

Shree Chanakya Education Society's
INDIRA COLLEGE OF PHARMACY

PUNE - 411033

SELF STUDY REPORT (SSR)



SUBMITTED TO •
National Assessment
And Accreditation
Council, Bangalore,
Nagarbhavi, Bangalore
-560072, Karnataka,
India

DATE: 30th MARCH, 2017

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SHREE CHANAKYA EDUCATION SOCIETY'S
INDIRA COLLEGE OF PHARMACY

Approved by All India Council for Technical Education, and Pharmacy Council of India, New Delhi,
 Recognized by Govt. of Maharashtra, Directorate of Technical Education (MS)
 Affiliated to Savitribai Phule Pune University ID No. PU/PN/Pharmacy/258/2006



Ref. No. SCES/ ICP/ 2016-2017/ 190

Date : 30th March, 2017

To,

The Director,
 National Assessment and Accreditation Council,
 P.O. Box No. 1075, Nagarbhavi,
 Bangalore -560072,
 Karnataka, India

Sub: Submission of Self Study Report of Shree Chanakya Education Society's
 Indira College of Pharmacy, Tathawade, Pune

Ref: Your Notification dated 6th March, 2017

Respected Sir,

We are pleased to submit the Self Study Report (SSR) and the online LOI, with five hard copies and one soft copy (CD), of Shree Chanakya Education Society's Indira College of Pharmacy, Tathawade, Pune to the National Assessment and Accreditation Council, Bangalore. The SSR has been prepared in accordance with the guidelines prescribed by NAAC for the Accreditation of Health Science (Pharmacy) Institutions.

Sr. No.	Particulars	Details
1.	Name of the Institute	Shree Chanakya Education Society's Indira College of Pharmacy, Tathawade, Pune
2.	Email ID	adminicp@indiraicp.edu.in ajoshi@indiraedu.com
3.	Website	www.indiraicp.edu.in

Kindly accept and acknowledge the same.

Thanking You,



Ajeer

PRINCIPAL
Indira College of Pharmacy
Tathawade, Pune - 411 037

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LIST OF ABBREVIATIONS

Sr. No.	Abbreviations	Full Form
1.	ABMH	Aditya Birla Memorial Hospital
2.	AC	Air Condition
3.	ADR	Adverse Drug Reactions
4.	AICTE	All India Council For Technical Education
5.	AISSMS	All India Shree Shivaji Memorial Society
6.	API	Active Pharmaceutical Ingredient
7.	APTI	Association of Pharmaceutical Teachers Of India
8.	APTICON	Association of Pharmaceutical Teachers Of India conference
9.	ARC	Academic Research Coordinator
10.	ATKT	Allowed to keep terms
11.	AV	Audio-Visuals
12.	B. Pharm	Bachelor of Pharmacy
13.	BA/BE	Bioavailability/ Bioequivalence
14.	BCUD	Board of college and university development
15.	BOD	Biological Oxygen Demand
16.	BOS	Board of Studies
17.	CADD	Computer-Aided Design and Drafting.
18.	CAP	Central Assessment Program
19.	CAP	Centralized Admission Process
20.	CARE Club	Counsel Advice Rise Evolve Club
21.	CBCS	Choice Based Credit System
22.	CBSS	Credit Based Semester System
23.	CCTV	Closed-Circuit Television
24.	CDA	Confidential and Non-Disclosure Agreement
25.	CDM	Clinical Data Management
26.	CDP	Career development program
27.	CEO	Chief Examination Officer
28.	CGMP	Current Good Manufacturing Practices
29.	CGPA	Cumulative Grade Point Average
30.	CMAT	Common Management Admission Test

Sr. No.	Abbreviations	Full Form
31.	COD	Chemical Oxygen Demand
32.	CPCSEA	Committee for the Purpose of Control And Supervision of Experiments on Animals
33.	CSIR	Council for Scientific and Industrial Research
34.	CV	Curriculum Vitae
35.	DNA	Deoxyribonucleic Acid
36.	DTE	Directorate Of Technical Education
37.	E-MAIL	Electronic Mail
38.	FDP	Faculty Development program
39.	FRA	Fees Regulating Authority
40.	GATE	Graduate Aptitude test engineering
41.	GC	Governing Council
42.	GC-MS	Gas chromatography-mass spectroscopy
43.	GLP	Good Laboratory Practices
44.	GMP	Good Manufacturing Practices
45.	GPAT	Graduates Pharmacy Aptitude Test
46.	GRE	Graduate Record Exam
47.	HD	High Definition
48.	HOD	Head of the Department
49.	HPLC	High Performance Liquid Chromatography
50.	HPTLC	High Performance Liquid Chromatography
51.	IAEC	Institutional Animal Ethics Committee
52.	ICC	Internal complaints committee
53.	ICCR	International Council of Cultural Relations
54.	ICCR	Indian Council for Cultural Relations
55.	ICH	International Council for Harmonization
56.	ICMR	Indian Council of Medical Research
57.	ICP	Indira College of Pharmacy
58.	ICT	Information and Communications Technology
59.	IELTS	International English Language Testing System

Sr. No.	Abbreviations	Full Form
60.	IGI	Indira Group Of Institutes
61.	IIPC	Industry Institute Partnership Cell
62.	IPA	Indian Pharmaceutical Association
63.	IPC	Indian Pharmaceutical Congress
64.	IPC	Indian Pharmaceutical Congress
65.	IPL	Indira Pharma League
66.	IPQC	In process Quality Control
67.	IPR	Intellectual Property Rights
68.	IPR cell	Intellectual Property Cell
69.	IPZ	Indira Pharma Zeal
70.	IQAC	Internal Quality Assurance Cell
71.	ISMI	Indira Sustainable Maharashtra Initiative
72.	ISO	International Organization for Standardization
73.	IT	Information Technology
74.	JNTU	Jawaharlal Nehru Technological University
75.	KV	Kilo Volts
76.	LAN	Local Area Network
77.	LCD	Liquid Crystal Display
78.	LMC	Local Managing Committee
79.	LPG	Liquified Petroleum Gas
80.	M. Pharm	Masters in Pharmacy
81.	MAT	Management Aptitude Test
82.	MCQ	Multiple Choice Question
83.	MHT-CET	Maharashtra Technical Common Entrance Test
84.	MoUs	Memorandum of Understanding
85.	MPCB	Maharashtra Pollution Control Board
86.	MS	Maharashtra State
87.	MSDS	Material safety data sheet
88.	MSEB	Maharashtra State Electricity Board
89.	NA	Not Applicable

Sr. No.	Abbreviations	Full Form
90.	NABH	National Accreditation Board for Hospitals
91.	NABL	National Accreditation Board for Testing And Calibration Laboratories
92.	NKN	National Knowledge Network
93.	NMR	Nuclear Magnetic Resonance
94.	NPW	National Pharmacy Week
95.	NSS	National Service Scheme
96.	OHP	Over Head Projector
97.	OMS	Outside Maharashtra State
98.	OPAC	Online Public Access Catalog
99.	OS	Operating System
100.	OTC	Over The Counter
101.	PBL	Problem Based Learning
102.	PC	Personal Computer
103.	PCI	Pharmacy Council of India
104.	PCMC	Pimpri - Chinchwad Municipal Corporation
105.	PG	Postgraduate
106.	Ph. D.	Doctor in Philosophy
107.	PI	Principal Investigator
108.	PIO	Person Of Indian Origin
109.	PMC	Pune municipal corporation
110.	PO	Purchase Order
111.	PUC	Pollution under control
112.	PV	Pharmacovigilance
113.	PXRD	Powder X-Ray Diffraction
114.	QA/QC.	Quality Assurance/Quality Control
115.	QBD	Quality By Design
116.	QMS	Quality Management System
117.	QSAR	Quantitative Structure–Activity Relationship
118.	R & D	Research and Development
119.	SAS	Statistical Analysis System

Sr. No.	Abbreviations	Full Form
120.	SC/ST	Scheduled class/ Scheduled Tribe
121.	SCES	Shree Chanakya Education Society
122.	SPPU	Savitribai Phule Pune University
123.	SSR	Self-Study Report
124.	SWO	Student Welfare Officer
125.	TCS	Tata Consultancy Services
126.	TOEFL	Test of English as Foreign Language
127.	UG	Undergraduate
128.	UGC	University Grant commission
129.	UPS	Uninterruptible Power Supply
130.	VOC	Volatile Organic Compound
131.	WHO	World Health Organization
132.	Wi-Fi	Wireless local Area Network
133.	WIPO	World Intellectual Property Organization

Preface

Shree Chanakya Education Society since its inception in 1994 has been working in the field of education under the visionary leadership of Chairperson, Dr. Tarita Shankar. The Society has been extremely active in promoting quality education in Management, Information & Technology, Commerce, Engineering, or Pharmacy. It is a matter of pride that the Indira Group of Institutes is today ranked amongst the top 50 educational institutes in India by the best known ranking agencies such as Business India, Outlook, The Week and Economic Times.

Shree Chanakya Education Society founded Indira College of Pharmacy- ICP, in 2006, with a zest for spreading quality healthcare education. True to our tradition, ICP with its motto of 'Redefining Pharmacy Education' has been dispensing cutting edge knowledge in this highly sophisticated field of drug development and delivery, promoting in the process, a crop of well qualified and socially conscious alumni who have already begun to make a mark in the Pharmaceutical field. The college itself has earned a number of laurels for its splendid achievement; in a short span of its existence, which we feel is a resounding acknowledgement of our contribution to the discipline of pharmacy.

The college is equipped with the best infrastructure and equipments, which has been instrumental in creating the awesome credibility in a very short span of its existence. We believe that having established our credentials in the field of education, we need to take our commitment forward through introducing newer and higher avenues for the budding pharmacy students. Our aim is to imbibe the good work practices as well as research culture and professional attitude amongst the student fraternity to make them able and competent to contribute to the ultimate goal of having healthy India. Since inception slowly but steadily we have grown and expanded from an Under graduate to a Post graduate institution and in this effort we have introduced the Masters in Pharmacy (M. Pharm) course with specialization in Pharmaceutics. ICP is the first institute under Savitribai Phule Pune University to start the Pharm. D course (Intake 30)

The courses at ICP are governed by the rules and regulations of AICTE, PCI, SPPU and DTE. As per the norms of SPPU we follow the semester system of examinations. Institute has state of art infrastructure, experienced and dedicated faculty, hi-tech instruments, well stacked library, CPCSEA approved Animal house etc. which is the backbone for maintaining high

academic standards. The ICP alumni are absorbed in different national and multi-national pharmaceutical companies, as well as many students have started their own business units and are promising entrepreneurs, thus contributing immensely to the healthcare system.

With a motto of ‘Redefining Pharmacy Education’ our onus is to maintain high academic standards and thus to be reckoned as an icon for academic excellence in pharmaceutical education and research, quality assurance is inevitable. Thus the institution, has initiated the self-study process as a groundwork for the accreditation evaluation visit by National Assessment and Accreditation Council (NAAC), with an objective of quality initiative, quality sustenance and quality enhancement.

It gives me immense pleasure in presenting the self-study report of SCES’s, Indira College of Pharmacy, Pune, Maharashtra, to National Assessment and Accreditation Council (NAAC) for institutional accreditation. I take this opportunity to congratulate and thank the Management, the members of Steering Committee and the Internal Quality Assurance Cell (IQAC) for sharing the responsibility of drafting the SSR. I also thank all administrative sections and academic departments of the institute for the best of their services to the stakeholders.

PRINCIPAL

SALIENT FEATURES

- ✚ **ICP is Permanently Affiliated to Savitribai Phule Pune University for B. Pharm. course and is registered under section 2f and 12B of UGC act.**
- ✚ The college is awarded as “*Best Institute in Pharmacy*” at the 9th Innovative Education Awards, held in Mumbai in the year 2017.
- ✚ ICP was awarded the college awarded as “*Top Performing Pharmacy Institute*” World Education Congress, Global awards 2016, Mumbai.
- ✚ The college was awarded as “*Best Educational Institute in Pharmacy*” at the World Education Congress 2012, Mumbai.
- ✚ The college was ranked amongst top 75 colleges in India. (Survey conducted by career 360 magazine).
- ✚ 3 Patents filed by ICP-IPR Cell:
- ✚ Received a total Research Grant to the tune of Rs. 25 Lakhs.
- ✚ More than 100 Research and review papers published in national and international journals.
- ✚ Well qualified, dedicated, research oriented faculty and staff.
- ✚ Classrooms with all advanced teaching aids.
- ✚ State of art laboratories with all modern and advanced equipment’s.
- ✚ Well stocked Library.
- ✚ Computer laboratory with internet facility.
- ✚ R&D Cell.
- ✚ Career guidance and Counseling center.
- ✚ Placement cell.
- ✚ Separate hostel accommodations for girls and boys.

NAAC Steering Committee

Sr. No.	Name of the Staff	Designation
1.	Dr. Anagha Joshi	Principal & Chairperson
2.	Dr. Dayanand Kannur	Coordinator
3.	Dr. Suvarna Ingale	Member
4.	Dr. Ramesh Katedeshmukh	Member
5.	Dr. Madhur Kulkarni	Member
6.	Mrs. Vishakha Hastak	Member
7.	Mrs. Manasi Wagdarikar	Member
8.	Mr. Amir Shaikh	Member
9.	Mrs. Pradnya Kulkarni	Member

CRITERION I: CURRICULAR ASPECTS

Shree Chanakya Education Society's Indira College of Pharmacy has articulated vision and mission in which goals and objectives of the program are summarized. The vision and mission of SCES' ICP is the right blend of vision of our parent body & suggestions received from the stake holders. ICP's moto is to 'Redefine Pharmacy Education' and thereby nurture good values amongst student community, developing professional Pharmacists and responsible citizens.

SCES's Indira College of Pharmacy is Self- financing Private institutions Permanently Affiliated to Savitribai Phule Pune University for B. Pharm. course and is registered under section 2f and 12B of UGC act.

We follow the curriculum designed by Savitribai Phule Pune University (SPPU). SPPU has set up the entire curriculum of all the academic programs and the board of studies has drafted the syllabus taking into consideration the technical competencies which is expected to be attained by the students of pharmacy. The same syllabus is followed by all affiliated institutes. As our institute is affiliated to SPPU, our goals and objectives are in tune with goals and objectives of the University and are therefore reflected in academic program of the institution.

The curriculum comprises of core pharmacy subjects like Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy as well as basic sciences and allied subjects. Attention is also given to the communication and soft skill development of students. The curriculum is distributed into theory and practical hours along with extension of practical teaching in the form of credits. The students are encouraged to participate in seminars, workshops, symposiums and conferences which make them abreast with current industrial scenario and research activity. The students are oriented towards optimum use of the knowledge resources.

The goals and objectives of the institute are reflected in the academic programs. The institute offers UG (B. Pharm.), PG (M. Pharm.) and Pharm. D. program, training the students to become skilled and ethical pharmacy professionals capable to acquire global competencies.

Our faculty members have contributed in the curriculum design and development,

which meets the community needs, professional skills and competencies, Research in thrust / emerging areas, Innovation and Employability.

Apart from the syllabus, institute provides various value added programs, considering the global and local requirements of Clinical Pharmacists and pharmacy practice to ensure better and accessible healthcare.

CRITERION II: TEACHING-LEARNING AND EVALUATION

The institute ensures complete transparency in the admission process. The institute follows centralized admission process based on Maharashtra Technical Common Entrance Test (MHT-CET) which is conducted by Directorate of Technical Education, Maharashtra State. The institute regularly reviews the demand analysis. Considering the increase in demand of clinical pharmacists and substantial increase in the Pharma aspirants; institute has introduced Pharm. D (Doctor of Pharmacy). We are the first private unaided institute under Savitribai Phule Pune University to start the Pharm D. program.

The institute organizes an Induction program every year at the inception of the academic year during which eminent personalities from the pharma industry give the students an insight of the Pharma sector. The institution takes keen efforts to inculcate moral and ethical values in the student community. Various guest lectures and programs are arranged to meet the objective. Faculty members also take special sessions to imbibe the ethical values in the student persona. The institution organizes various drives to create awareness as well as the guest sessions by eminent personalities. We conduct special drives to make students socially responsible. Various guest lectures are organized to sensitize the girl students regarding the role, value and significance of women in their life and to imbibe in them culture of gender equality and respecting women at homes, work places, domestic aids in particular and in the society generally.

The institute regularly plans, organizes and monitors the teaching-learning and evaluation schedules. The effectiveness of the process is ensured by timely review of the syllabus completion report and activity planner. The institution follows the student centric learning approach. The IIPC and the Guest Lecture seminar committee identify the thrust areas and the topics of prime importance and experts from the industry and academia are invited to deliberate and deliver knowledge to the student community. The students who have excellent academic performance are motivated to undertake various Exams (GPAT, MAT, and GATE). Students are motivated to undergo training in industry or undertake minor research projects to further sharpen their skills and build up the right attitude.

The institute has a full-fledged IT Department with well-maintained computer laboratory. The students have free access to the computer laboratory. The entire campus is Wi-Fi

enabled and the students make use of such resources to update their knowledge base. The library has a continued subscription to e journals and various databases. The library has a vast pool of e books and resource material, to which the students and faculty have free access, as and when required. We use various innovative methods of teaching learning. The institute has created a culture of instilling and nurturing creativity and scientific temperament amongst the learners.

ICP plans various activities to facilitate faculty development to help them meet with the changing requirements of the curriculum. The institution encourages diversity in faculty recruitment. We encourage and support faculty members from different departments to attend various national/international conferences/seminars to update their knowledge. Faculty members can avail on-duty leave to present their research work at various national/international conferences. The institute organizes various seminar/ conferences wherein reputed speakers from industry and academia are invited to interact with faculty to upgrade their knowledge in current developments in pharma world. Faculty members have published their research papers in various national and international journals of repute.

The institute follows a strict vigilance for conduct of examinations. The students are instructed not to indulge into any kind of malpractices during examinations. The College Examination Officer (CEO) is appointed by institute, who acts as the link between the institute and the SPPU examination section. All the attempts to prevent malpractices during internal and university examinations are made. The assessment of the impact of delivery of course/ course content is carried out by student feedback system as well as analysis of the results.

CRITERION III: RESEARCH CONSULTANCY AND EXTENSION

From the inception, ICP is very keen about development and inculcation of research acumen in students and faculty, for achieving this goal, ICP has designed very unique, versatile and a novel '**Research and Consultancy Policy**'. Further, ICP has various internal committees like R & D Cell, Industry Institute Partnership cell (IIPC) and Intellectual Property Rights (IPR Cell), having various roles such as; networking with industries for availing research projects, developing the industry-institute interaction; utilizing the expertise of the faculty for obtaining fundings, developing research interest and acumen in students by involving them in research activities; motivating faculty for writing various research proposals, facilitating the faculty to work on various innovative ideas, creating awareness in students and faculty about the Intellectual Property Rights and Guiding students and faculty for protecting their Intellectual Property Rights.

Some of the achievements are as follows:

- ICP has received research grant to the amount of Rs. 26.5 Lakhs from SPPU.
- R & D consultancy of the ICP has generated revenue of Rs. 5 Lakhs through various industry research projects.
- Till the date ICP has filed 4 patents and nearly 8 books have been published in the name of Faculty.
- Faculty and students have published number of research papers in various peer reviewed journals and national/international conferences.
- Every year ICP host Indira Pharma Zeal state/ national level conference wherein students and Faculty get exposure to various upcoming fields of pharma world.

ICP is also taking efforts in the holistic development of Faculty and students by motivating and facilitating them to participate in various social drives like, Pulse Polio and Swine Flu vaccination, awareness programs such as "Swacha Bharat Abhiyan" Cleanliness drive, Dengue, chicken Guinea and the like.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

SCES has provided state of art infrastructure and learning resources including physical and academic support facilities like administration area, classrooms, laboratories, library, conference room and auditorium; and provides services like healthcare, electricity, water and IT. Externally, premise is decorated with gardening and landscaping. Spacious roads with foot paths and street lights are adding good ambiance to campus. There is enough parking area available for students and staff.

All laboratories are well equipped with water, gas and electricity supply and safety features (fire extinguishers), which provides good atmosphere for academic and research work. The class rooms are provided with the facilities for conventional (black/glass board) as well as audiovisual teaching (LCD Projector). There are comfortable seating arrangements for the students in class rooms and auditorium. The college has well maintained animal house as per CPCSEA guidelines.

ICP has well maintained library with more than 10,000 books, journals, newspapers, E-books and E-journals, magazines. Library provides services like Inter-library Loan Service, OPACs, reprography, download and printouts.

IT facilities including LCD, OHP and internet access have been made available in classroom and seminar hall. In order to ensure campus safety, it has been secured with 24 x 7 security personnel and most of area has been covered under CCTV surveillance.

ICP has appointed specially designated officer for maintenance of all physical facilities. Also there is scheduled deep cleaning and frequent pest control. Cooler and Aqua filters have been installed to provide safe drinking water. Software is guarded by current Antivirus.

IGI has its own ambulance which is available 24X7 on call for any emergency, exclusively for students and staff.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

The institute is keen towards providing an environment where, student's academic and overall growth is achieved. The students overall and academic enhancement and its continuous monitoring is achieved through the constant support. This is channelized through the student's council, student's mentorship program – ICP life leadership program, personal enhancement schemes, training and placement cell, soft skill development.

The institute provides state of the art facilities for advanced teaching learning process. The library facilities, well equipped laboratories and digital classrooms support students learning process. The students are also provided with sports facilities and sophisticated gym for physical development.

The institute focuses on improvement of academically weaker students and provides extra attention for them. The students are also provided with special guidance and special leaves for competitive examinations.

The economically weaker students are allowed to pay the fees in instalments. Also the eligible students get the scholarships and free ships according to government norms. Students are also helped to obtain educational loan if required. Special support is provided to physically challenged students in the form of ramp and lift.

The institute has a dedicated training and placement cell to support the students with respect to career counselling, career path identification and arranging training sessions to grab various job opportunities. The students are provided with special career guidance sessions as per the requirement. The training and placement cell organizes on - campus and off-campus interviews for placement of students in reputed pharmaceutical companies. Students are also guided and motivated for entrepreneurship. Special trainings and workshops are arranged for student's personality development and improvement in communication skills.

The institute has registered alumni association which provides an active platform for alumni and current students interaction for career path identification. The distinguished alumni contribute in terms of guest lectures and information regarding upcoming job openings for the students.

The institute has Grievance Redressal Cell in place as required by AICTE regulation to

develop responsive and accountable attitude amongst all stake holders to maintain harmonious educational atmosphere. To ensure safety and welfare of female students and employees, the institute has active Internal Complaints Committee/ Women's cell. To provide a zero ragging culture to the students the institute has a well constituted Anti-ragging cell which constantly monitors students' activities.

The students are inspired to participate in various extracurricular and co-curricular activities organized at University, state and national levels. The girl students are especially motivated to participate in different activities. The institute also organizes annual cultural program where students can showcase their hidden talents. In-house sports events are also organized for the students' well-being. The institute has established National Service Scheme (NSS) unit to inculcate a sense of social responsibility in the students through various social awareness programs.

The institute provides all the required support for students overall development and facilitates continuous monitoring of their progress.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

ICP believes in holistic development of the students, so as the aspiring students become inspiring pharmacists of future. So, the vision and mission of SCES's ICP is the right blend of vision of our parent body & suggestions received from the stake holders. The vision and mission of ICP includes the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, education institution's traditions and value orientations.

The Management of ICP is keen on e- Governance strategies. It believes in System development and continuous improvement. Timely interaction with stakeholders is key aspect in growth of ICP. The major stakeholders of the institute are our students, their parents, the staff (both teaching and non-teaching), management, the affiliating university and the society at large.

The top leadership position of the institute i.e. Principal, is filled permanently since inception till date. The current Principal is having Permanent teacher's approval and PhD, PG teacher recognition from SPPU. The procedure as per SPPU norms is on to recruit Teaching Faculty. The college has formed all mandatory committees along with Governing Council and Local Managing Committee as per norms. Various Working Committees pertaining to the smooth functioning of the college are also formed at institute level.

The institute regularly undertakes various programs for citizens in consonance with the national health programs. ICP since inception has strived hard to achieve and excel in the academic as well as research portfolios. The institute offers training to the students to become skilled and professional Pharmacists capable to acquire global competencies. ICP is committed for continuous development of its facilities and academic administration. The institute has a sound mechanism based on suggestions and feedback for the developmental works.

The institution has its own website i.e. www.indiraicp.edu.in. The website is regularly updated. ICP strives for well-being of employees. Few Staff welfare majors are undertaken by ICP to get the teaching and non- teaching staff get benefitted from these schemes.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

We at ICP try our level best to keep the campus as well as the surrounding environment clean, green and pollution free. We have insisted on carbon neutrality by cultivating medicinal plants and planting trees in our campus, adapting paperless policy and by strictly not burning garbage. Natural resources are most precious to us and we conserve them by rain water harvesting, running sewage treatment plant and recycling the water for gardening, using solar panels for heating water. Overall waste management is given topmost priority by segregating wet and dry garbage, disposing chemicals carefully as per MSDS, and following preset protocols for e-waste management. Green audit has been successfully performed by our institute.

Use of You tube videos, factory visits, environmental tours are the innovative ways which we follow to make our students clearly understand the theoretical concepts and learn practical aspects of Pharma field. IPR Cell and IIPC constantly motivate our research students to take up innovative research and projects conducive for commercialization and industrial application. Motivating students to compose and perform songs and street plays on the infectious diseases and epidemics like dengue, H1N1 infection, volunteering in pulse polio camps is the innovative way that our college has adapted to enhance the community outreach and service to the society.

“Freedom to operate for the faculty members” is the best practice followed by our institute wherein we give liberty to our faculty to work on their novel ideas in their own way which we believe brings out best in them. We have crafted special leave policy for them wherein they can avail leave for maximum 18 months, PhD leave, special leave, on duty leave in order to pursue research work or special assignments or attending seminars/ workshops/training program to abreast them with latest in the world of pharma and technology.

Holistic development of students is the 2nd best practice followed by our college. We not only focus on their academic and scholastic progress through various effective and innovative teaching learning practices but also equally focus on their overall personality building through soft skills, communication skills and life skill development trainings. We nurture them in a way that they become socially responsible and sensible citizens of this country.

SECTION B - PREPARATION OF SELF-STUDY REPORT

1. Name and Address of the Institution:

Name:	Shree Chanakya Education Society's Indira College of Pharmacy, Pune	
Address:	"Niramaya", S.No.89/2A, New Pune Mumbai Highway, Tathawade, Pune, Maharashtra 411033	
City: Pune	Pin: 411033	State: Maharashtra
Website:	www.indiraicp.edu.in	

2. For communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Vice Chancellor	NOT APPLICABLE				
Pro Vice Chancellor (s)	NOT APPLICABLE				
Registrar	NOT APPLICABLE				
Principal	Dr. Anagha Joshi	O: 020-66759601	9326003747	020-66759601	ajoshi@indiraedu.com
Vice Principal Steering Committee / IQAC Coordinator	Dr. Dayanand Kannur	O: 020-66759603	9011064343	020-66759601	dayanand.kannur@indiraicp.edu.in

3. Status of the Institution: The institute is affiliated to Savitribai Phule Pune

University

Autonomous College	
Constituent College	
Affiliated College	√
State University	
State Private University	
Central University	
University under Section 3 of UGC (A Deemed to be University)	
Institution of National Importance	
Any other (specify)	

4. Type of University :

Unitary	
Affiliating	√

5. Type of college :

Ayurveda	
Dentistry	
Homoeopathy	
Medicine	
Nursing	
Pharmacy	√
Physiotherapy	
Siddha	
Unani	
Yoga and Naturopathy	
Others (specify and provide details)	

6. Sources of funding

Central Government	
State Government	
Grant-in-aid	
Self -financing	
Trust	√
Corporate	
Any other (Pl. specify)	

7. a. Date of establishment of the institution: 30/05/2006 (First AICTE Approval)

Sr. No.	Course	Year of Establishment (Academic Year)
1.	B. Pharm.	2006- 2007
2.	M. Pharm. - Pharmaceutics	2011- 2012
3.	Pharm. D.	2016- 2017

b. In the case of university, prior to the establishment of the university, was it a/an

NOT APPLICABLE

- i. Autonomous College Yes No
- i. Constituent College Yes No
- i. Affiliated College Yes No
- i. PG Centre Yes No
- i. De novo institution Yes No
- i. Any other (specify) Yes No

c. In the case of college, university to which it is affiliated-

Savitribai Phule Pune University

8. State the vision and the mission of the institution

The Vision and Mission Statements of ICP are as follows-

VISION

“To be a center of excellence by redefining Pharmacy Education and nurture Globally Competent Professional Pharmacists.”

OUR MISSION

- To train and develop students into Professional Pharmacist so as to fulfil the Industrial and Community needs.
- To shoulder the responsibility of reducing the suffering of mankind by providing Pharmaceutical care.

9. a. Details of UGC recognition / subsequent recognition (if applicable):

Under Section	Date, Month and Year (dd/mm/yyyy)	Remarks (If any)
i. 2f*	F. No. 8-337/2016 (CPP-UC) dated 28/09/2016	
ii. 12B*	F. No. 8-337/2016 (CPP-UC) dated 28/09/2016	The college is declared fit to receive Central Assistance in terms of rules framed under Section 12 (B) of the UGC Act, 1956. However, the college is self-financing and unaided, would be eligible to receive UGC’s support only in respect of teachers and student related schemes as per the decision of the Commission dated 8 th July, 2011.
iii. 3*	-	-

* Enclose the certificate of recognition, if applicable

b. Details of recognition/approval by statutory/regulatory bodies other than UGC MCI, DCI, PCI, INC, RCI, AYUSH, AICTE, etc.

Under Section/clause	Day, Month and Year (dd/mm/yyyy)	Validity	Program/institution	Remarks
i. AICTE	30-May-2006	A.Y.2006-07	B. Pharm.-First	F. No. 06/07/MS/PHARM/2006/005
	25-Apr-2016	A.Y.2016-17	B. Pharm.-Latest	F. No. Western/1-2809665168/2016/EOA
	05-Sep-2011	A.Y.2011-12	M. Pharm.-First	F. No. Western/1-430210461/2011/EOA
	25-Apr-2016	A.Y.2016-17	M. Pharm.-Latest	F. No. Western/1-2809665168/2016/EOA
ii. PCI	27-April - 2007	A.Y.2006-07	B. Pharm.-First	Ref. No. 32-1(28)/2007-PCI-418
	10-June - 2016	A.Y.2018-19	B. Pharm.-Latest	Decision of 99 th CC
	7- Oct- 2016	A.Y.2016-17	M. Pharm.-First & Latest	Decision of 274 th EC
	19- July-2016	A.Y.2016-17	Pharm. D.-First & Latest	Ref. No. 50-438/2015-PCI/18964-69
iii. SPPU	13-Jan- 2006	A.Y. 2006-07	B. Pharm.-First	CA/8286
	13- Feb- 2016	Permanent Affiliation	B. Pharm.-Latest	CA/207
	25-Oct-2012	A.Y.2011-12	M. Pharm.-First	CA/3207
	13-June- 2016	A.Y.2016-17	M. Pharm.-Latest	CA/1513
	21- March- 2017	A.Y.2016-17	Pharm. D.-Latest	CA/238
iv. DTE	21- July-2006	One Time	B. Pharm.	2/NGC/Approval/ 2006/634
	9-March-2012	One Time	M. Pharm.	2/NGC/Pharmacy/Approval/2011/336
	12- Sep- 2016	One Time	Pharm. D.	2/NGC/Niyat Thev/2016/2053
v. State Government	14-June-2006	One Time	B. Pharm.	PEC (2006)/(289/06)/TE-1
	30-July- 2011	One Time	M. Pharm.	CTC-2011/(214/2011)/ TE-4
	11-Aug- 2016	One Time	Pharm. D.	TEM-2016/ Pra. Kra. 414/TE-4

10. Has the institution been recognized for its outstanding performance by any national / international agency such as DSIR, DBT, ICMR, UGC-SAP, AYUSH, WHO, UNESCO, etc.?

Yes No

If yes, name of the agency : NOT APPLICABLE

Date of recognition : NOT APPLICABLE

Nature of recognition : NOT APPLICABLE

11. Does the institution have off-campus centers?

Yes No

If yes, date of establishment : NOT APPLICABLE

Date of recognition by relevant statutory body/IES : NOT APPLICABLE

12. Does the institution have off-shore campuses?

Yes No

If yes, date of establishment : NOT APPLICABLE

Date of recognition by relevant statutory body/IES : NOT APPLICABLE

13. Location of the campus and area:

	Location *	Campus area in acres	Built up area in sq. mts.
Main campus area	Urban	2.5 Acres	4,543.01 Sq. Mt.
Other campuses in the country	-	-	-
Campuses abroad	-	-	-

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, any other (specify))

If the institution has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

14. Number of affiliated / constituent institutions in the university- NOT APPLICABLE

Types of institutions	Total	Permanent	Temporary
Ayurveda	-	-	-
Dentistry	-	-	-
Homoeopathy	-	-	-
Medicine	-	-	-
Nursing	-	-	-
Pharmacy	-	-	-
Physiotherapy	-	-	-
Siddha	-	-	-
Unani	-	-	-
Yoga and Naturopathy	-	-	-
Others (specify and provide details)	-	-	-

15. Does the University Act provide for conferment of autonomy to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University.-**NOT APPLICABLE**

Yes No Number

16. Furnish the following information: -

NOT APPLICABLE

Particulars	Number
a. Accredited colleges by any professional body/ies	
b. Accredited course / department by any professional body/ies	
c. Affiliated colleges	
d. Autonomous colleges	
e. Colleges with Postgraduate Departments	
f. Colleges with Research Departments	
g. Constituent colleges	
h. University Departments Undergraduate Post graduate Research centers on the campus and on other campuses	
i. University recognized Research Institutes/Centers	

17. Does the institution conform to the specification of Degrees as enlisted by the UGC?













Yes No

If the institution uses any other nomenclatures, specify.

18. Academic programs offered and student enrolment: (Enclose the list of academic programs offered and approval / recognition details issued by the statutory body governing the program)

Programs	No. of Programs	Number of students enrolled
UG	01 (B. Pharm).	259 (2016-2017)
PG	01 M. Pharm (Pharmaceutics)	023 (2016-2017)
DNB	-	-
Integrated Masters	-	-
Integrated Ph.D.	-	-
Pharm. D.	01	027 (2016-2017)
M.Phil.	-	-
Ph.D.	-	-
Certificate	-	-
Diploma	-	-
PG Diploma	-	-
D.M. / M.Ch.	-	-
Sub / Super specialty fellowship	-	-
Any other (specify)	-	-
Total	03	309 (2016-2017)

19. Provide information on the following general facilities (campus-wise):

 Auditorium/seminar complex with infrastructural facilities	YES	<input checked="" type="checkbox"/>	NO	
 Sports facilities	Outdoor	<input checked="" type="checkbox"/>		
	Indoor	<input checked="" type="checkbox"/>		
 Residential facilities for faculty and non-teaching staff				<input checked="" type="checkbox"/>
 Cafeteria		<input checked="" type="checkbox"/>		
 Health center (Not Applicable)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
 First aid facility		<input checked="" type="checkbox"/>		
 Outpatient facility (Not Applicable)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
 Inpatient facility (Not Applicable)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
 Ambulance facility		<input checked="" type="checkbox"/>		
 Emergency care facility (Not Applicable)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
 Health center staff (Not Applicable)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
 Qualified Doctor (Not Applicable)	Full Time	<input checked="" type="checkbox"/>	Part Time	<input checked="" type="checkbox"/>

Qualified Nurse (Not Applicable)	Full Time	<input checked="" type="checkbox"/>	Part Time	<input checked="" type="checkbox"/>
Facilities like banking, post office, book shops, etc		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Transport facilities to cater to the needs of the students and staff		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Facilities for persons with disabilities		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Animal house		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Incinerator for laboratories (Not Applicable)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Power house (Not Applicable)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Fire safety measures		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Waste management facility, particularly bio-hazardous waste (Facilities for Bio- Hazardous is NOT APPLICABLE)		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Potable water and water treatment		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Any other facility (specify).		<input type="checkbox"/>		<input checked="" type="checkbox"/>

20. Working days / teaching days during the past four academic years- NOT APPLICABLE

	Working days				Teaching days			
	2013-2014	2014-2015	2015-2016	2016-2017	2013-2014	2014-2015	2015-2016	2016-2017
Number stipulated by the Regulatory Authority	180	180	180	180	180	180	180	180
Number by the Institution	208	213	209	217	187	192	188	189

(‘Teaching days’ means days on which classes were held. Examination days are not included.)

21. Has the institution been reviewed or audited by any regulatory authority? If so, furnish copy of the report and action taken there upon (last four years).

The institute is regularly reviewed and audited by all regulatory authorities.

Academic Year 2016-2017

Sr. No	Regulatory Body	B. Pharm.		M. Pharm		Pharm. D.	
		Inspection Date	Remark	Inspection Date	Remark	Inspection Date	Remark
1.	SPPU	No Inspection.	Permanently Affiliated	06/04/2016	Compliance fulfilled	08/09/2016	Compliance fulfilled
2.	AICTE	No Inspection. But Annual EOA procedure completed. NIL Deficiency report was generated		No Inspection. But Annual EOA procedure completed. NIL Deficiency report was generated		Not Applicable	
3.	DTE	No Inspection. But Annual Merit List verification procedure completed		No Inspection. But Annual Merit List verification procedure completed		04/05/2016	No deficiency. Annual Merit List verification procedure completed
4.	PCI	25 & 26/03/2016	No Shortcomings. Approval upto A. Y. 2018-2019	07 & 08/10/2016	No Shortcomings. Approval upto A. Y. 2016-2017	13 to 15/04/2016	No Shortcomings. Approval upto A. Y. 2016-2017

Academic Year 2015-2016

Sr. No.	Regulatory Body	B. Pharm.		M. Pharm	
		Inspection Date	Remark	Inspection Date	Remark
1.	SPPU	14/09/2015	Permanently Affiliated from 2015-2016	28/02/2015	Compliance fulfilled
2.	AICTE	No Inspection. But Annual EOA procedure completed. NIL Deficiency report was generated		No Inspection. But Annual EOA procedure completed. NIL Deficiency report was generated	
3.	DTE	A surprise inspection was held by DTE on 22/06/2015 to verify the documents and facilities of the institute. No deficiencies were noted.			
4.	PCI	Last inspection was held in Academic Year 2013-2014. Three Years' approval was granted.		No inspection.	

Academic Year 2014-2015

Sr. No.	Regulatory Body	B. Pharm.		M. Pharm	
		Inspection Date	Remark	Inspection Date	Remark
1.	SPPU	26/03/2014	Compliance fulfilled	26/03/2014	Compliance fulfilled
2.	AICTE	No Inspection. But Annual EOA procedure completed. NIL Deficiency report was generated		No Inspection. But Annual EOA procedure completed. NIL Deficiency report was generated	
3.	DTE	No Inspection. But Annual Merit List verification procedure completed		No Inspection. But Annual Merit List verification procedure completed	
4.	PCI	Last inspection was held in Academic Year 2013-2014. Three Years' approval was granted.		No inspection.	

Academic Year 2013-2014

Sr. No.	Regulatory Body	B. Pharm.		M. Pharm	
		Inspection Date	Remark	Inspection Date	Remark
1.	SPPU	26/03/2014	Compliance fulfilled	26/03/2014	Compliance fulfilled
2.	AICTE	No Inspection. But Annual EOA procedure completed. NIL Deficiency report was generated		No Inspection. But Annual EOA procedure completed. NIL Deficiency report was generated	
3.	DTE	No Inspection. But Annual Merit List verification procedure completed		No Inspection. But Annual Merit List verification procedure completed	
4.	PCI	June, 2014	Compliance fulfilled. Extension upto A.Y. 2015-2016	No inspection.	

22. Number of positions in the institution

Positions	Teaching faculty						Non-teaching staff	Technical staff
	Professor	Associate Professor/Reader	Assistant Professor	Lecturer	Tutor / Clinical Instructor	Senior Resident		
Sanctioned by the Government	05	05	12	-	-	-	01	-
Recruited	03	02	06	-	-	-	-	-
Yet to recruit	02	03	06	-	-	-	01	-
Sanctioned by the management/ society or other authorized body	02 (Vacant)	03 (Vacant)	06 (Vacant) +02 New Course	-	-	-	12	13 (6 Lab Asst. 6 Lab Atte. 1 Comp. Lab Atte.)
Recruited	-	01	11	-	-	-	12	13
Yet to recruit	02	02	-	-	-	-	-	-
Stipulated by regulatory authority	01	05	14	-	-	-	-	-
Cadre Ratio	1:15	1:15	1:15	-	-	-	-	-
Recruited	03	03 (2 SPPU, 1 MGMT)	17 (6 SPPU+ 11 MGMT)	-	-	-	-	-
Yet to recruit	01	02	-	-	-	-	-	-
Number of persons working on contract basis	-	-	-	-	-	-	-	01

23. Qualifications of the teaching staff

Highest Qualification	Profesor		Associate Professor/ Reader		Assistant Professor		Lecturer		Tutor / Clinical Instructor		Senior Resident	
	M	F	M	F	M	F	M	F	M	F	M	F
Permanent teachers	M	F	M	F	M	F	M	F	M	F	M	F
D.M./ M.Ch.	-	-	-	-	-	-	-	-	-	-	-	-
Ph.D./ D.Sc. /D. Litt/ M.D./ M.S.	02	01	01	01	-	-	-	-	-	-	-	-
PG (M. Pharm./ Pharm. D, DNB, M.Sc., MDS., MPT, MPH, MHA)	-	-	-	-	03	03	-	-	-	-	-	-
AB/FRCS/FRCP/MRCP/ MRCS/FDSRCS	-	-	-	-	-	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-	-	-	-	-	-
UG	-	-	-	-	-	-	-	-	-	-	-	-

Highest Qualification	Profesor		Associate Professor/ Reader		Assistant Professor		Lecturer		Tutor / Clinical Instructor		Senior Resident	
	M	F	M	F	M	F	M	F	M	F	M	F
Temporary teachers (AD-Hoc)	M	F	M	F	M	F	M	F	M	F	M	F
D.M./ M.Ch.	-	-	-	-	-	-	-	-	-	-	-	-
Ph.D./ D.Sc. /D. Litt/ M.D./ M.S.	-	-	-	01	-	-	-	-	-	-	-	-
PG (M. Pharm./ Pharm. D, DNB, M.Sc., MDS., MPT, MPH, MHA)	-	-	-	-	02	09	-	-	-	-	-	-
AB/FRCS/FRCP/MRCP/ MRCS/FDSRCS	-	-	-	-	-	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-	-	-	-	-	-
UG	-	-	-	-	-	-	-	-	-	-	-	-

Highest Qualification	NO TEACHER ON CONTRACTUAL BASIS											
Contractual teachers												
D.M./ M.Ch.	-	-	-	-	-	-	-	-	-	-	-	-
Ph.D./ D.Sc. /D. Litt/ M.D./ M.S.	-	-	-	-	-	-	-	-	-	-	-	-
PG (M. Pharm./ Pharm. D, DNB, M.Sc., MDS., MPT, MPH, MHA)	-	-	-	-	-	-	-	-	-	-	-	-
AB/FRCS/FRCP/MRCP/MRCS/FDSRCS	-	-	-	-	-	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-	-	-	-	-	-
UG	-	-	-	-	-	-	-	-	-	-	-	-

Highest Qualification	NO TEACHER ON PART-TIME BASIS											
Part Time teachers												
D.M./ M.Ch.	-	-	-	-	-	-	-	-	-	-	-	-
Ph.D./ D.Sc. /D. Litt/ M.D./ M.S.	-	-	-	-	-	-	-	-	-	-	-	-
PG (M. Pharm./ Pharm. D, DNB, M.Sc., MDS., MPT, MPH, MHA)	-	-	-	-	-	-	-	-	-	-	-	-
AB/FRCS/FRCP/MRCP/MRCS/FDSRCS	-	-	-	-	-	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-	-	-	-	-	-
UG	-	-	-	-	-	-	-	-	-	-	-	-

24. Emeritus, Adjunct and Visiting Professors.

	Emeritus		Adjunct		Visiting	
	M	F	M	F	M	F
Number	-	-	-	-	01	01

25. Distinguished Chairs instituted: NOT APPLICABLE

26. Hostel

🚩 Boys' hostel

- I. Number of hostels - TWO
- II. Number of inmates - Total 100 (ICP-10)
- III. Facilities -
 - Annual Health checkup
 - Medical Facility – First aid and hospital admission facility
 - 24 hours Ambulance service
 - Potable water with water coolers
 - Daily Cleaning
 - Security guards and warden for 24 hours
 - CCTV cameras
 - Study tables
 - Food
 - Common TV
 - Ironing
 - Hot Water
 - Washing Machine

 **Girl's hostel**

- I. Number of hostels - TWO
- II. Number of inmates - Total 240 (ICP-35)
- III. Facilities -
 - Annual Health checkup
 - Medical Facility – First aid and hospital admission facility
 - 24 hours Ambulance service
 - Potable water with water coolers
 - Daily Cleaning
 - Security guards and warden for 24 hours
 - CCTV cameras
 - Sanitary Napkin vending machine
 - Study tables
 - Food
 - Common TV
 - Ironing
 - Hot Water
 - Washing Machine

 **Overseas student's hostel**

- I. Number of hostels - No separate hostel for overseas students.
Few seats are reserved for overseas students in both Boys and Girl's hostels.
- II. Number of inmates - 20 for ICP
- III. Facilities -
 - Annual Health checkup
 - Medical Facility – First aid and hospital admission facility
 - 24 hours Ambulance service
 - Potable water with water coolers
 - Daily Cleaning

- Security guards and warden for 24 hours
- CCTV cameras
- Sanitary Napkin vending machine
- Study tables
- Food
- Common TV
- Ironing
- Hot Water
- Washing Machine

✚ Hostel for interns - NOT APPLICABLE

- I. Number of hostels - NIL
- II. Number of inmates - NIL
- III. Facilities -

✚ PG Hostel - NOT APPLICABLE

- I. Number of hostels - NIL
- II. Number of inmates - NIL
- III. Facilities -

27. Students enrolled in the institution during the current academic year, with the following details-

Students	UG		PG						Integrated Masters		M.Phil.		Ph.D.		Integrated Ph.D.	
			PG		DM		MCH									
	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
From the state where the institution	B. Pharm.		08	05	-	-	-	-	-	-	-	-	-	-	-	
	18	42														
	Pharm. D.															
	05	22														

is located																
From other states	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NRI students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Foreign students	05	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	28	65	08	05	-	-	-	-	-	-	-	-	-	-	-	-

*M-Male *F-Female

28. Health Professional Education Unit / Cell/ Department- NOT APPLICABLE

✚ **Year of establishment** :

✚ **Number of continuing education programs conducted (with duration)-**

- Induction
- Orientation
- Refresher
- Post Graduate

29. Does the university offer Distance Education Programs (DEP)?

Yes No

If yes, indicate the number of programs offered.

Are they recognized by the Distance Education Council?

30. Is the institution applying for Accreditation or Re-Assessment?

Accreditation Re-Assessment

Cycle 1 Cycle 2 Cycle 3 Cycle 4

31. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4) - NOT APPLICABLE

Cycle 4: (dd/mm/yyyy), Accreditation outcome/Result

Cycle 3: (dd/mm/yyyy), Accreditation outcome/Result

Cycle 2: (dd/mm/yyyy), Accreditation outcome/Result

Cycle 1: (dd/mm/yyyy), Accreditation outcome/Result

* Enclose copy of accreditation certificate(s) and peer team report(s)

32. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university.

NOT APPLICABLE

33. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

NOT APPLICABLE

34. Any other relevant data, the institution would like to include (not exceeding one page).

CRITERION I: CURRICULAR ASPECTS**1.1 CURRICULUM PLANNING, DESIGN AND DEVELOPMENT****1.1.1 Does the institution have clearly stated goals and objectives for its educational program?**

Shree Chanakya Education Society's Indira College of Pharmacy (SCES's ICP) was established in 2006 under the auspices of Shree Chanakya Education Society (SCES) and it has created its own forte in the educational arena around Pune in a very small span and is branded as a premier educational institute. The institute has articulated mission and vision in which goals and objectives of the program are summarized.

Mission and vision of the institution:**Our Vision**

“To be a center of excellence by ‘Redefining Pharmacy Education’ and nurture Globally Competent Professional Pharmacists.”

Our Mission

- To train and develop students into Professional Pharmacists so as to fulfill the Industrial and Community needs.
- To responsibly work towards reducing the suffering of mankind by providing ably trained pharmacists & pharmaceutical care.

Short term goals:

1. To attain consistently high educational standards.
2. Continuously work towards upgrading the standards of pedagogy through encouragement of academically useful research by the faculty.
3. To train students at the graduate level into professionals to fulfill the requirements of the industry.
4. To inculcate entrepreneurial abilities in the students.
5. Cultivate close ties with the industry to pass the benefits of their knowledge and experience to the research work of the institute.
6. To update faculty knowledge by organizing faculty development programs, sending them to various quality improvement programs and also providing them with industrial exposure.
7. To expand the scope of industry-institute interaction to design certificate programs, impart training and improve placements.
8. To provide exposure to global knowledge via e-learning resources.

Long term goals:

1. To be center of academic excellence.
2. To inculcate the research culture and strengthen it with the research grants from various funding agencies.
3. Develop the college as a center for socially useful research in the area of Pharmacy to enable us to do our bit towards the society.
4. To channelize the innovative research ideas of students and faculty to generate IPRs and commercially viable products.
5. To further strengthen industry institute interaction for collaborative research, consultancy and competency of students.
6. To ensure quality education through 'In Process Quality Control' (IPQC).

Objectives:

1. To ensure efficient teaching methods and consistent evaluation process.
2. To shape pharmacy graduates equipped with knowledge and skill to cater to the health-care needs of the society.
3. To provide a conducive academic environment to the students and to inculcate disciplined and methodical work culture among the students.
4. To create state of art facilities to upgrade the technical skills of the students.
5. To provide conducive environment for holistic development of students.
6. To organize and assist in the health-care programs undertaken by professional organizations and Government agencies to fulfill society's needs.
7. To inculcate among the students the knowledge and technical skills to carry out the synthesis and analysis of drugs as well as develop, manufacture, market pharmaceuticals and cosmetics.
8. To develop amongst the student the knowledge and technical skills of biopharmaceutical aspects and bio assays as well as screening of drugs for pharmacological actions.
9. To develop amongst the students the technical skills and knowledge for identification, standardization of drugs obtained from natural origin, herbal drugs as well as development of herbal formulations and cosmetics.
10. To train the students and develop their technical skill for handling sophisticated analytical instruments.

11. To create a talent pool by involving students in research projects and to make students undertake research projects under the guidance of faculty.
12. To groom, train the students and develop their overall personality to meet the needs of the corporate culture.
13. To establish industry institute partnership cell to bridge the gap between industrial requirements and syllabi.
14. To motivate the students to be new age entrepreneurs.
15. To motivate and train the students to undertake the higher education in India and abroad.

1.1.2 How are the institutional goals and objectives reflected in the academic programs of the institution?

Savitribai Phule Pune University (SPPU) has set up the entire curriculum of all the academic programs and the board of studies has drafted the syllabus taking into consideration the technical competencies which is expected to be attained by the students of pharmacy. The same syllabus is followed by all affiliated institutes. As our institute is affiliated to SPPU, our goals and objectives are in tune with goals and objectives of the University and are therefore reflected in academic program of the institution. The curriculum comprises of core pharmacy subjects like Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy as well as basic sciences and allied subjects. Attention is also given to the communication and soft skill development of students.

The curriculum is distributed into theory and practical hours along with extension of practical teaching in the form of credits. The students are encouraged to participate in seminars, workshops, symposiums and conferences which make them abreast with current industrial scenario and research activity. The students are oriented towards optimum use of the knowledge resources.

The goals and objectives of the institute are reflected in the academic programs. The institute offers UG (B. Pharm.), PG (M. Pharm.) and Pharm. D. program, training the students to become skilled and ethical pharmacy professionals capable to acquire global competencies.

- ✚ Apart from the core pharmacy subjects i.e. Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy, the course content prescribed by

SPPU also includes basic science subjects like Human Anatomy Physiology, Organic Chemistry, Inorganic Chemistry, Physical Chemistry and allied subjects like drug regulatory affairs, research methodology, communication and soft skill development, pharmaceutical business and disaster management etc. giving students exposure to various facets of pharmaceutical sciences.

- ✚ Research is an integral component of curriculum; the research project/work is mandatory for students of M. Pharm. giving them the opportunity to upgrade their professional and technical skills. In addition to these, the students are also encouraged to participate in seminars, workshops and conferences giving them the opportunity to learn about emerging trends in the field of pharmaceutical research and new avenues.
- ✚ The students are exposed to community based services through activities conducted under National Pharmacy Week, NSS and social drives.
- ✚ The Pharm. D. program involves the study of the core pharmacy subjects and orienting the students towards patient care, monitoring prescriptions and patient counseling including, life style modification, identifying the potential drug interactions, adverse drug reactions, rational drug use.

1.1.3 Does the institution follow a systematic process in the design, development and revision of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

- ✚ SCES's ICP is affiliated to SPPU and follows the curriculum prescribed by SPPU in terms of type of course, pattern, duration of semester, aim & objectives of the course, eligibility criteria, scheme of examination, scaling down the marks, Allowed to Keep Terms (ATKT) rules, Passing criteria for each subject head, Letter Grades and Grade Points, Award of the degree and Grade and pattern for University theory examination question paper.
- ✚ The university reviews and restructures the syllabus at regular intervals as per the feedback of stakeholders in order to make students industry ready. Presently we are following the 2015 Credit pattern; earlier to it the syllabus was revised in 2013. The University has implemented the Semester pattern for the B. Pharm. course from 2013 and Credit pattern from 2015.
- ✚ The SPPU has implemented the Credit pattern from 2013 for M. Pharm.

- ✚ ICP is the first college under SPPU to get permission from PCI to introduce Pharm. D. program (intake 30). Annual pattern is followed for the Pharm. D. curriculum.
- ✚ SPPU conducts the curriculum development workshops where faculty members participate to give their suggestion on curriculum. Based on the critical evaluation of suggestion by all the stake holders, members of Board of Studies design the curriculum of each subject, followed by the implementation of curriculum through SPPU. Many faculty members from our institute have actively participated in such curriculum development workshops.
- ✚ SCES's ICP has played important role in the restructuring and updation of the SPPU syllabus as follows :

Dr. Anagha Joshi, Principal, ICP, being a member of Indian Pharmaceutical Association (IPA) Pune Branch was instrumental in forwarding feedback from Cognizant and TCS regarding inclusion of data management and pharmacovigilance topics in syllabus. Accordingly syllabus revision is under consideration. She, also being member of CPCSEA, has insisted CPCSEA to revise the blanket ban on animal experimentation which has been accepted and taken forward. A new chapter on Animal Handling and Welfare has been drafted by CPCSEA and forwarded to Pharmacy Council of India (PCI) for implementation which will be included in our syllabus.

Dr. M.M. Ghaisas, one of the faculty members, being member of the Board of Studies (BOS) in Pharmacology and the member of the Faculty of Pharmaceutical Sciences of SPPU is actively involved in curriculum revision.

The faculty members of ICP attend the various syllabus orientation meetings and actively interact with the members of BOS.

Table No. 1.1: Faculty involvement in Curriculum design and development

Sr. No.	Name of the Faculty	Subject	Contribution in the Syllabus revision
1	Dr. Dayanand Kannur	a) Pharmacognosy, b) Pharmaceutical Biotechnology c) Pharmaceutical Business Management and Disaster Management	Attended the Meeting with BOS Chairman at M.M. College of Pharmacy, Pune. Attended the Meeting with BOS Chairman at AISSMS College of Pharmacy, Pune.

2	Mrs. Prerana Dongre	Pharmacognosy	Attended the Meeting with BOS Chairman at M.M. College of Pharmacy, Pune.
3	Dr. Ramesh Katedeshmukh	Pharmaceutics	Attended the Meeting with BOS Chairman at AISSMS College of Pharmacy, Pune.
4	Mrs. Vishakha Hastak	Pharmaceutics	Attended the Meeting with BOS Chairman at AISSMS College of Pharmacy, Pune.
5	Mr. Yogesh Pawar	Pharmaceutics	Attended the Meeting with BOS Chairman at AISSMS College of Pharmacy, Pune.
6	Mr. Amir Shaikh	Pharmaceutics	Attended the Meeting with BOS Chairman at AISSMS College of Pharmacy, Pune.
7	Dr. Anagha Joshi	Pharmaceutical Chemistry	Attended the Meeting with BOS Chairman at Maharashtra Institute of Pharmacy, Pune.
8	Mrs. Archana Karnik	Pharmaceutical Chemistry	Attended the Meeting with BOS Chairman at Maharashtra Institute of Pharmacy, Pune.

1.1.4 How does the curriculum design and development meet the following requirements?

The curriculum design and development meets the community needs, professional skills and competencies, Research in thrust / emerging areas, Innovation and Employability.

Table No. 1.2: Curriculum design, development and its impact.

Community needs	Various important subjects are included in the syllabus in order to meet the requirements of the community
Subject	Impact
• Human Anatomy and physiology	Enables the students to guide the community regarding-

<ul style="list-style-type: none"> • Pathophysiology and clinical biochemistry 	<ul style="list-style-type: none"> * General Health * Vaccination * Cleanliness * Family Planning * First aid * Pathological tests
Pharmacology	<p>Enables students to guide the community regarding-</p> <ul style="list-style-type: none"> * Concept of adverse drug reactions, allergies and drug toxicity so that it can be minimized. * Rational drug treatment during pregnancy and lactation, pediatric patients & in geriatric patients. * Analyze the prescription and avoid the drug interactions. • Drug abuse and addiction.
Pharmacognosy	<p>Enables the students to guide the community regarding-</p> <ul style="list-style-type: none"> * The medicinal uses of the plants and natural products. * Cultivation, collection of medicinal plants. * Herbs Drug interaction
Pharmaceutics	<p>Enables the students to guide the patients regarding-</p> <ul style="list-style-type: none"> * Route of Administration. * Dose and dosage regimen. * Storage and handling conditions. * Expiry date. * Labelling conditions.

	<ul style="list-style-type: none"> * Prescription drugs and Over The Counter (OTC) drugs. * Prescription refilling. * Generic and branded drugs.
Pharmaceutical Chemistry and Quality Assurance	<p>Enables the students to deliver the community quality drugs</p> <ul style="list-style-type: none"> * Synthesis of safe drugs with minimum side effects. * Exploring drug synthesis processes with minimum environmental hazards. * Safe disposal of Pharmaceutical waste. * Innovative methods of recycling and water treatment * Safe use of chemicals like toiletry preparations, herbicides and pesticides. * Use of antidotes * Food and drug adulteration
Regulatory affairs	<p>Enables the students to guide the community regarding -</p> <ul style="list-style-type: none"> * Rights of the patients regarding Healthcare system * Medico-legal cases * Narcotic and psychotropic drugs * Biological products * Misbranded, spurious and adulterated drugs.
Environment Sciences	<p>Enables the students to guide regarding-</p> <ul style="list-style-type: none"> * Role of an individual in prevention of pollution. * Sources of pollution and measures to reduce it. * Maintenance of harmony of the Ecosystem.

Professional skills and competencies	<p>Various important subjects are included in the syllabus in order to impart professional skills and competencies.</p> <ul style="list-style-type: none"> * Understand and develop skills in various purification techniques of solvents/ liquids used in synthesis.
Research in thrust / emerging areas	<p>The students are exposed to recent trends in</p> <ul style="list-style-type: none"> * Isolation and characterization. * Information regarding new drug discovery and development process. * Biological evaluation. * Analytical Method development. * Formulation development. * Novel drug delivery system. * Validation of different processes and system. * Genetics and rDNA technology.
Innovation	<p>The curriculum design develops the student's insights/ acumen towards quality of life and betterment of the society.</p>

Employability	
<ul style="list-style-type: none"> • All core subjects of pharmacy • Communication and soft skill development • Pharmaceutical Business management and Disaster Management • Pharmaceutical 	<ul style="list-style-type: none"> * Enables the students to understand the laboratory report essential for patient counseling. * Understand the concepts of dosage form design & formulation strategies. * Understand principles, instrumentation and applications of sophisticated instruments.

jurisprudence	* Hospital Pharmacist
• Drug regulatory affairs	* Clinical Pharmacist
• Pharmaceuticals plant design and operation	* Community Pharmacist
• Pathophysiology and clinical biochemistry	* Manufacturing Chemist
• Research methodology	* Analytical Chemist
	* Regulatory analyst
	* Toxicologist
	* Pharmacologist
	* R & D Scientist
	* Synthetic Chemist
	* Pharma Entrepreneur
	* Packaging Chemist
	* Product Management Executive
	* F & D Scientist
	* Pharmaceutical Sales and Marketing
	* Brand Management
	* Pharma Advertising
	* Market Research
	* Pharma Logistics
	* Drug Inspector
	* Government Analyst
	* Drug Commissioners
	* Pharmacovigilance
	* Clinical Data Management
	* Clinical research
	* Academics
	* Cosmetologist
	* Pharmaco-economics
	* Bio-informatics

1.1.5 To what extent does the institution use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the institution been instrumental in leading any curricular reform which has created a national impact?

Since the institution is affiliated to SPPU, the institute follows the guidelines prescribed by the SPPU as well as regulatory bodies like PCI, All India Council of Technical Education (AICTE) and CPCSEA to implement the curriculum.

- ❖ Dr. Anagha Joshi, Principal, ICP, being a member of IPA Pune Branch was instrumental in forwarding feedback from Cognizant and TCS regarding inclusion of data management and pharmacovigilance topics in syllabus. Accordingly syllabus revision is under consideration. She also being member of CPCSEA has insisted CPCSEA to revise the blanket ban on animal experimentation which has been accepted and taken forward. A new chapter on Animal Handling and Welfare has been drafted by CPCSEA and forwarded to Pharmacy Council of India for implementation which will be included in our syllabus.

1.1.6 Does the institution interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the institution benefitted through interactions with the stakeholders?

Yes, the institution interacts with industry, research bodies and civil society in the curriculum revision process. ICP is affiliated to SPPU and has to abide by the framework designed by the university. However, after the continuous dialogue with the various stakeholders like industry experts, practicing physicians, community pharmacists, regulatory bodies, alumni, the institute has imparted additional inputs to the students.

- Stakeholders play an important role in the curriculum revision process at graduate and post-graduate level. The syllabus is revised frequently to update the subjects and topics which meet the demands of latest development and recent advances happening in the field of pharmacy.
- The faculty members and students interact with researchers while visiting various research institutes and attending seminars/ conferences/ workshops / Orientation Programs / Refresher Courses.

- Feedback regarding the curriculum and all the academic and extension program is obtained from the industry experts, practicing physicians, community pharmacists, regulatory bodies, alumni etc. so that relevant changes could be effected in the present curriculum.
- Suggestions have been received from Pharmaceutical Industry regarding inclusion of some sessions regarding manufacturing processes. Accordingly the institute regularly organizes industrial visits and interactive sessions with the pharma professionals.

Table No. 1.3: Interactions with the stakeholders

Sr. No.	Stakeholders	Designation	Inputs
1	Mr. Samik Sen	Assistant Manager, Marketing, ACG Pharma Technologies Ltd.	Training of the students in Fluid Bed Coating Technology.
2	Mr. Shridhar Joshi	Proprietor, J B Chemicals.	Training of the faculty members for Green Processess.
3	Mr. Shridhar Joshi	Proprietor, J B Chemicals.	Orientation of the students towards Entrepreneurship development
4	Mr. Amar Parge	CEO, Libra Drugs (India) Pvt. Ltd.	Evaluating the student presentations in Pharma Zeal.
5	Civil Society	Kala khadak Dispensary of Pimpri Chinchwad Municipal Corporation	Training of students for Pulse Polio Vaccination and Counselling regarding vaccination

Benefits

- The views and suggestions of Industry experts, Research scholars, Healthcare Professionals, and alumni are incorporated in the curriculum to make it locally and globally relevant and promote employability.
- These inputs make the curriculum value based and thereby make the students industry and market oriented.
- This increases the ability of the students to get national and international placements.
- This has helped the students to get an insight in the upcoming research avenues in the pharmaceutical field.
- The students are trained and motivated to maneuver into new fields of higher education.

1.1.7 How are the global trends in health science education reflected in the curriculum?

- ❖ To carry out the role of pharmacist effectively, pharmacists need to be well prepared on how to deal with patients' behavior and psychology. The understanding of patient's socio-behavioral aspects, attitude, and habits is very important to achieve patient compliance to medication and optimal clinical outcome from therapy.
- ❖ Considering the global scenario related to the Pharmacy Practice we have introduced the Doctor of Pharmacy program at ICP. The objective of the program being patient care and safety, it enables the Clinical pharmacist to play a pivotal role in the healthcare system.
- ❖ In the curriculum subjects like hospital and community Pharmacy, clinical pharmacy, pharmacology and pharmacotherapeutics are included. These subjects provide knowledge about therapeutic uses and side effects of drugs, the rationale behind selection of drugs, drug-drug interactions and patient counseling.
- ❖ Furthermore some topics are included in the B. Pharm syllabus like pharmacovigilance, standardization of herbal drugs, nutraceuticals, Bioavailability-Bioequivalence (BA/BE) study, biotechnology, Good Manufacturing Practices (GMP), Good Laboratory Practices (GLP), Intellectual Property Rights (IPR), preformulation study, recent trends in instrumentation etc. which help the students to understand global trends in health science.
- ❖ Pharmaceutical jurisprudence and Drug Regulatory Affairs (DRA) are subjects included in syllabus that gives idea about regulatory aspects in pharmacy especially international laws related to pharmacy.
- ❖ The recently introduced Industrial Pharmacy subject deals with the developments in the manufacturing process in tandem with the global trends. There is in-depth focus on the quality control aspects as per International Council of Harmonization (ICH) and Current Good Manufacturing Practices (cGMP) guidelines.
- ❖ The Active Pharmaceutical Ingredients Technology subject has been introduced to take care of optimization and scale-up of synthetic reactions, waste disposal and solvent recycling catering to the global trends in Green Chemistry.

- ❖ With increase in demand of health care professionals in hospitals, hospital pharmacy and pharmacovigilance concept is included in Final Year B. Pharm. curriculum. The critical appraisal of fixed dose combinations and prescription auditing is also included in the syllabus.
- ❖ In the subject Natural Drug Technology and Natural Products- Commerce, Industry and regulation; the standardization of herbal drugs as per World Health Organization (WHO) guidelines has been included. The role of herbs and natural products as oral bioavailability enhancers, radiation protecting agents and biofuels has been focused upon. The pharmacovigilance of herbal medicines and toxicity profiles as well as ICH guidelines for the regulation of herbal drugs has been introduced
- ❖ In the Pharmaceutical Analysis syllabus, the validation of analytical methods, the High Performance Liquid Chromatography (HPLC) standardization and quantitation techniques are introduced.
- ❖ Considering the global trends, to elaborate the role of analytical pharmacist in quality assurance; latest topics of significance such as cGMP, documentation, Standard Operating Procedures (SOPs), stability testing as per ICH guidelines and Quality by Design (QbD) approach has been newly introduced.

1.1.8 Give details of how the institution facilitates the introduction of new programs of studies in its affiliated colleges.

The institute is affiliated to SPPU and has to abide by the syllabus prescribed by the University.

- ❖ Considering the global scenario related to the Pharmacy Practice we have introduced the Doctor of Pharmacy program at ICP. The objective of the program being patient care and safety, it enables the Clinical pharmacist to play a pivotal role in the healthcare system.
- ❖ The institute has introduced this new 6 years program Pharm. D (Doctor of Pharmacy) after 12th, which is approved by Pharmacy Council of India, Prior NOC from the University was obtained, which was further submitted to PCI and State Govt. of Maharashtra.
- ❖ As per the norms this program has to be delivered in collaboration with 300 bedded hospitals, hence ICP has collaborated with Aditya Birla Memorial Hospital, Pune.

1.1.9 Does the institution provide additional skill-oriented programs relevant to regional needs?

The institute is located in Pune, Maharashtra in an urban location in proximity to the Pune Mumbai Industrial belt. It lies very near to the Pune IT hub situated in Hinjewadi. Many large accredited hospitals are also in the vicinity, having a large diversified work force immigrated from across India, as well as frequent visitors pan globe.

Taking this into consideration and the needs of the stakeholders we have conducted many such programs. The student community which comes from a mixed population from rural and urban India is groomed, mentored and trained into professional Pharmacists.

Table No. 1.4: List of Skill-oriented programs Conducted

Sr. No.	Programme/ workshop	Inputs by
1	Fermentation technology	Mr. Narendra Gadre, Napro Scientific.
2	Soft skill development	Mr. Rohinton Cooper, Indira School of Communication.
3	Clinical trial of medical devices	Dr. Avinash Kulkarni, CEO Startup world.
4	Fluid Bed Coating Technology	Mr. Samik Sen, ACG Pharma Technologies Ltd.
5	Global scope for Herbal drugs	Dr.Sunita Belgamvar, Maharashtra Ayurved Centre Pvt. Ltd.
6	Regulatory aspects of Bulk drug manufacturing	Dr. Parag Gatne. USV Ltd.
7	Drug Regulatory Affairs	Dr. B. Tambvekar, Pharma Consultant. Mr. R. B. Joshi, Food and Drug Administration
8	SAS programing	Dr. Ajay Sathe , Cytel. Mrs. Dhanashree Kadam, Ultramax.
9	Careers in Clinical Research– PV – CDM	Mrs. Manjiri Joshi, UKATT Consultancy Services. Mrs. Indrani Kakade, Cognizant Lifesciences. Dr. Ravindra Ghooi, Consultant
10	Minitab software training	Bimal Kumar Kesh, Minitab India.

1.1.10 Explain the initiatives of the institution in the following areas:

The institute frequently organizes various sessions / guest lectures for the holistic development of the students.

a) Behavioral and Social Science.

1. Yoga session by Dr. Nitin Unkule – Importance of Yoga and fitness in modern lifestyle.
2. Guest lecture on Life Skills by Prof. Ajay Warhade
3. Lecture series on Disaster Management by Prof. Anil Dandekar
4. Every year the institution creates awareness regarding environmental science through field trips.
5. Visit to orphanage and old age home
6. The institute conducts special drives to create awareness in various fields like
 - a) “Swacha Bharat Abhiyan”
 - b) Plastic free India
 - c) “Save Girl Child”
 - d) Women empowerment and Self defense
 - e) Health and nutrition
 - f) Fire Drill
 - g) Traffic rules awareness.
 - h) Pulse Polio
 - i) Cancer awareness
 - j) Health check up
7. Grievance Cell , Women’s cell, Anti-ragging cell
8. CARE club
9. The institute has established a National Service Scheme unit.

b) Medical Ethics / Bio Ethics / Nursing Ethics.

1. The institute imparts the ‘Pharmacist’s oath’ to all aspirants in induction program to inculcate professional ethics.
2. Session by Indian Medical Association Pune Branch regarding role and responsibility of pharmacists in health care.
3. We have Institutional animal ethics committee (IAEC) to take care of ethics during animal experimentation.
4. For all industrial and research projects we strictly abide by the non-disclosure norms.

5. The faculty and PG students of the institutes have given a legal undertaking to PCI for not lending the Pharmacists registration certificate to anybody for commercial purpose.

c) Practice Management towards curriculum and/or services.

1. Every year academic and activity calendar is prepared and implemented.
2. Work load is distributed in the faculty meeting and time tables and lab occupancy schedule is prepared accordingly per semester.
3. All the faculty members prepare and submit subject planners to academic department. The planners are reviewed periodically.
4. The examination department prepares schedule of sessional exams and In-semester continuous assessment; and display it on notice board and website.
5. At the end every semester syllabus completion reports are submitted.
6. Various college working committees are formed for the smooth conduct of the academic extra and co-curricular activities.
7. Library management system is in place. Library books transaction is monitored online through library management system.
8. Stock taking of consumables in the laboratories and books in the library are taken every year.

d) Orientation to research. –

1. The students are allotted minor projects related to the subjects at the undergraduate level.
2. The post graduate program is delivered partly by papers and partly by research. The post graduate students undertake major research project in second year of the course.
3. The students are exposed to the current developments in the Pharma research through various guest lectures and seminars.
4. UG and PG students are motivated and groomed to present and publish research papers.
5. The faculty members who receive the SPPU research grants guide two undergraduate students in their research projects, who further participate and present their work at the university level poster presentation “AVISHKAR” competition.
6. Deserving students are sent to the industry for collaborative industrial projects.
7. Necessary research journals are subscribed as reference knowledge resource.

8. Internal IPR cell is formed which guides and facilitates the filing of patents of novel projects.

e) Rehabilitation

Care is taken of the students who fail their regular examinations. They are counseled and mentored; and care is taken to see to it that they become the integral part of the system. This is done through the conduct of tutorials, assignments, extra sessions, solving earlier exam papers etc.

f) Ancient scriptural practices

1. Special practicals are designed based on ancient Ayurveda literature for formulation development.
2. Yoga Sessions are conducted for the faculty and the students.
3. Museum has got dedicated section depicting the traditional and ancient practices in the drug development and pharmacy.
4. The library is equipped with treaties and ancient literature oriented books like Charak Samhita, Traditional medicines etc.

g) Health Economics.

- Special lectures are conducted to give students flare about pharmaco-economics and its impact on the GDP of the nation.
- PG students are guided to undertake pharmaco-economic topic for their project.
- The college library is equipped with the books, periodicals, magazines and dailies related to pharmaco-economics.

h) Medico Legal issues

The subject Pharmaceutical Jurisprudence covers different acts like Medical Termination of Pregnancy Act (MTP). The cases of female foeticides are discussed and students are made aware of consequences of this on demographic gender ratios.

i) Enhancement of quality of services and consumer satisfaction.

- Management has provided state of the art infrastructure, well stocked library, wifi enabled campus, excellent IT services and appointed qualified and experienced faculty to ensure the academic excellence.

- To keep up the pace with the dynamic industrial scenario, suggestions from stakeholders, governing council members are usually taken into consideration for continuous improvement.
- Feedback from the students is taken frequently and suggestions are implemented wherever necessary.
- Students can voluntarily communicate their expectations/suggestions.

1.1.11 How does the institution ensure that evidence based medicine and clinical practice guidelines are adopted to guide patient care wherever possible?

The institute has collaborated with Aditya Birla Memorial Hospital (ABMH) for conduct of Pharm D program. ABMH has conducted induction program for the students and explained them working ,expectations and deliverables of Clinical Pharmacy Practice department .From fourth year of the course, students will spend 50% of time in hospital and in sixth year they will have internship in the hospital. In that span it will be ensured that they will practice the guidelines for patient care.

ICP also takes special efforts to train the B.Pharm and M.Pharm students to educate the community through various awareness campaigns like Pharma rally , Swine flu awareness campaign, Dengue Awareness campaign, participation in Polio drive, Street plays for awareness of Swine Flu, Blood group determination camp, distribution of leaflets including simple guidelines regarding administration and storage of different pharmaceutical dosage forms etc.

1.1.12 What are the newly introduced value added programs and how are they related to the internship programs?

- Considering the global and local requirements of Clinical Pharmacists and pharmacy practice to ensure better and accessible healthcare our institute has introduced Pharm. D. course (Doctor of Pharmacy) which is a 6 years comprehensive program, with one year internship, to be delivered in collaboration with ABMH from the year 2016-17.
- The B.Pharm. curriculum prescribes one month Industrial training during the four year tenure of the course.
- The institute also organizes various value added programs for the overall and holistic development of the students.

Table No. 1.5: Newly introduced value added programs

Sr. No.	Value added program	Impact
1	Career development program	<ul style="list-style-type: none"> ➤ Students become career oriented and enabled to choose their career pathways. ➤ Overall personality attributes like dressing sense, hygiene, public speaking, eating habits, etiquettes etc. get developed in students.
2	Personality analysis and discussion with the students	
3	Seminar/workshop for personality development	
4	Training for soft skill development of the students	
5	Certificate Programs <ul style="list-style-type: none"> ➤ IPR Certificate Course ➤ GMP Certificate Course ➤ Pharmacovigilance Course ➤ WIPO certification Course ➤ Analytical Instrument Handling Course 	<ul style="list-style-type: none"> ➤ Updating the knowledge of Pharmacy and correlate their curricular knowledge with the industrial requirements. ➤ Apply theoretical and practical knowledge in innovative way. ➤ Bridge the gap and increasing the industry readiness of the students.
6	Pre placement activities	<ul style="list-style-type: none"> ➤ Training for resume preparation, facing interviews, good presentation skills ➤ Enhance employability ➤ Development and improvement of leadership ability to become a good entrepreneur
7	Placement activities through campus and other than campus recruitment	
8	Entrepreneurship workshop	

1.1.13 How does the institution contribute to the development of integrated learning methods and Integrated Health Care Management?

- The Savitribai Phule Pune University Pharmacy curriculum comprises of four core pharmacy subjects viz. Pharmacognosy, Pharma-chemistry, Pharmacology and Pharmaceutics. The faculty members integrate the subjects during the academic delivery.
- The institute invites professionals working in the different streams in the pharma industry who further facilitate the integrated approach.

- a) Integration of subjects taught with their clinical application.
- The students are taught human anatomy and physiology, health education and community pharmacy, pharmacology. Knowledge of all these subjects can be applied in integrated way in a subject clinical pharmacy.
 - In clinical pharmacy, exercises related to prescription writing, solving, rational use of drugs etc. are conducted.
 - Students can apply their knowledge in pharmacology like various class of drugs and their use, side effects and adverse drug reaction etc. that they have studied during their B. Pharm. Course.
- b) Integration of different systems of health care (Ayurveda, Yoga, Unani, Homeopathy, etc.) in the teaching hospital. : NA

c) Vertical and horizontal integration of subjects taught is as follows

Pharmaceutics	Pharmaceutical Chemistry	Pharmacology	Pharmacognosy
Pharmaceutics	Organic and Inorganic Chemistry	Human Anatomy and Physiology	Pharmacognosy and Phytochemistry
Modern Dispensing Practices	Pharmaceutical Analysis	Pathophysiology and Clinical Biochemistry	Analytical Pharmacognosy and Extraction Technology
Dosage Form Design	Medicinal Chemistry	Pharmacology (including biostatistics)	Natural Product Chemistry
Physical Pharmaceutics	Active Pharmaceutical Ingredients Technology		Natural Products: Commerce, Industry and Regulations
Pharmaceutical Microbiology	Bioorganic Chemistry & Drug Design		
Pharmaceutical Engineering	Quality Assurance Techniques		
Industrial Pharmacy			
Cosmetics Science			
Pharmaceutical Business & Disaster Management			
Pharmaceutical Biotechnology			
Sterile Products			
Biopharmaceutics and Pharmacokinetics			
Pharmaceutical Jurisprudence			
Advanced Drug Delivery System			

1.1.14 How is compatibility of programs with goals and objectives achieved with particular reference to priority of interface between Public Health, Medical Practice and Medical Education?

Table No. 1.6: Attainment of goals and objectives through various activities

Goals	Objectives	Activities	Outcomes
Quality Education, Professional and social development	Quality Pharmacist, Multi-faceted development, Pharmaceutical research	<ul style="list-style-type: none"> - Regular pre planned lectures and practical with advanced teaching methods and facilities. -Regular counseling of the students by faculty. - Extracurricular and co-curricular activities - Community services 	Students Become knowledgeable, responsible and quality pharmacist with moral, ethical values and good etiquettes, so that they can give good service to the society
Research and higher education	Seminars, workshops, training and conferences. Industry academic-Interaction, Pharmaceutical research - State of art Infrastructure. Services and consultancy -Innovative educational Endeavors	The institute provides good research facilities and research environment so that they can use their innovative mind in research which will helpful for the mankind	Students can think out of the box for innovative practices. So that they can apply their innovative mind for the benefit of the public health and society

1.2 ACADEMIC FLEXIBILITY

1.2.1 Furnish the inventory for the following:

✚ Programs offered on campus –

- B. Pharm.
- M. Pharm. (Pharmaceutics)
- Pharm. D.

Table No. 1.7: Programs offered on campus

	COURSES OFFERED	YEAR OF COMMENCEMENT	INTAKE
UG	B. Pharm.	2006	60
UG	Pharm. D	2016	30
PG	M. Pharm. (Pharmaceutics)	2011	18

✚ Overseas programs offered on campus- Nil

✚ Programs available for colleges/students to choose from - As per SPPU syllabus, Elective subjects for M. Pharm.

1.2.2 Give details on the following provisions with reference to academic flexibility

a. Core options: The Institute is affiliated to SPPU. It is recognized and approved by AICTE and PCI, Delhi.

B. Pharm. & Pharm. D.-

The Institute follows the curriculum prescribed by the University where all the subjects are compulsory.

M. Pharm. -

The institute offers post graduate degree in Pharmaceutics. Here as per the University curriculum, there is no option in core subjects.

b. Elective options:

B. Pharm. & Pharm. D. – the provision for elective options is not available.

M. Pharm. (Pharmaceutics) –

- As per the University norms it is feasible for the students to have choice of elective subject at this level.
- The students are given liberty to choose the research topic of their interest for project work.

Table No. 1.8: Elective subjects for M.Pharm.

Sr. No.	Name of subject
1	Quality control & assurance of pharmaceuticals
2	Pharmaceutical plant design and operations
3	Biopharmaceutics and pharmacokinetics
4	Sterile products formulation & technology
5	Active Pharmaceutical Ingredients (APIs) manufacturing technology
6	Chemistry of medicinal natural products
7	Traditional systems of medicine & Ayurvedic formulations
8	Medicinal plant biotechnology
9	Natural products management
10	Quality assurance techniques in herbal products
11	Toxicology
12	Safety Pharmacology
13	Clinical trials
14	Clinical pharmacokinetics and pharmacodynamics
15	Clinical immunology and enzymology
16	Industrial pharmacy and production management
17	Fermentation technology
18	Project management
19	Pharmaceutical administration
20	Cosmetology

c. Bridge course: SPPU syllabus for Pharmacy has not prescribed any bridge course neither there is any provision for the same. However ICP invites various resource persons from the industry and academia to give extra inputs to the students to bridge the gap between syllabus deliverables and skill sets and competencies required by industry.

d. Enrichment courses: In order to make the students industry ready the institute has crafted and designed following certification programs.

Certificate Programs:

- IPR Certificate Course
- GMP Certificate Course
- Pharmacovigilance Course
- WIPO certification Course
- Product Management Certification
- Medical Representative Certification

e. Credit accumulation and transfer facility. – NA

f. Courses offered in modular form – the institute does not offer any course in modular form

g. Lateral and vertical mobility within and across programs, courses and disciplines and between higher education institutions.

Table No. 1.9: Lateral and vertical mobility

Sr. No.	Type of Mobility	Program	Mobility criteria across programs
1	Lateral mobility	B. Pharm.	Lateral entry to S.Y. B. Pharm.
2		Pharm. D.	Lateral entry to 4 th Year Pharm. D.(Post Bacculaureate)
3	Vertical mobility	B. Pharm.	M. Pharm. MS MBA M. Tech. M. Sc. MS-Ph. D. (Integrated) M. Pharm.-MBA(Dual degree)
4		M. Pharm.	MS MBA M. Tech. Ph. D
5		Ph.D.	MBA Post Doctoral Studies

- e. Flexibility to the students to move from one discipline to another:** As per the norms of the AICTE & SAVITRIBAI PHULE PUNE UNIVERSITY the institute is not given the flexibility to change the curriculum unless proper procedure is followed. However, for value addition and course enrichment the Institute does revise and update the curriculum at an interval of 3-5 years for undergraduates and even less interval for postgraduate program by following a proper channel.
- d. Flexibility to pursue the program with reference to the time frame:** The student has to complete the Bachelor of Pharmacy course within 7 years with break in between and /or including all the attempts allowed. However, the students who take admission from diploma to degree in Second year B. Pharm directly are supposed to appear for examinations in two subjects of First Year B. Pharm. They have to clear these subjects before commencement of final year examination.
- h. Twinning programs- NA**
- i. Dual degree programs-NA**

1.2.3 Does the institution have an explicit policy and strategy for attracting students from

- ✚ Other states – The admission process to all the programs is conducted by Directorate of Technical Education (DTE), Maharashtra state as per the norms set by the government of Maharashtra. The detailed schedule of admission process is displayed on DTE website-www.dte.org.in and also published in leading newspaper.

Table No. 1.10: Distribution of the seats

Sr. No.	Course	By State Govt. (%)			Institute level (%)
		MS	OMS	Total	
1	B. Pharm.	65	15	80	20
2	M. Pharm.	100	0	100	-
3	Pharm. D.	65	15	80	20

All the students of B. Pharm. and Pharm. D. programs are admitted through competitive entrance examination conducted by state government. M. Pharm. Students are admitted by the state government based on GPAT score.

The admission notification is put up on the college website-
www.indiraicp.edu.in

- ✚ Socially and financially backward sections: The institute extends the scholarship to socially and financially backward sections of the society as per the state government norms. In addition, Indira Group of Institutes has launched “Indira Sustainable Maharashtra Initiative (ISMI)”. ISMI helps children from socially and financially backward families by educating them and help them get employed with a steady job, thus augmenting their family income and standard of living, breaking the cycle of poverty and hunger.
- ✚ International students: AICTE has sanctioned 12% of supernumerary PIO quota for the B. Pharm. Course. All the admissions of such students (including students sponsored by Indian Council for Cultural Relations - ICCR) are done by SPPU/DTE-MS.

1.2.4 Does the institution offer self-financing programs? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programs?

All the programs (B. Pharm, Pharm. D. and M. Pharm.) offered in the institute are self-financed.

Admission: It is governed by the norms prescribed by the AICTE and/or PCI and state government. The institute is affiliated to SPPU; the admissions are done by competent authority of state government/Directorate of Technical Education (DTE).

Fee Structure: Fee structure is decided by Skishan Shulka Samiti/ Fee regulating authority Govt. of Maharashtra.

Teachers Qualification: Teacher qualification and salary are as per AICTE/PCI norms.

1.2.5 Has the institution adopted the Choice Based Credit System (CBCS) / credit based system? If yes, for how many programs? What efforts have been made by the institution to encourage the introduction of CBCS in its affiliated colleges?

- ✚ As per SPPU syllabus, Choice Based Credit System (CBCS) / credit based system is adapted for the M.Pharm. course since 2013-14.

- ✚ For B. Pharm. Course the Credit Based Semester System (CBSS) is adapted since 2015-16, as per SPPU.
- ✚ The institute encourages the Faculty members to attend the training programmes for understanding and implementation of CBCS system.
- ✚ The institute encourages the Faculty members to attend Faculty Development Programmes for different subjects introduced under CBCS.
- ✚ Faculty visits to the industry for understanding of NEW subjects introduced under CBCS.
- ✚ The institute follows the CBCS in the institute through in-semester continuous assessment and end semester assessment with equal weightage of 50% each.

1.2.6 What percentage of programs offered by the institution follow annual system and semester system:

The institute is affiliated to SPPU and out of the three programmes offered by the institute 33.33% of the programmes follow annual pattern while 66.66% of the programmes follow semester system as indicated below:

- ✚ Annual system: As per SPPU syllabus for the students of B.Pharm. 2008 pattern and Pharm. D course.
- ✚ Semester system: As per SPPU syllabus for the students of B.Pharm. 2013 pattern, B.Pharm. 2015 pattern and M. Pharm. 2013 pattern.
- ✚ Trimester system : Nil

1.2.7 How does the institution promote multi/inter-disciplinary programs? Name a few programs and comment on their outcome.

As the institute is affiliated to SPPU, there is no provision for any interdisciplinary programme. But at the institutional level, to promote interdisciplinary research and interaction; we take special efforts. The undergraduates and postgraduate students can take up interdisciplinary project work with outcome of good publications. The faculty members promote interdisciplinary research in collaboration with different departments in the institute. Pharmacy course itself is a blend of various core subjects as well as other disciplines like organic chemistry, biotechnology, microbiology and the like which promotes the interdisciplinary approach.

Table No. 1.11: List of a few Interdisciplinary Research Projects of UG and PG students

Sr. No.	Topic
1	Formulation design, development and evaluation of Corticosteroid Lotion by QbD approach.
2	Development and evaluation of flaxseed oil formulation for pediatric use.
3	Formulation development of antiviral ointment.
4	Formulation and Evaluation of Generic Immediate Release Tablet of BCS Class I Antihypertensive drug.
5	Development and evaluation of formulations containing coprocessed excipients.
6	Formulation and evaluation of anti-psychotic drug.
7	Development of formulation for antihypertensive drug.
8	Evaluation of antimicrobial activity of ethyl acetate extract of acacia catechu
9	Solubility enhancement of candesartan cilexetil with different solubilisation approaches
10	Formulation and evaluation of alendronate sodium floating tablets
11	Interaction between allopathic and herbal drugs in hypertension
12	Survey based on use of aspirin in pregnancy
13	Formulation and evaluation of eletriptan transdermal patches
14	Formulation development of dry suspension containing anti-bacterial drug

1.2.8 What programs are offered for practicing health professionals for skills training and career advancement?

Ours' being a pharmacy institute, we are not authorized in any capacity to offer programs for practicing health professionals.

1.3 CURRICULUM ENRICHMENT

1.3.1 How often is the curriculum of the institution reviewed and upgraded for making it socially relevant and/or skill oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The institute is affiliated to SPPU and follows the syllabus prescribed by it. SPPU periodically updates the syllabus for making it socially relevant and skill oriented knowledge intensive and meeting the emerging needs of students and other stakeholders.

- ❖ Considering the global scenario related to the Pharmacy Practice we have introduced the Doctor of Pharmacy program at ICP. The objective of the program being patient care and safety, it enables the Clinical pharmacist to play a pivotal role in the healthcare system.
- ❖ Furthermore some topics are included in the B. Pharm syllabus like pharmacovigilance, standardization of herbal drugs, nutraceuticals, BA/BE study, biotechnology, GMP, GLP, ISO, IPR, preformulation study, recent trends in instrumentation etc. which help the students to understand global trends in health science.
- ❖ The recently introduced Industrial Pharmacy subject deals with the developments in the manufacturing process in tandem with the global trends. There is in-depth focus on the quality control aspects as per ICH and cGMP guidelines.
- ❖ The Active Pharmaceutical Ingredients Technology subject has been introduced to take care of optimization and scale-up of synthetic reactions, waste disposal and solvent recycling catering to the global trends in Green Chemistry.
- ❖ With increase in demand of health care professionals in hospitals; hospital pharmacy and pharmacovigilance concept along with the critical appraisal of fixed dose combinations and prescription auditing is included in Final Year B. Pharm. curriculum.
- ❖ Considering the global trends, to elaborate the role of analytical pharmacist in quality assurance; latest topics of significance such as cGMP, documentation, SOPs, stability testing as per ICH, QMS and QbD has been newly introduced.

Table No. 1.12: Revision of syllabus

COURSES	YEAR OF REVISION
B. Pharm.	2008, 2013, 2015
M. Pharm.	2013

1.3.2 During the last four years, how many new programs were introduced at the UG and PG levels? Give details.

- ❖ Multi/inter-disciplinary: NA
- ❖ Programs in emerging areas: Pharm. D. was introduced in the year 2016-17.

1.3.3 What are the strategies adopted for the revision of the existing programs?**What percentage of courses underwent a syllabus revision?**

- ❖ The syllabus revision strategy is decided by SPPU and some of our faculty members have actively participated in the syllabus revision process. The institute interacts with the stakeholders regarding the revision of the syllabi which is communicated to the university.
- ❖ The Savitribai Phule Pune University has revised the B.Pharm. Syllabus in 2008, 2013 and 2015 and M. Pharm. Syllabus is revised in 2008 and 2013. The B. Pharm. 2008 pattern was annual pattern which was revised to semester pattern in 2013, and subsequently the Credit Based Semester System (CBSS) is adapted since the year 2015-16. The M. Pharm. 2008 pattern was semester pattern which was revised to Credit Based Semester System (CBSS) in the year 2013. Thus, 66.66 % of the total courses have undergone syllabus revision.

Table No. 1.13 : Newly introduced subjects in the UG curriculum

Sr. No.	Name of the subject
1	Communications and soft skill development
2	Dosage for Design
3	Industrial Pharmacy
4	Advance drug delivery system
5	Active pharmaceutical ingredient technology
6	Bioorganic chemistry and drug design
7	Natural product chemistry
8	Analytical Pharmacognosy and extraction technology
9	Natural drug technology
10	Natural Products: Commerce Industry and regulations

1.3.4 What are the value-added courses offered by the institution and how does the institution ensure that all students have access to them?

The institute in order to make the students industry ready, offers well-crafted value added courses-

- ❖ Soft skills and grooming
- ❖ IPR Course
- ❖ GMP Course

- ❖ Pharmacovigilance Course
- ❖ Analytical Instrument handling course
- ❖ Pharma Machine Operation course

The activity planner of these courses is prepared well in advance and is displayed on the notice boards as well as the faculty members make time to time announcements of these courses for the student's information. Social media groups are formed to communicate the information.

1.3.5 Has the institution introduced skills development programs in consonance with the national health programs?

YES, the institute regularly undertakes various programs in consonance with the national health programs as follows-

- ❖ Hemoglobin determination camp
- ❖ Blood group detection camp
- ❖ NPW- Patient counseling
- ❖ Swine flu vaccination in collaboration with SERUM Institute India
- ❖ Polio mass vaccination in collaboration with PCMC
- ❖ Patient education about the safe use of medicines

1.3.6 How does the institution incorporate the aspects of overall personality development addressing physical, mental, emotional and spiritual well-being of the student?

The management takes keen interest to cater to the holistic development of the student community. The campus has a state of art, gymnasium which takes care of the physical well-being of the students. Various programs are organized throughout the year for mental, emotional and spiritual well-being of the students.

Table No. 1.14: Various programs for the holistic development of the students

Sr. No.	Activity	Conducted by	Outcome
1	Session on Yoga and wellness	Dr. Nitin Unkule	Health, Physical fitness and mental well-being
2	Session on Bramhavidya	Prof. Ajay Warade	Mental, emotional, spiritual well-being
3	CARE Club	Dr. Tarita Shankar	Mental, emotional, spiritual, professional well-being
4	Session on Personality development	Prof. Rohinton Cooper	Professional well-being
5	Session on Nutrition for Girls students	Dr. Seema Sonis	Health and Physical well being
6	Session on Breast cancer awareness	Dr. Shona Nag	Health and Physical well being
7	Session on Grooming and Personality development	Dr. Tarita Shankar	Professional well-being
8	Annual Celebration of Ganesh festival, Navratri	Indira Group of Institutes	Spiritual Growth
9	Annual Social event (Cultural program-Spectrum)	Indira College of Pharmacy	Health, Physical and emotional well being
10	Sports week	Indira College of Pharmacy	Health and Physical well being
11	Indira Pharma Zeal (IPZ)	Indira College of Pharmacy	Professional well-being
12	National Pharmacy Week (NPW)	Indira College of Pharmacy	Emotional and Professional well-being
13	Yoga Day Celebration	Prof. Amir Shaikh	Health, Physical fitness and mental well-being
14	Social Drives under Swachh Bharat Abhiyan and Anti Plastic Drive	Indira Group of Institutes	Physical and emotional well-being
15	Samvedana Sessions	Prof. Manasi Wagdarikar	Mental, Emotional and Professional well-being

1.3.7 Does the curriculum provide for adequate emphasis on patient safety, confidentiality, rights and education?

YES. The curriculum provide for adequate emphasis on patient safety, confidentiality, rights and education through relevant subjects like Pharmacology, Clinical trials, Pharmacovigilance, Pharmaceutical Jurisprudence, Hospital Pharmacy, Pharmaceutical Organic, Pharmaceutical Inorganic Chemistry, Modern Dispensing Practices, Pharmaceutical Microbiology, Industrial Pharmacy and Pharmaceutics, Drug Regulatory Affairs etc.

1.3.8 Does the curriculum cover additional value systems?

Though the syllabus is designed and prescribed by SPPU, the institute has put in great efforts to deliver over and above Additional Value Systems such as follows:

Industrial training:

The objective of the industrial training is to acquaint the students to the functioning of the various departments. They are exposed to problems based learning directly from the industry experts.

- As per the curriculum, industry training is compulsory after passing S.Y. B. Pharm. students.
- The IIPC, in collaboration with various industries, facilitates the M. Pharm students projects and dissertation work.

Poster competitions:

We, at ICP, organize the National Level Poster competition Indira Pharma Zeal every year which encourages the student sresearch and public speaking skills. The institute also delegates the students to participate and present their work and research ideas at different seminars and conferences.

Guest lectures, seminars, conferences & workshops:

Eminent personalities from industry, research organizations, regulatory bodies and expert academicians are regularly invited to interact with the students by organizing various guest lectures, seminars, conferences and workshops. These interactions update the students with current Pharma scenario.

1.4 FEEDBACK SYSTEM

1.4.1 Does the institution have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

- The institute has the system of obtaining feedback forms on curriculum from students, alumni, parents and academic peers, industry persons, recruiters. These feedbacks are analyzed and communicated to the university authorities. The syllabus revision is done whenever needed.
- The institution based on this feedback invites various resource persons from the industry and academia to give extra inputs to the students to bridge the gap.

1.4.2 Does the institution elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and their impact.

Yes, the curriculum is designed and framed by SPPU. The institution conducts various Guest lectures as well as Seminars and conferences, wherein eminent national and international experts participate and guide on the various facets of curriculum.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum and the extent to which it is made use of.

The institute is affiliated to SPPU and all curriculum revision is done at university level. SPPU has constituted BOS, Faculty of Pharmaceutical Sciences and academic council for curriculum revision. Feedback is collected from the experts and industry person. Based on feedback and suggestion, syllabus is designed or revised. The designed syllabus is sent to all SPPU affiliated institutions and as per their suggestions syllabus is finalized.

1.4.4 Based on feedback, what are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring the effective development of the curricula?

Indira Group of Institutes (IGI) has constituted central 'Internal Quality Assurance Cell (IQAC)' to ensure continuous improvement in the entire operations of the institutions of IGI and assure stakeholders connected with higher education namely, students, parents, teachers, staff, and would-be employers, funding agencies and society in general, of the accountability of the institutions. IQAC of IGI visits the institutions at regular intervals and

reviews academics, feedback, compliance to norms of affiliating bodies, research and development, co-curricular and extra-curricular activities etc. IQAC then discusses the report with the Principal and faculty and sends the report to the institution. IQAC also reviews the implementation of the suggestions. Some of the measures undertaken by the institution along with IQAC support with respect to curricular aspects include

➤ **Teacher selection procedure:**

- Applicants for the post of lecturer are required to have qualification as per the norms of AICTE. Our institute has adopted a distinguished method for selection of faculty. All the applicants are required to present a seminar on latest topic to respective Head of the Department and other senior teachers who evaluate the candidate on the basis of their content of presentation, language command and presentation skill.
- The candidates shortlisted through this process then appear for personal interview. If the University selection process coincides with college requirement, then personal interview is conducted by staff selection committee of SPPU. When the process by university does not coincide with requirement of college (due to extended roster process), then personal interview is taken by Local Selection Committee and candidate is selected on ad-hock basis.

➤ **Course planner:**

Our institute has a pattern of lecture wise scheduling of the syllabus in the form of course planner of lectures, in which whole syllabus of the subject is divided into the stipulated hours and additional lectures are conducted for revision and special efforts are taken to help the slow learners.

➤ **Syllabus completion report:**

Institute ensures completion of the syllabus by through the Syllabus completion report, where a subject in charge is assigned the responsibility to mention the numbers of scheduled lectures/practicals and actually delivered lectures/practicals and after evaluation by subject in charge and head of the department, extra lectures/practicals if any required are arranged to compensate the difference.

➤ **Lecture/ Practical adjustment:**

- Continuing the successfully adapted system of lecture/practical adjustment, will keep check on the completion of syllabus and the speed of teaching.

Faculties are strictly required to stick to the time limits specified by the university and provide optimum weightage to each topic mentioned in the syllabus.

- The faculty members are also instructed to compensate the missed lectures due to their personal absence or official leaves, ensuring the completion of syllabus in a stipulated time and also decrease the undue burden on the students of last minute rush by teacher.

- **Academic calendar:**

The institute prepares Academic schedule for whole academic year stating the proposed dates of all the activities including examination, extracurricular and co-curricular activities. The institute strictly tries to follow the schedule for excellent utilization of the time during the whole academic year.

- **Class teacher/ student mentor:**

The institute takes good care of its students .Each faculty member is a mentor to a group of students, where 4 to 5 students from each class are teamed together to have a vertical interaction. At the time of starting every new academic year, the class teacher/ mentor informs the students about the forthcoming events and activities to be conducted during the academic year.

- **Guest lectures/ seminars:**

The institute encourages overall upliftment of the quality of the students as well as the faculty. This is achieved by regularly organizing various seminars and guest lecture dealing with recent trends in the field of pharmaceutical sciences. They are presented by experts from the relevant backgrounds. A healthy question answers sessions is followed after each sessions for open discussion. The students are guided, involved and motivated for attending these programs.

- **Abstract/ seminar presentation:**

M.Pharm students are encouraged for seminar presentation in class room, poster or oral presentation in workshop/conferences. Same way B.Pharm students are also encouraged for poster / oral presentation in workshop/conferences.

- **Refresher courses/ workshops/seminars:**

For the quality improvement, the institute permits the teaching staff and students to attend various refresher courses/ workshops/ seminars for up gradation

of their knowledge organized by university, other governing bodies and various institutes all over India and abroad as well.

➤ **Feedback process:**

The institute believes in two-way interactions and feedback phenomenon and hence has developed the method to obtain the feedback from students, alumni, parents and academic peers. These information obtained is utilized for the quality enhancement and improvement in various aspects like infrastructural facilities, curriculum etc. This overall helps in making the Institute a Centre for Excellence.

➤ **Research activities:**

➤ Institute supports and promotes various research activities and due concentration is given dissertation projects of postgraduate students. Institute emphasizes on quality research outcome and our efforts have achieved recognition at state and national level. During final year M. Pharm. students have to do dissertation project as a part of their M.Pharm. study.

➤ ICP is committed towards provision of state of art facility to support the research initiatives.

➤ **Rankers:** The institute also boasts to have merit rankers in the University examinations each year.

1.4.5 What mechanisms are adopted by the management of the institution to obtain adequate information and feedback from faculty, students, patients, parents, industry, hospitals, general public, employers, alumni and interns, etc. and review the activities of the institution?

The institute believes in taking feedback and hence has developed the method to obtain the feedback from students, alumni, parents and academic peers. These forms are scrutinized and the data analyzed is utilized for quality enhancement and improvement in various aspects like infrastructural facilities, curriculum etc. This practice helps in making the Institute a Centre for Excellence.

The Management takes 360 degree feedback from all the stake holders, to do so in a systematic manner - ICP Feedback committee has been formed which takes efforts to collect feedback from students, faculty, parents, industry, employers, alumni and Students.

Comprehensive feedback form is designed and is circulated amongst the stakeholders at different times on aspects like:

- ✚ Academic inputs
- ✚ Industry readiness
- ✚ Infrastructural facility
- ✚ Student integrity and professionalism
- ✚ Placements
- ✚ Extracurricular activities
- ✚ Faculty Exit interview
- ✚ Students performance
- ✚ Library facilities
- ✚ Computer and IT facilities

Feedback obtained on various aspects like teaching learning process, teaching quality etc., is analyzed and reviewed by the feedback committee and the reports are communicated to the Principal. The Principal further initiates corrective measures based on the suggestions. Wherever required the Management/ GC & LMC is informed and consulted to implement the suggestions. The faculty is informed about their feedback and improvisations are suggested in the academics.

CRITERION II: TEACHING-LEARNING AND EVALUATION**2.1 STUDENT ENROLMENT AND PROFILE****2.1.1 How does the institution ensure publicity and transparency in the admission process?**

The college has a dedicated admission cell, which looks after the publicity of the admission process.

Publicity

- The college admissions are routed through the Directorate of Technical Education (DTE), Maharashtra by a centralized admission process (CAP). The college details reflect in the DTE brochure. DTE releases time to time admission advertisements in the media.
- The college issues advertisements in the National and local newspapers.
- Every year IGI organizes INDIRA YOUTH YATRA in the interiors of Maharashtra to create awareness about pharmacy profession and admission process. The faculty and admission cell members visit Jr. Colleges and private coaching classes to interact with the students.
- The admission cell members with prior appointment visit and interact Jr. Colleges and private coaching classes in the vicinity. We also distribute pamphlets and CDs regarding the course and admission process.
- College admission enquiry register is maintained to gather information about the pharmacy aspirants. These aspirants are later informed and updated about admission procedure through phone calls, emails and messages.
- We display admission hoardings on college campus.
- Eligibility norms, required documents and admission notifications are duly updated on the college website. www.indiraicp.edu.in
- College participates in various career fairs and admission know-how programs organized by various professional bodies to reach-out the students.

Transparency

- The institute ensures complete transparency in the admission process as the admission procedure is carried out, supervised and approved according to guidelines given by DTE and Government of Maharashtra.
- The institute level admissions are done as per the merit of the students. Merit list is further submitted to DTE and other authorities for subsequent verification and approval.

2.1.2 Explain in detail the process of admission put in place by the institution. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test, aptitude and interview, (iv) common entrance test conducted by state agencies and national agencies (v) any other criteria (specify).

The institute follows centralized admission process based on Maharashtra Technical Common Entrance Test (MHT-CET) which is conducted by Directorate of Technical Education, Maharashtra State as follows:

Table no. 2.1.1 Courses offered

Courses offered :			
Courses	Intake	DTE code	Duration
B. Pharm	60	636082310	04 Years
M. Pharm (Pharmaceutics)	18	636081710	02 Years
Pharm. D (Doctor of Pharmacy)	30	636010100	06 Years

Eligibility
<p>A) For Admission to First Year B. Pharm:</p> <ul style="list-style-type: none"> ✓ The candidate should be an Indian National; ✓ Passed HSC or its equivalent examination with Physics and Chemistry as compulsory subjects along with one of the Mathematics or Biotechnology or Biology and obtained at least 45% marks (at least 40 % marks in case of candidates of Backward class categories and Persons with Disability belonging only to Maharashtra State) in the above subjects taken together ; ✓ Obtained Score in CET.* (as per rules published by DTE in admission information broucher every year) <p>The admission procedure for PIO/ Foreign National Students was conducted by SPPU till 2015-16 and SPPU used to allocate the students to the college. From 2016-17, admission procedure for PIO/Foreign Nationals is conducted by DTE, Maharashtra State.</p>

B) Direct Second Year (Lateral Entry)

- ✓ The Candidate should be an Indian National;
- ✓ Passed Diploma Course in Pharmacy with at least 45 % marks (at least 40 % marks in case of candidates of Backward class categories and Persons with disability belonging to Maharashtra State only) from an All India Council for Technical Education or Pharmacy Council of India or Central or State Government approved Institution or its equivalent.
- ✓ Any other criterion declared by appropriate authority from time to time.

C) For Admission to First Year M. Pharm

- ✓ The candidate should be an Indian National;
- ✓ Passed Bachelor's Degree in Pharmacy from any All India Council for Technical Education or Pharmacy Council of India or Central or State Government approved institution, with at least 55% marks (at least 50% marks in case of SC or ST category and Persons with Disability Candidates belonging to Maharashtra State only);
- ✓ Obtained score in Graduates Pharmacy Aptitude Test (GPAT) conducted by All India Council for Technical Education OR score in State government CET;
- ✓ For sponsored candidates, minimum of two years of full time work experience in a registered firm/ company/ industry/ educational and/ or research institute/ any Government Department or Government Autonomous Organization in the relevant field in which admission is being sought.

Children of NRI / OCI / PIO, Children of Indian workers in the Gulf countries, Foreign National.–

- ✓ Passed Bachelor's Degree in Pharmacy from any All India Council for Technical Education or Pharmacy Council of India or Central or State Government approved institution, with at least 55% marks;
- ✓ Any other criterion declared by appropriate authority from time to time.

D) Pharm D. :

- ✓ The candidate should be an Indian National;
- ✓ Passed HSC or its equivalent examination with subjects Physics and Chemistry as compulsory subjects alongwith one of the Mathematics or Biotechnology or Biology and obtained at least 50 % marks (at least 45 % marks in case of candidates Backward

class categories and Persons with Disability belonging only to Maharashtra State) in the above subjects taken together; OR

- ✓ Passed Diploma Course in Pharmacy from institutes affiliated to State Board and having approval of competent central authority and State Government and obtained at least 50 % marks (at least 45 % marks in case of candidates of Backward class categories and Persons with Disability belonging only to Maharashtra State);
- ✓ The candidate should have obtained at least 50% marks in the CET;

Table 2.1.2 List of documents required for admission process (B. Pharm);

Sr No	Name of document	SC/ST	SBC/NT/ OBC	Open
1	MHT-CET Marksheet	√	√	√
2	12th Marksheet	√	√	√
3	10th Marksheet	√	√	√
4	Leaving certificate	√	√	√
5	Domecile/ birth certificate	√	√	√
6	Nationality certificate	√	√	√
7	Caste certificate	√	√	X
8	Caste validity certificate	√	√	X
9	Non-Creamy layer certificate	X	√	X
10	Family annual income certificate	X	√	√
11	Aadhaar card	√	√	√

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

As the institute is affiliated to SPPU, the institute is required to follow centralized admission process based on Maharashtra Technical Common Entrance Test (MHT-CET) which is conducted by Directorate of Technical Education, Maharashtra State.

http://fileservers.mkcl.org/PH2016/OasisModules_Files/Files/124.pdf?did=1533

The University as such does not play any direct role in Admission Process. The University only verifies the eligibility of the admitted students.

2.1.4 Does the institution have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

Yes, The Institute reviews the admission process and student profile annually. The admission cell of the college reviews the demographic analysis of students admitted and takes into consideration, the problems faced by the students in the earlier years, accordingly the institute conducts counseling sessions/ lectures regarding courses offered/ available and students acumen, eligibility rules, documents required and salient features of the admission process at different places.

Also the admission cell discusses the same with the academic cell which helps them to design specific inputs for them. The students belonging to different categories as well as economically backward students are facilitated to apply for different scholarships in stipulated time through our student section. The student's profiles are uploaded on AICTE and PCI web portal.

Table 2.1.3 Broad Demographic Analysis-B.Pharm

Sr No	Academic year	Maharashtra State (MS)	Outside Maharashtra State (OMS)	Outside India
1	2016-17	60	0	6
2	2015-16	55	5	8
3	2014-15	55	5	9
4	2013-14	57	3	9

Table 2.1.4: Demographic Analysis- (B. Pharm.)

Sr. No.	Region	2016-17	2015-2016	2014-2015	2013-2014
1.	Pune	39	27	35	30
2.	Nashik		2	-	-
3.	Beed	2	5	1	8
4.	Ahmednagar	3	5	4	5
5.	Osmanabad		3	-	-
6.	Dhule		-	-	2
7.	Latur		-	-	1
8.	Nanded	3	3	-	1

9.	Satara	2	-	1	2
10.	Parbhani	2	-	1	1
11.	Akola	1			
12.	Yavatmal	1			
13.	Sindhudurg	1			
14.	Kolhapur	1	1	-	-
15.	Raigad	1	2	-	1
16.	Mumbai	2	1	3	3
17.	Thane		2	1	1
18.	Aurangabad	1	1	-	-
19.	Jalgaon		1	3	1
20.	Solapur		-	1	1
21.	Jalna	1	1	-	-
22.	Sangali		1	2	-
23.	Gadchiroli		-	1	-
24.	Buldhana		-	1	-
25.	Chandrapur		-	1	-
26.	Karnataka		-	1	-
27.	Rajasthan		2	1	2
28.	Uttar Pradesh		1	2	1
29.	Madhya Pradesh		-	1	-
30.	Gujarat		-	-	-
31.	Chhattisgarh		1	-	-
32.	Bihar		1	-	-
33.	Iraq	6	8	8	5
34.	Burundi		-	-	2
35.	Fiji		-	-	1
36.	Nigeria		-	1	-
37.	U.S.A.				1
Total		66	68	69	69

Table 2.1.5: Demographic Analysis - M. Pharm.

Sr. No.	Region	2015-2016	2014-2015
1	Pune	3	9
2	Latur	-	3
3	Ahmednagar	-	1

4	Parbhani	1	-
5	Raigad	1	-
6	Yavatmal	1	-
7	Mumbai	1	-
8	Chandrapur	1	-
9	Osmanabad	1	-
10	Nandurbar	1	-
11	Jalna	-	-
Total		10	13

Table 2.1.6: Demographic Analysis- Pharm D

Sr. No.	Region	No. of Students
1	Aurangabad	2
2	Pune	8
3	Beed	3
4	Mumbai	7
5	Satara	1
6	Nanded	1
7	Hingoli	1
8	Kolhapur	1
9	Jalna	1
10	Nagpur	3
11	Sindhudurg	1
12	Ahmednagar	1
Total		30

This analysis has helped us to get good quality students reflected in high merit cut off in subsequent years.

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories:

Though the admission process is run by DTE, MS, still we take special efforts to promote student flow from all the strata, genders and categories of the society.

Table 2.1.7: Strategies adopted to increase / improve access for students belonging to the different categories

Categories	Strategies
SC/ST	We facilitate the procedure for category students scholarship through students section as laid down by DTE, MS.
OBC	
Women	Separate Hostel accommodation facility is available for girls. We have Women cell to cater to needs and difficulties of the girl students.
Persons with varied disabilities	We provide barrier free environment (ramp) and Lift facility for persons with varied disabilities.
Economically weaker sections	We facilitate the application for EBC scholarship for Economically Weaker students. We also guide and support the students for availing Educational Loan facility from different banks and applying for scholarships from Private Organizations. We also provide installments in paying fees.
Outstanding achievers in sports and other extracurricular activities	The Government benefits are passed on to the deserving students. The state of art Gymnasium and sport facilities are available on the campus with instructors.

2.1.6 Number of students admitted in the institution in the last four academic years:

Table 2.1.8: Number of students admitted in the institution (B. Pharm)

Categories	Year 1 (2013-14)		Year 2 (2014-15)		Year 3 (2015-16)		Year 4 (2016-17)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	04	05	03	02	02	03	00	05
ST	01	00	00	00	00	00	00	00
OBC	02	04	05	04	04	01	05	06
General	15	16	23	15	17	20	11	28
Others (VJ/NT/ SBC)	05	05	06	02	10	03	03	02

Table 2.1.9: Number of students admitted in the institution M. Pharm (Pharmaceutics)

Categories	Year 1 (2013-14)		Year 2 (2014-15)		Year 3 (2015-16)		Year 4 (2016-17)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	00	00	00	00	00	00	00	00
ST	00	00	00	00	00	00	00	00
OBC	00	00	00	00	00	00	03	01
General	00	00	00	00	00	00	02	04
Others (VJ/NT/SBC)	05	05	06	02	10	03	01	02

Table 2.1.10: Number of students admitted in the institution Pharm. D.

Categories	Year 1 (2016-17)	
	Male	Female
SC	01	00
ST	00	00
OBC	01	03
General	03	19
Others (VJ/NT/SBC)	00	01

2.1.7 Has the university conducted any analysis of demand ratio for the various programs of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

The University does not conduct any analysis of demand ratio for the various programs of the university departments and affiliated colleges. However, the institute regularly reviews the demand analysis. The institute has closed down the M. Pharm (Pharmacology and Quality Assurance) programs in academic year 2013-14 due to drop in number of admissions and decline in demand ratio. Considering the increase in demand of clinical pharmacists and substantial increase in the Pharma aspirants; institute has introduced Pharm. D (Doctor of Pharmacy). We are the first private unaided institute in Maharashtra state to start the Pharm D. program.

2.1.8 Were any programs discontinued/ staggered by the institution in the last four years? If yes, specify the reasons.

Yes! The institute has discontinued M. Pharm Pharmacology and M. Pharm Quality Assurance Technique Courses due to drop in admissions to M. Pharm course in general and to these branches in particular. The conduct of these programs was not viable.

2.2 CATERING TO STUDENT DIVERSITY

2.2.1 Does the institution organize orientation / induction program for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

➤ **Induction Program details-**

The College organizes an Induction program every year at the inception of the academic year once the admission process gets over. Eminent personalities from the Pharma Industry are invited to give the students an insight of the Pharma sector. Management members as well as the Principal inspire and address the students and parents and they are introduced to the faculty members. The Academic In charge and Examination In charge give a detailed presentation to them, whereby they are made aware of all the academic monitoring, examination and library system. The academic and activity calendar is shared. Rules and regulations booklet is also distributed. They are informed about the anti-ragging cell and grievance redressal cell. Anti-ragging affidavits are collected from the students. The Pharmacist Oath is imparted to the students. The details of eminent personalities invited for induction programs are as follows:

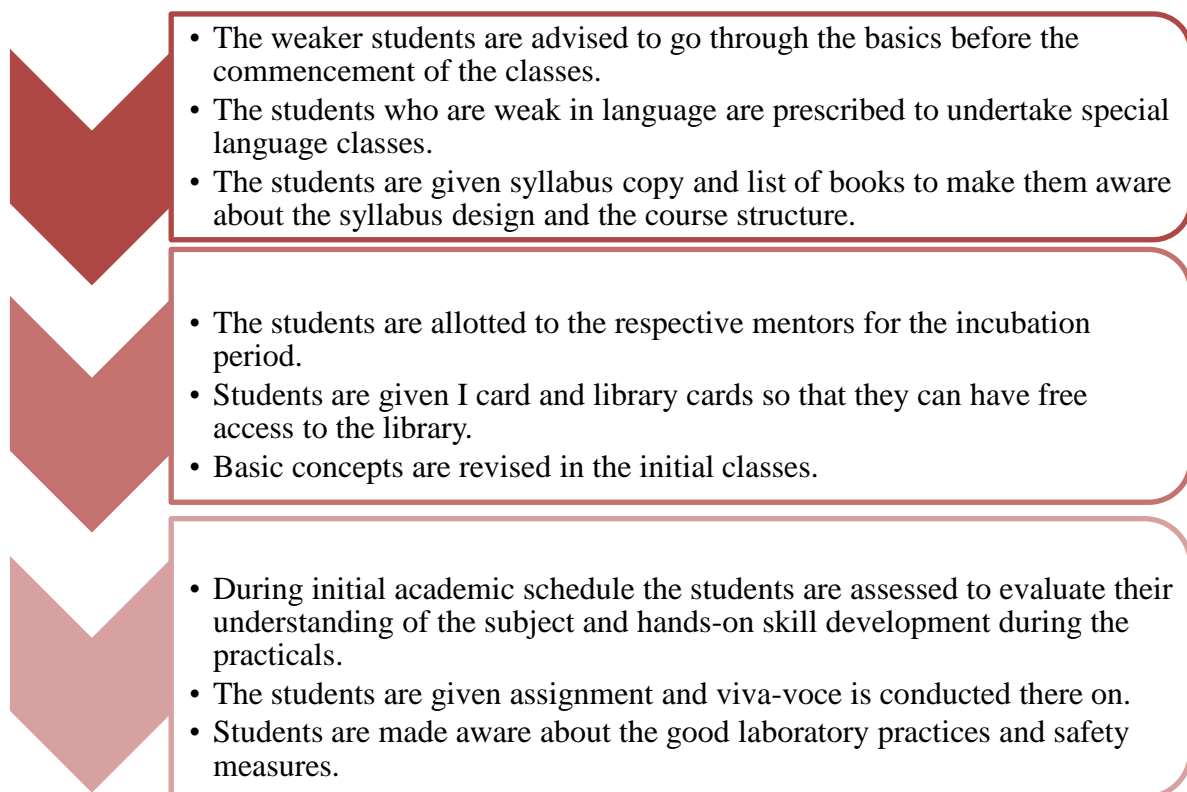
Table 2.2.1: Induction Program Details:

Academic Year	Date	Experts involved	Designation
2012-13	07/08/2012	Dr. Mahesh Burande	Director, IPER
2013-14	22/08/2013	Mr. Shirish Dabhade	Ex-Asst. Commissioner, FDA, Maharashtra
2014-15	06/08/2014	Mrs. Indrani Kakade	Director, Operations, Cognizant, Life Sciences division.
2015-16	28/08/2015	Dr. Vadlamudi Rao	President, Indian Pharmaceutical Association

2.2.2 Does the institution have a mechanism through which the “differential requirements of the student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Students Merit list is prepared based upon their HSC marks, this helps to analyze the academic performance and ability of the students.

The key issues identified and addressed as below:



2.2.3 How does the institution identify and respond to the learning needs of advanced and slow learners?

During the regular theory and practical sessions via one to one interactions faculty identifies advanced and slow learners. This is further validated based on performance of the students in in-semester continuous assessment and sessional examination.

For the weaker students, the academic monitoring committee initiates special lectures and each individual faculty conducts special classes for the weaker students. They are also made to submit extra assignments and open book tests are conducted. To facilitate their studies the students are given question banks as well as projects.

The students who have excellent academic performance are motivated to undertake various Exams (GPAT, MAT, and GATE). Students are motivated to undergo training in industry or undertake minor research projects to further sharpen their skills and build up the right attitude.

2.2.4 Does the institution offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

Yes, as per the motto of the institute “Redefining Pharmacy Education”, we offer various add on courses as follows:

Table 2.2.2: Details of add-on courses

Sr No	Add on courses	Speakers
1	Soft skill development	Rohinton Cooper
2	Certificate program on Intellectual Property Rights (IPR)	Prerna Dongre, Raghvendra Bhat, Vinod Honmute
3	Certificate program on GMP	Amita Karnik (Amicon Rx)
4	Certificate program in Clinical Data Management and Pharmacovigilance	Ukaat Consultancy and services private ltd
5	Training module for Pharma Marketing	Dr. Mahesh Burande

These add on courses or guest lectures are usually conducted on every Saturday in the slot kept for tutorial hour .If at all any expert expresses desire to conduct a session on any other working day, the concerned subject lecture is adjusted in some other slot.

2.2.5 Has the institution conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, differently-abled, etc.? If yes, what are the main findings?

Yes, the institute monitors academic growth of the students from the disadvantaged section of the society. Regular result analysis of the students is carried out.

The main findings are as follows:

- The student’s performance is directly correlated to the attendance.
- The student’s results have gradually improved year to year.
- The student’s communication skill as well as writing ability has improved remarkable.
- The student’s attitude has changed and confidence has increased to new heights.
- The students have become more socially responsible.
- There overall health and hygiene has improved and they have become more adaptable.

2.2.6 Is there a provision to teach the local language to students from other states/countries?

The medium of instruction prescribed in the syllabus is English. We have a language laboratory well-equipped with the required software and the relevant dictionaries.

2.2.7 What are the institution's efforts to teach the students moral and ethical values and their citizenship roles?

The institution takes keen efforts to inculcate moral and ethical values in the student community. Various guest lectures and programs are arranged to meet the objective. Faculty members also take special sessions to imbibe the ethical values in the student persona. The details are as follows:

- A specially designed program “Samvedana” is conducted by Prof. Mrs. Manasi Wagdarikar.
- Mr. Ajay Warhade from IIMP conducted a special workshop on “Responsibilities of youth in Nation building”.
- Prof. Ramesh Katedeshmukh delivered a talk on “The ethics in Pharma profession.”
- Prof. Mrs. Archana Karnik talked on “Importance of Positivity and happiness in Professional life”.
- Prof. Dr. Dayanand Kannur conducted a session on “A good human being- simple but a difficult task.”
- Prof. Dr. Suvarna Ingale conducted a workshop on “Wellness of Women”.
- A Session was conducted on – “ Women safety and cyber-crime”
- The institution organizes various drives to create awareness as well as the guest sessions by eminent personalities like-
 - ❖ Yoga session by Dr. Nitin Unkule – Importance of Yoga and fitness in modern lifestyle
 - ❖ Disaster Management session by Prof. Anil Dandekar
 - ❖ Every year the institution creates awareness regarding environment through field trips
- We conduct special drives to make students socially responsible -
 - ❖ “Swachha Bharat Abhiyan”
 - ❖ Plastic free India
 - ❖ “Save Girl Child”

- ❖ Women empowerment and Self defense
 - ❖ Health and nutrition
 - ❖ Vigilance awareness program.
 - ❖ Fire Drill
 - ❖ Traffic rules awareness.
 - ❖ Pulse Polio
 - ❖ Cancer awareness
- We impart Pharmacists oath to all aspirants in induction program to inculcate professional ethics.
 - The faculty and PG students of the institutes have given a legal undertaking to PCI for not lending the Pharmacists registration certificate to anybody for commercial purpose.

2.2.8 Describe details of orientation/ foundation courses which sensitize students to national integration, Constitution of India, art and culture, empathy, women’s empowerment, etc.

- **National integration-** We celebrate Independence day, Republic day, Teachers Day , Pharmacist Day, International yoga day, National Pharmacy Week to amalgamate the national pride amongst the student community.
- **Constitution of India-** We celebrate the constitution day every year and impart the students the pledge of India.
- **Art and culture-**
 - ❖ The students participate in various inter-collegiate cultural events.
 - ❖ The college organizes annual social gathering “SPECTRUM”.
 - ❖ The college also organizes art and craft exhibition every year.
 - ❖ ICP also conducts Rangoli, Salad Decoration, Face painting competition etc.
 - ❖ ICP celebrates various cultural festivals like Ganesh Festival, Navaratri Festival, X-mas etc
 - ❖ The students also observe various days like Saree day, Traditional day.
- **Empathy**
 - ❖ A specially designed program “Samvedana” is conducted by Mrs. Manasi Wagdarikar.
 - ❖ Indira Sustainable Maharashtra Initiative (ISMI) is a program implemented specially for the wards of farmers who have committed suicide, where these

students are offered support and scholarship to meet their daily and educational needs. This entire initiative is supported by the management, faculty, student community and the alumni.

- ❖ The students visit various orphanages as well as old age homes to donate various items which are collected in special drives on the campus.
- ❖ The students have time to time carried out special outreach programs during various natural calamities.
- **Women empowerment**
 - ❖ Various guest lectures are organized to sensitize the students regarding the role, value and significance of women in their life and to imbibe in them culture of gender equality and respecting women at homes, work places, domestic aids in particular and in the society generally. Women empowerment is personified by our chairperson Dr Tarita Shanksr and exemplified by a large number of women working graciously in IGI at various levels.

2.2.9 Has the institution incorporated the principles of Life Style Modifications for students based on Eastern approaches in their day to day activities?

The current generation has a very high impact of the western lifestyle and at the same time they can easily access the global trends through the most commonly available e-resources. As a reason, the pattern of daily activities, clothing and food habits is completely distorted. The virtual gaming has overpowered the field games which have totally led to a sedentary life-style. To conserve our ancient traditional styles and habits, the institute specifically organizes various events like-

- Session on Life skills
- NSS camp in rural set-up.
- Traditional day celebration.
- Demonstrative and participative session on YOGA.
- Talk on Ayurveda, Traditional medicines, healthy food habits and lifestyle.
- Orientation program to make students aware about the local flora.
- We also make the students participate in various other events like –
 - ❖ Run for a cause
 - ❖ Outdoor Sports Activities
 - ❖ Celebration of various festivals
 - ❖ Activities related to conservation of Environment

2.2.10 Has Yoga/Meditation/any other such techniques been practiced by students regularly as self-discipline?

Yes. The institution inculcates and promotes Yoga, Meditation and self-discipline

- Yoga session by Dr. Nitin Unkule – Importance of Yoga and fitness in modern lifestyle
- Prof. Dr. Dayanand Kannur conducted a session on “A good human being- simple but a difficult task.”
- Prof. Amir Shaikh regularly conducts special session on “Fitness of Mind and Body” for the students as well as faculty.
- Special session by International Nutritionist by Dr. Madhur Kulkarni on “Healthy diet regimen: A secret behind Quality Life”.
- Art of Living volunteers conducted a session on “Sudarshan Kriya”.

2.2.11 How does the institution attend to the diverse health issues (physical and mental) of students and staff?

The institute has a full proof system to address various health issues of students and staff, as follows:

- The management has provided a 24X7 ambulance facility for staff , students and other support staff on the campus.
- On call doctor is available in the campus.
- The institution has a tie-up with Aditya Birla Memorial Hospital for emergency medical issues.
- Health Checkup camps for individuals of 40 years and above is conducted every year.
- First Aid kit is maintained in the college at different locations.
- Group medical insurance facility is offered to the employees and hostel students.
- Prof. Dr. Dayanand Kannur conducted a session on “A good human being- simple but a difficult task.”
- Prof. Amir Shaikh regularly conducts special session on “Fitness of Mind and Body” for the students as well as faculty.
- A specially designed program “Samvedana” is conducted by Prof. Mrs. Manasi Wagdarikar to cater healthy mind.
- Prof. Mrs. Archana Karnik conducts sessions on “Importance of Positivity and happiness in Professional life”.
- Prof. Dr. Suvarna Ingale conducts workshops on “Wellness of Women”.

- Prof. Subhash Kumbhar conducts sessions on “Health, Hygiene and Family Planning”.

2.2.12 Does the institution cater to the needs of groups / individuals requiring special attention by conducting group classes / special individual trainings / focused group discussion / additional training measures etc.?

Yes. We conduct various activities to cater to the needs of students and staff regularly.

- Humanity being IGI’s core value, special efforts are initiated by our dynamic charismatic chairperson Dr. Tarita Shankar in the form of “CARE Club” where the special guidance sessions are held for the students, faculty and staff.
- Specially designated student welfare officer is appointed who looks after the student welfare an activity.
- Prof. Rohinton Cooper conducts group discussion to train the students on public speaking.
- The weaker students are identified and extra lectures, open book test, assignments are rendered to them along personalized counseling.
- Prof. Purna Dongre conducts session on “Intellectual Property Rights”.
- Dr. (Mrs.) Anagha Joshi regularly counsels students and gives them assignments, projects and group activities to address their special requirements.
- All the faculty members are actively involved in mentoring the student community and take care of the weaker aspects.

2.3 TEACHING-LEARNING PROCESS

2.3.1 How does the institution plan and organize the teaching-learning and evaluation schedules such as -

➤ Academic calendar

The academic schedule is designed by the Academic Cell in accordance with the academic calendar of SPPU in consultation with all the faculty members and is approved by the Principal.

➤ Course teaching plan

- ❖ The subject allocation and the workload is distributed to the faculty members based on the experience and expertise at the term end meeting of preceding year. The Time Table is then prepared and displayed on the notice board as well as on the college website.

- ❖ At the commencement of the academic year each faculty divides the topics as per the weightage prescribed by the University per week and submits the academic planner with pedagogy to the academic cell. Academic cell takes a periodical review of the planner.

➤ **Evaluation blue print**

B. Pharm

- ❖ The institute follows evaluation system as per the scheme of Examination set by SPPU. The evaluation is done on the basis of internal and external examination (for 2013 Pattern) and on the basis of internal and external examination along with in-semester continuous assessment (2015 Pattern) as prescribed by SPPU. B. Pharm. 2013 pattern is based on 30:70 (Internal: External). B. Pharm. 2015 pattern is based on 40:60 (Internal: External).
- ❖ As per the University norms there is one sessional examination (20 Marks) per semester and two credit evaluations of 10 Marks each. The credit evaluations are so designed as to know the qualitative understanding of the students as well as ensuring and enhancing the optimum utilization of the knowledge resources.
- ❖ In-semester continuous assessment is carried out using specific Open Book tests, surprise tests as well as assignments and projects to evaluate their understanding and grip of the subject knowledge.

M. Pharm

- ❖ The evaluation is done on the basis of internal and external examination along with in-semester continuous assessment for 2013 Pattern as prescribed by SPPU. The evaluation pattern is based on 50:50 (Internal: External).
- ❖ As per the University norms there is one sessional examination (30 Marks) per semester (Sem I&II) and two credit evaluations of 10 Marks each. The credit evaluations are so designed as to know the qualitative understanding of the students as well as ensuring and enhancing the optimum utilization of the knowledge resources.
- ❖ In-semester continuous assessment (Sem I&II) is carried out using specific Open Book tests, Quiz, Seminar as well as assignments and projects to evaluate their understanding and grip of the subject knowledge.
- ❖ For Sem. III students are evaluated based on seminar (50 Marks) and research work (150 Marks). At the end of Sem. IV students are evaluated based on dissertation work and Viva-Voce (300 Marks).

- ❖ Calculation of CGPA, Grades and Credits is done by SPPU based on the marks obtained by the students.

Pharm D.

- ❖ The evaluation is done on the basis of internal and external examination as prescribed by SPPU. The evaluation pattern is based on 30:70 (Internal: External).
- ❖ As per the University norms there should be at least two internal sessional examination (30 Marks) and SPPU annual examination (70 marks) during each academic year.
- ❖ In the fifth year of pharm. D. course oral examination is conducted after completion of clerkship. In the sixth year of the course, every student shall be posted in constituent hospital for project work. The project work is evaluated by internal and external examiners.

2.3.2 Does the institution provide course objectives, outlines and schedules at the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes, the course objectives, outlines and the schedules based on the syllabus laid down by SPPU are conveyed to the students by the respective subject teachers. The effectiveness of the process is ensured by monthly review of the syllabus completion report and activity planner, which is further reflected in the results.

2.3.3 Does the institution face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

Sometimes the institution faces the problems in completion of the syllabus in the stipulated time because of any of the following reasons:

- Delay in the admission process especially in the case of First Y. B. Pharm and First Y. M. Pharm.
- Due to spread-out of the examination pattern – this happens because of the adoption of semester pattern and credit system from A.Y. 2013.
- Due to various unplanned, incidental and urgent social, co-curricular activities, for the betterment of the society.
- However to complete the syllabus in the stipulated time, extra classes are conducted

either at zero hour or last hour or on holidays. In case of problems arising due to delayed admission procedure, Diwali vacation is curtailed for that particular class.

2.3.4 How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

The institution follows the student centric learning approach in following ways:

- Using Multimedia resources such as – Power point presentation for delivering lectures, video/films to cater to the complex concepts.
- By preparing mind maps for different concepts and principles involving sequential relationship.
- In certain cases the Z to A approach is followed where the students who are aware of the final product are taught the basic process so as to make the understanding easy.
- Every year the institute organizes a state/ national level poster presentation competition to provide platform for presenting their research ideas and inculcate and enhance participative learning.
- Students are encouraged to participate in National level technical competitions organized by other institutes /organizations /universities.
- Institution organizes regular industry institute interactions through guest lectures.
- Faculties also share their knowledge of research findings with students by means of Journal club “Sanshodhan Katta”.
- Students are encouraged to give seminars on additional topics of their interest to different class groups.
- As extension activity of the knowledge gain students present the posters and educate the people in exhibitions or in awareness rallies, DOS & DONTs about medicine, awareness about particular disease or disorders and clinical manifestations.
- For holistic development, institute organizes various in-house activities like
 - ❖ A specially designed program “Samvedana” – Workshop on mind and time management.
 - ❖ Workshop on “Responsibilities of youth in Nation building”.
 - ❖ A talk on “The ethics in Pharma profession.”
 - ❖ Session on “Importance of Positivity and happiness in Professional life”.
 - ❖ Session on “A good human being- simple but a difficult task.”

- ❖ Workshop on “Wellness of Women”.
- ❖ Session on – “ Women safety and cyber-crime”
- ❖ Workshop on “Grooming and Etiquettes” for girl students.
- ❖ Yoga session on “Importance of Yoga and fitness in modern lifestyle”
- ❖ Every year the institution creates awareness regarding environment through field trips.
- ❖ We conduct special drives to enhance project based learning in the students like- Swachha Bharat Abhiyan, Plastic free India, Save Girl Child, Women empowerment and Self-defense, Health and nutrition, Vigilance awareness program, Fire Drill, Traffic rules awareness, Pulse Polio and Cancer awareness
- The IIPC organizes visits to various industrial manufacturing plants to give insights to the students about good manufacturing practices and advances in the technologies.
- In order to facilitate the knowledge about latest advancements, students have to undertake industrial training for a minimum period of one month.

2.3.5 What is the institution’s policy on inviting experts / people of eminence to augment teaching-learning activities?

The IIPC and the Guest Lecture seminar committee identify the thrust areas and the topics of prime importance and experts from the industry and academia are invited to deliberate and deliver knowledge to the student community. The thrust areas are as follows:

- Formulation & Development
- Regulatory Affairs
- Research & Development
- Pharmacovigilance & Clinical Data Management
- Pharmaceutical Marketing
- Readiness for Industry

The expenses are borne by the institution. Necessary provisions are made in the budget.

2.3.6 Does the institution formally encourage learning by using e-learning resources?

Yes, the institute has a full-fledged IT Department with well-maintained computer laboratory. The students have free access to the computer laboratory. The entire campus is Wi-Fi enabled and the students make use of such resources to update their

knowledge base.

The library has a continued subscription to e journals and various databases. The library has a vast pool of e books and resource material, to which the students and faculty have access as and when required.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning and open educational resources used by the faculty for effective teaching?

- The college library is well equipped with e journals, e books and various databases. The students and faculty access such e-sources as and when required. The library is well stocked with various reference books and journals.
- The classrooms are provided with in-built LCD projectors/HD big screen televisions and LAN connection so as to disseminate the latest knowledge to the students in an interactive way.
- The college has a functional Language Laboratory to improve the vocabulary as well as the spoken English of the students.
- The latest animations and video clips are shown to the students for better understanding and creating inquisitiveness amongst them.
- The Pharm Chemistry Department uses various molecular models to describe the stereochemistry.
- The Pharmacology Department uses Simulation like Ex Pharm for demonstration of animal experimentation.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the institution's educational processes?

The faculty members and the librarian take the regular review of recent developments in the various Pharma domains. Such information is communicated to the students community through various means like mails, WhatsApp and Facebook page so as the students are benefited with latest knowledge and recent trends.

2.3.9 What steps has the institution taken to transition from traditional classrooms into an e-learning environment?

Our Institution has taken following steps for changeover from traditional classrooms into an e-learning environment.

- IT department forms the mainstay of sufficiency, skill as well as the continuous professional development of the faculty who is involved in teaching. The institute has developed IT department with up to date maintained computer laboratory. The students have free access to the computer laboratory. The entire campus is wi-fi enabled and the students make use of such resources to update their knowledge base. Special computer lab with internet connection has been provided to promote independent e-learning.
- The classrooms are provided with in-build LCD projectors/ HD big screen televisions to make learning more logical and easy during theory classes.
- The most modern animations and video clips right from You tube are shown to the students for better understanding and creating inquisitiveness amongst them.
- The college library is well equipped with e journals, e books and various databases, the students and faculty access such e-sources as and when required. The library is well stocked with various reference books and journals.
- CDs and models are used to teach Structural activity relationship, human anatomy physiology, and pharmacology.
- Small projects are assigned to student so that they will accomplish problem based learning.

2.3.10 Is there provision for the services of counselors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

Yes, as we give importance to the holistic development of student along with academic excellence, institution has started mentorship program for each class of students for academic, personal and psycho-social guidance.

Details of mentorship program:

- Every year each faculty is assigned some number of students (depending on total number of faculty and students) at the time of joining the course during induction program.
- In this mentorship program, the concerned faculty conduct meeting regularly to meet the following objectives:
- Discuss with the students about their academic, personal and psycho-social problems and advise them to solve or to face the problems strongly

- Through personal discussion as well as from documents, mentor identifies student's expertise, liking and inspires them to excel in their expertise of their liking.
- Plan study calendar to help weak students.
- Keep watch on students' academic performance.
- Student Counselor is appointed on consultancy basis, who meets and counsels the students time to time.
 - ❖ Praveen Borana,- Mis-hap in family, Brother expired, underwent depression, counseled
 - ❖ Pooja Jagtap – dropout at 1 sem counseled to continue,
 - ❖ Nilesh Waghole – dropout at 3rd year counseled to pursue ,
 - ❖ Kanaram Chaudhary – was deviating from academics and was counseled to focus on academics,
 - ❖ Soni Thakur was academically burdened and was losing interest in the subjects thus missing the classes, hence was counseled by making academic plan.
 - ❖ Prachi Thakur was a kleptomaniac and was counseled to change her habit and encouraged to complete her course,
 - ❖ Aditi Nehete was found copying in the internal examination, became violent and was not ready to communicate the same to her parents, both were counseled

2.3.11 Were any innovative teaching approaches/methods/practices adopted and implemented by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

Table 2.3.1: Innovative method of teaching, its Impact & Outcome

Sr. no	Innovative method	Impact & Outcome
1	Molecular models to describe the stereochemistry.	Better understanding of the subject knowledge
2	Z to A approach	Application oriented technique
3	Seminars and Quiz	Value added subject grasping
4	Case Studies for M.Pharm	Problem solving approach is enhanced
5	Hands on training on Biotechnology techniques	Expertise building

6	Free-lance techniques	Self-learning enhancement
7	Market research based practical designs	Self-motivation and entrepreneurship attitude building
8	cGMP and US FDA environment exposure	Better understanding of the Global regulatory atmosphere
9	Students debate	Joyful learning, self-learning and confidence building
10	Exhibition on Patient counseling	Joyful learning and skill development.

The students were facilitated to introspect and understand their own liking, understanding choice of career option, which they communicated through feedback. The teachers using innovative practices are recognized by the institute by awarding 'Appreciation Certificates'.

2.3.12 How does the institution create a culture of instilling and nurturing creativity and scientific temper among the learners?

The institution created a culture of instilling and nurturing creativity and scientific temper among the learners as follows:

- Institute organizes "INDIRA PHARMA ZEAL" State/National Level Poster Presentation Competition every year to encourage students to present their creative scientific project work. This competition is organized to disseminate knowledge and facilitate exchange of new ideas among the budding pharmacy professionals and to get the guidance from industry experts who judge the competition.
- The institute also organizes annual social gathering "SPECTRUM" every year wherein student participate in various creative activities like logo painting, face painting, arts and craft and other competitions.
- The institute arranges guest lectures of eminent speakers from industry to build up scientific temperament.
- The Institute organizes Industrial Visits to give a complete idea about the pharmaceutical industry, its various departments, flow of men, materials and machines and the regulatory compliances to be adhered to. This gives students an opportunity to identify linkage between their inherent or acquired liking with a specific function and help to choose a desired career path even before they graduate.

- SPPU curriculum mandates one month Industrial Training for B. Pharm students. The students get exposure and opportunity to learn, understand and experience various systems and processes in various departments of the Pharmaceutical Industry.
- As per the curriculum of SPPU, research or review projects were assigned to Third year B. Pharm students to instill the research and scientific acumen in the students, till academic year 2014-15. Thereafter we have continued with same activity though not mandated by SPPU for the interested candidates.
- IIPC encourages M. Pharm students to undertake Industrial Projects to inculcate problem based learning and professional environment. This facility is also provided for deserving undergraduate students.
- We promote students to participate in different intra and intercollege activities like Poster presentation competitions, Essay writing, Debate, Quiz, Mad-add etc.
- We organize Soft Skills and Communication Skill Development, Time Management.
- The College has a well stocked Library with e-learning resources which is strong knowledge resource.

2.3.13 Does the institution consider student projects mandatory in the learning program? If yes, for how many programs have they been (percentage of total) made mandatory?

The College is affiliated to SPPU and as per the curriculum, research or review projects were mandatory to Third year B. Pharm students, till academic year 2014-15. Thereafter we have continued with same activity though not mandated by SPPU for the interested candidates to instill the research and scientific acumen in the students. Also one year project work is mandatory for M. Pharm students as a part of their curriculum.

Table 2.3.2: Number of projects executed within the institution

Academic year	Number of projects executed	
	B.Pharm	M. Pharm
2015-16	--	10
2014-15	58	18
2013-14	55	10
2012-13	59	30

Table 2.3.3: Names of external institutions for student project work

Academic year	Names of External Institutions	No of Projects
2016-17	Loreal India Pvt.Ltd.	2
2015-16	Loreal India Pvt.Ltd. Sitec Labs Pvt. Ltd., Navi- Mumbai.	2
2014-15	Cadila Healthcare Pvt Ltd Alchem Pvt. Ltd Dept. of clinical pharmacology, TNMC AND BYL. Nair Charitable Hospital, Mumbai	6
2013-14	Cadila Healthcare Pvt. Ltd Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Mumbai B. J. Medical College Pune	6
2012-13	Macleods Pharmaceutical Ltd, Mumbai	1

Role of faculty in facilitating such projects

- The topics for the dissertation are assigned to the students by the Guide, a recognized Postgraduate Teacher, based on their acumen, within one month of the beginning of second semester.
- Faculty routinely monitors the progress of project work through synopsis, literature survey and by conducting seminars on the topic of project work.
- Faculty helps student to avail the facilities required for completion of their project work.
- Faculty promotes students to present / publish their project work in various national and international conferences and journals of repute.

2.3.14 Does the institution have a well-qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

Yes, the institution has a well-qualified and experienced pool of human resource to meet the requirements of the curriculum.

2.3.15 How are the faculty enabled to prepare computer-aided teaching / learning materials? What are the facilities available in the institution for such efforts?

- Each faculty member has been allotted a latest configured Personal computer with internet access.
- The faculty members have free access to e-learning resources as well as online journals.
- Faculties have access to webinars, skype, YouTube.
- The classrooms are provided with in-built LCD projectors to make learning more logical and easy during theory classes.

2.3.16 Does the institution have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

Yes, the institution has a mechanism for the evaluation of teachers by the students wherein the Academic In-charge take periodic review of faculty from students as per the planner and gives suggestion for improvement if required accordingly. In addition to this, students fill the feedback forms to evaluate teachers at the end of semester/ year. If, the average marks scored by the faculty in the individual subjects are less than 60 out of 100, the principal directs the particular faculty personally to improve the quality of the teaching-learning process and thereby the result.

2.3.17 Does the institution use telemedicine facilities for teaching-learning processes? If yes, cite a few instances.

- NA

2.3.18 Does the institution utilize any of the following innovations in its teaching learning processes?

Yes, the institution utilizes following innovations in its teaching-learning processes for interactive and student centric learning

- ICT enabled flexible teaching system: The institute has developed ICT with upto date maintained computer laboratory. The students have free access to the computer laboratory. The entire campus is wi-fi enabled and the students make use of such resources to update their knowledge base.

- Reflective learning: The subject in-charge gives some logical assignments to students on topics taught to impart thorough knowledge to students. Z to A approach
- Simulations: The institute uses simulations/ software like Xcology and Ex pharm for demonstrating animal experiments in pharmacology. Molecular models to describe the stereochemistry.
- Problem based learning (PBL): Case Studies for M.Pharm
- Self-directed learning and skills development (SDL). Market research based practical designs, Free-lance techniques
- Student assisted teaching (SAT): Seminars and Quiz, Poster competition, Students debate, Exhibition on Patient counseling
- Emphasis on development of required skills, adequate knowledge and appropriate attitude to practice medicine: Hands on training on Biotechnology techniques. Certificate courses in IPR, Product Management, Pharma Marketing, Pharmacovigilance, hands on training on Mini Tab software for QbD, cGMP, QA/QC.

2.3.19 Does the institution have an Electronic Medical Records facility, staffed by trained and qualified personnel? Is it used for teaching-learning process?

- NA

2.3.20 Does the institution have well documented procedures for case sheet writing, obtaining informed consent and the discharge process of the patients?

- NA

2.3.21 Does the institution produce videos of clinical cases and use them for teaching-learning processes?

- NA

2.3.22 Does the institution perform medico legal/post-mortem procedures with a view to train the undergraduate and post-graduate students in medico legal procedures?

- NA

2.3.23 Does the institution have drug and poison information and poison detection centres? How are these used to train the students?

- NA

2.3.24 Does the institution have a Pharmacovigilance / Toxicology centre /clinical pharmacy facility / drug information centre/Centre for disease surveillance and

control/ Prevention through Yoga/Promotion of positive health/Well-equipped Psychology Laboratory/ Naturopathic diagnostic centre, etc.?

➤ NA

2.3.25 Laboratories / Diagnostics

- How is the student's learning process in the laboratories / diagnostics monitored? Provide the laboratory time table (for the different courses).
- Student staff ratio in the laboratories / diagnostics.
- During practical in laboratories, students attendance and performance is continuously monitored. Subject incharge regularly maintains attendance record of all the students in attendance sheet and students' performance during practical in laboratory is recorded on daily performance sheet duly signed by subject incharge. Performance is evaluated as marks obtained during routine practical as follows:

Table 2.3.4: Performance Evaluation in Practical

Sr no	Particulars	Marks obtained
1	Referencing	02
2	Experimentation	04
3	Interpretation	04
4	Viva-voce	02
	Total	12

Table 2.3.5: Laboratory Time Table/ Lab Occupancy schedules

LABORATORY OCCUPANCY PHARMACEUTICS LAB-1						
Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday(T)
9.30 am -10.30 am	---	---	Pharmaceutics	---	---	---
10.30 am - 11.30 am	---	---	---	---	---	---
11.30 am - 12.30 pm	---	---	---	---	---	---
Lunch Break						
1.00 p m - 4.00 pm (Practical)	---	---	P.P. -II -A	---	---	---
	---	P.P. -II-B	---	---	---	---
	---	---	---	P.P. -II-C	---	---

**LABORATORY OCCUPANCY
PHARMACEUTICS LAB-2**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday(T)
9.30 am -10.30 am	---	---	Ind.Pharm. . II-A	---	---	---
10.30 am - 11.30 am	---	Ind.Pharm. II- B	---	---	---	---
11.30 am - 12.30 pm	Ind.Pharm. II- C	---	---	---	---	---
Lunch Break						
1.00 p m - 4.00 pm (Practical)	---	ADDS-A	---	---	Cosmetic Sci. - A	---
	---	Cosmetic Sci - B	---	ADDS-B	---	---
	ADDS-C	---	Cosmetic Sci.- C	---	---	---

**LABORATORY OCCUPANCY
PHARMACEUTICS RESEARCH LAB**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday(T)
9.30 am - 12.30 pm	Research Work	Research Work	Formulation and Development	Research Work	Research Work	Research Work
Lunch Break						
1.00 p m - 5.00 pm	Research Work	Research Work	Formulation and Development	Research Work	Research Work	Research Work

**LABORATORY OCCUPANCY
PHARMACEUTICS MICROBIOLOGY LAB**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday(T)
9.30 am -10.30 am	---	---	---	DFD -A	---	---
10.30 am - 11.30 am	---	---	DFD -B	---	---	---
11.30 am - 12.30 pm	---	---	---	---	DFD -C	---
Lunch Break						
1.00 p m - 4.00 pm (Practical)	---	---	---	---	---	---
	---	---	---	---	---	---
	---	---	---	---	---	---

**LABORATORY OCCUPANCY
HUMAN ANATOMY AND PHYSIOLOGY LABORATORY**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday(T)
9.30 am -10.30 am	HAP-II -A	---	---	---	---	---
10.30 am - 11.30 am	---	HAP-II B	---	---	---	---
11.30 am - 12.30 pm	---	---	HAP-II -C	---	---	---
Lunch Break						
1.00 p m - 4.00 pm (Practical)	Path & Clin. Biochem- A	---	---	---	Path & Clin. Biochem- B	---
	---	---	---	---	---	---
	---	---	Path & Clin. Biochem- C	---	---	---

**LABORATORY OCCUPANCY
PHARMACOLOGY LABORATORY**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday(T)
9.30 am - 10.30 am	---	P.cology-III -A	---	---	---	---
10.30 am - 11.30 am	P.cology-III-B	---	---	---	---	---
11.30 am - 12.30 pm	---	---	---	P.cology-III -C	---	---
Lunch Break						
1.00 p m - 4.00 pm (Practical)	---	---	---	P.cology-V -A	---	---
	P.cology-V -B	---	---	---	---	---
	---	---	---	---	P.cology-V -C	---

**LABORATORY OCCUPANCY
PHARMACY PRACTICE-1 LABORATORY**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.30 am – 12.30 pm (Practical)	Med. Biochem	HAP	--	PIC	POC	--
Lunch Break						
1.00 pm -2.00 pm	---	---	---	---	---	---
2.00 pm -3.00 pm	---	---	---	---	---	---
3.00 pm -4.00 pm	---	---	---	---	---	---

**LABORATORY OCCUPANCY
PHARMACY PRACTICE-2 LABORATORY**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.30 am – 12.30 pm (Practical)	---	---	---	P.Cog I -C	---	---
Lunch Break						
1.00 pm -2.00 pm	---	---	---	---	---	---
2.00 pm -3.00 pm	---	---	---	---	---	---
3.00 pm -4.00 pm	---	---	---	---	---	---
4.00pm-5.00 pm	---	---	---	---	---	---

**LABORATORY OCCUPANCY
PHARMACOGNOSY LABORATORY**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.30 am -10.30 am	Natural Pro. III-A	P.Cog I -A	--	--	--	--
10.30 am - 11.30 am	--	--	Natural Pro. III-B	--	P.Cog I -B	--
11.30 am - 12.30 pm	--	--	--	Natural Pro. III-C		
Lunch Break						
1.00 p m - 4.00 pm (Practical)	--	P.Cog & Phyto-II-A	--	--	--	--
	--	--	P.Cog & Phyto-II-B	--	--	--
	P.Cog & Phyto-II-C	--	--	--	--	--

**LABORATORY OCCUPANCY
PHARMA CHEMISTRY-1**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.30 am -10.30 am	--		POC-II A	---	---	---
10.30 am - 11.30 am	--	POC-II-B	---	---	---	---
11.30 am - 12.30 pm	POC-II-C	---	---	---	---	---
Lunch Break						
1.00 p m - 4.00 pm (Practical)	---	POC-II A	---	---	---	---
	POC-II B	---	---	---	---	---
	---	---	---	---	POC-II C	---

**LABORATORY OCCUPANCY
PHARMACHEMISTRY-2 LABORATORY**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.30 am -10.30 am	Med. Chem-III -A	--	--	--	--	--
10.30 am - 11.30 am	--	--	--	Med. Chem-III -B	--	--
11.30 am - 12.30 pm	--	Med. Chem-III -C	--	--	--	--
Lunch Break						
1.00 p m - 4.00 pm (Practical)	Medchem IV -A	--	--	--	--	--
	--	--	Medichem IV - B	--	--	--
	--	--	--	--	Medi. chem IV-C	--

**LABORATORY OCCUPANCY
PHARMA ANALYSIS-1 LABORATORY**

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.30 am -10.30 am	--	--	--	PA-III-A	PA I-A	--
10.30 am - 11.30 am	--	--	PA I -B	--	PAIII-B	--
11.30 am - 12.30 pm	PA I -C	--	PA-III-C	--	--	--
Lunch Break						
1.00 p m - 4.00 pm (Practical)	--	--	P.A-IV-A	--	PA II -A	--
	--	PA-IV-B	PA II-B	--	--	--
	PA II-C	--	--	PA-IV-C	--	--

Student staff ratio in the laboratories: The student staff ratio in the laboratories during practical is 20:1

2.3.26 How many procedures / clinical cases / surgeries are observed, assisted, performed with assistance and carried out independently by students in order to fulfill learning objectives?

➤ NA

2.3.27 Does the institution provide patients with information on complementary and alternative systems of Medicine?

➤ NA

2.3.28 What are the methods used to promote teaching-learning process in the clinical setting?

- NA

2.3.29 Do students maintain log books of their teaching-learning activities?

- Yes, students maintain log books (practical journal) and note book theory notes) as a record of their teaching-learning activities.

2.3.30 Is there a structured mechanism for post graduate teaching-learning process?

Yes, the institute follows a structured mechanism for post graduate teaching-learning process which is directed and mandatory as per course structure of SPPU.

ICP has one PG program (M. Pharm.- Pharmaceutics) which is affiliated to SPPU and approved by PCI with an intake of 15. The teaching learning is monitored by academic monitoring committee and HOD. To guide the students we have well qualified and experienced recognized post graduate teachers.

2.3.31 Provide the following details about each of the teaching programs:

- Number of didactic lectures: Lectures are conducted as per guidelines of SPPU.
- Number of students in each batch

Table 2.3.6: Number of lectures and Number of students in each batch

Programs	Number of didactic lectures		Number of students in each batch
	Theory	Practical	
B. Pharm (2008 pattern)	3 hrs / week for each subject	3 hrs / week for each subject	Maximum 25
B. Pharm (2013 pattern)	3 hrs / week for each subject	3 hrs / week for each subject	Maximum 25
B. Pharm (2015 credit system)	3 hrs / week for each subject	3 hrs / week for each subject	Maximum 25
M. Pharm (2013 pattern credit system)	04 credits	04 credits	Maximum 25
Pharm. D.	3 hrs / week for each subject	3 hrs / week for each subject	Maximum 30

2.4 TEACHER QUALITY

2.4.1 How does the institution plan and facilitate its faculty to meet the changing requirements of the curriculum?

Faculty is the backbone of the educational system and is the strongest pillar of ICP. They are the one's who's dedication and integrity makes the institution achieve the desired goals. The institution plans various activities to facilitate faculty development to help them meet with the changing requirements of the curriculum as follows:

- The institution organizes various faculty development programs (FDP's) to make the faculty members tune to the current national and international scenario.
- The institution encourages all the faculty members to attend national and international seminars/ conferences, workshops, faculty development programs.
- The institute organizes SPPU sponsored seminar/ conferences wherein reputed speakers from industry and academia are invited to interact with faculty to upgrade their knowledge in recent trends in pharma world.
- Institute organizes collaborative self-structured training programs for faculty.
- The institute sends the faculty for training in various industries to upgrade their technical acumen.

2.4.2 Does the institution encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

Yes, the institution encourages diversity in faculty recruitment. The details are as follows:

Table 2.4.1: Diversity in faculty recruitment

Department	% of faculty from the same institution	% of faculty from other institutions within the State	% of faculty from institutions outside the State	% of faculty from other countries
Pharmaceutics	0	26	4	0
Pharm Chemistry	0	22	13	0
Pharmacology	0	9	4	0
Pharmacognosy	0	9	4	0
Pharm D	0	4	4	0
Total	0	70	30	0

2.4.3 How does the institution ensure that qualified faculty are appointed for new programs / emerging areas of study? How many faculty members were appointed to teach new programs during the last four years?

The institute is approved by AICTE and PCI and affiliated to SPPU, So, the institute adheres to the norms by AICTE, PCI and SPPU for appointing qualified faculty. For the selection and appointment of permanent faculty, SPPU staff selection committee interviews the candidates and then they are appointed as per the norms. The institute has not started any new course in the last four years.

2.4.4 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the institution?

The institute has appointed few Visiting Professors. Also, based on the requirement, the reputed and highly experienced expertise speakers from academia and industry are invited to deliver lectures on the emerging areas.

The institute has following visiting faculty members:

1. Dr. Suniti Gore
2. Ms. Deepa Warriar

ICP is planning to appoint the adjunct faculty from the next academic year i.e.2017-18.

2.4.5 What policies/systems are in place to academically recharge and rejuvenate teachers? (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)

The institution has following policies to encourage the teachers for academic excellence:

➤ **Research grants:**

The faculty members are encouraged to apply for various research grants to develop research approach in them by providing them appreciation in terms of incentives from the amount received from funding agency. Till date the institution has received research grant of approximately Rs. 26 lakhs as per following details:

Table 2.4.2: Details of research grants received by faculty

Name of the faculty member	The Project	Funding Agency	Amount (Rs.)	Status
Dr.(Mrs.) Anagha Joshi.	Development & evaluation of a novel wound healing herbal formulation.	BCUD, University of Pune	2,00,000/-	Completed
Mr. Dayanand Kannur.	Investigation of Indian Medicinal plants for evaluation of Adaptogenic and Antihyperlipidemic activity.		3,00,000/-	Completed
Mrs. Suvarna Ingale	Neuro-pharmacological study of different parts of <i>Passiflora incanata</i>		2,00,000/-	Completed
Dr. Abhijit Gothoskar	Effect of alcoholic beverages on drug release pattern of sustained release dosage forms.		2,00,000/-	Completed
Mrs. Prerana Dongare	Development formulation and Pharmacological investigation of nasal herbal formulation		2,00,000/-	Completed
Mr. Ramesh Katedeshmukh	Effect of solubility of drug excipients on drug release from Chitosan matrix		2,00,000/-	Completed
Mrs. Vishakha Hastak	Formulation & Evaluation of Anti dandruff herbal gel		2,00,000/-	Completed
Mr. Yogesh Pawar	Solubility enhancement of Etodolac by various approaches.		2,00,000/-	Completed
Mrs. Manasi Wagdarikar	Media optimization, production, characterization and purification of therapeutic enzyme and to develop and		2,80,000/-	Completed

	validation of analytical techniques for qualitative and quantitative estimation of the same in crude form and in formulation.			
Dr. Suvarna P. Ingale	Evaluation of anti-asthmatic activity of some Indian medicinal plants	BCUD Savitribai Phule Pune University	2,20,000/-	ongoing
Mrs. Prerana P. Dongre	Development and standardization of herbopathic Formulations		1,60,000/-	ongoing
Mr. Dayanand Kannur	Development and standardization of digestive and expectorant dosage forms based on Ayurvedic Churna and Chattan		1,40,000/-	ongoing
Dr.(Mrs.) Anagha Joshi.	A novel method for analyzing release and permeation profile of a drug when co administered with medicated wines containing one or more ingredients of Trikatu		1,40,000/-	ongoing

➤ **Study leave**

The institution provides study/ Ph. D. leaves to the faculty members to upgrade their qualification (Ph. D.). Till date following faculties has taken advantage of study/ Ph. D. leaves to complete their Ph.D.

Table 2.4.3: Faculties who has taken advantage of study/ Ph. D. leaves to complete their Ph.D

Name of the faculty member	Place of research work	Status
Dr. Suvarna Ingale	JNTU, Hyderabad	Completed
Dr. Dayanand Kannur.	JNTU, Hyderabad	Completed
Dr. Ramesh Katedeshmukh	Shivaji University	Completed

Mr. Yogesh Pawar	PRIST University, Tamilnadu	Pursuing
Mr. Amir Shaikh	PRIST University, Tamilnadu	Pursuing
Mrs. Manasi Wagdarikar	PRIST University, Tamilnadu	Pursuing
Mrs. Prerana P. Dongre	Savitribai Phule Pune University, Pune	Pursuing

In addition to study leave policy, the institution also has lien leave policy. According to this lien policy, any faculty members who wish to upgrade their knowledge / qualification can avail the lien. Till date following faculty members has availed lien for up gradation of their qualification / expertise.

Table 2.4.4: Faculties who has taken advantage of lien leave policy

Name of the faculty member	Place of work	Status
Mrs. Prerana Dongre	Diwan IPR Services	Qualified patent agent exam. Worked at in IPR and regulatory affairs

➤ **Nomination to national/international conferences/seminars:**

The institute nominates faculty members from different departments to attend various national/international conferences/seminars to update their knowledge. The institute provides on duty leave to these faculties to encourage them to present their research work at various national/international conferences. The institute reimburses registration fee to the faculty for attending such events. Till date various faculty members has availed on duty leave to attend national/international conferences/seminars as follows:

Table 2.4.5: National/international conferences/seminars attended by faculty

Sr. No.	Name of the faculty	No of seminar/ conferences attended
1	Dr. Anagha Joshi	20
2	Dr. Dayanand Kannur	16
3	Dr. Madhur Kulkarni	25
4	Dr. Suvarna P. Ingale	27
5	Dr.Ramesh G. Katedeshmukh	11
6	Mr. Shaikh Amir A.	13
7	Mr. Shrinivas P. Patil	4
8	Pawar Yogesh D.	26

9	Pranita Shankaratti	3
10	Prerana P. Dongre	4
11	Roopal Bhat	2
12	Shraddha Devarshi	5
13	Tejaswini kakade	4
14	Wagdarikar Manasi J.	13
15	Walvekar Amruta	6

➤ **In-service training:**

The institute encourages the faculty members to undergo In-service training to make them expertise in their job responsibilities.

Table 2.4.6: In-service training programs attended by faculty

Sr. No.	Name of faculty	In-service training attended
1.	Dr. Suvarna Ingale	one day training programmer on ‘Examination Procedure’ at AISSMS College of Pharmacy,Pune in association with University of Pune
2	Dr. Suvarna Ingale	one day workshop on outcome based education and accreditation at College of Engineering, Pune
3	Ms, Archana Karnik, Mr. Sunil Kakad, Ms. Mauli Shah	J.B. Chemicals Pvt. Ltd. On API synthesis process technology.
4	Dr. Dayanand Kannur	HPTLC hands on training program organized by Anchrom Instruments Pvt. Ltd.
5	Dr. Madhur Kulkarni, Ms. Vishakha Hastak, Mr. Yogesh Pawar, Mr. Amir Shaikh	ACG world technologies – on site one day training and one day training program on “ a step towards quality by design
6	Ms. Archana Karnik and Ms. Mansi Wagdarikar	ISTE Approved one week short term training programme on analytical instrumentation.

➤ **Organizing national/international conferences**

The institute organizes various seminar/ conferences wherein reputed speakers from industry and academia are invited to interact with faculty to upgrade their knowledge in current developments in pharma world. The details are as follows:

*National Conference on
Emerging trends in Pharma Industry
24th and 25th January 2014*

Speaker	Topic of Seminar	Designation/ Organization
Mrs. Sandhya Shenoy	Generic Product development in regulated market	Sr. GM, Pharmaceutical Technology Centre - Mumbai, Cadila Healthcare Limited
Dr. Sambhaji Pisal	Innovations in vaccines	Sr. Scientist , Serum Institute of India, Pune
Dr. Dnyandeo Rane,	Polymorphism, Preformulation studies	R & D Head ,Optimus Pharmaceuticals, Hyderabad
Mr. Sougata Pramanick	Bridging the gap between Industry and academia	R&D (Formulations), Emcure Pharmaceuticals, Pune.
Dr. Evans Coutinho	Molecular Modeling – A Birds Eye View	Professor , HOD, Pharmaceutical Chemistry Bombay College of Pharmacy, Mumbai.
Dr. Chirag Trivedi	Pharmacovigilance	Deputy Director – Project Management and Strategic Initiatives in the Clinical Study Unit of Sanofi, India

*National Conference on
Bridging the gap between Industry and Academia: A challenge!
6th and 7th February 2015*

Speaker	Designation/ Organization
Mr. Subodh Priolkar,	Managing Director- South Asia, Colorcon Pvt Ltd
Dr. Vijay Patil	Senior associate Director, Wockhardt research Centre, Aurangabad
	Pharma HR Meet & Panel Discussion
Dr. Thomas Mueller	Managing Director, AUXILIFE Scientific Services Pvt. Ltd., Pune
Mr. Sachin Umalkar	Director, Acclimate Pharmaceuticals, Ltd, Pune
Mr. Uday Borde	Director, RUV Pharma, Pune
Mr. Suresh Jain	Senior Manager - H R, Emcure Pharmaceuticals Ltd., Pune
Mrs. Anagha Chaphalkar	Human Resources, Cytel, Pune
Mr. Vinit Jhamawar	Human Resources, L'Oréal India, Pune
Dr. Sanjay Boldhane	Associate Director – IDDR, Abbott Healthcare Pvt. Ltd
Dr. Ameeta Karnik	Technical Director, Pelltech Healthcare
Mrs. Sonali Gujar	General Product Quality Manager, Johnson & Johnson Ltd.
Mr. Ashish Bhattiwale	Director – Pharma Operations, Virchow Labs Ltd.
Mr. R. B. Joshi	Asst. Commissioner , Maharashtra FDA.

Savitribai Phule Pune University sponsored National Conference on Quality by Design: A breakthrough pathway for effective product life cycle management & n 22nd & 23rd January 2016 (QbD 1 (1).jpgQbD 1 (2).jpgQbD 1 (3).jpg)

Speaker	Designation/ Organization
Dr. Bhupinder Singh Bhoop	Chairman and Dean – UDPS, Panjab University, Chandigarh
Dr, Serwar Beg	Research Fellow, Panjab University
Dr. Naveen Ahuja	Head- QBD, Lupin Research Park, Pune
Dr. Rahul Aware	Technical Manager, ACG Technologies Ltd
Mr. Shailesh Laul	Vice President, Glenmark Pharmaceuticals, Goa
Mr. Mahesh Fueky	Director – R &D, Lupin Research Park, Pune
Dr. Abhijeet Gothoskar	Global Product development consultant
Mr. Bimal Kumar Kesh	Training Manager, Q Sutra, Minitab

Savitribai Pule Pune University Sponsored National Conference on Leveraging of IPR for Opportunities in Pharma Industry state level competition –"Pharma Talent Quest" on 10th and 11th February, 2017

Speaker	Designation/Organization
Dr. Mohan G. Kulkarni	Emeritus Scientist, CSIR, Unit for research and Development of Information Products (URDIP), Pune
Dr. Vijaya Desai	Associate Director, Lupin Ltd
Mrs. Shrividya Ravi	Patent Associate at Gnanlex Hermenetics vt.Ltd
Ms. Pallavi Kharkar	Founder of Ipram, Intellectual Property services
Dr. Sanjay Tamoli	CEO Abhinav Healthcare Products Pvt.Ltd.
Dr. Abhijeet Gothoskar	Pharma Consultant and Adjunct Professor, Maharashtra Institute of Pharmacy, Pune
Mrs. Sandhya Shenoy	Assoc. Vice President, FDC Ltd
Mrs. Aasiya Choudhary	Deputy Manager- Intellectual Property Enzene Biosciences Ltd. Pune

➤ **Research paper publications and poster presentations:**

The institution encourages the faculty to present their research ideas either in the form of poster or publication in reputed peer reviewed journal. Till date our faculty members have published their research papers in various national and international journal of repute as follows:

Table 2.4.7: Research paper publications and poster presentations by faculty

Sr. No.	Name of the Faculty	National Journal	International Journal	National Conference	International Conference
1	Dr. (Mrs.) Anagha Joshi	04	09	04	06
2	Mr. Ramesh Katedeshmukh	00	16	-	01
3	Dr. Mahesh Ghaisas	13	37	12	19
4	Mrs. Suvarna Ingale	05	21	03	06
5	Mr. Dayanand Kannur	01	12	06	14
6	Dr. (Mrs.)Madhur Kulkarni	03	04	10	05
7	Mrs. Vishakha Hastak	00	04	03	01
8	Mr. Subhash Kumbhar	00	12	05	02
9	Mr. Yogesh Pawar	00	12	21	04
10	Mrs. Manasi Wagdarikar	02	04	12	03
11	Mrs. Prerana Dongre	00	02	-	07
12	Mr. Amir Shaikh	00	13	27	10
13	Ms. Aditi Kulkarni	1	02	05	-
14	Ms. Shweta Malvankar	-	01	03	-
15	Ms. Rutuja Sonawane	00	02	02	-
16	Ms. Archana Karnik	02	05	-	-
17	Ms. Mauli Shah	-	01	01	-
18	Mr. Sunil Kakad	01	-	01	-
19	Mr. Shrinivas Patil	01	01	-	-
20	Ms. Deepa Warriar	02	02	03	-
21	Mrs. Tejaswini Kakade	01	07		

2.4.6 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

Many faculty members participated and presented their research papers in national and international level conferences and has grabbed awards as follows:

At International Conference on Advances in traditional Medicine

- Dr. Dayanand Kannur – winner of oral presentation competition in segment of Pharmacognosy
- Dr. Suvarna Ingale – runner up of poster presentation competition in Pharmacology segment
- Ms. Prerana Dongre – runner up of poster presentation competition in segment of Pharmacognosy and Phytochemistry

At Indira Pharma Zeal Poster presentation competition

- Ms. Manasi Wagdarikar– 1st Prize in Pharmaceutical Analysis category
- Mr. Subhash Kumbhar– 1st Prize in Pharmacology category
- Mr. Dayanand Kannur - 1st Prize in Pharmacognosy category

2.4.7 How many faculty members underwent professional development programs during the last four years? (add any other program if necessary)**Table 2.4.8: Details of professional development programs attended by faculty**

Faculty Development Programs	Number of faculty attended			
	2016-17	2015-16	2014-15	2013-14
Induction programs	--	--	--	--
Re-orientation programs (syllabus orientation)	01	00	00	04
Refresher courses (SPPU seminar)	00	01	02	00
Capacity building programs (SPPU conference)	09	18	15	14
Programs by regulatory / apex bodies (IPA, APTI, SFE programs)	02	02	01	00

2.4.8 How often does the institution organize academic development programs (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

The institution organizes various academic development as well as curriculum and teaching learning enrichment programs throughout the academic year.

These are delivered in the form of Guest Lectures and seminars by eminent academicians and Industry doyens.

The institution in collaboration with IPA has organized various lecture series for curriculum development like: IPA pharmacology lecture series 2013, IPA Pharmacognosy lecture series 2012

2.4.9 Does the institution have a mechanism to retain faculty? What is the annual attrition rate among the faculty?

Yes, the institute retains faculty based on their performance, contribution in college development, student feedback mechanism, with an aim to maintain professional and healthy academic atmosphere.

The annual attrition rate among the faculty is as follows:

Table 2.4.9: Annual attrition rate among the faculty

Academic year	Annual attrition rate (%)
2015-16	9.5
2014-15	5.0
2013-14	5.5
2012-13	12.0

2.4.10 Does the institution have a mechanism to encourage

- * **Mobility of faculty between institutions /universities for teaching/research?**
- * **Faculty exchange programs with national and international bodies?**

If yes, how have these schemes helped in enriching the quality of the faculty?

Yes, the institution encourages mobility of faculty between institutions for teaching and research.

- Various faculty members deliver lectures as resource person at different pharmacy colleges to exchange their subject knowledge.
- The institute has signed MOUs with D. Y. Patil College of Pharmacy, Akurdi, for exchange of faculty between the institutes to share their knowledge and expertise.
- The institute encourages faculty members to carry out collaborative research projects with faculties from other institutes/organizations.
- The institute promotes faculty members to participate and gain experience in different portfolios in various national and international opportunities

2.4.11 Does the institution have well defined career advancement policy for Health Science professionals? If yes, outline the policy.

The institute has well-defined career advancement policy for the faculty members. Some of the policies are:

- The faculty members are internally promoted to higher designations.
- The faculty members are motivated and supported to gain the higher education (Ph.D).
- The faculty members who upgrade their educational qualifications are benefited by giving advanced increments or by revising the pay scales.

2.4.12 How does the institution create synergies with other PG institutes for generating required number of specialists and super specialists?

- NA

2.4.13 Does the institution conduct capacity building programs / courses in subspecialties for its faculty?

The institution organizes various capacity building programs for the faculty members.

These are delivered in the form of Guest Lectures and seminars by eminent academicians and Industry doyens.

Table 2.4.10: List of Capacity Building Programs -conferences

Academic year	Conferences
2016-17	Leveraging of IPR for Opportunities in Pharma. Industry on 10 th and 11 th February, 2017
2015-16	Quality by Design: A breakthrough pathway for effective product development 22 nd & 23 rd January 2016
2014-15	Bridging the gap between Academia and Industry: A challenge! 6 th & 7 th February 2015
2013-14	“Emerging Trends in Pharma Research” 24 th & 25 th January 2014, IPA Pharmacology Lecture series on 21 th November 2013
2012-13	Clinical Research – Past, Present & Future On 28th February & 1st March 2013 IPA Pharmacognosy Lecture series on 11 th Jan 2012

Table 2.4.11: List of Capacity Building Programs-Guest lectures

Sr. No	Date	Topic	Resource person	Organization
2013-14				
1.	20/05/2013	Statistical quality control & quality control in manufacturing	Dr. Sudhir Pandya	Nulife Pharmaceuticals, Pimpri
2.	29/06/2013	Osmotic delivery system & hydrophilic matrices	Dr. Jayesh Parmar	Formulation manager, Colorcon Pvt. Ltd.
3.	04/07/2013	Scope in Pharma management	Ms. Merlin Fernandes	Executive administration, Career Versity, Pune
4.	29/07/2013	Intrinsic facets of marketing and sales	Mr. Pradeep Khose	Sales manager, Troikaa Pharmaceuticals Ltd, Mumbai
5.	10/10/2013	Industrial applications of analytical techniques	Dr. R. K. Nanda	Emeritus Professor, Pad. Dr. D.Y. Patil Institute of Pharmaceutical Sciences & Research, Pune
6.	25/10/2013	IT enabled services to Pharma	Mr. Arjun GuhaThakurta	Director- Operations, Life Science Consulting Pvt. Ltd.
7.	20/10/2013	Health and nutrition in youth	Dr. SeemaSonis	Practicing Nutritionist
8.	22/11/2013	Entrepreneurship awareness camp	Mr. Avinash Kulkarni	CEO-PAN Health Inc.
9.	20/12/2013	M. pharm as career option	Mr. P.Padma Kumar	GPAT Tutor.com
10.	11/01/2014	Interactive session	Mr. Shridhar Joshi	MD-JB Chemicals

11.	08/03/2014	NCE Products	Dr. Kaustubh Tambwekar	General product development Manager, Janssen, Mumbai
12	08/03/2014	Introduction to QBD	Mr. Rajan Gopal	Senior manager, Janssen, Mumbai
2014-15				
1.	6/8/2014	Pharmacovigilance	Mrs. Indrani Kakade	Director Operations, Cognizant Life sciences, Mumbai
2.	9/9/2014	Career opportunities in pharmacy management	Mr. Sagar Joshi	Deputy Manager, International Business, Alkem
3.	12/08/2014	Challenges and opportunities in Pharmacy management	Dr. Mahesh Burande	Principal, Siddhant College of Pharmacy, Pune
4.	13/08/2014	Careers in Clinical research	Mrs. Manjiri Joshi	Director, UKATT Consultancy Services, Pune
5.	18/08/2014	Career avenues in Pharmaceuticals	Mr. Aditya Kulkarni	Quality Coordinator, Aesica Pharmaceuticals, Kent, UK
6.	02/09/2014	Automation in Pharmaceutical industry and achieving 6 Sigma in Pharmacy	Mr. Shailesh Laul	Vice President Manufacturing, Glenmark Generics Limited, Goa.
7.	19/11/2014	Overseas Education	Mr. Bharat Ketkar	Personal Motivator and consultant, Pune
8.	28/01/2015	Opportunities in Pharmaceutical industry	Dr. Vrushali Waknis	Research investigator, Bristol Myers Squibb Company, New Jersey, USA

9.	04/03/2015	Drug regulatory Affairs for Post Graduate Students	Mrs. Bhavika Tambavekar	Independent Consultant, Drug Regulatory Affairs, Mumbai
10.	20/03/2015	Drug regulatory Affairs for Graduate & Post Graduate Students	Mrs. R. B. Joshi	Independent Consultant, Drug Regulatory Affairs, Pune
11.	07/04/2015	Drug regulatory Affairs for Post Graduate Students	Mrs. R. B. Joshi	Independent Consultant, Drug Regulatory Affairs, Pune
2015-16				
1.	25/2/2016	Nanoliposomal delivery development for treatment of Alzheimer disease	Dr. Medha Joshi	Assistant Professor
2	24/2/2016	Safety evaluation of cosmetic products	Dr. Suresh Kumar	Manager, Johnson and Johnson Ltd.
3	6/11/2015	Active pharmaceutical ingredient technology	Dr. Parag Gatne	R & D Manager, USV Ltd.
4	25/9/2015	Enhancing Industry Readiness	Mr. Hemant Deshpande	CEO and Managing Partner, Pollux Supply Chain Solutions
5	23/9/2015	Global scope for herbal drugs	Dr. Sunita Belgamwar	Co-ordinator, Maharashtra AYUSH industry cluster.
6	23/9/2015	Disaster Management	Mr. Dandekar	Ex. Principal M.I.T. Schools, Pune
7	28/8/2015	New Drug Discovery	Dr. Vadlamudi Rao	President IPA, Director-St. Peter's Institute of Pharmaceutical Sciences

8	21/8/2015	Importance of Yoga and fitness in current lifestyle	Dr. Nitin Unkule	Founder Director, Kaivalya Yoga Institute
9	17/8/2015	Therapeutics uses of snake venoms and toxins from insects	Dr. Graham Nickolson	Professor and Dean, University of Technology Sydney, Australia
2016-17				
1.1	24/3/2017	Mind Gym workshop for undergraduate students	Mrs. Dipti Panhalkar	Soft Skills Trainer
2	27/2/2017	Studying and Working Abroad	Mr. Pratik Thakre	Marketing Head
4	7/11/2016	Regulatory aspects of bulk drug manufacturing	Dr. Parag Gatne	R & D Manager, USV Ltd.
5	22/9/2016	Disaster Management	Mr. Anil Dandekar	Ex. Principal M.I.T. Schools, Pune
6	13/8/2016	Breast Cancer Awareness	Dr. Shona Nag	Head of Oncology Department Jahangir Hospital, Pune
7	19/06/2016	Importance of Enzymes in Therapeutics and Diagnostics	Dr. M.R. Chaudhari	Associate Professor, Bharati Vidyapeeth College of Pharmacy
8	12/12/2016	Role of clinical pharmacist in patient care	Dr. Ravindra Ghooi	Consultant
9	7/01/2017	Scope and potential after pharmacy - galaxy of job opportunities and careers for Pharm D	Dr. Mahesh Bhurande	Director, Institute For Pharmaceutical Education And Research

2.5 EVALUATION PROCESS AND REFORMS

2.5.1.1 How does the institution ensure that all the stakeholders are aware of the evaluation processes that are in place?

- Staff, students and parents are the major stakeholders of institute who should be aware of the evaluation process implemented by institute.
- As the institute is affiliated to Savitribai Phule Pune University, it is mandatory for the institute to follow the examination and evaluation procedures laid down by SPPU.
- SPPU publishes the course structure of the program on website (<http://www.unipune.ac.in>) through which the detailed guidelines about scheme of examination, marking and evaluation system and passing criteria has been made available to all the stakeholders i.e. affiliated colleges, Staff, students and parents.
- In addition the institute also communicates the same information to their staff and students through induction program. At the start of new academic year, the institute organizes induction program for newly admitted students and their parents. During induction program, the academic incharge and examination section incharge College Examination Officer (CEO) explain the new students and their parents the detailed guidelines about scheme of examination, marking and evaluation system and passing criteria. Any change in the marking system and evaluation criteria is communicated to students and staff time to time through notices and email.
- SPPU has also started with separate portal for examinations (<http://exam.unipune.ac.in>) on which the university provides guidelines, information and help to students and staff (college). On this portal, students are made aware of all examination related matters such as Schedules, Timetables, Seating Arrangement, Exam Forms Online, Results, Photocopy & Revaluation, Unfair means (Copy case), Contact Details for Various Online Applications, Certificates, Ordinance of Exams, Syllabus, Previous Question Papers, Manual Exam Forms. The college has been provided with separate login through which college staff can access confidential circulars for smooth conduct and evaluation of examinations.
- The institute has constituted college examination committee which takes care of all examination related work at institute level. As per university directives, the institute appoints one of the approved faculty as college examination officer (CEO). CEO communicates all changes and exam related matters to staff and students through notices and emails.

- The college examination committee prepare tentative schedule of internal sessional examinations based on the schedule displayed by the SPPU. This tentative schedule of examination is displayed on notice board of exam section as well as displayed on institute website for information to students and staff.
- After completion of internal sessional examinations, the respective subject in-charge evaluates the answer sheets as per guidelines of Principal and CEO and are shown to students during which students are explained how the answer sheets are evaluated. The consolidated mark sheets of internal sessional examinations are displayed on noticeboard of exam section and also get signed from students. The parents are informed about internal sessional marks after every sessional examination by letters.

2.5.2 What are the important examination reforms implemented by the institution? Cite a few examples which have positively impacted the examination system.

The institute is affiliated to the SPPU and the examinations are conducted strictly as per the norms of the university.

Taking into Consideration the diverse student population, syllabus needs and our vision to achieve academic excellence, we have implemented following reforms.

- For the B. Pharm (2013 pattern) course the internal sessional examination is prescribed of 20 marks, but we have conducted it for 40 marks to cover the syllabus in depth.
- The faculty rotation system is implemented for the conduct of internal practical viva-voce.
- To improve the performance of slow learners in challenging subjects, extra tutorials, question bank discussions as well as assignments were conducted.

2.5.3 What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode adopted by the institution for the publication of examination results (e.g. website, SMS, email, etc.).

The average time taken by the University for Declaration of examination results is within 90 days to 120 days, after completion of university examinations. The university display first pass list on university web site and then send detail ledger of marks on confidential mail id of college. The college examination committee displays the results on examination notice board for student information.

2.5.4 How does the institution ensure transparency in the evaluation process?

- The college examination committee prepare time table of internal sessional examinations as well as in-semester continuous assessment at least 10 days before actual date of commencement of examination and display it on notice board of exam section for information to students and staff.
- The confidential invigilation schedule is also prepared and communicated to staff through notices.
- The respective subject in-charge submits signed manuscript of question paper to the examination section at least four days in advance.
- The CEO takes out prints of question paper manuscript 1 hr. before actual commencement of examination on the day of examination and hand it over to respective invigilator at the time of examination.
- The college has internal squad for sessional examinations. This internal squad maintains strict vigilance during the examinations to avoid any malpractice by the students.
- The respective subject in-charge evaluates the answer sheets within specified period which are shown to students during which students are explained marking system and how the answer sheets are evaluated.
- The objections/queries raised by students are solved by the senior faculty, Principal and CEO. After solving queries of students, the consolidated marksheet of internal sessional examinations is displayed on notice board of exam section.
- The marks of internal sessional exam are confirmed from students by getting their signature on marklist the same marks are then communicated to the parents and university.

2.5.5 What are the rigorous features introduced by the university to ensure confidentiality in the conduct of the examinations?

To ensure confidentiality in the conduct of the semester/annual theory examinations at institute's exam center, the university has introduced some important measures as follows

- The university appoints external senior supervisors, from other institutes and instructs the principal to appoint an internal senior supervisor from within the college. Under the supervision of these two senior supervisors strict vigilance is observed at exam center to avoid any malpractices by students.

- From the academic year 2012-13, the university has adopted Online Question Paper Delivery system for university question papers. The university uploads password protected question papers on Online Question Paper Delivery system one hour prior to commencement of examination. The password for downloading and opening the question paper is sent by university through SMS to pre-registered mobile numbers of principal and CEO only to maintain confidentiality of question papers. The CEO who also works as custodian as per guidelines of SPPU, downloads the question paper and take out prints in presence of external senior supervisor and seal them in an envelope under the CCTV surveillance. This sealed envelope is handed over to invigilator at the time of examination for distributing to the students.
- In addition to this, the university appoints Examination monitoring flying squads which visit the exam centers on the day of examinations and thereby avoid malpractices at the exam centers.
- After finishing examinations, the collected answer sheets are sealed in the envelope signed by external and internal senior supervisor and are submitted to Central assessment program (CAP) center.
- To ensure confidentiality in the conduct of the semester/annual practical examinations at institute's exam center, the university has introduced some important measure as follows
- The university appoints two examiners (internal and external examiner) for each subject who are directed to conduct practical examination at said exam center as per time table approved by exam coordinator.
- The marks obtained by students in practical examinations are entered in online marks entry portal of university on the same day and the hard copy of the same marks is sealed in envelope signed by both examiners.

2.5.6 Does the institution have an integrated examination platform for the following processes?

- **Pre-examination processes – Time table generation, hall ticket, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, online transmission of questions and marks, etc.**
- **Examination process – Examination material management, logistics, etc.**
- **Post-examination process – Attendance capture, OMR-based exam result, auto processing, result processing, certification, etc.**

According to the scheme of examination mentioned in the course structure, there are two types of exam (internal sessional exam and SPPU semester exam) to be conducted for every class/year and for every subject. Internal sessional examination related activities are completely monitored by college examination committee under the guidance of Principal and CEO. SPPU semester examination related activities are also conducted by college examination committee but as per instructions given by Controller of Examinations, SPPU under the guidance of Principal and CEO. The institution has an integrated examination platform for the following processes as per university rules and regulations of examinations.

Pre-examination processes

Internal sessional examination

- The college examination committee prepares time table of internal sessional examinations at least 10 days before actual date of commencement of examination and display it on notice board of exam section for information to students and staff.
- The confidential invigilation schedule is also prepared and communicated to staff through notices.
- The respective subject incharge submit signed manuscript of question paper to the examination section at least four days in advance.
- The CEO prints question papers 1 hr. before actual commencement of examination on the day of examination and hand it over to respective invigilator at the time of examination.
- The college examination committee prepares seating arrangement for examination.
- The attendance record of students who attended the exam is maintained by taking their signature on attendance sheet of each subject.
- The college has internal squad for sessional examinations. This internal squad

observes strict vigilance during the examinations to avoid any malpractice by the students.

SPPU semester exam

- The University (SPPU) display date of filling and submission of examination forms on online application System. The college examination committee display notice regarding the same on exam notice board along with exam form filling guidelines and collect duly filled exam forms along with generated fees. The challan of exam fees generated on online system is submitted to SPPU along with exam forms.
- The university (SPPU) prepares and displays the time table for SPPU Semester examinations.
- The university (SPPU) then uploads hall tickets of all students on confidential hall ticket portal from where the institute downloads the hall tickets and distribute to respective students.
- The university also uploads the detailed student summary subject-wise and year wise on university exam portal or send it by email to college.
- The college examination committee prepare confidential invigilation schedule and communicate to staff through notices.
- The university also appoints flying squads which visits the exam centers on the day of examinations and thereby avoid malpractices at the exam centers.
- The college examination committee maintains the attendance sheets in SPPU format as well as institute format to solve queries if any.
- From the academic year 2012-13, the university has adopted Online Question Paper Delivery system for university question. The university uploads password protected question papers on Online Question Paper Delivery system one hour prior to commencement of examination. The password for downloading and opening the question paper is sent by university through SMS to pre-registered mobile numbers of Principal and CEO only, to maintain confidentiality of question papers. The CEO who also works as custodian as per guidelines of SPPU, download the question paper and take out prints in presence of external senior supervisor and seal them in an envelope. This sealed envelope is handed over to invigilator at the time of examination for distributing to students.

Examination process**Internal sessional exam**

The college examination committee estimate requirements for internal examination materials like sessional theory and practical answer sheets and supplements, threads, registers for documentation, paper rims for question papers, etc. and raise purchase order to get the material. This examination material received from supplier is stocked in lock key in examination strong room.

SPPU semester examination

The college examination committee estimate requirements for SPPU semester examination materials like Main Answer-books, Supplement Answer-books, Practical Answer-books, Centimeter Graph Sheet, Examiners Receipt Forms, Junior Supervisors Admit Forms, Junior Supervisors Bill Forms, Attendance Statement of Junior Supervisors, Attendance Statement of Peons, Abstract of Junior Supervisors, Abstract of Peons, Posters(in red) giving instructions to candidates, Asstt. To Sr. Supervisors Bill Forms, Store Clerks Bill Forms, Log table, Statistical Table, Cloth Bags, Paper Bags, Senior Supervisors Bill Forms, Individual Principals Bill Forms send requirement to university through online portal. Such examination material received from university is stocked in examination strong room in sealed cupboards.

Post-examination process – Attendance capture, OMR-based exam result, auto processing, result processing, certification, etc.

Internal sessional examination

- The respective subject incharge evaluates the answer sheets as per guidelines of Principal and CEO within specified period which are shown to students during which students are explained marking system and how the answer sheets are evaluated.
- The consolidated Mark sheet of internal sessional examinations is prepared and displayed on notice board of exam section and are then communicated to parents.

SPPU semester examination

- The examiners appointed by SPPU evaluates the answer sheets at central assessment program center. CAP CENTER process the data of marks and send it to sppu where result sheet and mark sheet of each student with certification of class/grade awarded are generated and printed.
- The university then announces the result online and detailed ledgers along with Marksheet are sent to the respective institutes for distribution to students.

2.5.7 Has the university / institution introduced any reforms in its evaluation process?

The institution is affiliated to SPPU and follows the guidelines and norms for the evaluation process.

SPPU has implemented the Semester pattern for the B. Pharm. course from 2013 and Credit pattern from 2015. In the B. Pharm. 2015 pattern syllabus the SPPU has introduced the concept of “In- semester Continuous Assessment”. Out of the total 100 marks assigned for each head of passing (either theory or practical), SPPU conducts the “End semester assessment” for 60 marks and 40 marks are allocated for the “In- semester Continuous Assessment”.

In- semester assessment is of 40 marks which include 20 marks for theory and practical sessional and 20 marks for continuous assessment for theory and practical. In- semester assessment of 20 marks is continuous; the procedures and marks for theory and practical examination are as follows –

For theory and practical Examination – In-semester assessment for 20 marks is continuous and at least two tests are conducted for full course of 3 credits for theory and 2 credits for practical. The subject teacher can select from a variety of methods for examination such as :

- Written test and / or midterm test (not more than one or two for each course)
- Term paper
- Journal / Lecture / Library notes
- Seminar presentation
- Short Quizzes
- Assignments
- Extension work
- An open book test (with the concern teacher deciding what books are to be allowed for this purpose)
- Mini research project by individual learner or group of learners

The subject teacher in consultation with the head of Department can decide the nature of question for the test.

The SPPU has also introduced the ‘Concept of scaling’, which is applicable only for the marks obtained by the learners at all the individual courses.

Concept of scaling is applicable only in cases where the marks obtained by the learner in the Internal Assessment and Semester End Assessment Examinations differ by more than 20% in the course concerned i.e. percentage marks of the learner at a course in the Internal Assessment is 20% more than the percentage of marks scored by the learner concerned in the Semester End Examination in the course concerned.

- Learner at the course concerned in the Internal Assessment would be scaled down to 20% plus the percentage score of the learner at the Semester End Examination.
- The concept of scaling is applicable only in course/s where the learner has passed the course. In case if a learner fails in one or more courses at an attempt, then the concept of scaling shall be applied to the courses that the learner has passed at the attempt concerned and for the remaining courses where the learner has failed, the concept of scaling will be applicable as and when the learner passes the course or earns the credit for the course.
- The scaled marks can thus be used to calculate the Credits, Grades, Credit points earned by the learner can then be used to calculate the SGPA and CGPA.
- Concept of scaling is not be applicable where the percentage of the marks scored by the learner at the Semester End Examination is more than the percentage marks scored by the learner in the Internal Assessment at the course concerned. One of the reasons for the learner scoring low marks at the Internal Assessment could be nonappearance for one of the components of the Internal Assessment.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations? Give details.

Internal sessional examination

- The respective subject incharge evaluates the answer sheets as per guidelines of Principal and CEO within specified period which are shown to students during which students are explained marking system and how the answer sheets are evaluated and expected answers. The objections/queries raised by students are solved by principal, CEO and Senior faculty.
- The other queries related to examinations are addressed by CEO in coordination with the university officials.

SPPU semester examination

After declaration of results for semester examination, student who have complaints/ grievances with respect marks or evaluation in any subject for the may apply

for photocopy first within ten days from the declaration of result along with the requisite fees. After receiving photocopy of answer sheet, if a candidate find any discrepancies, he/she can apply for revaluation within ten days from the date of receipt of photocopy of answer book along with the requisite fees to the university.

2.5.9 Does the institution have a Manual for Examinations and if yes, does it specifically take cognizance of examination malpractices by students, faculty and non-teaching staff?

Yes, though the institute is affiliated to SPPU, it has developed its manual for examinations. The students are instructed not to indulge into any kind of malpractices and consequences if found guilty. The manual specifies ‘conduct of examination’ and accordingly students are instructed to remove footwear and not to carry anything except writing material and hall ticket in the examination hall. In the examination hall, pockets, hands and compass boxes or pouches are checked. Girl students are checked by lady faculty. The Faculty and nonteaching staff are explained the mechanism to report malpractices if any and are instructed to report such cases immediately.

2.5.10 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

The SPPU has started a confidential webmail communication system connected to various University departments, for the smooth functioning of the examination section.

SPPU introduced the “ExamOnline” system which facilitates the coordination between the Examination department of SPPU, its affiliated institutes and the students. Through the Exam online system of SPPU, the affiliated institutes can inward the examination forms of the students, generate the payment challans, enter the In semester marks etc.

The students can fill the Online examination forms, can fill up the Photocopy and Revaluation form online, can check the various schedules and time tables of the examination etc.

The College Examination Officer (CEO) is appointed by the affiliated institutes, who acts as the link between the affiliated institutes and the SPPU examination section. SPPU uploads the question papers of the examination on the confidential web portal and

the password for electronically distributed papers is sent to CEO of affiliated institutes, one hour before commencement of particular paper(s) / paper set(s), which eliminates the possibilities of the malpractices associated with the hardcopy of the questions papers.

2.5.11 What are the efforts of the institution in the assessment of educational outcomes of its students? Give examples against the practices indicated below:

- **Compatibility of education objectives and learning methods with assessment principles, methods and practices.**

Table 2.5.1: Educational Objectives, Learning Methods and Assessment

Educational Objectives	Learning Methods	Assessment (principles, methods and practices)
Thorough Subject Knowledge	<ul style="list-style-type: none"> ➤ Conduct of regular academics(Lectures and Practicals) ➤ Library and e-knowledge resources ➤ Guest lectures and seminars ➤ Assignment and projects ➤ Conduct of special drives 	<ul style="list-style-type: none"> ➤ In-semester continuous assessment. ➤ Sessional Examinations ➤ End semester examination ➤ Students Feedback ➤ Corporate Feedback ➤ Viva-voce
Practical Skill Development	<ul style="list-style-type: none"> ➤ Conduct of regular practicals ➤ Maintenance of record books ➤ Instrumentation handling ➤ Inculcate Good Laboratory Practices ➤ Design and conduct 	<ul style="list-style-type: none"> ➤ In-semester continuous assessment. ➤ Sessional Examinations ➤ End semester examination ➤ Students Feedback ➤ Corporate Feedback ➤ Viva-voce

	<p>practicals based on the current emerging topics</p> <ul style="list-style-type: none"> ➤ Hands on experience on various sophisticated techniques 	
Develop Professional Pharmacist	<ul style="list-style-type: none"> ➤ Industrial visit 	<ul style="list-style-type: none"> ➤ Industrial Visit Report
Inculcate research and Development acumen	<ul style="list-style-type: none"> ➤ Assign and execute various research projects ➤ Journal club activity ➤ Case studies ➤ Utilization well equipped pilot plant (IPL) ➤ Sessions on Research methodology 	<ul style="list-style-type: none"> ➤ Poster presentation, research paper publication ➤ Seminar presentation ➤ Filing of patents Regular evaluation of students through In-semester continuous assessment, Sessional and End semester examinations. ➤ Viva-voce
Develop Communication and Presentation skills	<ul style="list-style-type: none"> ➤ Seminar and Poster presentation ➤ Group Discussion ➤ Quiz ➤ Extra-curricular and Co-curricular activities 	<ul style="list-style-type: none"> ➤ Evaluation of students on the criteria like Presentation Skill, defense and technical know-how ➤ Student's achievements in Extra-curricular and Co-curricular activities

➤ **Balance between formative and summative assessments.**

Formative assessments for B. Pharm students is carried out by-

- ❖ Giving small assignments for each subject based on the chapter wise question bank.

- ❖ Conducting Regular viva during routine practical.
- ❖ Designing small activities /projects for better understanding the concepts.

Formative assessments for M. Pharm students is carried out by-

- ❖ Seminar presentations as part of their In Semester assessments
 - ❖ Evaluating day to day performance in the Lab.
- **Increasing objectivity in formative assessments.**
- The formative assessment is carried out to meet the objectives mentioned in course structure.
- **Formative (theory / orals / clinical / practical) internal assessment; choice based credit system; grading / marking.**

B. Pharm

- The institute follows evaluation system as per the scheme of Examination set by SPPU. The evaluation is done on the basis of internal and external examination (for 2013 Pattern) and on the basis of internal and external examination along with in-semester continuous assessment (2015 Pattern) as prescribed by SPPU. B. Pharm. 2013 pattern is based on 30:70 (Internal: External). B. Pharm. 2015 pattern is based on 40:60 (Internal: External).
- As per the University norms there is one sessional examination (20 Marks) per semester and two credit evaluations of 10 Marks each. The credit evaluations are so designed as to know the qualitative understanding of the students as well as ensuring and enhancing the optimum utilization of the knowledge resources.
- In-semester continuous assessment is carried out using specific Open Book tests, surprise tests as well as assignments and projects to evaluate their understanding and grip of the subject knowledge.

M. Pharm

- The evaluation is done on the basis of internal and external examination along with in-semester continuous assessment for 2013 Pattern as prescribed by SPPU. The evaluation pattern is based on 50:50 (Internal: External).
- As per the University norms there is one sessional examination (30 Marks) per semester (Sem I&II) and two credit evaluations of 10 Marks each. The credit evaluations are so designed as to know the qualitative understanding of the students as well as ensuring and enhancing the optimum utilization of the knowledge resources.

- In-semester continuous assessment (Sem I&II) is carried out using specific Open Book tests, Quiz, Seminar as well as assignments and projects to evaluate their understanding and grip of the subject knowledge.
- For Sem. III students are evaluated based on seminar (50 Marks) and research work (150 Marks). At the end of Sem. IV students are evaluated based on dissertation work and Viva-Voce (300 Marks).
- Calculation of CGPA, Grades and Credits is done by SPPU based on the marks obtained by the students.

Pharm D.

- The evaluation is done on the basis of internal and external examination as prescribed by SPPU. The evaluation pattern is based on 30:70 (Internal: External).
- As per the University norms there should be at least two internal sessional examination (30 Marks) and SPPU annual examination (70 marks) during each academic year.
- In the fifth year of pharm. D. course oral examination is conducted after completion of clerkship. In the sixth year of the course, every student shall be posted in constituent hospital for project work. The project work is evaluated by internal and external examiners.
- **Summative (theory / orals / clinical / practical).**
- **Theory – structure and setting of question papers – Essays, long answers, shorts answers and MCQs etc. Questions bank and Key answers.**

The institute is affiliated to SPPU, Pune and university conduct annual and semester examination as per the scheme of evaluation mentioned in course structure.

For B. Pharm 2013 pattern:

Each Theory paper is divided in 2 sections which should be attempted in separate answer sheet.

Table 2.5.2: pattern for University theory examination question paper

.Section –I		Head	Marks distribution
Q.1.	Long answers question (word limit 350 to 400 words)	10 marks (10 mark x 1 Qs, out of 2 Qs.)	
Q.2	Small answers questions – 3 marks (word limit 75 to 100 words)	15 marks (3 mark x 5 Qs, out of 7 Qs.)	
Q.3	Short answers questions – 5 marks (word limit 125 to 150 words)	10 marks (5 mark x 2 Qs, out of 4 Qs.)	
Section – II			
Q.4	Long answers question (word limit 350 to 400 words)	10 marks (10 mark x 1 Qs, out of 2 Qs.)	
Q.5	Small answers questions – 3 marks (word limit 75 to 100 words)	15 marks (3 mark x 5 Qs, out of 7 Qs) Qs Qs.)	
Q.6	Short answers questions – 5 marks (word limit 125 to 150 words)	10 marks (5 mark x 2 Qs, out of 4 Qs.)	
Total maximum marks of section I and II			70 marks
Duration of examination			3 Hrs.

Table 2.5.3: pattern for University Practical examination question paper

Sr. No.	Head	Marks distribution
1	Synopsis	10
2	Major experiment	30
3	Minor experiment	20
4	Viva	10
Total Marks		70
Duration		04 Hrs.

For B. Pharm 2015 credit pattern:

Each Theory paper is divided in 2 sections which should be attempted in separate answer sheet.

Table 2.5.4: Pattern for University theory examination question paper

Section –I	Head	Marks distribution
Q.1.	Long answers question	10 marks (10 mark x 1 Qs, out of 2 Qs.)
Q.2	Small answers questions – 3 marks (word limit 75 to 100 words)	12 marks (3 mark x 4 Qs, out of 7 Qs.)
Q.3	Short answers questions – 5 marks (word limit 125 to 150 words)	8 marks (4 mark x 2 Qs, out of 4 Qs.)
Section – II		
Q.4	Long answers question (word limit 350 to 400 words)	10 marks (10 mark x 1 Qs, out of 2 Qs.)
Q.5	Small answers questions – 3 marks (word limit 75 to 100 words)	12 marks (3 mark x 4 Qs, out of 7 Qs) Qs Qs.)
Q.6	Short answers questions – 5 marks (word limit 125 to 150 words)	8 marks (4 mark x 2 Qs, out of 4 Qs.)
Total maximum marks of section I and II		60 marks
Duration of examination		3 Hrs.

Table 2.5.5: pattern for University Practical examination question paper

Sr. No.	Head	Marks distribution
1	Synopsis	10
2	Major experiment	25
3	Minor experiment	15
4	Viva	10
Total Marks		60
Duration		04 Hrs.

➤ **Objective Structured Clinical Examination (OSCE).**

NA

➤ **Objective Structured Practical Examination (OSPE).**

NA

2.5.12 Describe the methods of prevention of malpractice, and mention the number of cases reported and how are they dealt with?

All the attempts to prevent Malpractices during internal and university examinations are carried out by following ways:

- The institute strictly follows all the guidelines provided by university for prevention of malpractice in examination at internal and external level.
- An internal squad is appointed during every examination to have check on malpractices during examinations along with the squads appointed by university.
- Before starting examinations, students are thoroughly checked by examination committee to prohibit use of any source of malpractices like papers, books, mobile phone.

2.6. STUDENT PERFORMANCE AND LEARNING OUTCOMES

2.6.1 Has the institution articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

Yes, the institute has articulated graduate attributes.

Table 2.6.1: Graduate Attributes, Implementation, Monitoring and Outcome

Graduate Attributes	Implementation	Monitoring	Outcome
Pharmacy Knowledge	Through <ul style="list-style-type: none"> ➤ Theory and practical contact hours. ➤ guest lecture, seminars, workshops, conferences ➤ Industrial visits/ training. ➤ Certification programs. ➤ 	<ul style="list-style-type: none"> ➤ Sessional examinations ➤ In-semester continuous evaluation. ➤ Daily performance in practical hours. ➤ Annual examinations conducted by SPPU ➤ Assessment of students by 	<ul style="list-style-type: none"> ➤ Synthesis of APIs & its intermediates and analysis of various pharmaceutical dosage forms ➤ Formulation developments & quality assurance of various pharmaceutical dosage forms including those of

		corporates.	herbal origin as per standards of official books. ➤ Pharmacological screening and biological standardization and <i>in-vivo</i> drug interactions. ➤ Preparation & analysis of suitable plants material/extracts of medicinal importance for various herbal formulations. ➤ Clinical studies, patient counseling leading to physical and social well being of the patients. ➤ Product detailing, marketing, distribution and selling of pharmaceutical products.
Thinking Abilities	➤ Through one to one interaction in practical ➤ Dedicated library hours for referencing from National and International journals and e Journals. ➤ Encourage student participation in National and international conferences. ➤ Encourage students' presentations and seminars. ➤ By arranging Guest lectures on various topics.	➤ Conducting Viva-voce. ➤ Analysis of Library usage by the students. ➤ By taking feedback from students on the concepts taught in various guest lectures.	➤ Better understanding of the concepts. ➤ 360 thinking ability. ➤ Industrial consultancy and projects. ➤ More and more students participating in curricular, co-curricular, extra-curricular activities. ➤ Enhancement of innovative approach amongst the student community. ➤ Achieving accolades. ➤ Placement in reputed pharma industries. ➤ Students opting

	<ul style="list-style-type: none"> ➤ By arranging co-curricular and extra-curricular activities ➤ By involving students in the research projects ➤ Interaction with Entrepreneurs, Industrial visits, Alumni lectures. 		<p>for higher education in India and abroad.</p> <ul style="list-style-type: none"> ➤ Many students venturing in entrepreneurship.
Planning Abilities	<ul style="list-style-type: none"> ➤ Involving students in college working committees ➤ By encouraging students to plan in organization of co-curricular and extra-curricular activities. <p>By encouraging students to plan and execute intra and inter-collegiate sports.</p>	<ul style="list-style-type: none"> ➤ Through one to one interaction of student and faculty. 	<ul style="list-style-type: none"> ➤ Able to learn and apply the pharma management principles. ➤ They are able to plan their careers ➤ They are able to meticulously plan their day to day activities. ➤ They inculcate the principles of time management.
Leadership skills	<p>By encouraging students to lead in organization of co-curricular and extra-curricular activities like</p> <ul style="list-style-type: none"> ➤ Social drive ➤ Health check-up camps ➤ Rallies ➤ National campaigns <p>By encouraging students to lead in organization of and extra-curricular activities like</p> <ul style="list-style-type: none"> ➤ Inter-collegiate competitions, ➤ National social 	<ul style="list-style-type: none"> ➤ By feedback from the stakeholders ➤ Successful team development and team work ➤ Smooth, conflict-less conduct of program 	<ul style="list-style-type: none"> ➤ Arrange personality development, yoga sessions, grooming and communication sessions. ➤ Encourage student to organize as well as participate in competitions, seminars and conferences. ➤ Students are well acquainted with responsibility with authority

	<p>service scheme</p> <p>By encouraging students to organize and participate in intra and inter-collegiate sports.</p> <p>By involving students in college working committees</p>		
Empathy towards Environmental	<ul style="list-style-type: none"> ➤ Various guest lectures and seminars on environmental awareness. ➤ Arranging field trips ➤ Special Drives to spread the awareness 	<ul style="list-style-type: none"> ➤ Assessment of the students in examination 	<ul style="list-style-type: none"> ➤ Sensitization of Students towards environmental issues. ➤ Conservation of natural resources.
Communication Skills	<ul style="list-style-type: none"> ➤ Special Sessions are organized. ➤ Students are made to deliver seminars. ➤ They are made to participate in debate and group discussion. 	<ul style="list-style-type: none"> ➤ Assessment of the students in examination. ➤ By conduction Viva-voce. ➤ Interview skills 	<ul style="list-style-type: none"> ➤ Student participation in National and international conferences. ➤ Students presentations and seminars. ➤ Getting placed in good companies

2.6.2 Does the institution have clearly stated learning outcomes for its academic programs/departments? If yes, give details on how the students and staff are made aware of these?

Yes, the institution has clearly stated learning outcomes for its academic programs and the students, faculty and other stakeholders are made aware of these learning outcomes by publishing them in Institution website, Notice boards, Library, Study material, Computer center. In addition to this, all the stakeholders of the program are further kept updated through faculty meetings, orientation programs, induction programs and parent meetings.

2.6.3 How are the institution's teaching-learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

- The modes of delivery of course include delivering lectures and conducting practical using novel teaching aids. The lectures are interactive and focus on involving maximum participation of the students by assigning seminars and presentations.
- The practical conducted focus on giving hands on training and implementing good laboratory practices, whereby the students learn various new methods and processes.
- The students are allotted various projects and assignments for the overall development of intellectual and technical knowledge.
- These modes are designed to fulfill the Program outcomes.

2.6.4 How does the institution ensure that the stated learning outcomes have been achieved?

The assessment of the impact of delivery of course/ course content is carried out by student feedback system as well as analysis of the results. This clearly indicates the weak points which need to be focused and overcome and the parameters on which extra efforts need to be taken for the improvisation.

CRITERION III: RESEARCH CONSULTANCY AND EXTENSION**3.1 Promotion of Research**

3.1.1 Is there any Institutional Research Committee which monitors and addresses issues related to research? If yes, what is the composition? Mention few recommendations which have been implemented and their impact.

Yes, the institution has a Research and Development Cell (R& D cell) which encourages, guides, reviews and streamlines research activities of faculty and students. The composition of R & D cell is as per table no. 3.1.1:

Table: 3.1.1 Composition of R & D cell

Sr No	Name	Designation
1	Dr. Anagha Joshi, Principal	Chairman
2	Dr. Dayanand Kannur, Vice-Principal, Associate Professor, Pharmacognosy	Member
3	Dr. Ramesh Katedeshmukh, Professor, Pharmaceutics	Member
4	Dr. Mahesh Ghaisas, Professor, Pharmacology	Member
5	Dr. Suvarna Ingale, Associate Professor, Pharmacology	Member
6	Dr. Madhur Kulkarni, Associate Professor, Pharmaceutics	Member
7	Dr. Abhijit Gothoskar, Pharma Consultatant	Member
8	Dr. Shrinivas G. Bhope, AGM R& D Saava Healthcare Ltd.	Member
9	Mr. Yogesh Pawar, Assistant Professor, Pharmaceutics	R&D coordinator

The objectives of R & D cell are as follows:

- 1) To inculcate research acumen in faculty and students and to foster an environment conducive for research.
- 2) To promote, facilitate and monitor research activities of faculty and students.
- 3) To encourage faculty and students to participate in various conferences and present their research work as well as publish research papers.
- 4) To guide and encourage faculty to apply for research grants from various funding agencies.
- 5) To establish the collaborations for mutual benefits and maximize the industry academia interface.

- 6) To encourage faculty to interact with industry and undertake collaborative research projects.
- 7) To establish collaborations with other universities, public and private sectors and identify R and D projects including consultancy services.
- 8) To encourage faculty and students to present their innovative ideas and facilitate the patent filing of novel ideas through IPR cell.

Table: 3.1.2 Research committee recommendations, implementations and their impact include:

Recommendation	Implementation	Impact
Faculty members should be encouraged to register for PhD program	Faculty members registered for PhD at various universities. Faculty are allowed to avail institute research facilities.	Faculty awarded PhD in last 3 years: 3 Faculty pursuing PhD : 4
Faculty members and students should be facilitated to participate in workshops/conferences for presenting their research.	Many faculty members and students participated in state, national and international level, conferences and presented their papers	Many faculty members have won awards for their research work which has motivated them and others to take up more challenging research projects
To apply for grants from various funding agencies	Faculty members attended various FDPs and seminars to get an insight of writing research proposals and applying for various grants.	Faculty have applied for UGC Minor, AICTE-RPS & MODROBS. Of which UGC minor was fetched by few of faculty members
Establishment of Industry Institute Partnership cell (IIPC) in order to promote collaborative research work with industry	IIPC contacted various companies for feasibility of any joint ventures which would benefit both the parties.	MoUs and CDRs have been signed with various companies such as NextGen Healthcare Pvt.

		Ltd., Mumbai, Blue Planet Infosolutions (India) Pvt. Ltd, Amicon Rx Pvt. Ltd , Mumbai, Merck Consumer Health Pvt. Ltd, Mumbai and Gansons Pvt. Ltd
To facilitate PG students and few motivated UG students to undertake research work in industries.	Students were placed in companies like Cadila health care, LoReal India Pvt. Ltd, Blue Planet Infosolutions (India) Pvt. Ltd, Alkem Pvt. Ltd., for 6 months to complete their research projects	PG students got placed in R &D and Production departments of industries like Glenmark Pharma, Alkem Pvt. Ltd, Ipca Laboratories.

3.1.2 Does the institution have an institutional ethics committee to monitor matters related to the ethics of inclusion of humans and animals in research?

Yes, the institute has an institutional animal ethics committee to ensure the rational usage of animals in research and to ensure that animals are not subjected to unnecessary pain or sufferings before, during or after the performance of experiments on them. The committee has been constituted as per the norms and guidelines of Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA).

The committee usually meets twice every year to review and approve or suggest modification in animal testing experiments as a part of research activity in the institute, the details of which are given below:

CPCSEA registration No.: 1265/PO/Re/S/2009/CPCSEA

Date of last meeting: 16 May 2016

3.1.3 What is the policy of the university to promote research in its affiliated / constituent colleges?

The college is affiliated to SPPU and the University has a strong research policy to initiate research activities in various University affiliated colleges.

The Board of College and University Department (BCUD), SPPU to strengthen research activity, invites proposals from colleges and sanctions grants every year for research proposals to faculty members, for organizing seminars, workshops as well as for upgrading office equipments, teaching aids etc.

3.1.4 What are the proactive mechanisms adopted by the institution to facilitate the smooth implementation of research schemes/projects?

Under the capable guidance of Internal Quality Assurance Cell (IQAC), ICP has crafted '**Research and consultancy Policy**', which defines a fixed road map for the smooth implementation of the research projects.

Research and consultancy Policy': ICP strives to contribute to the knowledge and economy by identifying, studying and solving the research problem areas, ultimately focussing on welfare of society. The policy objectives are as follows

1. R & C cell with IIPC will arrange for lectures, seminars, workshops to guide faculty members and students for research ideas and techno-scientific writing.
2. ICP will allocate seed money for R & D every year in the budget.
3. ICP will encourage faculty members and students to undertake research projects of their choice. They will be provided with pertinent resource for their work. They will be encouraged to apply for various research grants to appropriate funding agencies.
4. ICP will earmark the amount equivalent to the sanctioned amount of any project to ensure timely availability of resources to the researcher.
5. Once the project is sanctioned, ICP will empower the Principal Investigator (PI) to use the granted amount for the budgeted expenditure heads. This expenditure will be timely reviewed by Research and Review sub-committee of R & D cell.
6. Whenever the PI will require to do any expenditure related to purchase of any chemicals, glassware, books, equipment, they will have to call for at least 3 quotations from the validated vendors of the college, do the comparative studies and accordingly issue purchase order to the selected vendor after approval of college budget committee. The PI will be entrusted to hire service for any of the research related work, provided such a facility is unavailable in-house.
7. After review by Research and Review sub-committee of R & D cell, PI will have to submit income and expenditure certificate along with necessary bills, vouchers, invoices, receipts. Accounts department will facilitate its audit by a qualified Chartered Accountant. Research and Review sub-committee of R & D cell will ensure submission of the audited statement and utilization certificate to funding agency.

8. ICP will reward the faculty members for publication of the research work or filing a patent on research work.
9. Faculty/ students whose paper got accepted in journals with Impact Factor more than 1, will be rewarded by contribution of 40% of cost of publication.
10. Faculty getting industrial project will be rewarded by sharing 60% of the amount left after all expenditure incurred and 40% will be retained by the college.
11. In-house Intellectual Property Cell (IPR cell) will be formed through which filing of patents for faculty and students will be facilitated.
12. Special leaves will be sanctioned for faculty members to peruse Research & / or additional qualification.
13. Students and faculty presenting their research work at various conferences or symposia are reimbursed with either the registration fees/ travel expenses.

a. Externally funded projects (both government and Private Agencies):

The ICP research and consultancy policy takes care of - Advancing funds for sanctioned projects, providing seed money, autonomy to the principal investigator/coordinator for utilizing overhead charges, Timely release of grants is assured along with timely auditing and submission of utilization certificate to the funding authorities.

➤ **Any training given for writing proposals.**

- ICP has organized a training program for writing proposals conducted by Dr. B. S. Kuchekar, Principal, MAEER's, Maharashtra Institute Pharmacy, Pune.
- The faculty members are encouraged to write research proposals to various funding agencies like UGC Minor and Major Grants, ICMR, CSIR, AICTE, AYUSH etc. The research committee keeps track of various grants offered by these government agencies and guides the faculty of respective departments to write the proposals well within the time frame of call for proposals set by the agencies.
- In order to get funding from the industry faculty members are allowed to have extensive interaction with industry personnel via various platforms like conferences, guest lectures or industrial visits. This helps the faculty members to understand the need of the industry and industry can know the expertise of the faculty in order to offer relevant project.
- Faculty members are supported to attend conferences for writing proposals and also by organizing sessions of senior faculty members from various top ranked institutions.

b. Institution sponsored projects:➤ **Proportion of funds dedicated for research in the annual budget.**

While preparing the annual budget, funds are allocated for Research and Development taking into consideration the ongoing research projects as well as projects which are to be taken up. The proportion is based as per the research and consultancy policy

➤ **Availability of funding for research /training/resources.**

Funds are available for sponsoring as well as supporting faculty members to register for attending the various training program.

➤ **Availability of access to online data bases.**

ICP library is a very special place in the Universe campus of Indira Group Institutes, with its rich collection of books and journals, e-journals, CDs etc. in the field of Pharmacy. It is a most lively place on the campus providing a comfortable and friendly environment that enables learning and advancement of knowledge. ICP library has subscribed various e-journals and provides access to online data bases.

Table: 3.1.3 Detail information about the online data bases

Sr. No.	Name of E- Journal base	Period Data	No. Of journals Subscribed	Amount (Rs.)
1	BENTHAM	January2016 to Dec. 2016	23	90,752.00
2	Science Direct (Elsevier)	January2015 to Dec. 2015	70	3,35,702.00
3	BENTHAM	January2014 to Dec. 2014	23	71,720.00
4	BENTHAM	January2013 to Dec. 2013	23	60,585.00
5	BENTHAM	January2012-Dec. 2012	23	51,900.00
6	Science Direct	January2012-Dec. 2012	70	2,40,750.00
7	J-gate Biomedical Sciences	Oct-2010 to Sep.2011	80	66,180.00
8	DELNET	Feb.2017 to Jan.2018	68	16,500.00
9	NDL-National	Jan.2017 to Dec.2017	Digital	Free

Digital Library	resources available 1) 7 lakh books by 3 lakh authors in 70 languages 2) 3 lakh articles 3) 95000+ thesis 4) 262 audio lectures
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3.1.5 How is multidisciplinary / interdisciplinary / transdisciplinary research promoted within the institution?

➤ Between / among the Departments

The faculty members, Post graduate and undergraduate students undertake research projects involving multiple disciplines like Pharmacology, Pharmacognosy, Pharmaceutics, Pharmaceutical analysis and even Microbiology. The list of projects based on multidisciplinary work is given in table.

Table: 3.1.4: List of projects based on multidisciplinary work

Sr. No.	Title of the Project	Name of the Guide	Disciplines Involved
1.	Preparation and evaluation of pediatric nutritional formulation containing Egg Albumin powder	Dr. Madhur Kulkarni	Nutritional Science, Pharmaceutics, Pharmaceutical analysis
2.	Development and Evaluation of Formulation using co-processed Excipients	Dr. Madhur Kulkarni	Pharmaceutics, Pharmaceutical analysis
3.	Development of Pediatric formulation of Flax Seed oil.	Dr. Madhur Kulkarni	Pharmacognosy, Pharmaceutics, Pharmaceutical analysis
4.	Improvement of stability, formulation development and	Dr. Madhur Kulkarni	Pharmacognosy, Pharmaceutics,

	evaluation of Natural Carotenoids		Pharmaceutical analysis, Cosmeticology
5.	Development and evaluation of flaxseed oil formulation for pediatric use	Dr. R. Katedeshmukh Co-guide - Dr. Madhur Kulkarni	Pharmacognosy Pharmaceutics, Pharmaceutical analysis
6.	Development and evaluation of formulations using co-processed excipients	Dr. R.. Katedeshmukh Co-guide – Dr. Madhur Kulkarni	Pharmaceutics, Pharmaceutical analysis
7	Development & evaluation of a novel wound healing herbal formulation.	Dr. Anagha Joshi	Pharmacognosy Pharmaceutics, Pharmaceutical analysis
8	Investigation of Indian Medicinal plants for evaluation of Adaptogenic and Antihyperlipidemic activity.	Dr. Dayanand Kannur	Pharmacognosy Pharmacology
9	Neuro-pharmacological study of different parts of Passiflora incanata	Dr. Suvarna Ingale	Pharmacognosy Pharmacology & Phytochemistry
10	Effect of alcoholic beverages on drug release pattern of sustained release dosage forms.	Dr. Abhijit Gothoskar	Pharmaceutics, Pharmaceutical analysis Pharmacology
11	Development formulation and Pharmacological investigation of nasal herbal formulation	Mrs. Prerana Dongre	Pharmacognosy Pharmacology & Phytochemistry Pharmaceutical analysis.
12	Effect of solubility of drug excipients on drug release from Chitosan matrix	Dr. Ramesh Katedeshmukh	Pharmacognosy Pharmaceutics

13	Formulation & Evaluation of Anti dandruff herbal gel	Mrs. Vishakha Hastak	Pharmacognosy Pharmaceutics, Pharmaceutical analysis Pharmacology
14	Solubility enhancement of Etodolac by various approaches.	Mr. Yogesh Pawar	Pharmaceutics Pharmaceutical analysis
15	Media optimization, production, characterization and purification of therapeutic enzyme and to develop and validation of analytical techniques for qualitative and quantitative estimation of the same in crude form and in formulation.	Mrs. Manasi Wagdarikar	Pharmacognosy Pharmaceutics Pharmaceutical analysis

➤ **Collaboration with national/international institutes / industries.**

ICP is actively involved in conducting collaborative research projects with industry. The IIPC under the guidance of IQAC is proactive in collaborating with different organizations so as to enhance the research activities. List of the completed and undergoing projects is as follows

Table: 3.1.5 List of the completed and undergoing projects

Name of the faculty	Project title	Company	Funds	Status
Dr. Madhur Kulkarni	Development of Vitamin B1 tablets	NextGen Healthcare Pvt. Ltd., Mumbai	1,12000/-	Ongoing
Dr. Anagha Joshi, Mrs. Manasi Wagdarikar	Development of analytical method for herbal drugs	A J Organica Pvt. Ltd	1,40,000/-	Ongoing
Dr. Madhur Kulkarni	Clinical trials of medical devices	Blue Planet Infosolutions (India) Pvt. Ltd	12,000/-	Completed
Dr. Madhur	Stability enhancement	Amicon Rx Pvt. Ltd ,	47,000/-	Completed

Kulkarni	of the carotenoids	Mumbai		
Dr. Madhur Kulkarni	Development of pediatric nutraceutical formulation	Merck Consumer Health Pvt. Ltd, Mumbai	1,60,000/-	Completed
Dr. Anagha Joshi, Dr. R.G. Katedeshmukh	Development of veterinary formulations	Adesean Laboratories Pvt. Ltd	30,000/-	Completed
Dr. Anagha Joshi, Dr. Abhijeet Gothoskar	Development of formulations for preclinical studies	VLife Sciences Technologies Private Limited	1,00,000/-	Completed

3.1.6 Give details of workshops/ training programs/ sensitization programs conducted by the institution to promote a research culture in the institution.

- 1) The institute has been very proactive in conducting conferences and training programs with the view of instilling research acumen in the students. Another motive of conducting such programs is to make the students aware of the current scenario of Pharma industry, its needs and expectations from budding pharmacists in terms of attitude, skill sets and knowledge so that the students can inculcate these in them to become more acceptable and ready for the industry.
- 2) Every year the institute organizes Indira Pharma Zeal which is a State level/National level conference and a poster presentation competition wherein undergraduate, postgraduate and Ph.D. students present their research work.
- 3) A workshop was arranged for undergraduate and post graduate students to make them aware of Intellectual Property Rights and to impart a knowhow of conducting patent oriented research.” One day workshop on Intellectual Property Rights”
- 4) Software demonstration and training was conducted by on Computer Aided Drug Design (CADD)
- 5) A training program was arranged wherein Mr. Bimal Kumar Kesh, a senior statistician of Qsutra , a subsidiary of Minitab Corporation ,USA gave an insight on using Minitab software for Design of Experiments which is an integral part of Quality by Design, a mandatory concept for product development.
- 6) Technical training involving theory and practical demonstration of capsule

manufacturing, tablet granulation and powder and tablet coating technology was conducted by ACG Technologies Ltd for T.Y B.Pharm and M.Pharm students.

- 7) Two days training program was conducted in collaboration with Amicon Rx Pvt. Ltd on “Mastering Quality Assurance Documents”

Table: 3.1.6: List of workshops/Training programs hosted by ICP:

Theme of the program	Speakers	Organization
Demonstration of software on Design of Experiment in the field of QBD	Mr. Bimal Kumar Kesh	Q-Sutra – Division of Minitab Corporation Inc.
Introduction to CADD and molecular modeling and its relevance to drug design.	Dr. S. M. Sami	VLife Sciences Technologies Private Limited
QSAR – Method and application on drug design	Dr. V. M. Kulkarni	BVDU Poona college of Pharmacy
Protein structure analysis.	Dr. Venkat Pallae Dr. Uday Deshpande	I2IT
Introduction to Chemoinformatics.	Dr. Subhash Ajmani	VLife Sciences Technologies Private Limited
Probiotics	Dr. Vinay Rale Dr. Bhushan Choudhari Dr. Yogesh Shouche Dr. P. S. Dhakephalkar	Environs Biotechnology UOP National Center for Cell Sciences Agharkar Research Institute, Pune

Table: 3.1.7 List of Seminars and Conferences

Theme of the Seminar / Workshop	Distinguished speakers	Organization
National Conference on Quality by Design: A breakthrough pathway for effective product life cycle management 22 nd & 23 rd January 2016	Dr. Bhupinder Singh Bhoop	Chairman and Dean – UDPS, Panjab University, Chandigarh
	Dr, Serwar Beg	Research Fellow, Panjab University
	Dr. Naveen Ahuja	Head- QBD, Lupin Research Park, Pune
	Dr. Rahul Aware	
	Mr. ShaileshLaul	Technical Manager, ACG Technologies Ltd
	Mr. Mahesh Fueky	Vice President, Glenmark Pharmaceuticals, Goa
	Dr. Abhijeet Gothoskar	Director – R &D, Lupin Research Park, Pune
Bridging the gap between Industry and Academia: A challenge! 6th and 7th February 2015 Pharma HR Meet & Panel Discussion	Mr. Bimal Kumar Kesh	Global Product development consultant Training Manager, Q Sutra, Minitab
	SubodhPriolkar,	Managing Director- South Asia, Colorcon Pvt. Ltd
	Dr. Vijay Patil	Senior associate Director, Wockhardt Research Centre, Aurangabad
	Dr. Thomas Mueller	Managing Director, AUXILIFE Scientific Services Pvt. Ltd., Pune
	Mr. SachinUmalkar	
	Mr. UdayBorde	Director, Acclimate Pharmaceuticals, Ltd, Pune
	Mr. Suresh Jain	Director, RUV Pharma, Pune
	Mrs. AnaghaChaphalkar	Senior Manager - H R, Emcure Pharmaceuticals Ltd., Pune
	Mr. VinitJhamawar	Human Resources, Cytel, Pune
	Dr. Sanjay Boldhane	Human Resources, L'Oréal India, Pune
Dr. AmeetaKarnik	Associate Director – IDDR,	

	<p>Mrs. Sonali Gujar</p> <p>Mr. Ashish Babsiwale</p> <p>Mr. R. B. Joshi</p>	<p>Abbott Healthcare Pvt. Ltd Technical Director, Pelltech Healthcare</p> <p>General Product Quality Manager, Johnson & Johnson Ltd Director – Pharma Operations, Vairchow Labs Ltd. Asst. Commissioner , Maharashtra FDA.</p>
<p>National Conference on Emerging trends in Pharma Industry 24th and 25th January 2014</p>	<p>Mrs. Sandhya Shenoy</p> <p>Dr. Sambhaji Pisal</p> <p>Dr. Dnyandeo Rane,</p> <p>Mr. Sougata Pramanick</p> <p>Dr. Evans Coutinho</p> <p>Dr. Chirag Trivedi</p>	<p>Sr. GM, Pharmaceutical Technology Centre - Mumbai, Cadila Healthcare Limited Sr. Scientist , Serum Institute of India, Pune</p> <p>R & D Head ,Optimus Pharmaceuticals, Hyderabad R&D Head (Formulations), Emcure Pharmaceuticals, Pune. Professor , HOD, Pharmaceutical Chemistry Bombay College of Pharmacy, Mumbai Deputy Director – Project Management and Strategic Initiatives in the Clinical Study Unit of Sanofi, India</p>
<p>‘Personality Development and Interview Skills’</p>	<p>Mr. Amol Harale</p> <p>Mr. Rohington Cooper</p>	<p>Indira School of Communication</p>
<p>IPA Pune branch sponsored Young Pharmacy Teachers programme on “Novel methods of teaching in Pharmacognosy”</p>	<p>Dr. Ajay Namdeo</p> <p>Prof. Rukhsana A. Rub.</p>	<p>Professor Pharmacognosy, Poona College of Pharmacy, Pune. Professor Pharmacognosy, Allana College of Pharmacy, Pune.</p>
<p>Indian Traditional Medicines- Avenues and Challenges</p>	<p>Dr. Mandar Akkalkotkar</p> <p>Mr. Shailesh Nadkarni</p> <p>Dr. C. K. Kokate</p> <p>Dr. Harish Padh</p> <p>Dr. D. G. Naik</p>	<p>MITCON, Pune</p> <p>Dhootpapeshwar Mumbai.</p> <p>Vice Chancellor, KLE</p>

		University. Belgaum NIPER, Ahmadabad Agharkar Research Institute, Pune.
Biotech-Opportunity and Challenges	Dr. Narendra Gadre	MITCON, Pune
Spoken English	Mrs. Asmita Dani	Director, Indira School of English, Pune
Different aspects of studying abroad	Mr. Rajev Shah & Faculty	FACT, Pune
Yogasna and meditation	Mr. Ramanathan	Bhartiya Yoga Vidya Sansthan
Hospital Pharmacy	Dr. Mahesh Burande Mrs. Anagha Joshi Mrs. Shrividya Ravi	Indira College of Pharmacy Indira College of Pharmacy Institute of Pharmacy Education and Research, Pune
Ideal Drug store Management	Dr. Mahesh Burande Mrs. Manjiri Joshi Mrs. Shrividya Ravi	Indira College of Pharmacy Institute of Pharmacy Education and Research, Pune
Scope and potential after Pharmacy	Dr. Mahesh Burande Mrs. Shrividya Ravi	Indira College of Pharmacy Institute of Pharmacy Education and Research, Pune

3.1.7 How does the institution facilitate researchers of eminence to visit the campus? What is the impact of such efforts on the research activities of the institution?

ICP since inception has time and again invited eminent researchers on the campus for delivering the sessions on their areas of expertise. This activity has resulted in various fruitful collaborations like:

- Eminent personalities from Research institutes as well as industry are regularly on the campus to deliver Guest Lectures and guide the students.

Table: 3.1.8 Eminent Speakers from the International Academia

Distinguished Speakers	Organization
Dr. Graham Nickolson	Professor and Dean, University of Technology Sydney, Australia
Dr. Medha Joshi	Assistant Professor, Nanomedicine Researcher, Consultant - Midwestern University, Chicago, USA
Prof. Dr. Müller-Goymann	Managing Director, Dept. of Pharmaceutics, Institute of

	Pharmaceutical Technology, Technical University of Braunschweig, Germany
Dr. Susan Lang.	Senior Lecturer in Microbiology, Glasgow Caledonian University, UK
Ms. Mukta Paranjape	Research Scholar, Clinical Pharmacology, Technical University of Braunschweig, Germany.

Table: 3.1.9 Eminent Speakers from the Academia

Distinguished speakers	Organization
Dr. C. K. Kokate	Vice Chancellor, K.L.E University, Belgaum.
Dr. R. K. Goyal	Vice Chancellor, M.S. University, Baroda.
Dr. Ravindra Ghooi	Dean, Bilcare Research Academy, Pune.
Dr. R.K. Nanda	Emeritus Professor, Pad. DYPIPSR, Pimpri.
Dr. A. P. Pawar	Vice Principal and Professor, Poona College of Pharmacy, Pune.
Dr. Suniti Gore	Head, Department of Microbiology, Fergusson College, Pune.
Dr. S. R. Dhaneshwar	Professor, Poona College of Pharmacy, Pune.
Prof. Pandit Mali	Principal, Indira Institute of Management Pune.
Prof. ShriramNerlekar	Professor, Indira Institute of Management, Pune.
Mr. Pramod Ingale	Professor, M.M. College of Pharmacy, Pune.

- b) ICP has Signed MOU's with different Pharmaceutical Industries as well as research organizations to facilitate research culture. VLife Sciences Technologies Private Limited, Merck Consumer Health Pvt. Ltd, Amicon Rx Pvt. Ltd, Mumbai for conducting research projects.
- c) 6 months internship allotment to 7 post graduate research students at Cadila Research Centre, Mumbai and 2 PG students at LoReal India Pvt. Ltd.
- d) Procurement of gift samples of drugs and polymers for conducting undergraduate and post graduate research projects.

3.1.8 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

Budget allocation for Research

Financial Year	College Budget	Research allocation	% of total Budget
2013-14	34,556,708.00	805,000.00	2.33%
2014-15	30,279,125.00	537,500.00	1.78%
2015-16	35,339,469.00	505,000.00	1.43%
2016-17	37,678,368.00	557,500.00	1.48%

Budget Utilization for Research

Financial Year	College Budget	Research Budget Utilization	% of total Budget Utilized
2013-14	34,556,708.00	636,237.00	1.84%
2014-15	30,279,125.00	256,203.00	0.85%
2015-16	35,339,469.00	694,971.00	1.97%
2016-17	37,678,368.00	427,857.00	1.14%

3.1.9 In its budget, does the university earmark funds for promoting research in its affiliated colleges? If yes, provide details.

➤ N/A

3.1.10 Does the institution encourage research by awarding Postdoctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the institution and other sources.

➤ N/A

3.1.11 What percentage of faculty have utilized facilities like sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the institution monitor the output of these scholars?

➤ The institution has a policy for sabbatical leave.

- The sabbatical leave policy is intended to facilitate professors for pursuing their scholarly interests full-time and as well maintain their professional standing in the institute.
- Sabbatical leaves are also aimed to inspire professors to reap the new research ideas that would be difficult to complete with the day-to-day interruptions and demands of regular academic duties.
- The experience and the exposure gained by the returning professors, during the sabbaticals benefits both the Institution and Students at large.
- Faculty should be a full-time employee of the ICP for at least 5 years and understands that sabbatical is a leave without pay.

3.1.12 Provide details of national and international conferences organized by the institution highlighting the names of eminent scientists/scholars who participated in these events.

Table 3.1.10: List of Conferences organized by ICP

Sr. No.	Title of the conference	Year of conduct	Names of the scholars participated in the conference
1	National Conference on Quality by Design: A breakthrough pathway for effective product life cycle management	22 nd & 23 rd January, 2016	1. Dr. Bhoopinder Singh Bhoop Professor and Chairman, UIPS, Punjab University, Chandigarh 2. Dr. SarwarBaig, Research fellow, UIPS, Punjab University, Chandigarh 3. Mr. Vasant Shetty Technical Manager, Associated Capsules Group, Pune 4. Mr. ShaileshLaul, Vice President, Operations Glenmark Pharmaceuticals Ltd, Goa 5. Dr. Abhijit Gothoskar, Pharma Consultant 6. Dr. Naveen Khurana, Lupin Research Centre, Pune 7. Mr. Mahesh Fukey, Lupin Research Centre, Pune

2	National Conference on “Bridging the gap between Academia and Industry”: A challenge!	6 th & 7 th February 2015	<ol style="list-style-type: none"> 1. Mr. Subosh Priolkar, Managing Director-South Asia, Colorcon Pvt Ltd 2. Dr. Vijay Patil, Senior Associate Director, Wockhardt Research Centre, Aurangabad 3. Dr. Thomas Mueller, Managing Director, AUXILIFE Scientific Services Pvt. Ltd., Pune 4. Mr. Sachin Umalkar, Director, Acclimate Pharmaceuticals, Pune 5. Mrs. Nanagha Chaphalkar, Human Resource, L’Oreal India, Pune 6. Mr. Suresh Jain, Senior Manager-H.R. Emcure Pharmaceuticals Ltd., Pune Dr. Sanjay Boldhane, Associate director-IDDR, Abbott Healthcare Pvt Ltd. 7. Dr. Amita Karnik, Technical Director, Peltech Healthcare 8. Mrs. Sonali Gurjar, General Product Quality Manager, Johanson & Johanson LTD 9. Mr. R.B Joshi, Ass. Commissioner, Maharashtra FDA
3	National Conference on Emerging Trends in Pharmaceutical Research	24 th & 25 th January 2014	<ol style="list-style-type: none"> 1. Dr. Sandhya Shenoy, Sr. General Manager Cadila Healthcare. 2. Dr. Sambhaji Pisal, Sr. Scientist, Serum Institute of India, Pune. 3. Mr. Sougata Pramanick, Director – R & D Formulation, Emcure Pharmaceuticals, Pune. 4. Dr. Dnyandeo Rane, Director - R&D, Optimus Pharmaceuticals, Hyderabad. 5. Dr. Evans C. Coutinho, HOD & Professor, Dept. of Pharmaceutical

			Chemistry, Bombay College of Pharmacy. 6. Dr. Chirag Trivedi, Deputy Director, Project management and strategic initiatives, Sanofi, Mumbai.
4	National Conference on “Clinical Research Clinical Research” – Past, Present & Future	28 th February & 1 st March 2013	<ol style="list-style-type: none"> 1. Dr. Mrs. Jayashree Todkar, Consultant general Laparoscopic and Bariatric Surgeon. 2. Dr. Mrs. U.P. Divate, DNB professor and HOD medicine, Jahangir Hospital 3. Mr. M.D Hanif Shaikh, Senior Project Manager core vaccine research unit, KEM hospital Research Centre, Pune. 4. Dr. S. L. Bobhankar, Professor and Head of the Department of Pharmacology, Bharti Vidyapeeth PCP Pune. 5. Dr. S.V. Shirolkar, Professor and Head of the Department of Pharmaceutics, Pad. Dr. D.Y Patil Institute of Pharmaceutical Sciences and Research, Pune. 6. Dr, Ravindra Ghooi, Professor Symbiosis Institute of Biomedical Sciences, Pune 7. Mr. Ajay Sathe, Chief Executive Office Cytel India.

3.1.13 Mention the initiatives of the institution to facilitate a research culture in the below mentioned areas:

➤ **Training in research methodology, research ethics and biostatistics.**

SAS training was given to the students and faculty members to enlighten them on Biostatistics and its role in the field of research and clinical trials. This training

encouraged one of the faculty members to successfully undertake SAS certification course. Prof. Mr. Subhash Kumbhar enrolled for a SAS certification course.

➤ **Development of scientific temperament.**

- In order to create a scientific temperament among students, various guest sessions by scientists from academia and industry are organized periodically. These sessions are relevant to the course structure and encompasses all the major subjects of the curriculum.
- Faculty members are stimulated to present their novel research ideas or proposal to industry with the view of perusing collaborative research with them.
- Students and faculty presenting their research work at various conferences or symposia are reimbursed with either the registration fees/ travel expenses.
- Separate funds are reserved to procure chemicals and consumables for the undergraduate and post-graduate research projects so that the research work can proceed smoothly.
- Post graduate students as a part of in semester assessments are encouraged to read and interpret the original research articles from high impact factor journals and then make oral presentations on the same

➤ **Presence of Medical / Bio Ethics Committee.**

ICP has a well-equipped Animal house with a registered CPCSEA (1265/PO/Re/S/2009/CPCSEA).

➤ **Research linkages with other institutions, universities and centers of excellence. (national and international).**

Under the umbrella of IIPC, ICP faculty has established strong linkages with various institutes of National and International repute, also the environment in ICP is conducive for bolstering one to one interaction with outside world, which has resulted in the following outcomes:

- We have long association with Botanical Survey of India, where the plant herbariums are sent to for authentication.
- ICP has established a working bond with National Toxicology Centre, where toxicological studies were undertaken.
- Microbial cultures are obtained from National Centre for Cell Sciences and National Chemical Laboratory.

- We have a membership of Jaykar Library, Savitribai Phule Pune University for availing the library facility for staff and students, which helps to encompass the literature required for research activities.
- Equipment and instruments at Savitribai Phule Pune University, IIT, Anchrom Mumbai are used for analysis, characterization and evaluation of drug samples and formulations
- **Research programs in Basic Sciences, Clinical, Operational Research, Epidemiology, Health Economics, etc.**
 - N/A
- **Promotional avenues for multi-disciplinary, inter-disciplinary research.**
 - Refer point 3.1.5
- **Promotional avenues for translational research.**

The institute as per the R&D policy continuously encourages the faculty to undertake research work and publish it in journals of repute, as well as present in national and international conference.

ICP has an in house IPR Cell which helps in filling patents for novel work.

- **Instilling a culture of research among undergraduate students.**
 - More than 100 undergraduate students are encouraged to take up small research projects under the guidance of the ICP faculty members. After the successful completion of the projects, the students are also motivated to present their work in college level, state level and national level conferences like Pharma zeal and IPC.
 - The students presenting research papers are awarded for motivation during the IPZ.

Table 3.1.11 List of students Received Awards in IPZ

Category	Name of the Conference	Rank	Title of poster	Name of authors
B. Pharm	Indira Pharma Zeal 2016	First	Antinociceptive Effect Of Moringa oleifera Leaf Extract In Neuropathic Pain	Ms. Artee A. Kature,
		Second	Marine natural products: a new wave of drugs	Ms. Gorad Himani , Ms.Shah Aditi

B. Pharm	Indira Pharma Zeal 2014	First	Okra Gum as A Binder in Tablet	Mr. Prashant Mandhare, Mr. Amol Pawar, Mr. Vishal Dongare, Mr. Archis Jadhav
B. Pharm.	Indira Pharma Zeal 2013	First	Palliative care of cancer patients	Ms. Soumyavani Pappu, Ms. Sanika Naik, Ms. Priya Sandbhor
		Second	Solubility enhancement techniques	Ms. Priya Shirsat

- List of Students who have presented their research work in “Avishkar”, which is a SPPU sponsored Inter-University Research Project Competition for UG/PG/Doctoral students.

Table: 3.1.12 List of students presented papers in “Avishkar”

Sr. No.	Name of the Student	Year	Title
1.	Ms. Manpritkaur Batra, Ms. Aditi Shah and Ms. Ankita Bankhele	October, 2016	Development & Standardization of Herbopathic Formulations.
2.	Mr. Harshit Mishra, Mr. Sudhanshu	October, 2016	Evaluation of Hygrophila schulli seed extract for anti- stress activity

Table: 3.1.13 List of students presented papers in “IPC”

Sr. No.	Name of the Student	Year	Title
1.	Ms. Arya Indulkar, Ms. Shiwangi Upadhyay and Dr. Madhur Kulkarni.	December, 2015	Development & evaluation of dermal delivery systems of Ibuprofen.
2.	Mr. Namit Kamble,	December, 2015	Spherical crystallization of

	Dr. Madhur Kulkarni		ketoconazole to improve its micromeretic properties
3.	Ms. Artee Kature, Dr. Suvarna Ingale	December, 2015	Formulation and evaluation of sun protection activity of Passiflora incarnate and P. edulis
4	Ms. Salunke Supriya	December, 2015	Formulation and evaluation of herbal expectorant jellies

➤ **Publication-based promotion/incentives.**

- The R&D committee of ICP has a policy for appreciating faculty members for fetching research grants and for publication of the research paper in national and international journals of repute.
- ICP also encourages faculty members to present their research work in various national and international conferences by reimbursing registration fees.

➤ **Providing travel grant for attending national/international conference and workshop**

- Institute has a policy in place where it has been agreed that each faculty member receives the Travel Expenses/Local convenience for attending various national and international conferences for workshops

3.1.14 Does the institution facilitate

➤ **R&D for capacity building and analytical skills in product development like diagnostic kits, biomedical products, etc. for the national / international market**

- Yes, the institute facilitates capacity building through R& D projects.

(Plz refer Table 3.1.5)

➤ **Development of entrepreneur skills in health care:**

ICP has organized and conducted interactive sessions with established entrepreneurs in health care sector, alumni of the college who are now entrepreneur to inculcate entrepreneurial acumen in the students. Alumni of the college are encouraged to mentor the students having business interests.

- The alumni of the institute have started the chain of Retail pharmacy stores especially in the rural areas of Maharashtra to provide the needy with quality medicines
- The alumni of the institute are wholesale dealers for surgical products.

➤ **Taking leadership role for stem cell research, organ transplantation and harvesting, Biotechnology, Medical Informatics, Genomics, Proteomics, Cellular and Molecular Biology, Nanoscience, etc.**

➤ N/A

3.1.15 Are students encouraged to conduct any experimental research in Yoga and / or Naturopathy?

➤ N/A

3.2 RESOURCE MOBILIZATION FOR RESEARCH

3.2.1 How many departments of the institution have been recognized for their research activities by national / international agencies (ICMR, DST, DBT, WHO, UNESCO, AYUSH, CSIR, AICTE, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

ICP has applied for AICTE AQIS schemes as well as for research funding from SERB and one research proposal has been short listed by SERB in the year 2016-17. Institute so far has not received any assistance from either of these agencies. However, there has been an effort in writing the proposals for funding to the agencies like ICMR, AICTE. Till date ICP has received research grant from SPPU to the amount of 26.5 Lakhs.

3.2.2 Provide the following details of ongoing research projects of faculty:

Table: 3.2.1 List of ongoing research projects of faculty

	Year-wise	Number	Name of the project	Name of the funding agency	Total grant received
A. University awarded projects					
Minor Projects	2016-18	Proposal No.15PH M002530	An analytical method development for analyzing release and permeation profile of a drug when co-administered with medicated wines containing one or more ingredients of Trikatu.	SPPU	1,40,000/-
	2015-17	Proposal No.14PH M001374	Evaluation of anti-asthmatic activity of some Indian medicinal plants	SPPU	2,20,000/-
	2015-17	Proposal No.14PH M002228	Development and standardization of herbopathic Formulations	SPPU	1,60,000/-
	2015-17		Development and standardization of digestive and expectorant dosage forms based on Ayurvedic Churna and Chattan	SPPU	1,40,000/-
B. Other agencies - National and International (specify)					
Minor Projects			Development of Vitamin B1 tablets	Next Gen Healthcare Pvt. Ltd., Mumbai	1,12,000/-
			Development of analytical method for herbal drugs	A J Organica Pvt. Ltd	1,40,000/-

3.2.3 Does the institution have an Intellectual Property Rights (IPR) Cell?

Yes, institute has established “*Indira IPR Cell*” for creating awareness in IPR and protecting IP rights of the students and faculty.

Table: 3.2.2 Composition of IPR cell

Sr. No	Name of the Member	Educational Qualification
1	Dr. Anagha Joshi, Principal, Indira college of Pharmacy	PhD in Pharmaceutical Sciences
2	Mrs. Prerana Dongre Assistant Professor, Indira college of Pharmacy	M. Pharm., Registered Patent Agent and facilitator for the Indian Patent office.
3	Mr. Vinod Honmute	Registered Patent Agent, Associate Team Lead, PI Industries Ltd

3.2.4 Has the institution taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

ICP has taken initiative in formation of “*India IPR cell*” which is dedicated for

- Creating awareness in Intellectual Property Rights (IPR):
 - Conducted two days of state level conference for leveraging of IPR for opportunities in Pharma Industries.
 - Conducted workshop on Intellectual Property Rights for the students and the industry professionals: 28 students and 6 Industry Professional attended the workshop.
- International Certification: 45 students cleared the World Intellectual Property Organization (WIPO) certification on “*General Course on Intellectual Property*”.
- Guiding students and professors regarding patenting of the innovations:
 - Patent applications are filed in the name of professors and the students of the institute at the patent office, Mumbai.
- Guiding students and professors regarding Copyright of the literature work:
 - 1 Copyright application has been filed at the copyright office, Delhi

Table: 3.2.3 Details of the IPR Filed

Sr. No.	Type of IPR	Name of the Inventor / Applicant /Author	Date of Filing / Application No.	Title	Legal Status
1	Patent	Prof. Vishakha Hastak & Mr. Prashant Jadav	665/MUM/2014 25 th February, 2014	An oro-dispersible tablet and a process for preparing the same	Published
2	Patent	Dr. Anagha Joshi,	664/MUM/2015 25 th February, 2014	A novel Dissolution medium and a process for analyzing the effect of alcohol on drug release pattern.	Published
3	Patent	Mr. Kiran Suryawanshi and Dr. Ramesh Katedeshmukh	3511/MUM/2014 7 th November 2014	A topical formulation for treating nail disorders	Published
4	Design Patent	Mrs. Prerana Dongre	291622 8 th March, 2016	Drug Permeability Testing Apparatus	Filed
5	Copyright	Dr. Madhur Kulkarni	9017/2015-CO/L	Redefining the World of Medicines	Published

3.2.5 Does the institution have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

Our institute strongly believes in industry – institution tie ups and association. ICP has signed MOUs and CDAs with various industries. The details of the ongoing and completed projects are as follows

Table: 3.2.4: List of ongoing and completed Research Projects

Name of the faculty	Project title	Company	Funds	Status
Dr. Madhur Kulkarni	Development of Vitamin B1 tablets	NexGen Healthcare Pvt. Ltd., Mumbai	1,12,000/-	Ongoing
Dr. Anagha Joshi, Mrs. Manasi Wagdarikar	Development of analytical method for herbal drugs	A.J.Organica Pvt. Ltd	1,40,000/-	Ongoing
Dr. Madhur Kulkarni	Clinical trials of medical devices	Blue Planet Infosolutions (India) Pvt. Ltd	12,000/-	Completed
Dr. Madhur Kulkarni	Stability enhancement of the carotenoids	Amicon Rx Pvt. Ltd , Mumbai	47,000/-	Completed
Dr. Madhur Kulkarni	Development of pediatric nutraceutical formulation	Merck Consumer Health Pvt. Ltd, Mumbai	1,60,000/-	Completed
Dr. Anagha Joshi, Dr. R. Katedeshmukh	Development of veterinary formulations	Adesean Laboratories Pvt. Ltd	30,000/-	Completed
Dr. Anagha Joshi, Dr. Abhijeet Gothoskar	Development of formulations for preclinical studies	VLife Sciences Technologies Private Limited	1,00,000/-	Completed

3.2.6 List details of

a. Research projects completed and grants received during the last four years (funded by National/International agencies).

Table 3.2.5 List of Research projects completed and grants received

Name of the faculty member	Title of The Project	Year	Amount (Rs.)	Status
Mr. Ramesh Katedeshmukh	Effect of solubility of drug excipients on drug release from Chitosan matrix	2012-14	2,00,000/-	Completed
Mrs. Vishakha Hastak	Formulation & Evaluation of Anti dandruff herbal gel	2012-14	2,00,000/-	Completed
Mr. Yogesh Pawar	Solubility enhancement of Etodolac by various approaches.	2012-14	2,00,000/-	Completed
Mrs. Manasi Wagdarikar	Media optimization, production, characterization and purification of therapeutic enzyme and to develop and validation of analytical techniques for qualitative and quantitative estimation of the same in crude form and in formulation.	2012-14	2,80,000/-	Completed

Table 3.2.6 List of Research projects completed and grants received

Name of the Faculty Member	Project title	Year	Amount (INR)	Status
Dr. Anagha Joshi	An analytical method development for analyzing release and permeation profile of a drug when co-administered with medicated wines containing one or more ingredients of Trikatu.	2016-18	1,40,000/-	On-going
Dr. Suvarna P. Ingale	Evaluation of anti-asthmatic activity of some Indian medicinal plants	2015-17	2,20,000/-	On-going
Mrs. Prerana P. Dongre	Development and standardization of herbopathic Formulations	2015-17	1,60,000/-	On-going

Dr. Dayanand Kannur	Development and standardization of digestive and expectorant dosage forms based on Ayurvedic Churna and Chattan	2015-17	1,40,000/-	On-going
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a. Inter-institutional collaborative projects and grants received

- i) National collaborations - Nil
- ii) International collaborations -Nil

3.2.7 What are the financial provisions made in the institution budget for supporting students' research projects?

Separate budget under the head of Research has been allocated for promoting and supporting post-graduate and undergraduate research projects. Under this head, funds are allocated for purchasing glassware, chemicals and consumables. Internet and Wi-Fi expenditure required to facilitate the access of information from different knowledge resources like, National Digital Library, Bentham, Science Direct (Elsevier) and J-gate Biomedical Sciences is also budgeted.

3.3 RESEARCH FACILITIES

3.3.1 What efforts have been made by the institution to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

- ICP has state of art infrastructure with well-equipped and established laboratories. We have 14 laboratories which have all the equipment and instruments to facilitate research. We have specially designed machine room where a pilot plant has been set up for formulation development process. A separate instrument room with well-equipped analytical instruments like HPLC, UV spectrophotometer, flame photometer is provided
- ICP has actually purchased certain equipments which were not mandated by syllabus but required for research. Also to further enhance the research facility, ICP has applied for MODROBS scheme from AICTE in the year 2016-17. Also IIPC of ICP approaches various industries for aids in the form of equipment. Till now FDC Ltd has donated few equipment like flash chromatography, USP dissolution apparatus and cyclone mixer to our institute.

3.3.2 Does the institution have an Advanced Central Research facility? If yes, have the facilities been made available to research scholars? What is the funding allocated to the facility?

- Yes, the institution has advanced central research facility which is regularly used by faculty and students. We have specially designed machine room where a pilot plant has been set up for formulation development process. A separate instrument room with well-equipped analytical instruments like HPLC, UV spectrophotometer and flame photometer.

3.3.3 Does the institution have a Drug Information Centre to cater to the needs of researchers? If yes, provide details of the facility.

- Institute has a Drug Information Centre, to cater to the needs of the researchers.
- CDs from State Pharmacy Council having detailed information about the drugs are available in library. We strongly believe in digital India, hence we encourage utilization of App based Drug Information Centre like 1mg, CIMS, etc.
- In addition, we have collaboration with Aditya Birla Memorial Hospital which has state of the art Drug Information Centre which is also used by researchers and Pharm D students of ICP.

3.3.4 Does the institution provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

- Yes. Institute has provided hostel facility to the student community. The hostel facility is Wi-Fi enabled. The same facility is extended to national research scholars and fellows who come to attend the conferences and symposia conducted in college. 5 post graduate and Ph.D scholars from UICT, Mumbai who had come to attend the National Level Conference on QBD were provided accommodation by the institute.

3.3.5 Does the institution have centers of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

- N/A

3.3.6 Clinical trials and research

➤ **Are all the clinical trials registered with CTRI (Clinical Trials Research of India)? List a few major clinical trials conducted with their outcomes.**

- N/A

3.4 RESEARCH PUBLICATIONS AND AWARDS

3.4.1 Does the institution publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

- Institute has not yet published any research journal. However, the institute has published an e-book, which is available online.

<https://www.free-ebooks.net/ebook/Drug-Delivery-Systems-A-Review/pdf?dl&preview>

3.4.2 Give details of publications by the faculty and students:

Number of papers published in peer reviewed journals (national / international) Kindly refer to the table given below which enlists the number of papers published by each faculty member

Table: 3.4.1 List of Papers published by the Faculty

Sr. No	Name of the Faculty	National Journal	International Journal
1	Dr. (Mrs.) Anagha Joshi	04	09
2	Dr. Dayanand Kannur	01	12
3	Dr. Ramesh Katedeshmukh	00	16
4	Dr. Mahesh Ghaisas	13	37
6	Dr.(Mrs.)SuvarnaIngale	05	21
7	Dr. Madhur Kulkarni	03	04
8	Mrs. VishakhaHastak	00	04
9	Mr. Subhash Kumbhar	12	00
10	Mr. Yogesh Pawar	00	12
11	Mrs. ManasiWagdarikar	02	04
12	Mrs. PreranaDongre	00	02
13	Mr. Amir Shaikh	00	13
14	Ms. RutujaSonawane	00	02
15	Ms. Archana Karnik	02	05
16	Mr. Srinivas Patil	01	01
17	Mrs.Tejaswini Kakade	01	07

Table: 3.4.2 Details of the Citation Index

Sr. No.	Name of the faculty	Citations		h-index		i-10Index	
		All	Since 2012	All	Since 2012	All	Since 2012
1.	Dr. (Mrs.) Anagha Joshi	71	42	02	02	01	01
2.	Dr. Dayanand Kannur	222	162	05	05	04	04
3.	Dr. Ramesh Katedeshmukh	58	50	04	04	03	03
4.	Dr. Mahesh Ghaisas	341	251	11	10	11	11
5.	Dr. Suvarna Ingale	53	39	03	03	02	01
6.	Dr. Madhur Kulkarni	61	31	03	02	01	01
7.	Mr. Subhash Kumbhar	43	42	05	05	01	01
8.	Mr. Yogesh Pawar	43	42	05	05	01	01
9.	Mrs. Manasi Wagdarikar	03	03	01	01	00	00
10.	Mrs. Prerana Dongre	22	21	03	03	01	01
11.	Mr. Amir Shaikh	43	42	05	05	01	01
12.	Ms. Archana Karnik	14	14	02	02	00	00
13.	Mrs. Tejaswini Kakade	09	09	02	02	00	00

➤ **Chapters in Books**

1. Kannur D. M. 'Antidiabetic and antihyperlipidemic activity of bonducella(*Caesalpinia bonducella*) seeds'. In V. R. Preedy, R. R. Watson, V. B. Patel (Editors), Nuts & Seeds in Health and Disease Prevention (1st ed.) (pp 237-244). London, Burlington, San Diego: Academic Press, Elsevier. ISBN: 9780123756886
2. Dr. Madhur Kulkarni has authored and edited the marketing visual aid titled "Redefining the World of Medicine" for Epione Pharmaceuticals Pvt. Ltd.

➤ **Books with ISBN with details of publishers**

Table: 3.4.3 List of Books Authored by the Faculty members

Sr. No	Name of the faculty	ISBN No	Title of the book	Publisher
1	Dr. Anagha Joshi, Prof. Mansi Wagdarikar	978-81-7660- 276-1	Pharmaceutical Analysis I	Everest Publishing House

2	Dr. Anagha Joshi, Prof. Mansi Wagdarikar	978-981- 7660-281-5	Pharmaceutical Analysis II	Everest Publishing House
3	Dr. Suvarna Ingle	978-81-7660- 253-2	Human Anatomy and Physiology I	Everest Publishing House
4	Dr. Suvarna Ingle	978-81-7660- 278-5	Human Anatomy and Physiology II	Everest Publishing House
5	Prof. VishakhaHastak	978-81-7660- 283-9	Dosage Form Design	Everest Publishing House
6	Prof. VishakhaHastak	978-81-7660- 287-7	Modern dispensing practices	Everest Publishing House
7	Prof. Yogesh Pawar	978-93-24457- 09-7	Practical handbook of modern dispensing practices	Success publication
8	Prof. Amir Shaikh	978-93- 24457-07-3	Practical handbook of physical pharmaceutics- II	Success Publication

3.4.3 Does the institution publish any reports/compilations/clinical round-ups as a part of clinical research to enrich knowledge, skills and attitudes?

➤ N/A

3.4.4 Give details of

➤ **Faculty serving on the editorial boards of national and international journals**

Table: 3.4.4 List of Faculty members serving on Editorial Board and as Reviewers

Sr. No	Name of the Faculty	Name of the Journal
1	Dr. Dayanand Kannur	Editorial Board Member for Journal of Natural Remedies Reviewer for Asian Journal of Pharmaceutics, Current Nutrition and food science, Bentham
2	Dr. Anagha Joshi	Reviewer for Arabian Journal of Chemistry
3	Dr. Suvarna Ingale	Reviewer for Pharmaceutical Biology and Natural Product Research International Journal of Pharmacy & Pharmaceuticals

		Sciences, International Wound Journal
4	Dr. Mahesh Ghaisas	Reviewer for Inflammo-pharmacology, Pharmaceutical Biology, International Journal of Diabetes in Developing Countries, International Wound Journal

➤ **Faculty serving as members of steering committees of national and international conferences recognized by reputed organizations / societies**

- Dr. Anagha Joshi is the coordinator of western Zone of Association of Pharmacy Teachers of India. APTICON 2014.
- Dr. Anagha Joshi & Dr. Dayanand Kannur were the organizing committee members of International Symposium of Society for Ethnopharmacology.
- Dr. Dayanand Kannur, Dr. Suvarna Ingale, Dr. Ramesh Katedeshmukh, Mr. Yogesh Pawar, Mr. Amir Shaikh, Mr. Subhash Kumbhar were the members of the Organizing committee of APTICON 2014.
- Dr. Anagha Joshi is serving as member of CPCSEA functioning under the ministry of Environment, Forest and Climate Change.

3.4.5 Provide details for the last four years

➤ **Research awards received by the faculty and students**

At International Conference on Advances in traditional Medicine held on 4th and 5th January 2016 following faculty members bagged the awards

- Dr. Dayanand Kannur – Winner of oral presentation competition in segment of Pharmacognosy
- Dr. Suvarna Ingle – Runner up of poster presentation competition in Pharmacology segment
- Ms. Prerana Dongre– Runner up of poster presentation competition in segment of Pharmacognosy and Phytochemistry.
- Mr Yogesh Pawar - Best paper presentation in 4th National conference on “ABMH Pharma Con - 2016” organized by Aditya Birla Memorial Hospital

Table: 3.4.5 List of Research Awards Received by the faculty and Students during Indira Pharma Zeal

Category	Name of the Conference	Rank	Title of poster	Name of authors
B. Pharm	Indira Pharma Zeal 2016	First	Antinociceptive Effect Of Moringa oleifera Leaf Extract In Neuropathic Pain	Artee A. Kature, Suvarna P. Ingale
		Second	Marine natural products: a new wave of drugs	Gorad H.C , Shah A.G, Dongre P.P
B. Pharm	Indira Pharma Zeal 2014	First	Okra Gum As A Binder In Tablet	Prashant Mandhare* ¹ , Amol Pawar ¹ , Vishal Dongare ¹ , Archis Jadhav ¹ , Ramesh G. Katedeshmukh ¹
B. Pharm.	Indira Pharma Zeal 2013	First	Palliative care of cancer patients	SoumyavaniPappu, Sanika Naik, PriyaSandbhor
		Second	Solubility enhancement techniques	PriyaShirsat
Ph. D	Indira Pharma Zeal 2016	First	Media Optimization, Purification And Partial Characterization Of Serratiopeptidase From Serratia Marcescens Ncim 2919	Manasi J. Wagdarikar* , Dr. Anagha M. Joshi,.
		Second	Effect of <i>Canna indica</i> L. root and rhizome extract on streptozotocin induced diabetes in rats.	Kumbhar ST, Joshi AM, Patil SP.
Ph. D	Indira Pharma Zeal 2014	First	Screening of Hygrophila schulli seed extracts for Antihyperlipidemic activity	Dayanand Kannur, Kishanchandra Khandelwal

➤ **National and International recognition received by the faculty from reputed professional bodies and agencies**

- Dr. Anagha Joshi has been nominated as member of CPCSEA functioning under the ministry of Environment, Forest and Climate Change
- Dr. Madhur Kulkarni was invited by Health Ministry of Fiji to work as a Pharmacist during cardiac surgery camp conducted at Suva, Fiji between 13 Feb and 25 Feb 2016 and subsequently between 13th Jun and 25th Jun 2016.
- Mrs. Prerana Dongre is recognized as a Patent facilitator by the Indian Patent Office for the “Startup India” initiative.

3.4.6 Indicate the average number of post graduate and doctoral scholars guided by each faculty during the last four years.

Table: 3.4.6 List of post graduate and doctoral scholars guided by faculty

Sr. No	Name of The faculty	No of PG Students Guided in last 4 years		No of PhD Students Guided in last 4 years
		No of Students Guided	No of Students Co-Guided	
1	Dr. Anagha Joshi	05	.....	02
2	Dr. Suvarna Ingale	09	.....	.....
3	Dr. Ramesh Katedeshmukh	25	.....	.....
4	Dr. Madhur Kulkarni	.....	07	.....
5	Prof. Yogesh Pawar	09	12	
6	Prof. Vishakha Hastak	13		
7	Prof. Amir Shaikh	.....	19	
8	Dr. Mahesh M. Ghaisas	13	...	02
9	Prof. Subhash Kumbhar	10	...	
10	Prof. Mansi Wagdarikar	.....	01	....

3.4.7 What is the official policy of the institution to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

- As per the R & C policy mentioned in 3.1.4, the institution has a well-established mechanism to check malpractices and plagiarism in research.
- The R&D committee suggests undertaking plagiarism screening and generating reports from the research scholars and faculty members who wish to publish their work.

3.4.8 Does the institution promote multi/interdisciplinary research? If yes, how many such research projects have been undertaken and mention the number of departments involved in such endeavors?

- Please Refer to 3.1.5

3.4.9 Has the university instituted any research awards? If yes, list the awards.

- NA

3.4.10 What are the incentives given to the faculty and students for receiving state, national and international recognition for research contributions?

- The students and faculty are rewarded in the form of cash incentives and appreciation certificate.

3.4.11 Give details of the postgraduate and research guides of the institution during the last four years.

Table: 3.4.7 List of PG Teachers Approved and Recognized by SPPU

Sr. No.	Name of Faculty	Designation	Basic Qualification	PG Teacher Recog. Letter No & Date	Total Teaching Experience
1	Dr. Anagha Joshi	Principal & Professor	M. Pharm. Ph.D.	BUTR/Pharm/248-13 dt. 09/12/2010	21 Years
2	Dr. Dayanand Kannur	Associate Professor	M. Pharm. Ph.D.	BUTR/Pharm/1483-110 dt. 30/04/2012	14 Years
3	Dr. Ramesh Katedeshmukh	Professor	M. Pharm. Ph.D.	BUTR/Pharm/1483-94 dt. 30/04/2012	37 Years
4	Dr. Mahesh Ghaisas	Professor	M. Pharm. Ph.D.	BUTR/Pharm/1483-118 dt. 30/04/2012	20 Years

5	Dr. Suvarna Ingale	Associate Professor	M. Pharm. Ph.D.	BUTR/Pharm/248-41 dt. 26/11/2010	15 Years
6	Prof. Vishakha Hastak	Assistant Professor	M. Pharm.	BUTR/Pharm/1483-10 dt. 01/02/2012	14 Years
7	Prof. Subhash Kumbhar	Assistant Professor	M. Pharm.	BUTR/Pharmacy/17-803 dt. 13/07/2013	12 Years
8	Prof. Yogesh Pawar	Assistant Professor	M. Pharm.	BUTR/Pharmacy/43/712 dt. 30/06/2014	10 Years
9	Prof. Manasi Wagdarikar	Assistant Professor	M. Pharm.	BUTR/Pharmacy/08/1034 dt. 22/12/2016	8 Years
10	Prof. Amir Shaikh	Assistant Professor	M. Pharm.	BUTR/Pharmacy/33/1034 dt. 22/12/2016	9 Years
11	Prof. Archana Karnik	Assistant Professor	M. Pharm.	BUTR/Pharmacy/66/1032 dt. 23/09/2014	10 Years

Table: 3.4.8 List of Research Guides Approved and Recognized by SPPU

Sr. No. of Faculty	Name	Designation	Basic Qualification	PG Teacher Recog. Letter No & Date	Total Teaching Experience
1	Dr. Anagha Joshi	Principal & Professor	M. Pharm. Ph.D.	University of Pune: BUTR/Pharmacy/32/81 Dt. 25/01/2017. PRIST University: PRIST-CRD/PHD/RS-39/RS-PHM/2015	21
2	Dr. Mahesh Ghaisas	Professor	M. Pharm. Ph.D.	University of Pune: BUTR/Pharm/1483-118 Dt. 30/04/2012. PRIST University: PRIST/CRD/RS/Pharmacy/2012	20

3.5 CONSULTANCY

3.5.1 What are the official policy/rules of the institution for structured consultancy? List a few important consultancies undertaken by the institution during the last four years.

Table: 3.5.1 List of consultancies undertaken by the institution

Name of the faculty	Project title	Company
Research Consultancy		
Dr. Madhur Kulkarni	Development of Vitamin B1 tablets	NextGen Healthcare Pvt. Ltd., Mumbai
Dr. Anagha Joshi, Mrs. Manasi Wagdarikar	Development of analytical method for herbal drugs	A.J.Organica Pvt. Ltd
Dr. Madhur Kulkarni	Clinical trials of medical devices	Blue Planet Infosolutions (India) Pvt. Ltd
Dr. Madhur Kulkarni	Stability enhancement of the carotenoids	Amicon Rx Pvt. Ltd, Mumbai
Dr. Madhur Kulkarni	Development of pediatric nutraceutical formulation	Merck Consumer Health Pvt. Ltd, Mumbai
Dr. Anagha Joshi, Dr. R.G. Katedeshmukh	Development of veterinary formulations	Adesean Laboratories Pvt. Ltd.
Dr. Anagha Joshi, Dr. Abhijeet Gothoskar	Development of formulations for preclinical studies	VLife Sciences Technologies Private Limited
IPR Consultancy		
Mrs. Prerana Dongre	Copyright Filing	Blue Planet Infosystem (India)Pvt. Ltd.
Mrs. Prerana Dongre	Copyright Filing	Epione Pharmaceuticals Pvt. Ltd
Mrs. Prerana Dongre	Patent Drafting and Filing	Modern College of Pharmacy, Pune

Training Consultancy		
Dr. Madhur Kulkarni	Product training to sales and Marketing team	Epione Pharmaceuticals Pvt. Ltd
Mrs. Prerana Dongre	One Day workshop on Intellectual Property Rights,	Indira School of Business Management

3.5.2 Does the university have an industry institution partnership cell? If yes, what is its scope and range of activities?

Yes, ICP has Industry Institution Partnership Cell (IIPC). The scope and range of activities as follows:

- To arrange for the Guest lectures by the key resource persons of the industry
- To develop rapport with HR personnel of pharma and cosmetic companies.
- To arrange for campus interviews for students by inviting industry personnel.
- To identify and plan Industrial visits.
- To take efforts for collaborative research with industry
- To seek feasibility of placing undergraduate and post graduate students for training.
- To approach the industry for procuring gift samples of APIs and excipients.

Table: 3.5.2 Composition of IIPC cell

Sr. No.	Name of the Faculty	Department
1.	Dr.Anagha Joshi	Department of Pharmaceutical Chemistry
2.	Dr.Dayanand Kannur	Department of Pharmacognosy
3.	Dr.Madhur Kulkarni	Department of Pharmaceutics

3.5.3 What is the mode of publicizing the expertise of the institution for consultancy services? Which are the departments from whom consultancy has been sought?

Institute has motivated and encouraged faculty members for starting their own consultancy based on their specialized skill sets. For publicizing, ICP has allotted a separate web page for such consultancies under the heading of R& D cell. Further, institute gives financial support for printing and distribution of the Consultancy Brochures to various academic institutes and industries.

Table: 3.5.3 Composition of Consultancies

Sr. No.	Name of the Consultancy	Name of the Faculty member involved	Department
1	R & D Cell	Dr. Anagha Joshi	Department of Pharmaceutical Chemistry
		Dr. Dayanand Kannur	Department of Pharmacognosy
		Dr. Suwarna Ingale	Department of Pharmacology
		Dr. Madhur Kulkarni	Department of Pharmaceutics
		Prof. Yogesh Pawar	Department of Pharmaceutics
		Prof. Amir Shaikh	Department of Pharmaceutics
		Prof. Mansi Waghdarikar	Department of Pharmaceutical Chemistry
2	IPR Cell	Dr. Anagha Joshi,	Department of Pharmaceutical Chemistry
		Mrs. Prerana Dongre	Department of Pharmacognosy
		Mr. Vinod Honmote	Registered Patent Agent, Associate Team Lead, PI Industries Ltd

3.5.4 How does the institution utilize the expertise of its faculty with regard to consultancy services?

The IIPC of the institute approaches the industries with the expertise available with the college and accordingly the industry seeks for consultancy and research with the concerned faculty whenever the industry requirement and expertise available coincides.

Table: 3.5.5 List of Research Projects and Consultancies

Sr. No.	Name of the faculty	Project title	Company	Status
1	Dr. Madhur Kulkarni	Development of Vitamin B1 tablets	NextGen Healthcare Pvt. Ltd., Mumbai	Ongoing
2	Dr. Anagha Joshi, Mrs. Manasi Waghdarikar	Development of analytical method for herbal drugs	A J Organica Pvt. Ltd	Ongoing
3	Dr. Madhur Kulkarni	Consultancy for formulation development	Epione Pharmaceuticals Pvt.	Completed

		and visual aid development and training.	Ltd.	
4	Dr. Madhur Kulkarni	Clinical trials of medical devices	Blue Planet Infosolutions (India) Pvt. Ltd.	Completed
5	Dr. Madhur Kulkarni	Stability enhancement of the carotenoids	Amicon Rx Pvt. Ltd , Mumbai	Completed
6	Dr. Madhur Kulkarni	Development of pediatric nutraceutical formulation	Merck Consumer Health Pvt. Ltd, Mumbai.	Completed
7	Dr. Anagha Joshi, Dr. R.G. Katedeshmukh	Development of veterinary formulations	Adesean Laboratories Pvt. Ltd .	Completed
8	Dr. Anagha Joshi, Dr. Abhijeet Gothoskar	Development of formulations for preclinical studies	VLife Sciences Technologies Private Limited.	Completed

3.5.5 Give details regarding the consultancy services provided by the institution for secondary and tertiary health care centers and medical / dental practitioners.

➤ N/A

3.5.6 List the broad areas of consultancy services provided by the institution and the revenue generated during the last four years.

Table: 3.5.6 List of Research Projects Undertaken by consultancies and their Revenue

Sr. No.	Name of the consultancy	Details of the services provided	Revenue Generated in Rs.
1	Indira IPR Cell	One Day workshop on Intellectual Property Rights, Indira College of Pharmacy	20,000/-
		Copyright Filing for Epione Pharmaceuticals Pvt. Ltd	900/-

		One Day workshop on Intellectual Property Rights, for Indira School of Business Management	10,000/-
2	R & D Consultancy	Development of Vitamin B1 tablets for NextGen Healthcare Pvt. Ltd., Mumbai	1,12,000/-
		Development of analytical method for herbal drugs for A. J. Organica Pvt. Ltd	1,40,000/-
		Clinical trials of medical devices for Blue Planet Infosolutions (India) Pvt. Ltd	12,000/-
		Stability enhancement of the carotenoids for Amicon Rx Pvt. Ltd, Mumbai	47,000/-
		Development of pediatric nutraceutical formulation for Merck Consumer Health Pvt. Ltd, Mumbai	1,60,000/-
		Development of veterinary formulations for Adesean Laboratories Pvt. Ltd	30,000/-
		Development of formulations for preclinical studies for VLife Sciences Technologies Private Limited	1,00,000/-

3.6 EXTENSION ACTIVITIES AND INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)

3.6.1 How does the institution sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programs which have created an impact on students' campus experience during the last four years.

The college sensitizes faculty and students about social responsibilities through counselling, orientation programs conducted by the Principal and faculty members. Eminent personalities from the society like Commissioner of Police, Army personnel, who motivate and create awareness amongst the students and faculty members.

From the inception of ICP, our students and faculty members being responsible pharmacist, have enthusiastically organized / participated in the following social drives.

- Team ICP conducted a mass cleanliness drive with a motto of 'Plastic Free India' in in collaboration with PimpriChinchwad Municipal Corporation.
- ICP Students participated in the Pulse Polio campaign in collaboration with Health Department Central Government of India
- Girl students Participated at FICCI F10 fund raiser marathon to support the cause of women empowerment through increasing employment and encouraging entrepreneurship.
- ICP Students conducted a mass communication program in and around Pune for awareness about Dengue, in collaboration with Pune Municipal Corporation.
- ICP students participated with enthusiasm in Marathon for Breast Cancer awareness organized by Prashanti Cancer Care Mission.
- Our students, to fulfill their social commitment, participated in Voters awareness and motivation drive in PMC elections.
- Students of ICP conducted a mass communication program in and around Pune for awareness about Swine Flu, in collaboration with Pune Municipal Corporation.
- Pharmacy students participated with great enthusiasm in Pune Marathon, with a theme of – Race against HIV-AIDS.
- Pharmacy students carried an awareness drive for prevention of *Chikanguniya* in nearby villages of Pune.
- Our students performed street play on anemia and its causes/remedies etc. at hemoglobin detection camp for school children.
- Pharmacy students were a leading force in an environment rally '*My Earth My Valentine*' which created awareness regarding environmental protection, which was organized by Indira Group of Institutes.

3.6.2 How does the institution promote university-neighborhood network and student engagement, contributing to the holistic development of students and sustained community development?

The institution takes keen interest to cater to the holistic development of the student community. Various programs are organized throughout the year for mental, emotional and spiritual well-being of the students like-

Table: 3.6.1 List of various holistic development programs conducted by ICP

Sr. No.	Activity	Conducted by
1.	Session on Yoga and wellness	Dr. Nitin Unkule
2.	Session on Bramhavidya	Prof. Ajay Warade
3.	CARE Club	Dr. Tarita Shankar
4.	Session on Personality development	Prof. Rohinton Cooper
5.	Session on Nutrition for Girls students	Dr. Seema Sonis
6.	Session on Breast cancer awareness	Dr. Shona Nag
7.	Session on Grooming and Personality development	Dr. Tarita Shankar
8.	Annual Celebration of Ganesh festival, Navratri	Indira Group of Institutes
9.	Annual Social event (Cultural program- Spectrum)	Indira College of Pharmacy
10.	Sports week	Indira College of Pharmacy
11.	Indira Pharma Zeal (IPZ)	Indira College of Pharmacy
12.	National Pharmacy Week (NPW)	Indira College of Pharmacy
13.	Yoga Day Celebration	Prof. Amir Shaikh
14.	Social Drives under Swacch Bharat Abhiyan and Anti Plastic Drive	Indira Group of Institutes
15.	Samvedana Sessions	Prof. ManasiWagdarikar
16.	National Social service program	Prof. Amir Shaikh Prof. Sunil Kakad
17.	Independence Day Celebration	
18.	Republic Day	

3.6.3 How does the institution promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programs?

ICP has a NSS unit which is active in organizing various programs and camps. About 30 undergraduate students and faculty members went to Belawade Village, Tal. Mulshi, and stayed there 30th January to 5th February, 2017. During this camp they offered variety of social services to the villagers, list of which is given below.

Table: 3.6.2 List of NSS Activities

Sr. No	Name of the Activity	Description
1.	Street Play	To create awareness about communicable and infectious diseases like Dengue, H1N1,
2.	Speech on Hygiene and Nutrition	To understand the importance of maintaining personal hygiene and balance diet for healthy life.
3.	SwachataAbhiyan	To sensitize villagers for maintaining cleanliness in the village.
4.	Health Checkup Camp	Blood testing camp was conducted to check the blood group, random glucose levels, and blood pressure of the villagers.
5.	Tree Plantation	Samplings were planted in the school to emphasize the importance of the green environment
6.	Speech on Addiction	To explain the villagers about adverse effects of Tobacco and alcohol addiction.
7.	Science Through Fun	Games were conducted for school students to make them understand scientific principles.

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the institution to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

- During the NSS camps the students conducted surveys to evaluate the current social aspects of underprivileged people in the rural area of Belawade village.
- The students conducted the surveys regarding the prescription drug and storage habits.
- Survey related to herbal drugs and modern medicine interaction.

3.6.5 Does the institution have a mechanism to track the students' involvement in various social movements / activities that promote citizenship roles?

Yes, we have proper mechanism to track the students' involvement in various social movements/activities.

- We have received recognition from the local bodies for the service to society thus appreciating the citizenships role.
- Institute routinely takes the Feedback from the organizers of the program to check the student's involvement in the event.
- Institute rewards the students with Appreciation Certificates.
- Institute takes the Feedback from the beneficiaries of such social movements.

3.6.6 How does the institution ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the institution that have encouraged community participation in its activities.

ICP has been proactive in serving the community healthcare needs, in concurrence with our Mission.

- In our social drives, our aim is to serve the community; the institute encourages the community for participating in the awareness programs. ICP has time and again arranged various social drives as part of community outreach activity. Clean Hands Drive, Safety in Drugs Usage, Chikungunya, Dengue and the like.
- Institute collects the feedback from community participants of such outreach activities. During NPW celebration a drive was initiated for Creating awareness about safe use of Medicines.
- Institute organizes Street shows (PathaNatya) in Local languages such as Marathi and Hindi with the view of providing comprehensible information.
- Dr. Madhur Kulkarni gave a session on use of iron supplements and balance nutrition in eradication of iron deficiency anemia to the residents of Samrajya Co-operative Society, Pune.
- Considering significant increase in the incidence of Breast cancer, ICP has arranged a session on Breast cancer awareness for which Female relatives of all the students were invited. This session was a big successes since Mothers of many students attended it.

3.6.7 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

- Pune Municipal Corporation has conferred a commendation certificate, recognizing our self-motivated services in creating awareness of Swine Flu and Dengue during the Pandemics.
- The college is awarded as “*Best Institute in Pharmacy*” at the 9th Innovative Education Awards, held in Mumbai in the year 2017.
- ICP was awarded the college awarded as “*Top Performing Pharmacy Institute*” World Education Congress, Global awards 2016, Mumbai.
- The college was awarded as “*Best Educational Institute in Pharmacy*” at the World Education Congress 2012, Mumbai.
- Dr. Anagha Joshi received “Samaj Bhushan Puraskar” in January 2014, from Kavya Mitra Sanstha, Pune for her contribution as a pharmacist.

3.6.8 What intervention strategies have been adopted by the institution to promote the overall development of students from rural/ tribal backgrounds?

ICP has devised effective intervention strategies to ensure the overall development of students from rural/ tribal backgrounds which include:

- ICP has a Mentoring concept wherein the faculty members are allocated the responsibility of acting as a parent/guardian, we have appointed Mentors to all students, to counsel and guide the students from tribal as well as rural areas with respect to problems encountered by them.
- Institute has made the working in the administration block, where the communication is promoted in local language, the non-teaching staff as well supports these students by helping them in various endeavors required for the mental and social well-being of the students.
- As majority of the students from rural areas have language problems to assist them for improvement in their oral and written communication skills, language lab facilitates such learning Language Lab facility is available in the institute.
- Special consideration is given for the students from economically backward classes; the institute has made provisions for payment of fees in installments etc.

3.6.9 What initiatives have been taken by the institution to promote social-justice and good citizenship amongst its students and staff? How have such initiatives reached out to the community?

- ✚ The institute's vision is all inclusive growth by giving good education to all the students from various social strata. The institute follows all the norms and policies laid down by Directorate of Technical Education for social justice during the admission process. Following initiatives are taken:
 - The college passes on all the Govt scholarships to the students.
 - ICP has a separate Scholarship cell, to help the students to comply with the documentation related to the scholarship procedure.
 - ICP has a working Grievance cell and SC/ST cell.
 - ICP has constituted internal complaints committee to address the issues of sexual harassment of female employees and the students of the institute.
 - We follow the Government Reservation Policy in the faculty recruitment procedure, where the College Roster is approved by the Reservation cell of the University.
- ✚ ICP strongly believes in holistic development of the students and proactively nurtures the aspiring students into inspiring future citizens, each and every activity and practice followed, as well as the atmosphere maintained is conducive to develop responsible and good citizens.
- ✚ Apart from this, ICP has been actively involved in conducting activities which would instill the traits of good citizenship among the students like Rangoli competition based on the theme of "Save Girl Child", encouraging the students to Donate funds to Orphanages and the like

3.6.10 How does the institution align itself with the annual themes/programs of WHO/ICMR?

Belonging to the Pharmacy fraternity, we align our academic as well as Cocurricular activities based on the themes and programs of Indian Pharmaceutical Association (IPA) and Pharmacy Council of India (PCI). ICP regularly conducts various programs to celebrate the National Pharmacy Week and Pharmacist's Day. Every year the college participates in the local IPA chapter programs.

Table: 3.6.3 List of Programs conducted by ICP

Year	NPW Theme	Pharmacists Day
2013	‘Pharmacist: A Healthcare Professional’	‘Proud to be Pharmacist’.
2014	‘Responsible use of Medicines : Role of Pharmacist’	‘Access to Pharmacist is access to health’.
2015	‘Responsible use of Antibiotics Saves Lives’	‘Pharmacist: Your Partner in Health Drug Safety Drive’.
2016	‘Pharmacists for a Healthy India; Role in Prevention and Management of Diabetes.’	‘Pharmacists: Caring for you’.

ICP aligns its research projects with the thrust areas identified by ICMR such as key nutritional deficiencies among Indian citizens. Research projects involving development of oro-dispersible calcium supplements and that of essential fatty acid supplements for pediatric use have been undertaken and successfully completed so far.

3.6.11 What is the role of the institution in the following extension activities?

➤ **Community outreach health programs for prevention, detection, screening, management of diseases and rehabilitation by cost effective interventions. Awareness creation regarding water-borne and air-borne communicable diseases. Awareness creation regarding non-communicable diseases - cardiovascular diseases, diabetes, cancer, mental health, accident and trauma, etc.**

- ICP has organized and conducted various programs to create awareness related to various communicable diseases like Swine Flu, Dengue, Importance of Clean Hands, and importance of Hemoglobin.
- Pharmacy students carried out an awareness drive for prevention of *Chikanguniya* in nearby villages of Pune.
- Under the NSS camp various social activities like Street Play, Speech on Hygiene and Nutrition and Swachata Abhiyan were conducted to create awareness about communicable diseases, importance of maintaining personal hygiene and balance diet for healthy life. Moreover, special Health Checkup Camp was conducted to detect problems of the blood pressure and diabetes in villagers.

- **Awareness creation regarding portable water supply, sanitation and nutrition. Awareness creation regarding the role of healthy life styles and physical exercise for promotion of health and prevention of diseases. Pharmaco economic evaluation in drug utilization.**
 - Various lectures have been organized to focus on nutrition and dietetics.
 - Our students have participated in ‘Swachh Bharat Abhiyaan’ and social drives related to cleanliness and sanitation.
 - Various social drives in Safety of drug usage.
 - Girl students Participated at FICCI F10 fund raiser marathon to support the cause of women empowerment through increasing employment and encouraging entrepreneurship.
- **Participation in national programs like Family Welfare, Mother and Child Welfare, Population Control, Immunization, HIVAIDS, Blindness control, Malaria, Tuberculosis, School Health, anti-tobacco campaigns, oral health care, etc.**
 - ICP Students participated in the Pulse Polio campaign in collaboration with Health Department Central Government of India.
 - Pharmacy students participated with great enthusiasm in Pune Marathon, with a theme of – Race against HIV-AIDS.
 - ICP students participated with enthusiasm in Marathon for Breast Cancer awareness organized by Prashanti Cancer Care Mission.
- **Promotion of mental health and prevention of substance abuse.**
 - Various lectures and programs are organized to create awareness related to substance abuse and psychological dependency.
 - Care Club is a platform where chairperson of IGI group Dr. Tarita Shankar personally counsels the students as well as faculty members in case they are going through emotional distress or mental trauma or difficulties.
- **Awareness creation regarding AYUSH systems of medicines in general;**
 - Dr. Sunita Belgamwar Maharashtra Ayurved Centre Pvt. Ltd. (AYUSH Industry Cluster, MH) Govt. of India, conducted a session for introducing various aspects of Indian Traditional Systems of Medicines.

- ICP also arranged for one day Visit to Maharashtra AyurvedCenterPvt. Ltd to make the students aware of medicinal plants of India, formulation development and manufacturing of Ayurvedic medicines.

3.6.12 Do the faculty members participate in community health awareness programs? If yes, give details.

Faculty actively participates along with students in the community health awareness programs. The details are as follows:

- Clean Hands Drive, Safety in Drugs Usage, Chikungunya, Dengue.
- NPW celebration: Creating awareness about safe use of Medicines.
- Pulse Polio campaign in collaboration with Health Department Central Government of India.
- Pune Marathon, with a theme of – Race against HIV-AIDS.
- Marathon for Breast Cancer awareness organized by Prashanti Cancer Care Mission.
- ‘Swach Bharat Abhiyaan’ and social drives related cleanliness and sanitation.
- Street shows (PathaNatya)
- A medical camp was conducted for School children of Parandwadi Village Tal. Mawal wherein the Blood Gr. Detection and Eye check- up were performed by the faculty members.
- Apart from the above activities faculty members also involve on individual level for the community health awareness. Dr. Madhur Kulkarni gave a session on role of iron supplements and balanced nutrition to the residents of Samrajya CHS society, Pune which helped the society to increase the number of blood donations during the blood donation camp that was organized subsequently.
- Dr. Madhur Kulkarni in April 2016 delivered a session on role of community pharmacist to the school children who participated in summer camp organized by Mukangan Laboratories Kothrud, creating the awareness about the Pharmacy profession among them. She also delivered a session on importance of balanced nutrition to the girl students of Sinhgad Institute of Pharmacy, Vadgaon in March 2016.

3.6.13 How does the institution align itself and participate in National program for prevention and control of diseases?

- Please refer point 3.6.10

3.7 COLLABORATIONS

3.7.1 How has the institution's collaboration with other agencies impacted the visibility, identity and diversity of campus activities? To what extent has the institution benefitted academically and financially because of collaborations?

(Please refer point 3.1.13)

- ✚ The institute has established a long collaborative association with various colleges, research organizations, hospitals, industries and Govt. laboratories to facilitate and strengthen research activities as well as holistic development of the student community.
- ✚ These collaborative initiatives have helped the institute to generate funds to the tune of Rs.6 lakhs.
- ✚ It has helped to build the institute's image as a strong Pharmacy education hub.

3.7.2 Mention specific examples of how these linkages promote

The institute has immensely benefited from the collaborations, in the following manner:

Table: 3.7.1 Details of various collaborative activities and their Impact

Sr. No	Collaboration	Agency	Impact
1	Research & Consultancy	<ul style="list-style-type: none"> ➤ VLife Sciences Technologies Private Limited ➤ Merck Consumer Health Pvt. Ltd, Mumbai ➤ Amicon Rx Pvt. Ltd, Mumbai 	Revenue generation to the tune of Rs. 6 lakhs

		<ul style="list-style-type: none"> ➤ NextGen Healthcare Pvt. Ltd., Mumbai ➤ A J Organica Pvt. Ltd ➤ Blue Planet Infosolutions (India) Pvt. Ltd ➤ Adesean Laboratories Pvt. Ltd 	
2	Research promotion at institute	Cadila Healthcare Pvt. Ltd, IPCA Laboratories Pvt. Ltd., Indeus Healthcare Pvt. Ltd, Lupin Research Park Pvt. Ltd., Colorcon Asia Pvt. Ltd, BASF India Ltd., Gattefosse India Pvt. Ltd., Abitech Corporation Pvt. Ltd., FDC Pvt. Ltd.	To procure gift samples of drugs and polymers for the post graduate research projects. To acquire used equipment and instruments for
3	Curriculum	Aditya Birla Memorial Hospital	Internship & training to the Pharma D students.
4	Social drives and Awareness Programs	<ul style="list-style-type: none"> ➤ Mass cleanliness drive with a motto of ‘Plastic Free India’, Pimpri Chinchwad Municipal Corporation. ➤ Pulse Polio campaign in collaboration with Health Department Central Government of India. ➤ Awareness about Dengue, in collaboration with Pune Municipal Corporation. ➤ Awareness about Swine Flu, in collaboration with Pune Municipal Corporation. 	<p>This has increased the community inclusiveness and has helped to make students more responsible.</p> <p>It has helped overall branding of the institute.</p>

5	Curriculum Development	Fergusson College, Pune	Faculty & students exchange program and biochemistry practical.
		Amicon Rx Pvt. Ltd, Mumbai	Workshop on “Mastering Quality Assurance Documents”
		Dr D Y Patil College of Pharmacy, Akurdi, Pune	Academic exchange
6	Internship	L’Oreal, Emcure Pharmaceuticals Ltd, Nulife Pharmaceuticals, Libra drugs, Glennmark, Wockhardt, Cipla, Adaesan Labs, Cadila Research Centre, Mumbai.	6 months internship allotment to graduate and post graduate research students
7	On-job training	Cadila Research Centre, Mumbai., Blue Planet Infosolutions (India) Pvt Ltd., Loreal, Adaesan, Gansons Pvt. Ltd.	Hands on training to students with varied exposure to industrial setups.
8	Faculty exchange and development	J. B. Chemical, ACG Technologies Ltd, Libra drugs, Amicon Rx Pvt. Ltd, Epione Pharmaceuticals Pvt. Ltd	Faculty attended various training and advancement programs.
9	Publications	JSPM College of Pharmacy & Research. Pinnacle Biomedical Research Institute Bhopal. BVDU’s, Poona College of Pharmacy, PES, Modern college of pharmacy, Nigadi.	14 Research publications have been published in collaboration with researchers from other institutes.

		Y. B. Chavan College of Pharmacy, Aurangabad. Pacific University, Udaipur R. C. Patel Institute of Pharmaceutical sciences and research, Shirpur.	
10	Student Placement	Abott, Astrazeneca Pharma Ltd, Tata Consultancy Services, Sanofi, Zyphars, Sun Pharma, IB Group, Zuventus, Cognizant Healthcare, Novartis, Unichem laboratories Pvt Ltd, Vagmine Healthcare, Teva India Pvt. Ltd, Mankind Healthcare, (Vet Division) and Cian Healthcare	60 students have been placed.

3.7.3 Has the institution signed MoUs or filed patents with institutions of national/international importance/other universities/ industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the institution?

- ✚ Yes, institute has signed MoUs with Merck Consumer Health Pvt. Ltd, Amicon Rx Pvt. Ltd, Mumbai, ACG Technologies Ltd, Adison and VLife Sciences Technologies Private Limited; this has resulted in revenue generation, faculty exchange and training programs, this boosting the research and development activity in the institute.
- ✚ IGI has got international tie-up with “Our Lady Fatima University”, Philippines for faculty and student exchange as well as collaborative research activities.
- ✚ ICP has filed Patent in collaboration with BVDU’s, Poona College of Pharmacy, Pune and MGV College of Pharmacy, Nashik, JSPM college of Pharmacy, Pune.

3.7.4 Have the institution-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

Yes, FDC limited has donated advanced and sophisticated instruments to ICP under institution-industry interactions which has led to upgradation of laboratories and facilities.

3.7.5 Give details of the collaborative activities of the institution with the following:

➤ Local bodies/ community:

Team ICP conducted a mass cleanliness drive with a motto of 'Plastic Free India' in collaboration with Pimpri, Chinchwad Municipal Corporation.

➤ State government / Central government /NGOs

➤ ICP Students participated in the Pulse Polio campaign in collaboration with Health Department Central Government of India.

➤ Indira Group of Institutes (IGI) under the visionary leadership of its Chairperson, Dr. Tarita Shankar, has initiated - Indira's Sustainable Maharashtra Initiative(ISMI). This initiative is helping one child each from identified families (where the sole bread earner has committed suicide) by educating them and helping them to get employed with a steady job, thus augmenting their family income, and standard of living. IGI also believes that such economic independence is more likely to ensure that such farmer's children will take forward the legacy of educating their own children, thus breaking the cycle of poverty and hunger.

➤ National bodies:

➤ ICP has always supported and motivated its faculty members to be a part of events organized by various national associations like: Association of Pharmaceutical Teachers of India (During the 19th APTICON Pune, ICP faculty members worked in the steering committees), Society of Ethnopharmacology, Indian Pharmaceutical Association.

➤ Dr. Anagha Joshi has been working as a member of CPCSEA functioning under the ministry of Environment, Forest and Climate Change.

➤ **International agencies:**

IGI has got international tie-up with “Our Lady Fatima University”, Philippines for faculty and student exchange as well as collaborative research activities.

➤ **Health Care Industry** – Biomedical, Pharmaceutical, Herbal, Clinical Research Organization (CRO)

ICP has a signed a MOU with Aditya Birla Memorial Hospital for conduct 6 years Pharm D course.

3.7.6 Give details of the activities of the institution under public-private partnership.

➤ **NA**

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**4.1 PHYSICAL FACILITIES****4.1.1 How does the institution plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?**

As per the guidelines and norms set by the apex bodies (AICTE, PCI, University, DTE etc) management of the college has exclusively provided land and building facilities to run B. Pharm and M. Pharm courses. The college has well equipped laboratories, class rooms, administrative office and library, seminar hall, common rooms for boys and girls, faculty room, wash rooms, hostel facility, play grounds for indoor and outdoor games, gymnasium and auditorium for students to conduct various curricular and extracurricular activities.

- ✚ All laboratories are fully equipped with water, gas and electricity supply and safety features (fire extinguishers), which provides good atmosphere for academic and research work.
- ✚ The class rooms are provided with the facilities for conventional (black/glass board) as well as audiovisual teaching (LCD Projector) and have comfortable seating arrangements for the students.
- ✚ Computer lab is equipped with adequate numbers of computers with internet facility.
- ✚ Library is enriched with excellent quality furniture which provides comfortable atmosphere for students and faculty to use electronic and print references.
- ✚ 200 seating capacity Seminar hall with centralized AC is provided.
- ✚ Air conditioned Conference room is available for faculty meetings.
- ✚ Centralized State of art auditorium with a 500 seating capacity is available campus for academic and cultural activities.
- ✚ College has 24X7 power supply from MSEB supported with 50KV generator backup.
- ✚ A separate water supply from Municipal Corporation is provided which supplies water in adequate amount daily.
- ✚ The college has effluent treatment plant and treated water is recycled for gardening purpose.
- ✚ College has well maintained roads and paving blocked footpaths from all sides.
- ✚ College has sufficient space for 2-wheelers and 4-wheelers parking supervised through CCTV and by a security personnel.

- ✚ Terrace of college building has been protected by Lightening guard.

The Management has provided state of art infrastructural facility for good teaching-learning environment and welcomes any renovation/ changes in the physical facilities and infrastructure if suggested by stakeholders.

4.1.2 Does the institution have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Yes. College has the policy for creation of infrastructure for the promotion of teaching-learning environment. This is reflected in budgetary provisions under various heads like building, furniture, library, computer and equipments.

Few recent such initiatives are

- LCD projectors are installed in classrooms to facilitate an efficient delivery of academics.
- Advancement of computer configuration as per the need of faculty and students.
- CCTV cameras are installed in vital areas like examination section, library and at entrance etc.

4.1.3 Has the institution provided all its departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes, College has separate common rooms for male and female students. HOD and senior faculty members have been provided separate rooms with essential furniture and computer facility.

There is separate staff room for other faculty members with essential furniture and computer facility. Separate common rooms are provided for boys and girl students with attached wash room.

4.1.4 How does the institution ensure that the infrastructure facilities are barrier free for providing easy access to college for the differently-abled persons?

- ✚ The college has ensured facilities for differently-abled persons by providing ramp, wheelchair and elevator facility for differently-abled persons.
- ✚ College has provided supplementary infrastructural facilities for physically disabled students. The provision of modified wash room and wheelchairs are made for them.
- ✚ The seating arrangement in the class, practical and laboratory platforms and library are designed for the convenience of the differently-abled persons.

4.1.5 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

Sports: The sport week is organized every year in the college where the students are promoted to exhibit their talents. College encourages the students to participate in intercollegiate and inter-university tournaments.

Following sports facilities are available

- ✚ Indoor sports facilities like table-tennis, chess and carom on campus.
- ✚ Basket Ball Court on campus.
- ✚ Volley ball court on campus.
- ✚ Well Equipped Gymnasium for boys and girls.

Cultural Activity: Cultural activities are conducted every year in the form of annual event 'Spectrum'. Students and staff are fully encouraged to participate in these activities. Frequently, days are celebrated on campus to enlighten curricular burden.

AC Seminar hall and AC auditorium is provided to conduct academic and other cultural activities.

4.1.6 What measures does the institution take to ensure campus safety and security?

- ✚ College campus is secured by a compound wall from all the sides and there is a single door access for all, which is manned by security personnel.
- ✚ The visitors are registered and entry book is maintained.
- ✚ Identity card is mandatory for students and staff to enter in the campus.
- ✚ Security services are there in place for 24 x 7.
- ✚ Important areas inside the campus are under CCTV surveillance.
- ✚ The college corridors and laboratories are installed with fire extinguishers at different places. Pharmaceutical Chemistry Laboratory is equipped with fuming chamber to reduce exposure to harmful gases.
- ✚ Safety precaution charts are displayed in laboratories.
- ✚ Safety goggles and eye washers are made available wherever required, to the students and faculty working in the laboratories.
- ✚ Separate storage facility for corrosive / inflammatory solvents / chemicals is provided.



4.1.7 Facility of Animal House

ICP has a well maintained Animal house

- ✚ Is animal house maintained as per CPCSEA guidelines?

Yes, the college has well maintained animal house as per CPCSEA guidelines (Registration number 1265/PO/Re/S/2009/CPCSEA).

- ✚ Whether records of animal house are maintained for learning and research activities?

Yes, strict protocols have been set up and SOP's are followed in maintaining the animal house. All the records and data of animal house usage are maintained as per the norms of CPCSEA.

- ✚ Does the animal house have approval for breeding and selling experimental animals as per CPCSEA guidelines?

No, the animal house is strictly for research and housing purpose and we do not have approval for breeding.

4.1.8 Provide the following details on the use of laboratories / museums as learning resources:

- ✚ College has total 14 well developed and fully equipped laboratories viz. Pharmaceutics Laboratory I –II, Pharmaceutics Postgraduate Research Laboratory, Industrial Pharmacy Laboratory, Pharmaceutical Microbiology Laboratory with aseptic area. Pharmaceutical Chemistry Laboratory I - II;

Pharmaceutical Analysis Laboratory, Centralized Instrumentation Room, Pharmacognosy Laboratory I, Pharmacology Laboratory I – II, Quality Assurance Techniques Postgraduate Research Laboratory.

- ✚ Industrial Pharmacy Laboratory with a well-built area is equipped with pilot scale machineries for granulation, tablet compression, tablet coating, capsules filling and liquid manufacturing and filling.
- ✚ The central A/c sophisticated instrumentation room is equipped with sophisticated instruments like Double Beam UV-Visible Spectrophotometer, HPLC, etc. Each instrument is provided with power backup wherever required.
- ✚ All laboratories and equipments are well maintained periodically, proper job cards and log books are maintained.
- ✚ Laboratories are upgraded time to time by procuring equipments as per the requirements of the specific research projects and the change/revision in university syllabus.
- ✚ Maintenance works in laboratories are carried out periodically or as per the request by college maintenance department.
- ✚ Maintenance services for equipments and LPG connections in laboratories are hired from outside whenever required.
- ✚ The animal house is upgraded according to the recommendations of CPCSEA guidelines.
- ✚ The college has a well-established and maintained museum at different locations. Museums are composed of human skeleton, drugs, different varieties of plants, crude drugs and specimens and marketed formulations

Table No. 4.1.1: List of Laboratories with subject name and code

	Laboratory	Year / Semester	Subject name with code	Learning resources
	Pharmaceutics – I	Semester – I	Modern Dispensing Practices,	It deals with formulation of suspension, emulsion, lotion and other pharmaceutical dosage forms. Facilities provided: Magnetic Stirrer, Dissolution Test Apparatus, Disintegrating Test Apparatus (Single and Double Basket), Bottle Filling Machine (liquid), Friability Test Apparatus, Ball Mill, Bottle Sealing Machine, Lipstick Moulds, Homogenizer, Double Glass Distillation Apparatus, Coating Pan, Deionizer, Conical Percolator and Mechanical Agitator
	Pharmaceutics – II	Semester – I Semester- VIII	Pharmaceutics – I, Advanced Drug Delivery Systems	It deals with formulation of suspension, emulsion, lotion, other dosage forms. Facilities provided: Collapsible Tube Filling Machine, Ampoule Filling and Sealing Machine, Hand Operated Tablet Machine, Stage Micrometer, Ocular Eyepiece, Viscometer, Deep Freezer, Magnetic Stirrer and Test Sieves
	Pharmaceutics – III	Semester- III, Semester- II	Pharmaceutical Microbiology, Dosage Form Design	It deals with identification, staining and count of microorganisms. Also preparation of different media for the growth of microorganism. The formulation of different sterile dosage forms and their quality control parameters are studied. Facilities provided:

				Clean Room, Laminar Air Flow, Vertical Autoclave, Incubator,
	Machine Room	PG, UG	Pharmaceutics, Quality Assurance Techniques	It deals with study of formulation of different dosage forms, their quality control aspects, study of different parameters, dissolution study etc. Facilities provided: Spray Drier, Leak Test Apparatus, Brookfield Viscometer, Multistation Rotary Tablet Machine, UV-Visible Spectrophotometer, Dissolution Test Apparatus, Coating Pan, Bulk Density Apparatus, Digital Programmable Friability Apparatus, Disintegrating Test Apparatus, Moisture Balance, Microcentrifuge and Capsule Filling Machine
	Pharmaceutical Chemistry - I	Semester – I, Semester-III	Pharmaceutical Inorganic Chemistry, Pharmaceutical Organic Chemistry-I and II, Pharmaceutical Biochemistry,	It deals with study of qualitative analysis of the compounds, preparation of inorganic compounds, standardization of the compounds, estimation of the blood and urine constituents, isolation of DNA and proteins, different titrations, assay methods, spectroscopic estimations. Facilities provided: Colorimeter, Centrifuges, Hot Air Oven, Electronic Digital Balance, Deep Freezer, Thermostatic Electric Water Bath, All Glass Distillation Apparatus, Melting Point Apparatus, Fuming Cup-Board and Vacuum Pump
	Pharmaceutical Chemistry – III	Semester-IV, V, VI, VII, VIII	Pharmaceutical Medicinal Chemistry – I, II, III and IV Pharmaceutical Analysis-I	It deals with the study of the synthesis of different drugs and their characterization. Facilities provided: Magnetic Stirrer, Hot Plate, Water Jet Vacuum Pump, Melting Point Apparatus, Hot Air Oven, Digital Electronic Balance

Pharmaceutical Analysis	T. Y. B. Pharm.	Pharmaceutical Analysis – II	It deals with the study of the spectroscopic estimation, analysis and spectral analysis of different drugs. Facilities provided: Double beam UV-Visible Spectrophotometer, Single Beam UV-Visible Spectrophotometer, Flame Photometer, Photoflurometer/photofluorometer), Nephelo Turbidity Meter, pH Meter, Conductivity Meter, Karl-Fischer Apparatus, Abbe's Refractometer, Polarograph, Magnetic Stirrer and Sonicator
Pharmacognosy	Semester – II, III, IV, V, VI, VII	Pharmacognosy, Pharmacognosy and Phytochemistry -I, II, Natural Products Chemistry, Herbal Formulations	It deals with the study of identification, extraction, isolation and characterization of crude drugs from herbal origin. Facilities provided: Simple, Compound and Digital Photographic Microscope, Drug Charts and Models, Clevenger Apparatus, Soxhlet Apparatus, Muffle Furnace, UV-Chamber, Electric Water Bath, Electronic balance, Hot Air Oven, Mixer, Projection Microscope, Heating Mantle
Pharmacology – I	Semester – I, Pharma D- First year	Human Anatomy and Physiology – I, Organic Chemistry, Inorganic Chemistry	It deals with the study of human organs models, slides, WBC and RBC count and estimation of blood and urine constituents. Facilities provided: Human Skeleton, Models, Compound Microscope, WBC and RBC slide Haemoglobinometer, Charts, Hemodialysis Machine, Spirometer and Blood Pressure Measurement Apparatus
Pharmacology – II	T. Y. B. Pharm.	Pharmacology – I	It deals with the study of different assay methods on different animal organs. Facilities provided: E-8 Student Kymograph drum, Rota-Rod Apparatus,

				Electroconvulsometer, Digital Photoactometer, Pole-Climbing Apparatus, Infrared Actiometer System and Student Organ Bath
Quality Assurance Techniques Postgraduate Research	Semester – I	Advanced Quality Assurance Techniques		It deals with study of IPQC on products. Facilities provided: Stability Test Chamber, Autoclave (fully automatic), Photofluometer, Electric Water Bath, All Glass Distillation Apparatus, Conductivity Meter, pH Meter and Test Sieves
Instrument Room	Semester – I	Advanced Analytical Techniques		It deals with the study of spectrophotometric analysis of the drugs and new compounds. Facilities provided
Pharm D Laboratory	Pharm. D First year	Human Anatomy and Physiology – I, Medicinal Biochemistry		It deals with the study of different screening models for animals by using various drugs and natural isolated compounds. Facilities provided: Electroconvulsometer, Analgesiometer, Histamine Chamber, Digital Plethysmometer, E-8 Student Kymograph Drum, Organ Bath and Bacteriological Incubator
Pharmaceutics Postgraduate Research	Semester – I Semester-II	Advanced Pharmaceutics , Formulation Development		It deals with study of formulation of different dosage forms, study of different quality control parameters, stability factors etc. Facilities provided: BOD Incubator, Orbital Shaking Incubator, Sonicator, Electric Water Bath, Heating Mantle, Aseptic Cabinet and Hot Air Oven

4.1.9 Dentistry NA

- * Dental chairs in clinic – specialty wise
- * Total dental chairs
- * Schedule of chair side teaching in clinics – specialty wise
- * Number of procedures in clinics per month and year

- * Mobile dental care unit
- * Facilities for dental and maxillofacial procedures
- * Dental laboratories

4.1.10 Pharmacy

Pharmaceutical Science Laboratories -	12 Laboratories
Museum for drug formulations -	Well placed innovative museum.
Machine room –	1 Machine Room
Herbarium / crude drug museum –	Well stocked Crude drug Museum in Pharmacognosy Laboratory.
Balance room –	3 Balance rooms are available
Chemical store -	Well stocked, properly ventilated Store room is available.
Instrumentation facilities -	1 Instrumentation Room with Sophisticate analytical instruments is available.
Pilot plant -	Available.
Computer aided laboratory -	Available.

4.1.11 Yoga and Naturopathy - Not Applicable

4.1.12 Homoeopathy - Not Applicable

4.1.13 Nursing - Not Applicable

4.1.14 Ayurveda - Not Applicable

4.1.15 Does the institution have the following facilities? If so, indicate its special features, if any.

- Not Applicable
- * Meditation Hall
- * Naturopathy blocks

4.1.16 Provide details of sophisticated equipments procured during the last four years.

Table No. 4.1.2: Department-wise list of equipments with their make and cost.

Year	Name of equipments	Qty	Make	Department	Amount (Rs./-)
2013-14	Digital tablet hardness	1	NAPRO	Pharmaceutics	88,063.00
	Autoclave lab fermentor	1	NAPRO	Pharmaceutics	1,87,805.00
	Ph control system fermentor	1	NAPRO	Pharmaceutics	63,406.00
	Vertical autoclave	1	NAPRO	Pharmaceutics	61,125.00
	Circulating water bath	1	BIOMED	Pharmaceutics	43,202.00
	Digital microscope	1	LABMOED	Pharmaceutics	1,04,475
	MEC seal	1	NATIONAL ELECTRICALS	Pharmaceutics	2,250.00
	Vertical autoclave	1	NAPRO	Pharmaceutics	64,125.00
	Circulating water bath	1	BIOMEDIA	Pharmaceutics	43,222.00
	Digital microscope	1	NATIONAL ELECTRICALS	Pharmaceutics	2,250.00
2014-15	Digital top balance	08	Capacity division	Each department two	28,000.00
	Vacuum pump oil	1	EPCOS	Pharma chemistry	10,100.00
	Senior rotary microtome	1	Micron	Pharmacognosy	32,500.00
	Distillation plant cap	1	MIC	Pharmaceutics	17,250.00
	Distillation plant cap	1	MIC	Pharmaceutics	17,250.00
	Photoelectric Colorimeter	1	AE Max	Pharma analysis	10,400.00
	Melting point	2	LABTRONICS	Pharma chemistry	43,200.00
	Histamine chamber	1	LABTRONICS	Pharmacognosy	10,625.00
2015-16	JASCO u v	1	JASCO	Pharma analysis	6,50,000
	Digital micro processor	1	Four tech	Pharmaceutics	83,250.00
	IR lamp assembly	1		Pharma chemistry	2,000.00

2016-17	Abb's refractometer	1	Rajdhani	Pharmacognosy	39,960.00
	Flame photometer	1	Labtronics	Pharma chemistry	38,750.00
	Compound microscope	13	Micron	Pharmacognosy	70,850.00
	Digital top balance	02	Skeletec	Pharmaceutics	65,750.00
	Refrigerator	1	Whirlpool	Store	18,000.00
	BOD incubator	1			81,250.00

4.2 CLINICAL LEARNING RESOURCES – NOT APPLICABLE

4.3 LIBRARY AS A LEARNING RESOURCE

4.3.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been implemented by the committee to render the library student/user friendly?

Table No. 4.3.1: Library Advisory committee

Sr. no	Name	Designation
1	Dr (Mrs). Anagha M. Joshi	Chairperson
1	Mrs. Prerna Dongre	Secretary
2	Mr. Samadhan Gaikwad	Assistant Librarian/ Member
3	Ms. Prerana Bramhe	Student member
4	Mr. Namit Kamble	Student member

- ✚ Suggestions regarding timings, reading places for students and Faculty
- ✚ Suggestions regarding addition of titles and volumes are entertained
- ✚ Because of change in syllabus with In-semester Cont. assessment pattern, College can adopt any assessment tool suggested by SPPU. On this, Library advisory committee suggested to follow Open Book Tests option to assess students where they have to use this library facility extensively and compulsorily to write suitable answers to given questions.
- ✚ Barcodes are pasted on the Books. Librarian has barcode reader. He issues no. of books in short time with proper record

4.3.2 Provide details of the following:

- ✚ Total area of the library (in Sq. Mts.) - 181.87 sq. mtrs

✚ Total seating capacity- 85 Persons

* Working hours (on working days, on holidays, before examination, during examination, during vacation)

Table No. 4.3.2: College library working hours

Sr. no.	Days	Hours
1	Working Days	8:00 am to 8:00 pm
2	Holidays	Nil
3	Before and during exam	8:00 am to 9:00 pm
4	During vacations	NIL

✚ Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

Layout has been displayed in the library.

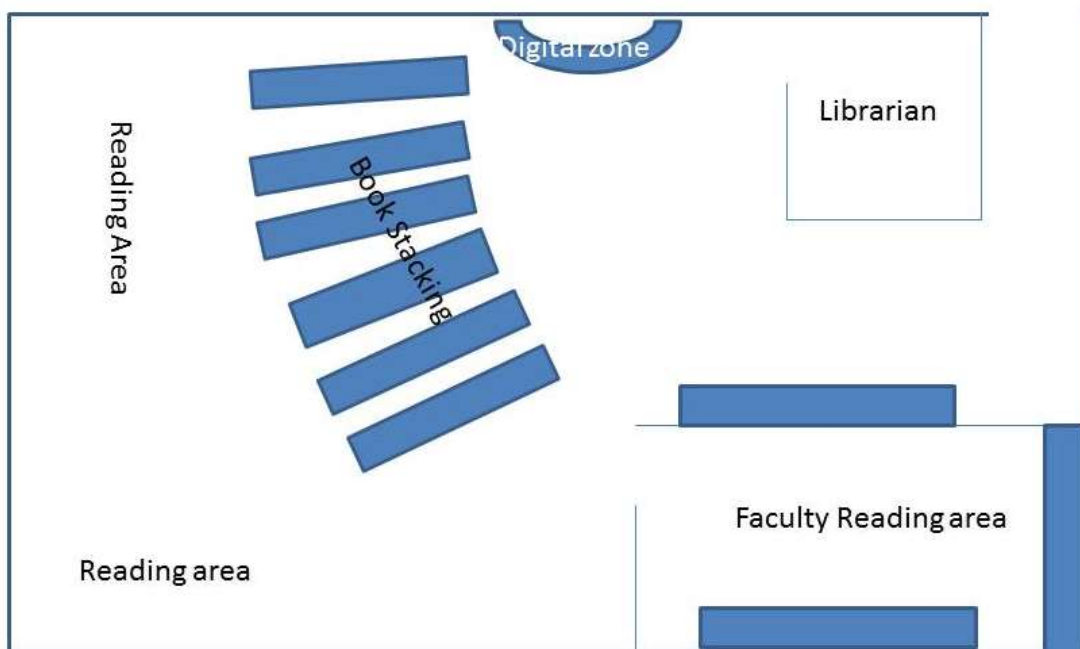


Figure 4.1: Library layout

✚ Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection

- Reference and Text Books are staked according to subjects and sign boards are displayed.
- Fire extinguishers and alarms are installed in the library in case of emergency.
- Access to differently abled user – Lift facility is available, Ramp is provided at the entrance, wheel chair facility is also available.

- Free access has been provided for the referencing and in-house study purpose.
Control access for issuance of books.

Table No. 4.3.3: List of library staff with their qualifications:

Sr. no	Name	Qualification	Designation
1	Mr. Mangesh Kuman	M. Lib, M. Phil	Chief Library Controller
2	Mr. Samadhan Gaikwad	M. A.; M. Lib.	Assistant Librarian
3	Mr. Raviraj Londhe	HSC qualified	Library Peon

4.3.3 Give details of the library holdings:

- Print (books, back volumes, theses, journals)
- Average number of books added during the last three years
- Non Print (Microfiche, AV)
- Electronic (e-books, e-journals)
- Special collections (e.g. text books, reference books, standards, patents)
- Book bank --- Not available
- Question bank ---yes, last five years question papers of SPPU

Table No. 4.3.4: List of references with their quantity

Sr. No.	Particulars	Quantity
1	No. of titles	1925
2	No. of volumes	10043
3	No. of national journals	00
4	No. of international journals	11
5	No. of e-books	259
6	No. of e-journals	68
7	No. of news papers	04
8	No. of magazines	04
9	No. of PG theses	75
10	No. of UG theses	398



Table No. 4.3.5: Year-wise list of purchase in titles and volumes

Sr. No.	Year	Quantity	
		Titles	Volumes
1	2016-17	150	848
2	2015-16	86	630
3	2014-15	122	600
4	2013-14	282	746
5	2012-13	285	910
6	2011-12	267	700

Table No. 4.3.6: Microfiche and AV

Sr. No.	Microfiche	AV
1	A card or sheet of microfilm capable of accommodating and preserving a considerable number of pages, as of printed text, in reduced form.	100

Table No. 4.3.7: Library stock details

Sr. No.	Particulars	Quantity
1	Text books	8343
2	Reference books	365
3	Standards (Official books like I.P.,B.P., U.S.P.)	03
4	Patents	00

4.3.4 To what extent is ICT deployed in the library? Give details

Table No. 4.3.8: Digital library details

Sr. No.	Particulars	Remark
1	Library automation	Software for issue and receipt of books Barcode to books OMR for entry
2	Computers for general access	3
3	Total numbers of printers for general access	1
4	Internet band width speed <input type="checkbox"/> 2mbps <input type="checkbox"/> 10 mbps <input type="checkbox"/> 1 GB	2 mbps
5	Institutional Repository	Yes, available
6	Content management system for e-learning	OPAC- open public access catalog, SLIM21-Software,
7	Participation in resource sharing networks/consortia (like INFLIBNET)	Library central networking available. Sharing networks with other libraries viz. Jaykar etc. Delnet and National Digital Library resources are available.

4.3.5 Give details of specialized services provided by the library with regard to

- Reference - Physical referencing form book. E-journal referencing form Delnet and National Digital Library group is available.
- Reprography / scanning–Yes. Xerox and scanning facility is available.
- Inter-library Loan Service –Yes. Inter departmental loan service within IGI. Inter-library Loan Service with IGI.
- Information Deployment and Notification – Library notices and circulars.

- OPACS - Available
- Internet Access - Available
- Downloads –Allowed with permission.
- Printouts – Allowed with permission.
- Reading list/ Bibliography compilation – Not available
- In-house/remote access to e-resources -Available
- User Orientation – Students are trained to use library facilities and references. Orientation about rules and regulations of library.
- Assistance in searching Databases – Faculty assist students for searching databases from reference books, print journals, internet, e-books and e- journals like Science direct, PubMed, Delnet, etc.
- INFLIBNET/HELINET(Information library network center)- Is available
- Institute has subscription to SLIM21? Yes- Available



4.3.6 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

Table No. 4.3.9: College library budget and expenditure

Sr. No.	Budget Year	Budgeted Amount (Rs.)		Amount spent (Rs.)	
		Books	e-journals	Books	e-journals
01	2013-14	2,50,000.00	4,00,000.00	2,18,155.00	71,720.00
02	2014-15	2,00,000.00	1,00,000.00	1,79,749.00	3,35,702.00
03	2015-16	2,00,000.00	1,00,000.00	2,01,129.00	90,752.00
04	2016-17	3,50,000.00	1,50,000.00	4,05,416.00	16,500.00

4.3.7 What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?

Annual feedback from faculty and students is taken separately. Suggestion box is provided. Suggestions are forwarded to library committee. Committee decisions are implemented time to time.

4.3.8 List the efforts made towards the infrastructural development of the library in the last four years.

The college library is well furnished with adequate infrastructural facilities including stacking cupboards, chairs and tables and reading room facilities. The infrastructure is self-sufficient since the foundation. The college has made tremendous development in the knowledge resources in last four years.

4.4 IT INFRASTRUCTURE

4.4.1 Does the institution have a comprehensive IT policy with regard to:

➤ **IT Service Management-**

Yes ICP follows the comprehensive IT policy formulated by IGI.

1. All IT equipments owned by IGI will be made available for use by ICP personnel on the understanding that the users abide by IGI- IT Policies. Sharing of IGI Workstations is to be encouraged to increase the effective use of IGI IT resources.
2. Users should not attempt to move, repair, reconfigure, modify, or attach external devices to ICP computers.

3. No food or drink is allowed on or near any IT equipment in ICP.
4. Users are instructed, not to use ICP IT equipment for recreational use (i.e. playing games, social web browsing or other activities that use the limited IT resources).
5. The owner of any personal machine brought into ICP campus is responsible for all users of his/her machine and they will also be responsible for all network traffic to and from his/her machine. Private machines may not use the IGI network for commercial gain or profit, or for personal use of any kind.
6. Any staff member requiring ICP computer Network access (not including Internet mail) from their allocated PC shall obtain a written authorization as per current Policies for Network Access.
7. Access to unauthorized personal folders and Administration & Accounts folders is prohibited. Changes in access privileges for a file or folder will be documented and it should be approved by the head of Section/Division managing the relevant data, file or folder.
8. No games are to be installed on any ICP IT equipment. No personnel should at any time be allowed to play any games on any ICP computers.
9. The installing of software onto ICP computers or servers is prohibited at all times downloading software is strictly forbidden and can jeopardize the IT department efforts to protect its systems.
10. All downloading must be performed by IT Support staff, after written approval has been granted by IT management, and will then be acquired using IGI antivirus checking procedures.
11. No personal application software shall be installed on any of the ICP computers. No copyright material shall be installed illegally on ICP computers, or utilized in breach of its license agreement.

➤ **Information Security-**

1. All computers and the information they contain are effectively protected, as computers are vulnerable to theft and unauthorized access. They require physical security to safeguard their contents.
2. Portable or laptop computers shall not be left unattended in public places. It will be the sole responsibility of the user for security and protection from unauthorized handling.
3. The information and services of IGI shall not be exposed to unauthorized parties.

4. Hard copy or soft copy information left unattended in open office environments is vulnerable to unauthorized access, malicious and accidental damage and natural disasters.
5. Floppy disks, tape cartridges and other magnetic media shall be stored in locked filing cabinets when not in use and after working hours. Media containing confidential, critical or sensitive information shall not be left unattended on desks.
6. ICP staff shall not take computer and network hardware or software to home without written authorization by the Principal.
7. IT Equipments (i.e. Laptop, PC, Projector, etc) and software will be issued on booking for work related activities only after the approval of authorities.

➤ **Network Security-**

1. A network administrator will be based in the IT management area. Any Network problems that can't be solved by IT Help Desk personnel will be referred to the network administrator / system administrator.
2. To maximize the usability of workstations within its network, IT management standardizes hardware configuration, for memory, display, processor, disc, operating system (OS) and application software for common tasks and office services.
3. The network architecture is established in such a way as to contain local traffic in discrete LAN configuration, utilizing LAN bridges and switches to manage traffic over the network.
4. While network versions of software are employed wherever possible, commonly used applications are distributed to and loaded on the individual workstations, to minimize load on the network.
5. A corporate wide set of standards are established for consistent identification of users, workstations and other network objects. (*first name .last name*)
6. The network operating system is supplemented by a standardized antivirus mechanism (reflecting IGI's IT Antivirus Policies & Standards) and a configuration management tool to control both hardware and software configurations.
7. Every Workstation in ICP (except in extreme situations of virus infections) is connected to the ICP LAN.
8. Adoption of a 'code of ethics' regarding the use of unlicensed software within IGI and regular software audits to check compliance.

9. Standardization of system configuration, including directory structures, to simplify management.
10. Establishment of a consistent and automated backup regime to preserve User data at a central point and assure recoverability in the event of accidental loss.
11. Procedures for data backup, event logging and environment monitoring are necessary to ensure the integrity and availability of services.
12. The IT Section shall keep a log of all media disks, consumables utilized for backup purpose, and printing jobs.
13. Environmental controls for Server Room and backup equipment shall be properly monitored to identify adverse conditions and enable prompt corrective action.
14. All software on ICP workstations are installed under strictly controlled means through the SCES's license agreements.
15. The Administrator password for SCES servers will be changed frequently to ensure appropriate level of security.

➤ **Risk Management –**

1. All computerized files in ICP are to be saved to the IGI primary server in the respective User's folder or Shared folder.
2. Only files on the Primary Server (and other LAN-connected Servers nominated by the Central IT Dept.) are backed up.
3. All added or modified files on all nominated SCES Servers are backed up daily using a incremental backup procedure.
4. Any non-work-related files found on any SCES Server will, at the discretion of the IT Management, not be included in any backup, without warning or notice.
5. Each server is backed up on a regular basis based on the incremental backup routine, incremental daily backups of all data and systems considered being critical or important; incremental weekly backups for all other data, monthly backup of all system, application, and data.
6. Responsibility for the establishment and ongoing implementation of nominated backup cycles rests with SCES Central IT Dept.
7. No backup device or media shall ever be taken home by any SCES staff member or other person.
8. In addition to regular backup cycles, a system backup shall be performed before and after major changes to the operating system, network configuration, system

software, or applications, at the discretion of the Network Administrator and IT Support management.

9. Backup media are to be held in a location that provides adequate physical security to limit access to authorized personnel only.
10. All-important data is saved onto the server in specific location allocated to each division or application. The server is backed up frequently to minimize data loss and ensure high availability of data.
11. In case of any technical support required regarding the computer system, users call the assistant assigned at IT department for their technical issues on the respective support system of the institute.

➤ **Software Asset Management –**

1. All the Licensed software are maintained centrally in Central IT Department.
2. It is made mandatory to all the equipments under ICT in ICP to install and operate on licensed software available with IGI.
3. Any attempt to breach the software license policy in ICT by any individual / group will attract considerable reprimand from management of IGI.
4. Any new application / operating system software required by the Institute is brought into notice of Central IT Department.
5. It is mandatory that the norms of University / Accreditation authority if any should also be mentioned along with the specified requirement from the Institute.
6. The procedure of procuring the Licensed Software / Renewal of License is as follows:

According to the requirement raised by institute / due date of the license renewal, Quotations are invited from various vendors and a comparison chart is prepared for the same. After negotiation and without compromising on the service, the vendor who has quoted the lowest price is selected for hiring the service. The quotation recommended by system administrator is forwarded to the IT-Director for verification and approval. After the quotation is approved from IT-Director, it is forwarded to the Group director for final approval. After the approval of quotation from the group director, a purchase order is raised in the name of the approved vendor stating the next validity period, terms and conditions and the amount for the same. Prior to raising the PO for license renewal the Central IT-Department provides the Accounts Department with the budgetary details which

gives an insight of expenditure and make fund provisions according to the payment terms mentioned in the P.O.

The *Purchase Order (PO)* is issued by Central IT Department and has the signature of IT Director and Group Director as the signing authority. The necessary information is provided by the requisition to enable the Central IT Department to generate a PO. The Requisition is not to be used to place orders.

- **Maintaining Records, Disposal/ Donation:** The records pertaining to IT stores are maintained by Central IT department. The following records need to be maintained by Central IT department i) Existing Asset / Dead Stock Register one each for college and projects. ii) Existing stock register for consumables/ non-consumables and assets. iii) Existing inventories of IT resources available.
- **Open Source Resources– Available**
ICP strongly recommends the use of open source resources, including Operating systems (Linux) and other useful applications.
- **Green Computing -**
ICP' is keen on having green environment; this is maintained efficiently by controlling the power consumption. Our onus is to make use of Screen savers, LCD monitors, flat screen digital TVs and to dispose all IT wastes by repurposing an existing computer or appropriately disposing of, or recycling, unwanted electronic equipment.

4.4.2 How does the institution maintain and update the following services? - NA

- * Hospital Management Information System (HMIS) : NA
- * Electronic Medical Records System (EMR) : NA
- * Digital diagnostic and imaging systems including PACS : NA

4.4.3 Give details of the institution's computing facilities i.e., hardware and software.

- * Number of systems with individual configurations – 70

Table No. 4.4.1: List of systems with configuration

Sr. No.	Configuration	Quantity	Make
1	Intel PIV 2.66 GHz ,256/512 MB RAM, 1 GB RAM,80 GB HDD, Logitech K/B & Mouse, Samsung Monitor	22	Assembled
2	Intel PIV 2.93 GHz, 256 MB RAM, 80 GB HDD, K/B, Mouse, Monitor HCL	3	HCL
3	Intel PIV 3.0 GHz, 256 MB DDR RAM, 80 GB HDD, K/B Mouse Logitech, Samsung Monitor	5	Assembled
4	VIP 703 BATTX SMPS 450 CABINET/Intel 3.0 GHz,40 GB 256/512 MB RAM, 1 GB RAMHD 15'' LG Monitor, Logitech keyboard & optical mouse	16	Assembled
5	Intel Pentium Dual Core 2 GHZ,512MB DDR,80 GB SATA Hard Disc Logitech USB optical mouse	3	Zenith
6	Intel G31 Chipset,Core2Duo E4600 2.4 GHz 2MB CACHE 800 MHz ,1 GB DDR2 SDRAM 80 GB SATA HDD. Logitech kbd. & mouse. 17'' TFT& 15''	10	Zenith
7	Thincentre Lenovo 3492 Core I3-3210/3 rd Gen/2 GB DDR3 RAM,500GB HDD/DVD RW LED Monitor	1	Lenovo
8	HP 202 G2 MT Intel Core I5-4570T 2.9G 4M HD 460 CPU 4GB DDR3 RAM 500GB HDD USB KYBD/Mouse LED Monitor	5	HP
9	Lenovo 10ASA06WIH/Intel Core I3,4 GB RAM,500GB HDD,3/3/3 HDD 18.5'/E73/monitor;USBKybd& Mouse	2	Lenovo
10	Laptop	3	Sony, Compaq
	Total	70	

Table No. 4.4.2: List of dead stock with serial no.

Dead stock no.	Installation Place	Current Status	Purchase Date	Serial No. & Model	Purchase From
SCES/IU/BLD3/C OMP/LCD/AUDI/0 6/1	LAB	WORKING	29-09-06	SONY VPL-ES3- 1003329	Data Care Corporation
SCES/IU/BLD3/C OMP/LCD/LAB2/0 8/03	Audi	Damaged (Scrap)	21-01-09	DELL- PJDEL- 1209S- CX0QJD1	HOL Infosolutions
SCES/IU/BLD3/C OMP/LCD/LAB2/0 8/02	CLASS ROOM - SF	WORKING	1-08-08	DELL- PJDEL- 1209S- CX0QJD1	HOL Infosolutions
SCES/IU/BLD3/C OMP/LCD/LAB/10 /04	CLASS ROOM - FF	WORKING	27-03-10	Infocus IN 26 -	HOL Infosolutions
SCES/IU/BL3/CO MP/LCD/LAB/13/5	Audi	Theft	30-03- 2013	Infocus IN 112	MATRIX Business Machines
SCES/IU/BLD3/C OMP/LCD/LAB/15 /06	LAB	Working	28-01-16	Infocus Projector IN 220 - BQZJ524	3C IT Solutions & Telecom
SCES/IU/BLD3/C OMP/LCD/LAB/15 /07	LAB	Working	7/3/2017	Epson Projector S- 31	Sun Computers

- * Computer-student ratio - 1:6
- * Dedicated computing facilities- 70
- * LAN facility- Available
- * Wi-Fi facility - TATA Communication (Internet Leased Line (1:1): 100 Mbps)
- * Proprietary software – ICP has various licensed system an application software

Table No. 4.4.3.: List of licensed system software:

Sr. No.	Name of the Software	Comments
1.	Microsoft Windows 10	Used for Client Desktop
2.	Microsoft Server 2012	Used for Servers Ex.DC,ADC,SCCM,TMG
3.	Microsoft server 2008	Used for Servers Ex.Wifi DC,ADC, Library Server
3.	Microsoft Windows 7	Used for Client Desktop
4	Windows 8/8.1	Used for Client Desktop
5.	Centos	Used for DHCP server
6.	Forti OS	Used For Firewall Server

Table 4.4: List of licensed application software

Sr. No.	Name of the software	Comments
1.	Microsoft VISIO	Used to design Eg. Network Diagram
2.	Microsoft System Center Config. Management	Used for Microsoft updates on client machine
3.	Microsoft Project	Used for developing plans, assigning resources, managing budgets.
4.	Microsoft SQL Server 05/08	Used for Wireless User Database
5.	Quick Heal Internet Security	Used for five users
6.	Microsoft Forefront Antivirus	Used for Client Machines
7.	Slim Software	Library Software
9.	Forticloud Service 200Gb Online storage	Internet usage reports.
10	Sanko Study	For Language Lab
11.	Tally ERP	Used For Account Department.
12.	proCampuz	ERP system for College.
13.	Microsoft Office	Includes word, excel, PowerPoint etc.
14.	Microsoft Visual Studio	Form design for Wireless Users.

Table 4.4: List of freeware application software

Sr.No.	Name Of the Software	Comments
1.	Exp pharm & other Simulator	Freeware for pharmacology students
2.	Acrobat Reader	Pdf freeware version
3.	7-Zip	For Zip Files. Open Source
4.	VLC Player	For Playing media files. Open Source
4.	JAVA	Java supporting website. Freeware
5.	Wireshark & Nmap	Network Scanning. Open Source

* Any other (specify)- Printers and scanners: 10

Table 4.4: List of printers and scanners

Sr. No.	Make	Quantity
1.	HP Laser Jet 1020	4
2.	HP Desk Jet 3940	1
3.	HP SJ 2400 Scanner	1
4.	TVSE 345 Dot Matrix	1
5.	HP Laser Jet 1007	1
6.	HP Laser Jet M1005 (Print, Scan, Xerox)	2
	Total	10

4.4.4 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

IGI has a fully functional autonomous IT cell, as per the IT policy as well as taking into consideration the guiding norms of the approving authority new the new purchases/ additions/upgradations are done. The focus is to upgrade to the latest technology and create and maintain state of art facilities.

Annual renewal of subscription of software, Annual maintenance of hardware, Periodic up gradation of hardware configuration is carried out on regular basis computer purchase policy.

4.4.5 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching-learning and research.

- ✚ ICP has a WI-FI enabled campus
- ✚ Class rooms are provided with LCD facility .
- ✚ Computer Room has various Teaching- Learning Software like simulation software like X-pharmacology for animal experimentation. Design Expert software for statistical analysis.
- ✚ Access to National Digital Library.
- ✚ International video conferencing facility available by using Skype. Youtube and Video download access.
- ✚ E-journals subscription through DELNET and Science Direct and other online websites. Online library membership of National Digital Library.
- ✚ Availability of CD Material of learning modules, videos, e books & e-journals for self-learning.

4.4.6 What are the new technologies deployed by the institution in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

- Faculty use LCD and OHP facility to enhance teaching and learning process. For research, advanced software like Design Expert, Minitab, Ex-pharm, Ex-cology are used for experimental design. PCP disso software tool is used in dissolution study.
- Online test series conducted by VM Edulife Ltd. for continuous assessment of student performance.
- Final year students are encouraged to appear for GPAT exam. For that, they are suggested to appear for online mock tests available through website www.pharmatutor.com. For this, students are provided with computers and net facility.
- The social media such as E-mail, whatsapp groups are used to communicate with students and distribute subject notes.

4.4.7 What are the IT facilities available to individual teachers for effective teaching and quality research?

- Faculty members are provided with Computers, with LAN and Internet facility. Necessary software are also made available as per the demand of the faculty.

- Faculty have access to e-journals and e-books.
- Faculty are encouraged to apply for research grants from different funding agencies like SPPU, CSIR, ICMR etc. and private organizations.

4.4.8 Give details of IT-enabled classrooms/learning spaces available within the institution. How are they utilized for enhancing the quality of teaching and learning?

Table No. 4.4.2: IT facilities available

Infrastructure	IT facility
Class rooms	LCD, OHP , Internet
Auditorium	LCD, OHP, Internet, Wi-Fi, Acoustic AC Audi.
Library	Internet and Wi-Fi; E-journals and E-books are available
Laboratories and lobbies	Wi-fi enabled

4.4.9 How are the faculty assisted in preparing computer-aided teaching-learning materials? What are the facilities available in the institution for such initiatives?

- IGI has a fully functional IT department headed by Mr. Santosh Kumar.
- Whenever needed, the technical knowledge is shared and any problems faced by the faculty members is solved by the IT team.
- Separate computers with internet connection and requisite software are assigned to each Faculty for preparing PowerPoint presentations, online notes, downloading research papers as well as presentations.
- LCD projectors are fitted in classrooms exhibiting power point presentations, videos etc.
- Online journals as well as e books are available in the library which helps to facilitate the collection and compilation of study material.

4.4.10 Does the institution have annual maintenance contract for the computers and its accessories?

Yes, Institute has annual maintenance contract for the UPS. The IT cell maintains all other aspects pertaining to the computers and accessories in house by utilizing the IGI talent and skilled manpower.

4.4.11 Does the institution avail of the National Knowledge Network (NKN) connectivity? If so, what are the services availed of?

ICP is a self-financed private college affiliated to Savitribai Phule Pune University, the institution does not directly avail the National Knowledge Network (NKN) connectivity, however Institute is having subscription of Jaykar Library, SPPU, Pune. Jaykar Library is connected to NKN.

4.4.12 Does the institution avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Yes, ICP supports active use of online resources such as Wikipedia, DELNET, Pub Med, Science direct, Bentham, Scopus, Dictionary and other education enhancing resources for research and academic purpose.

4.4.13 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the institution.

Every year financial provision is made in budget for the update, deployment and maintenance of computers in the institution. Accordingly, required amount is spent on IT support facilities.

Table No. 4.4.3: Budgetary provision for update, deployment and Maintenance of computers

Sr. No.	Budget Year	Budget Amount (Rs)	Amount spent (Rs)
		Recurring Exp	Recurring Exp
1	2013-14	4,00,400.00	1,80,491.00
2	2014-15	3,50,400.00	5,22,892.00
3	2015-16	6,07,000.00	2,45,115.00
4	2016-17	10,99,500.00	2,21,289.00

4.4.14 What plans have been envisioned for the transfer of teaching and learning from closed institution information network to open environment?

- The faculty members are encouraged to share their notes, papers, links, e books, etc to the student community through Email, Whatsapp.
- The college website has a special section dedicated to the availability of online teaching learning resources.

4.5 MAINTENANCE OF CAMPUS FACILITIES**4.5.1 Does the institution have an estate office / designated officer for overseeing the Maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.**

Yes, at the group level, Estate officer has been appointed for supervision of entire campus infrastructure. While in ICP, a specially designated officer looks after maintenance of physical and academic support facilities like classrooms, laboratories, library and complete setup.

- Installation of CCTV for safety monitoring.
- Painting works of the campus at regular intervals.
- Well maintained garden.
- Regular Pest control.
- Scheduled deep cleaning.

4.5.2 How are the infrastructure facilities, services and equipments maintained? Give details.

There is centralized unit for maintenance of entire infrastructure including all physical academic support facilities, services and equipments.

Physical and academic support facilities***Admin area, Classrooms, Laboratories, Library, Conference Room and Auditorium***

- All the physical and academic support facilities are cleaned daily. Instruments such as Tube lights, Fans other electrical devices are properly cleaned at fixed time intervals.
- Laboratory Instruments are de-dusted daily and are serviced at regular intervals. In case of any problems the technicians are summoned from the respective agencies.

- Daily in-out register is maintained at library, all laboratories including computer lab.
- On requisition, projectors and OHP are arranged by the technician while requirements like mike, speaker, are made available on email requisition.
- A full time plumber, electrician and carpenters are appointed by the IGI and are available on call as and when required.

Services and equipments

Healthcare

- IGI has its own ambulance which is available 24X7 on call for any emergency, exclusively for students and staff.
- First aid box is available in the admin office and laboratories.
- IGI has a signed a MOU with Aditya Birla Memorial Hospital for the healthcare facilities to be provided for students and staff.

Electricity/Water/ IT

- If any lacuna is observed in working of any electrical appliances and equipments, it is registered in maintenance record book and accordingly problems are resolved by calling concerned repairing person outside.
- Drinking water is made available at every half floor through Aqua filter and cooler. It is checked before due date mentioned on previous servicing.
- Institute has separate sewage water treatment plant for decreasing BOD, COD levels of water drained from institute.
- IT facilities like computers and their accessories are updated and software is guarded by current Antivirus like Quickheal, NetProtector etc.
- Fire extinguishers are placed at all important locations and they are regularly refilled and maintained well.

Gardening

- The campus has state of art gardens and landscaping, for lively & healthy atmosphere. Entire campus is surrounded by sufficient number of different trees. The gardening has been outsourced to an agency, who has appointed a full time gardener to look after gardening and landscaping in entire IGI campus. Medicinal plants have been planted and are fortified with fertilizes and water every day.

Equipments

- All equipments maintained regularly by the respective Lab Technicians and their periodic and or on-time required servicing is availed by customer support provided by supplier/ vendor.

4.5.3 Has the institution insured its equipment's and buildings?

Yes, SCES has insurance policy-(insurance agency).

Table no 4.5.1 Insurance details

Name of the Agency	United India Insurance Company Limited
Policy Number	1630001116P109932627
Period of insurance	16/10/16 to 15/10/17
Sum Insured	Rs. 263,275,771.00

CRITERION V: STUDENT SUPPORT AND PROGRESSION**5.1 STUDENT MENTORING AND SUPPORT****5.1.1 Does the institution have a system for student support and mentoring? If yes, what are its structural and functional features?**

The vision of the institute includes training and developing students into Professional Pharmacists so as to fulfill the Industrial and Community needs. Apart from the curriculum as per Savitribai Phule Pune University, students are provided with special trainings and workshops for the professional and personal development.

To monitor the student's academic as well as social growth, a student's mentorship program called ICP LIFE LEADERSHIP PROGRAMME is run in the institute. Under the ICP LIFE LEADERSHIP PROGRAMME, about 16 students are grouped under each faculty member. These 16 students are from all four years of B. Pharm. i.e. 4 students from each year. The student selection is done randomly. The students then need to fill the form containing information about current academic details, correspondence contact details, family and friends details, personal details like hobbies and interests, expectations from life and future career interests. Each student individually is provided with the counseling and guidance as per the requirement at every stage of academics and support as and when needed. A meeting of faculty member and all 16 students is conducted every two months to monitor the attendance, academic growth and personal development of the students.

This system works towards the constant support and mentoring of students by the faculty. Apart from structural meetings, students can interact with the faculty regarding any academic or personal life problems whenever the support is needed.

Objectives and functions of ICP LIFE LEADERSHIP PROGRAM

- To promote academic, professional and individual development.
- To promote a co-operative culture amongst the students
- Interact with each other and share the common platform.
- To discuss and resolve students problems.
- To provide guidance and support to the students.
- To improve student- teacher relationship.
- To monitor overall performance of the students.
- To help students in discovering various options for their career and future.



5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

The institute has the mentoring program called ICP LIFE LEADERSHIP PROGRAM under which each student has a faculty member for counseling and mentorship throughout the four years of studies.

The course structure and examination pattern including continuous assessment is regularly implemented for monitoring academic performance of the students. Apart from regular examinations, classroom tests are conducted by the faculty in written or oral form for monitoring the academic performance of the students.

The students who are observed to be academically weak are provided with special counseling as well as special classroom lectures for their improvement in the subject. The students can have one to one interaction with the subject teacher for continuous improvement in the performance.

Feedback of students for the faculty is considered seriously and required strategies are implemented for faculty development. Students can interact with the faculty as well as Principal regarding the academic problems. Necessary support and guidance is made available.

5.1.3 Does the institution have any personal enhancement and development schemes such as career counseling, soft skills development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

Yes. The motto of the institute is ‘Redefining Pharmacy Education to nurture Globally Competent Professional Pharmacists’ and to achieve this, the institute always focuses on academic as well as holistic development of its students. Apart from the curricular aspects students are trained for communication and soft skills, personality development, career path identification and overall well-being. The student’s details in the form for ICP LIFE LEADERSHIP PROGRAM reveal the personal interests and career inclination of the students. The further trainings and counselling are planned accordingly.

The students are provided with the trainings and workshops for the personal enhancement and development from the first year of their course.

The institute has well established and functional Training and Placement Cell which assists students to get job in different areas as per their area of interest, the composition of which is as follows:

Table 5.1.1: Training and Placement Cell Composition

Name of the member	Designation
Dr. Anagha M. Joshi	Chairperson
Dr. Dayanand M. Kannur	Secretary
Dr. Madhur C. Kulkarni	Member
Mrs. Manasi J. Wagdarikar	Member

Table 5.1.2: Activities conducted by training and placement cell

Personal enhancement and development schemes	Activities
Career path identification & Career Counselling	<ul style="list-style-type: none"> ➤ Guest lectures on various topics to guide students to select career path. ➤ Seminars and workshops for higher education and studies abroad. ➤ Conducting mock interviews ➤ Soft skill training sessions ➤ Alumni lectures for interaction with the students
Soft skills development	<ul style="list-style-type: none"> ➤ Training sessions on overall personality development ➤ Lectures on communication skill enhancement ➤ Organizing group discussions ➤ Language laboratory is also available for improvement of communication skill.
Certification Programms	<ul style="list-style-type: none"> ➤ Pharmaceutical Marketing ➤ Quality Assurance and GMP ➤ IPR ➤ Career opportunities for Pharm D ➤ Pharmacovigilance
Holistic Development	<ul style="list-style-type: none"> ➤ NSS Activities ➤ Environmental trip ➤ Samvedana sessions ➤ YOGA sessions

Table 5.1.3: Details of programs conducted

Sr. No.	Activity	Conducted by	Outcome
1.	Session on Yoga and wellness	Dr. NitinUnkule	Health, Physical fitness and mental well-being
2.	Session on Bramhavidya	Prof. Ajay Warade	Mental , emotional, spiritual well- being
3.	CARE Club	Dr. Tarita Shankar	Mental , emotional, spiritual, professional well- being
4.	Session on Personality development	Prof. Rohinton Cooper	Professional well-being
5.	Session on Nutrition for Girls students	Dr. SeemaSonis	Health and Physical well being
6.	Session on Breast cancer awareness	Dr. Shona Nag	Health and Physical well being
7.	Session on Grooming and Personality development	Dr. Tarita Shankar	Professional well-being
8.	Annual Celebration of Ganesh festival, Navratri	Indira Group of Institutes	Spiritual Growth
9.	Annual Social event (Cultural program- Spectrum)	Indira College of Pharmacy	Health, Physical and emotional well being
10.	Sports week	Indira College of Pharmacy	Health and Physical well being
11.	Indira Pharma Zeal (IPZ)	Indira College of Pharmacy	Professional well-being
12.	National Pharmacy Week (NPW)	Indira College of Pharmacy	Emotional and Professional well-being
13.	Yoga Day Celebration	Prof. Amir Shaikh	Health, Physical fitness and mental well-being
14.	Social Drives under Swacch Bharat Abhiyan and Anti Plastic Drive	Indira Group of Institutes	Physical and emotional well-being
15.	Samvedana Sessions	Prof. Manasi n 3Wagdarikar	Mental, Emotional and Professional well-being

5.1.4 Does the institution have facilities for psycho social counseling for students?

Yes. The institute and management keenly look into overall development of students and their well-being. The mentoring program in which faculty is allotted for each student, takes care of personal life problem resolving and social development. One to one interaction helps resolve the psychosocial issues in students' lives.

- ICP has appointed a counsellor who visits the campus and counsels the student community
- The Chairperson of Indira Group of Institutes, Dr. Tarita Shankar has initiated a counseling program called CARE CLUB. This provides a platform for personal counseling and problem resolving through the discussion with the Chairperson. Under the CARE CLUB activities, students as well as faculty members can freely interact with Chairperson and get the psycho social counseling.
- The SAMVEDANA session by Prof. Manasi J. Wagdarikar also allows students to express their issues, which are further addressed to the student's satisfaction.



5.1.5 Does the institution provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes, the institute facilitates and provides all the necessary assistance to the needy students towards obtaining education loan from banks and other financial institutions. The required documentation by financial institutions is provided by the institute to the aspiring students to facilitate loan approval process. The eligible students get financial assistance as per guidelines of Shikshan Shulka Samiti.

5.1.6 Does the institution publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?

Yes. The institute publishes updated prospectus which incorporates detailed information about following aspects of the institute:

- Vision, Mission of the institute.
- Institute Profile
- Admission Cell and Courses Offered
- Infrastructure facilities
- Academic Departments
- Industry Institute Partnership Cell
- Training and Placement
- Teaching Faculty
- Research Grants and Collaborative Projects
- Seminars and Conferences, Guest lectures
- Achievements and Accolades
- Social Drives
- Composition of Statutory committees like Anti ragging Cell, Grievance Redressal Cell, Women Cell

The same information is also available on the official website of the institute. www.indiraicp.edu.in . The students have online access to all the information through the website.

5.1.7 Specify the type and number of institution scholarships / freeships given to the students during the last four years. Was financial aid given to them on time? Give details. (in a tabular form)

- As per admission policy the ICP students who get admitted to M.Pharm are given institutional scholarships.
- The institute also gives relaxation in terms of instalment in payment of the fees for the needy students.
- The Institution has flatly given institutional level scholarships to all the students against the fees sanctioned by the Fees Regulating Authority iIn the academic year 2012-13, 2013-14.

Table 5.1.4: Scholarships / Freeships

Academic year	No of students who received scholarships	Total amount of scholarship received (Rs.)
2016-17	11	130000.00
2015-16	39	284000.00
2014-15	130	1298594.00
2013-14	158	1695683.00

5.1.8 What percentages of students receive financial assistance from state government, central government and other national agencies?

Table 5.1.5: percentage of students receive financial assistance from state government, central government and other national agencies

Academic year	Total number of students	Type of scholarship	Amount Received in Rs.	state government, central government and other national agencies	% of students receiving financial assistance
2015-16	250	Freeship/ Schlorship	3407155.00	State government of Maharashtra	16.8
2014-15	249		6478813.00		34.53
2013-14	259		7597200.00		40.56
2012-13	248		7478644.00		40.72

5.1.9 Does the institution have an International Student Cell to attract foreign students and cater to their needs?

Yes, the institute is having separate ICP International Student Cell, which coordinates all the activities related to admission of International students. AICTE has sanctioned 15% supernumerary PIO/Foreign Nationals quota for B.Pharm course. These admissions were allotted by International Student Cell of SPPU till academic year 2015-16. From the academic year 2016-17, admissions are facilitated by DTE, Maharashtra State. International Council of Cultural Relations (ICCR) also allocates students to the institute through University and/or DTE. The composition of ICP International Student Cell is as follows:

Table 5.1.6: Composition of ICP International Student Cell

Name of the member	Designation
Dr. Anagha M. Joshi	Chairperson
Mr Amir Shaikh	Secretary
Dr Ramesh Katedeshmukh	Member
Dr Dayanand Kannur	Member
Mrs Pradnya Kulkarni	Member

The Cell solves all the queries of the students, counsels the students, provides mental support as well as coordinates various activities of the students.

5.1.10 What types of support services are available for

Table 5.1.7: Support services available

Facilities for	Support services available
Overseas students	<ul style="list-style-type: none"> ➤ ICP International Student Cell ➤ Separate hostel facility ➤ Well-equipped Gym and swimming pool ➤ Language Laboratory Facility
Physically challenged / differently-abled students	<ul style="list-style-type: none"> ➤ Lift ➤ Ramp ➤ Support in terms of collection Library Books, performing Practical etc
SC/ST, OBC and economically weaker sections	<ul style="list-style-type: none"> ➤ scholarship / Freeship from state government ➤ Permission to pay their fees in instalments ➤ Support for various scholarships
Students participating in various competitions/conferences in India and abroad	<ul style="list-style-type: none"> ➤ Students are supported and encouraged to participate in various competitions and conferences organized at state/national/international levels. ➤ Leave is granted for preparation and attending. ➤ They are guided to prepare themselves for different competitions.
Health centre, health insurance etc.	<ul style="list-style-type: none"> ➤ Tie up with hospital ➤ Health insurance of hostel students ➤ 24 hrs ambulance facility ➤ First aid facility
Skill development (spoken English, computer literacy, etc.)	<ul style="list-style-type: none"> ➤ Soft skill training sessions ➤ Language communication training ➤ Mock interviews ➤ English language improvement sessions
Performance enhancement for slow learners.	<ul style="list-style-type: none"> ➤ Tutorials ➤ Special lectures ➤ Continuous assessment ➤ Counselling ➤ One to one attention
Exposure of students to other institutions of higher learning/ corporates/business houses, etc	<ul style="list-style-type: none"> ➤ Interaction with experts from industry ➤ M. Pharm Sem-III/IV students are encouraged to undertake their research projects in pharmaceutical companies ➤ Industrial visits

5.1.11 Does the institution provide guidance and/or conduct coaching classes for students appearing for competitive examinations (such as USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS)? If yes, what is the outcome?

The institute is encouraging students to appear for various competitive exams like GPAT, GRE, CMAT etc. The institute has enriched library resource for these students as well as specific lectures considering the pattern and preparation of the examination are conducted. During regular academics, the subject teacher guides the students accordingly. As a result, few students are qualifying these examinations. The **details are as follows:**

Table 5.1.8: competitive examinations details

Academic year	No. Of students qualified	No. Of students qualified GRE/
	GPAT/GATE	TOFFEL/IELTS
2016-17	4	3
2015-16	-	4
2014-15	5	2
2013-14	4	4

5.1.12 Mention the policies of the institution for enhancing student participation in sports and extracurricular activities through strategies / schemes :

The institute has a policy to support and motivate the students for participation in sports and extra curricular activities.

Table 5.1.9: Institutional Policy for enhancing student participation in sports and extracurricular activities

Schemes	Policy
Additional academic support and academic flexibility in examinations	<ul style="list-style-type: none"> ➤ Academic leave is granted for participation and preparation ➤ Examinations are planned with consideration.
Special dietary requirements, sports uniform and materials	<ul style="list-style-type: none"> ➤ Special uniforms for sports are provided ➤ Canteen facilities available ➤ Sports material is provided to the students for indoor and outdoor games ➤ Well-equipped gym and swimming pool is available for the students. ➤ Special sports room for indoor games is available.

Any other	<ul style="list-style-type: none"> ➤ Certificates of appreciation are given to the participants ➤ Medals and trophies are given in case of team events. ➤ Registration fees are sponsored by the college for the events ➤ Indira Pharma League (IPL), sports week is organized every year to inculcate sportsman's spirit in students organized every year and students are encouraged to participate in all the events organized by other institutes ➤ Institute organizes annual sports events and cultural event for students participation. ➤ The sports facilities are also upgraded by procuring sports grants from SPPU
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5.1.13 Does the institution have an institutionalized mechanism for student placement? What are the services provided to help students identify job opportunities, prepare themselves for interviews, and develop entrepreneurship skills?

YES. Institute has Training and Placement cell in place for placements of students.

Mechanism for student placement

- Collection of Curriculum vitae
- Discussion with the student for his /her inclination towards a specific career option.
- Collection of information about available openings through the industrial association, Alumni network and social media.
- Inviting the industries for On-Campus interviews.
- Providing continuous platform for informing students about upcoming openings in the field.

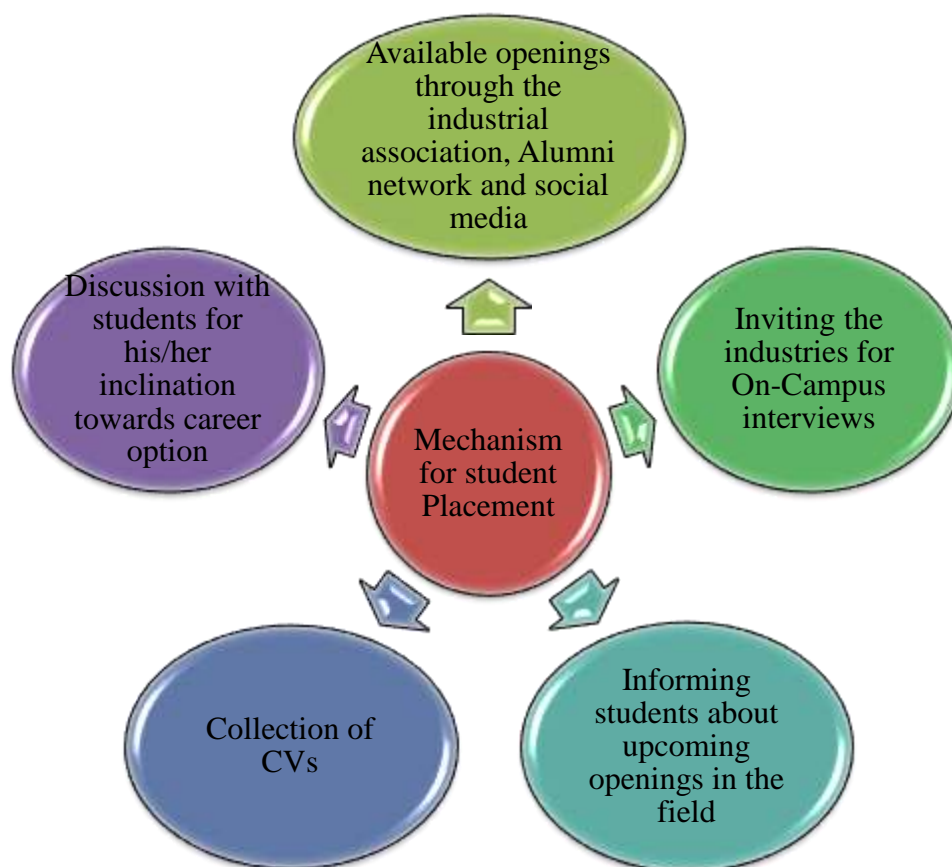


Table 5.1.10: Services provided by the Training and Placement Cell

Service	Activities
Identification of job opportunities	<ul style="list-style-type: none"> ➤ Guest lectures/seminar by eminent personalities from industry. ➤ Alumni interaction for job opportunities ➤ Inviting industries for Campus interviews ➤ Coordination with different academic institutes
Preparation for interviews	<ul style="list-style-type: none"> ➤ Soft skill training sessions are conducted. ➤ Communication improvement lectures are organized. ➤ Mock interviews are arranged for students. ➤ Guidance regarding preparation of CV is provided. ➤ Sector wise focussed lectures are arranged
Development of entrepreneurship skills	<ul style="list-style-type: none"> ➤ Interaction with entrepreneurs. ➤ Interaction with Alumni who are entrepreneurs is organized. ➤ Guest lectures and seminars for relevant area for entrepreneurship are conducted.

5.1.14 How does the institution provide an enriched academic ambience for advanced learners?

- The institute provides state of the art facilities for Academic as well as overall development of students.
- Institute has library enriched with books, e books, CDs, e-journals. Multimedia facility is available in the library for the advanced learners.
- The institute arranges various guest lectures, seminars, workshops and conferences. Students are motivated to participate and interact with the eminent resource persons. Students are also inspired to attend conferences organised by other professional bodies and institutes.
- The advanced learners or other interested students are assigned specific training in industries or they are facilitated to work in area of their choice in industries. Meritorious students have been given opportunity for specific industrial visits.
- Every year Indira Pharma Zeal conference is organized for all the students where they attend the sessions and interact with the eminent personalities from industry and also participate in various academic competitions.
- Students of third and final year B. Pharm are inspired to take up some small research projects.

5.1.15 What percentage of students drop-out annually? Has any study been conducted to ascertain the reasons and take remedial measures?

Table 5.1.11: Details of student drop out (B. Pharm.)

Year	Total no. of B. Pharm students	No. of B. Pharm students Drop-out	Percentage of B. Pharm students Drop-out annually
2016-17	259	3	1.1
2015-16	250	1	0.4
2014-15	246	4	1.6
2013-14	259	1	0.3

Table 5.1.12: Details of student drop out (M. Pharm.)

Year	Total no. of M. Pharm students	No. of M. Pharm students Drop-out	Percentage of M. Pharm students Drop-out annually
2016-17	23	00	00
2015-16	23	00	00
2014-15	25	00	00
2013-14	19	00	00

The usual reasons cited are some family problems, financial issues or incompetency to complete the course. The students are counselled for not deviating from the goals.

5.1.16 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

Table 5.1.13: Students selected during campus interviews

Academic year	*Students Enrolled for Placements	Students placed till date	Names of the Recruiter Company	
2015-16	25	22	02	Abott
			03	B Braun
			02	Astrazeneca Pharma LTD
			05	Tata Consultancy Services
			03	Sanofi
			03	Zyphars
			02	Sun Pharma
			01	IB Group
			03	Zuventus
2014-15	26	25	05	Cognizant Healthcare
			04	Novartis
			08	Unichem laboratories Pvt Ltd
			04	Abott
			03	Vagmine Healthcare
			01	Teva India pvt Ltd
2013-14	22	12	10	Mankind Healthcare (Vet Division)
			02	Cian Healthcare
2012-13	19	19	09	Cadila Pharmaceuticals
			02	Procter & Gamble
			08	Savy software
2011-12	16	14	07	Zyphar's Pharmaceutics
			05	Neon Pharmaceuticals
			02	Adison Laboratories

5.1.17 Does the institution have a registered Alumni Association? If yes, what are its activities and contributions to the development of the institution?

YES, the institute has registered Indira college of Pharmacy, Pune Alumni Association

(Reg. No.: MAH1267/2012/Pune Date: 06/07/2012)

Table 5.1.14: Composition of Alumni Cell

Sr. no	Name	Designation
1	Dr. Tarita Shankar	President
2	Prof. Chetan Wakalkar	Vice President
3	Dr. Anagha Joshi	Secretary
4	Mr. Vishal Oswal	Jt.Secretary
5	Mrs. Manasi Wagdarikar	Treasurer
6	Dr. Suvarna Ingale	Member
7	Mrs. Vishakha Hastak	Member
8	Mr. Yogesh Pawar	Member

- The data for all the alumni is continuously upgraded and maintained.
- An annual alumni meet is conducted every year. The alumni are invited on campus to have interaction with the students. The alumni association acts as a facilitator between the alumni and current students.
- Alumni are also invited to judge the in-house events.
- Alumni also provide gift sample of Active pharmaceutical ingredients, polymers and testing facility to research scholar.
- Alumni are also instrumental in facilitating placements.



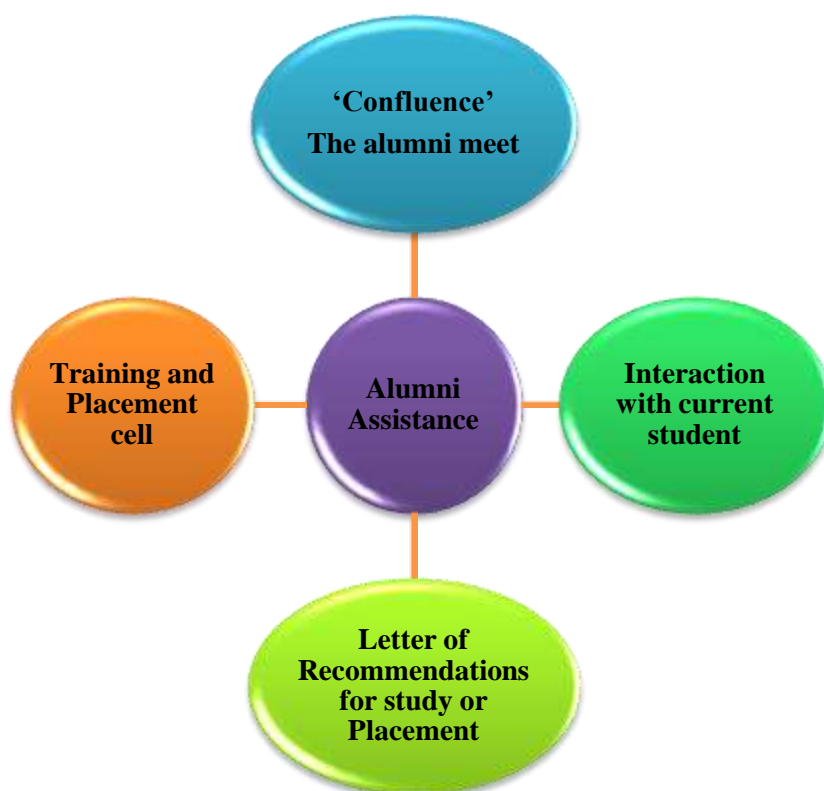
5.1.18 List a few prominent alumni of the institution.

Table 5.1.15: List a few prominent alumni of the institution

Name of alumni	Organization	Current designation
Mr. Vishal Oswal	OM Medisurg	Owner
Mr. Yogesh Chandere	Shree Samarth enterprises , Orthopaedic implants and instruments	Owner
Mr. Sagar Joshi	Alkem Laboratories	Manager, International Business
Mr. Pratik Thakare	Sandor Lifesciences	Manager, Genomics and Proteomics
Mr. Shreyas Dev	Campbell University, Atheletic Dept.	Student worker
Mr. Prashant Jadav	IPCA Laboratories Athal	Quality management systems, Production
Ms. Revati Anagal	Nexgen Healthcare Pvt. Ltd.	Business development Executive
Mr. Swapnil Oke	Indian Institute of Toxicology, Pune	Genetic Toxicologist
Mr. Aditya Kulkarni	Aesica Pharmaceuticals, London	Senior Quality Specialist
Mr. Rahul Kesavan	St Stephen's School, Perth, Australia	Educator

5.1.19 In what ways does the institution respond to alumni requirements?

- The alumni of the institute are very strongly bonded with the institute. The institute invites alumni yearly for ‘Confluence’. The alumni meet followed by ‘Spectrum’...the annual day of the college.
- The institute provides platform for the alumni to share their experiences with the current students.
- The Training and Placement cell of the institute even facilitates the horizontal or vertical movement of alumni in their jobs.
- The institute allows the alumni to use the library resources.
- The faculty in the institute gives recommendation letters to the students interested in studying abroad or other institutions in India as well as for placement opportunity



5.1.20 Does the institution have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

According to the AICTE’s Establishment of Mechanism for Grievance Redressal, Regulation 2012, the Grievance Redressal Committee has been constituted with the

objective of resolving the grievances of students, parents, and others. ICP has established an effective cell to redress Staff and Students' grievances as follows:

Table 5.1.16: Composition of grievance redressal cell

Sr. No	Name of members	Designation
1	Mr. Shrikant Narayan Patil	Ombudsman
2	Dr. Pravin Chaudhari	Professor
3	Mr. Shrikant Bhojkar	Retd. Professor
4	Dr. Anagha Joshi	Principal
5	Dr. Dayanand Kannur	Vice-Principal
6	Dr. Suvarna Ingale	Member from Teaching faculty
7	Mr. Yogesh Pawar	Member from Teaching faculty
8	Mr. Dilip Dhamale	Member from Non- Teaching faculty

No grievances have been reported till date.

5.1.21 Does the institution promote a gender-sensitive environment by (i) conducting gender related programs (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

YES. The institution promotes a gender sensitive environment by following measures.

(i) Conducting gender related programs

- The institute advocates gender equality and promotes a very healthy environment in the institute. However the institute conducts programs for health and hygiene, self-defense for women, grooming sessions for women, cyber security, women empowerment etc.
- Workshop on breast cancer awareness
- Workshop on the sexual harassment of women at workplace (prevention, prohibition and redressal) act 2013
- The institute also sensitizes women on righteous use of their rights and responsibilities.

(ii) Establishing a cell and mechanism to deal with issues related to sexual harassment?

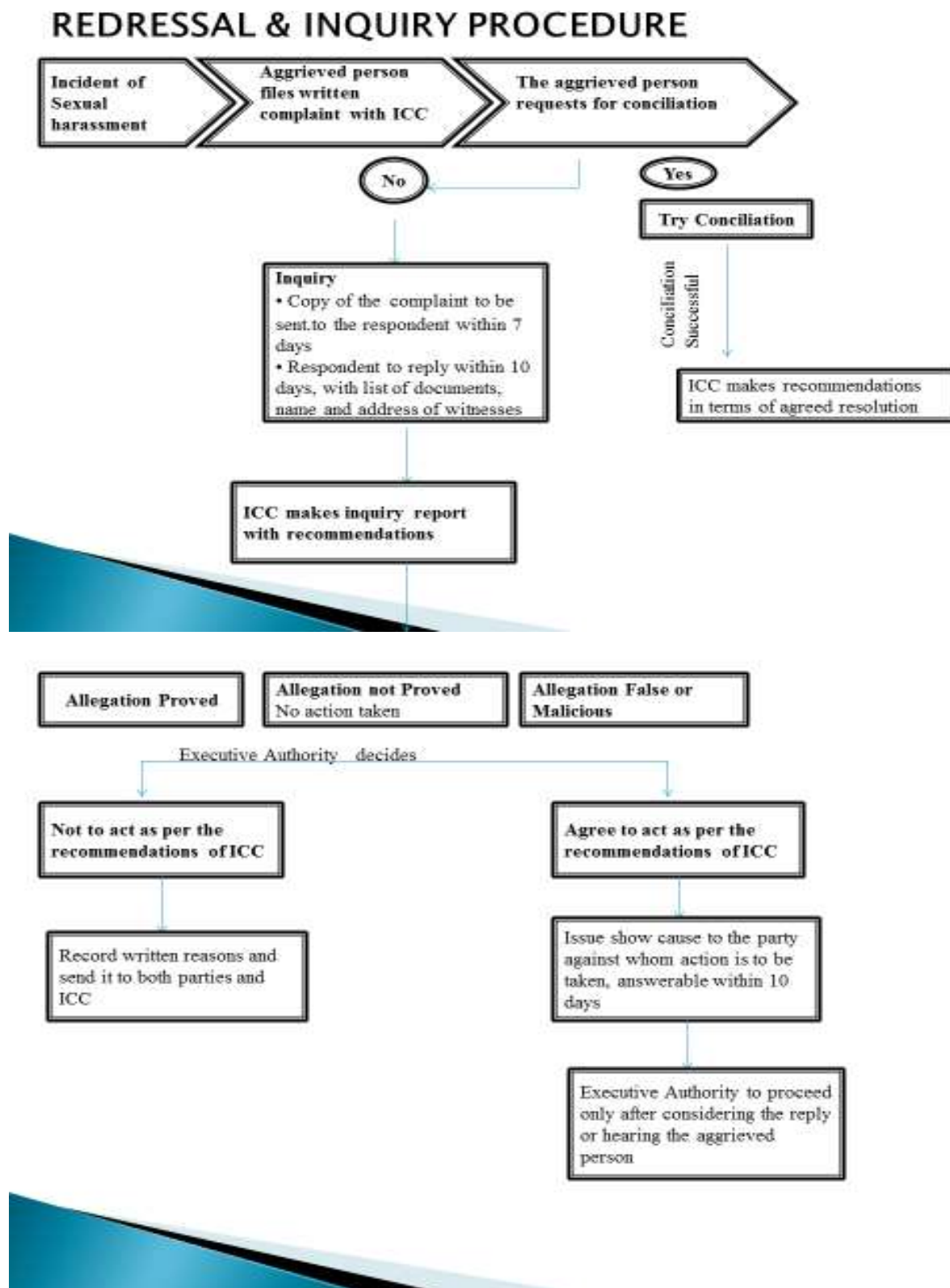
- The institute has constituted internal complaints committee/ Women cell for addressing the issues related to sexual harassment.

Following is the composition-

Table 5.1.17: Composition of internal complaints committee/ Women cell

Sr. No.	Name of members	Designation
1	Dr. Anagha Joshi	Presiding Officer
2	Mrs. Vishakha Hastak	Member Teaching faculty
3	Dr. Madhur Kulkarni	Member Teaching faculty
4	Mrs. Pradnya Kulkarni	Member from Non- Teaching faculty
5	Mrs. Sunita Bhagat	Member from Non- Teaching faculty
6	Ms. Manpreet Brar	Student representative- UG
7	Ms. Prerana Brahme	Student representative- UG
8	Ms. Bhagyashri Vinchure	Student representative- PG
9	Ms. Nisha Goge	Student representative- Research Scholar
10	Mrs. Sandhya Gokhale	NGO Representative Mahila Seva Mandal, Pune

MECHANISM TO DEAL WITH THE ISSUES



There are no such incidences reported so far.

5.1.22 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

- Yes, Antiragging committee has been constituted for curbing the Menace of Ragging in Higher Educational Institutions under UGC Regulations, 2009 Para 6.3(a).
- Maharashtra Prohibition of Ragging Act 1999 which is in effect from 15th May, 1999 has the following provisions for Action against Ragging.
- Ragging within or outside of any educational institution is prohibited.
- Whosoever directly or indirectly commits, participates in, abets, or propagates ragging within or outside any educational institution shall, on conviction, be punished with imprisonment for a term up to 2 years and / or penalty, which may extend to ten thousand rupees.
- Any student convicted of an offence of ragging shall be dismissed from the educational institution and such student shall not be admitted in any other educational institution for a period of two years from the date of order of such dismissal.
- Ragging is Prohibited as per the decision of the Supreme Court of India in Writ Petition No. (C) 656/1998. AICTE has framed regulation which has been notified vide F.No.37-3/Legal/AICTE/2009 dated July 1, 2009 (available on AICTE web portal at WWW.AICTE-india.org) Grievance>Anti-Ragging) on curbing the menace of ragging.

Table 5.1.18: composition of Anti-ragging cell

Sr. No.	Anti Ragging Committee Members	Orgnization
1.	Dr. Anagha Joshi	Principal, SCES'S , Indira college of Pharmacy
2.	Police Inspector	Hinjewadi Police Station, Pune State Government of Maharashtra.
3.	Mr. Deendayal Vaidya	Sakal Newspaper (Local Media)
4.	Mrs. Manjoo Phadke	Pune Rotary Club, Deccan Gymkhana (NGO).
5.	Dr. Dayanand Kannur	Vice Principal, Indira College of Pharmacy
6.	Mrs. VishakhaHastak	SCES'S Indira College of Pharmacy, Pune (Pharmacist)
7.	Dr. Suniti Gore	DES, Fergusson College, Pune (Parent)
8.	Ms. Rajashree Waralika	Warden, Galaxy Hostel, Indira Group of Institutes, Pune
9.	Mr. Mugais Kazi	SCES'S Indira College of Pharmacy, Pune (Student)
10.	Ms. Aditi Shah	SCES'S Indira College of Pharmacy. (Student)
11.	Ms. Shreya Yelnarkar	SCES'S Indira College of Pharmacy, Pune (Student)

5.1.23 How does the institution elicit the cooperation of all its stakeholders to ensure the overall development of its students?

The institute always initiates a dialogue with all its stakeholders. The valuable feedback and suggestions given by the stakeholders' viz. students, parents, faculty, alumni and employers are taken into consideration and implemented. Alumni and parents meetings are conducted. This helps the institute to improve and facilitate development of the students.

5.1.24 How does the institution ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

- Institute always ensures participation of women Students in intra- and inter-institutional sports competitions and cultural activities.
- Our girl students have won various competition and earned accolades and awards in various intercollegiate competitions. Following are few of the awards received.

Table 5.1.19: Details of sports and cultural activities where women students participated

Sr. no	Competition	Name of the students	Rank/ position
1	Operacy 2013 organized by Kirloskar institute of advanced management	Rutuja kamble Pooja Pawar	Winner
NPW events organized by IPA Pune branch 2015			
1	Essay competition	Utkarsha Rande	Winner
2	Elocution competition	Arya Indulkar	Runner up
3	Patient Counseling	Arya Indulkar Gore Smruti Aparna Ekande	Runner up
IPA intercollegiate sports events-INVICTA 2017			
1	Badminton Singles	Aditi Shah	Winner
2	Chess	Ankita Bankhele	Winner
3	Tug of War	Aishwarya Sonawane Poonam Anande Jyoti Vishwakarma Sonali Pawar Jyoti Kaygude Diksha Mishra Dhruvi Gosar	Winner
4	Badminton doubles	Utkarsha Rande Diksha Mishra	Runner up

5.1.25 Does the institution enhance the student learning experience by providing for rotation from the teaching hospital to the community and district hospital during the internship period?

➤ NA

5.1.26 Does the institution have immunization policy for its students and staff?

➤ NA

5.1.27 Does the institution give thrust on students growth in terms of:

Table 5.1.20: Activities conducted for Physical development, Emotional control, Social dimension, Spiritual growth

Area of growth	Activities conducted
Physical development	<ul style="list-style-type: none"> ➤ Sports events and cultural events are organized at intra and inter collegiate level. ➤ Yoga sessions are conducted for Physical wellness of students. ➤ Sessions on Nutrition and its importance is conducted.
Emotional control	<ul style="list-style-type: none"> ➤ The soft skill training sessions are conducted. ➤ SAMVEDANA sessions are conducted for emotional wellness of students. ➤ ICP life leadership program helps student to get interaction with the faculty mentor. ➤ MIND gym and life skills sessions are organized.
Social dimension	<ul style="list-style-type: none"> ➤ NSS camps are organized for making students socially well developed and independent. ➤ Various rallies are organized for making students aware of their social responsibilities.
Spiritual growth	<ul style="list-style-type: none"> ➤ Sessions on YOGA are conducted ➤ Students are encouraged for meditation. ➤ Institute library provides books on spiritual development. ➤ Various cultural festivals are celebrated.

5.2 STUDENT PROGRESSION

5.2.1 What is the student strength of the institution for the current academic year? Analyze the Program-wise data and provide the trends (UG to PG, PG to further studies) for the last four years.

Table 5.2.1: Student strength of the institution, Program-wise data and the trends

Year	Strength of students (B. Pharm.)	Strength of students (M. Pharm.)	UG to PG progression
2015-16	250	10	19
2014-15	249	18	20
2013-14	259	07	15
2012-13	248	29	15

5.2.2 What is the number and percentage of students who appeared/qualified in examinations for Central / State services, Defense, Civil Services, etc.?

Table 5.2.3: number and percentage of students who qualified in examinations

Sr. No.	Academic year	Name of the student	Examination Qualified
1	2016-17	Mr. Vijay Surase	UPSC
2	2015-16	Mr. Atul Bhoite	UPSC
3	2014-15	Mr. Archis Jadhav	combined defence services in - total - 4 exams

Many students of ICP have opted for M. Pharm/ M.S./MBA programs after UG studies. Some of them joined jobs in reputed pharm industries in various capacities. Also some are entrepreneurs. Generally the students do not opt for such examinations.

5.2.3 Provide category-wise details regarding the number of post graduate dissertations, Ph.D. and D.Sc. theses submitted/ accepted/ rejected in the last four years.

The number of post graduate dissertations submitted by institute to SPPU is as follows

Table 5.2.4: Number of post graduate dissertations submitted

Academic year	No. of M. Pharm. dissertation submitted		
	Pharmaceutics	Quality assurance techniques	Pharmacology
2015-16	10	--	01
2014-15	18	--	01
2013-14	07	--	03
2012-13	12	05	13

5.2.4 What is the percentage of graduates under AYUSH programs employed in the following?

➤ NA

5.3 STUDENT PARTICIPATION AND ACTIVITIES

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the program calendar and provide details of students' participation.

Institution organizes various types of sports, cultural and extracurricular Activities for the students. The details are as follows-

Table 5.3.1: Details of sports conducted for students

Sports events		
2016-17	Date	No of participants
Chess	16/02/2017	13
Carom	17/02/2017	21
Table tennis	17/02/2017	12
Volley ball	17/02/2017	26
Throw ball	17/02/2017	30
Basketball	17/02/2017	55
Cricket	16/02/2017	75
Kabbadi	16/02/17	64
2015-16		
Chess	01/03/16	11
Carom	01/03/16	17
Table tennis	01/03/16	10
Volley ball	01/03/16	24
Throw ball	01/03/16	24
Basketball	01/03/16	45
Cricket	02/03/16	63
Kabbadi	02/03/16	43
2014-15		
Chess	02/03/15	12
Carom	02/03/15	17
Table tennis	02/03/15	10
Volley ball	02/03/15	23
Throw ball	02/03/15	24

Cricket	03/03/15	64
Kabbadi	03/03/15	35
Basketball	02/03/15	46
2013-14		
Chess	29/01/14	10
Carom	29/01/14	19
Table tennis	29/01/14	10
Volley ball	29/01/14	22
Throw ball	29/01/14	22
Basketball	29/01/14	43
Cricket	30/01/2014	64

Table 5.3.2: Details of cultural events conducted for students

Cultural events		
2016-17	Date	No of participants
Dance	18/02/17	48
Drama	18/02/17	28
Fashion Show	18/02/17	30
Singing	18/02/17	13
2015-16		
Dance	05/03/16	33
Drama	05/03/16	28
Fashion Show	05/03/16	21
Singing	05/03/16	11
2014-15		
Dance	06/03/15	28
Drama	06/03/15	29
Fashion Show	06/03/15	24
Singing	06/03/15	14
2013-14		
Dance	02/02/14	26

Drama	02/02/14	26
Fashion Show	02/02/14	21
Singing	02/02/14	12

Table 5.3.3: Details of extracurricular activities conducted for students

Extracurricular events		
2016-17	Date	No of participants
Rangoli	15/02/17	14
Salad Decoration	15/02/17	15
Flower Arrangement	15/02/17	24
Museum Display	15/02/17	11
Face Painting	15/02/17	14
Mehendi	15/02/17	13
2015-16		
Rangoli	03/03/16	15
Salad Decoration	03/03/16	16
Flower Arrangement	03/03/16	13
Museum Display	03/03/16	10
Face Painting	03/03/16	15
Mehendi	03/03/16	15
2014-15		
Rangoli	04/03/15	12
Salad Decoration	04/03/15	13
Flower Arrangement	04/03/15	11
Museum Display	04/03/15	11
Face Painting	04/03/15	13
Mehendi	04/03/15	11
2013-14		
Rangoli	01/02/2014	10
Salad Decoration	01/02/2014	13
Flower Arrangement	01/02/2014	12

Museum Display	01/02/2014	09
Face Painting	01/02/2014	08
Mehendi	01/02/2014	09

Table 5.2.4: Participation details of students in sports, cultural and extracurricular activities

Academic Year	No. Of students participated in university level activities	No. Of students participated in institute level activities
2016-17	02	184
2015-16	00	160
2014-15	00	155
2013-14	00	150

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

Table 5.2.5: Achievements of students in co-curricular, extracurricular and cultural activities

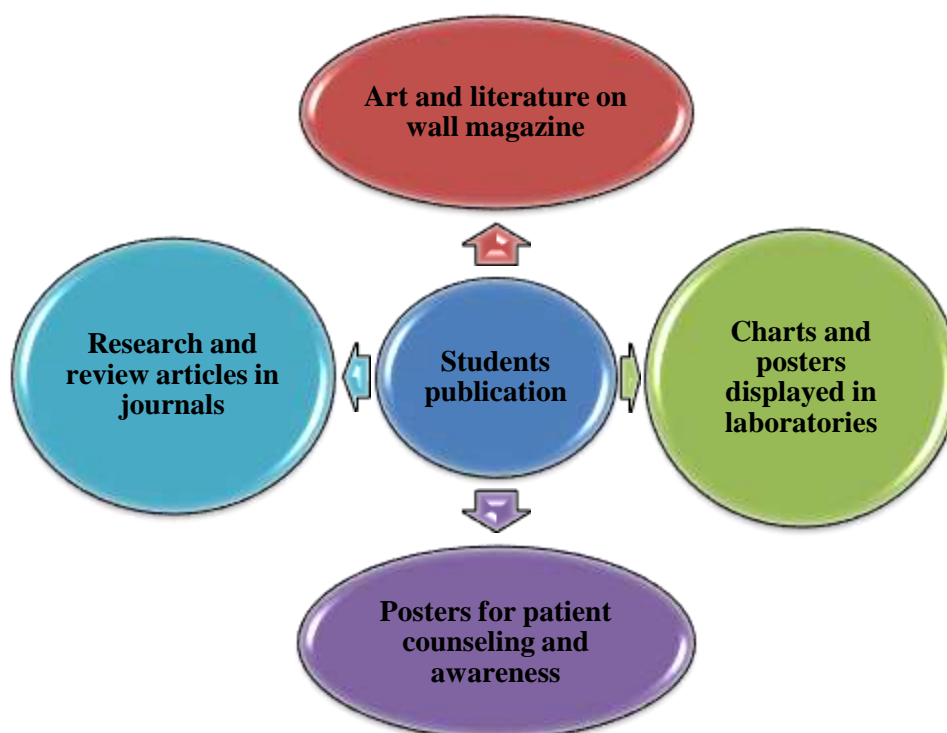
Category	Name of the Event	Rank	Level	Name of Rankers
B. Pharm	3rd National level pharma Quiz, Jointly organized by SB College of Pharmacy, Nagpur and Alembic Pharma, in February, 2017	Fourth	National level pharma Quiz Competition	Ms. Priya Chand And Uttkarsha Ranade

5.3.3 Does the institution provide incentives for students who participate in national / regional levels in sports and cultural events?

- The institute provides Registration fees to the students to participate in in national / regional levels in sports and cultural events such as:.IPA- National Pharmacy week celebrations, IPA- INVICTA, University level sports participation and National Level competitions.
- The travelling expenses for some of the events has been borned by the institute.

5.3.4 How does the institution involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.

- Students are always encouraged to publish their art and literature on a wall magazine.
- Students are also encouraged to publish their academic research or review articles in reputed journals.
- Students prepare the charts and posters for the academic material which is displayed in the laboratories.
- Students prepare posters for patient counseling and for creating awareness about various other health care issues like Swine Flu, Dengue, Self-medication,



5.3.5 Does the institution have a Student Council or any other similar body? Give details on its constitution, activities and funding.

Yes, the institution has a structured student council. The student council actively participates in all the extra curricular and co curricular activities. The students are also involved in college working committees. As per the activities the students are financially supported by the institution.

Table 5.2.6: Constitution of College Students' Council

Sr No.	Name of Members	Designation
1	Dr. Anagha M. Joshi Principal	Chairman
2	Dr. Dayanand Kannur Vice Principal	Member
3	Mr. Amir Shaikh Assistant Professor, Dept. of Pharmaceutics	Member
4	Ms. Poorva Khole Final Year B. Pharm Student	Student - Member
5	Ms. Utkarsha Ranade Final Year B. Pharm Student	Student - Member
6	Mr. Mughais Kazi Third Year B. Pharm Student	Student - Member
7	Ms. Aishwarya Sonawane Second Year B. Pharm Student	Student - Member
8	Mr. Kanaram Choudhary Final Year B. Pharm Student	Student - Member
9	Ms. Aishwarya Huprikar Third Year B. Pharm Student	Student - Member
10	Ms. Andhale Swati Third Year B. Pharm Student	Student - Member

5.3.6 Give details of various academic and administrative bodies that have student representatives in them. Also provide details of their activities.

Table 5.2.7: Details of college working committee that have student representatives

Committee	Activities
Anti-ragging Committee	<ul style="list-style-type: none"> ➤ To observe misconduct among students' community in classroom as well as at other places. ➤ To implement and coordinate anti-ragging measures members of committee.
Academic Committee	<ul style="list-style-type: none"> ➤ Class Representative of each class is a member of committee who coordinates with academic in charge for monitoring routine academic activities.
Training and Placement Committee	<ul style="list-style-type: none"> ➤ Students' representatives helps in planning and arranging Campus interviews and industrial visits.
Grievance Redressal Cell/ internal complaint committee	<ul style="list-style-type: none"> ➤ Students representatives helps other students to communicate/report grievances regarding academics, conduct, etc.
Alumni Committee	<ul style="list-style-type: none"> ➤ Students representatives facilitates communications with alumni
Extra-Curricular and Sports	<ul style="list-style-type: none"> ➤ Students' representatives plans and arranges all events.
Seminar & Workshop Committee	<ul style="list-style-type: none"> ➤ Students representatives helps in organizing seminar and conferences

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 INSTITUTIONAL VISION AND LEADERSHIP****6.1.1 State the vision and the mission of the institution.**

➤ The vision and mission of SCES' ICP is the right blend of vision of our parent body & suggestions received from the faculty and industry associates. ICP's moto is to nurture good values amongst student community thereby developing professional Pharmacists and responsible citizens.

➤ ICP believes in holistic development of the students, so as the aspiring students become inspiring pharmacists of future. The onus is to develop Globally Competent Pharmacists by give them the skill sets that would help them to excel in their career. Our mission is to develop Professional Pharmacist who will fulfil the Industrial and Community needs as well as shoulder the responsibility of reducing the suffering of mankind by providing Pharmaceutical care.

The Vision and Mission Statements of ICP are as follows-

VISION

“To be a center of excellence by redefining Pharmacy Education and nurture Globally Competent Professional Pharmacists.”

OUR MISSION

➤ To train and develop students into Professional Pharmacist so as to fulfil the Industrial and Community needs

➤ To shoulder the responsibility of reducing the suffering of mankind by providing Pharmaceutical care.

❖ Short term goals of the institute:

1. To attain consistently high educational standards.
2. Continuously work towards upgrading the standards of pedagogy by encouraging academically useful research by the faculty.
3. To Train students at the graduate level into professionals to fulfill the requirements of the industry in students.
4. To inculcate entrepreneurial abilities in the students.
5. Cultivate close ties with the industry to pass the benefits of their knowledge and

experience to the research work of the institute.

6. To upgrade faculty knowledge by organizing faculty development program or by sending them to various quality improvement programs as well as by providing industrial exposure.
7. To expand the scope of industry institute interaction to improve placement and certificate program and training.
8. To provide exposure to global knowledge via e-learning resources.

❖ **Long term goals:**

1. To be center of academic excellence.
2. To inculcate the research culture and strength it by applying for research grants from various funding agency to enhance the quality of research.
3. Develop the college as a center of socially useful research in the area of Pharmacy to enable us to do our bit towards the society.
4. To channelize the innovative research ideas of students and faculty to generate IPRs and commercially viable products.
5. To further strengthen industry institute interaction for collaborative research consultancy and competency of students.
6. To ensure quality education through In Process Quality Control (IPQC).

❖ **Objectives:**

1. To ensure efficient teaching methods and consistent evaluation process.
2. To shape pharmacy graduates equipped with knowledge and skill to cater to the health-care needs of the society.
3. To provide conducive academic environment to the students and to inculcate disciplined and methodical work culture among the students.
4. To create state of art facilities to upgrade the technical skills of the students.
5. To provide conducive environment for holistic development of students.
6. To organize and assist in the health-care programs undertaken by professional organizations and Government agencies to fulfill society's needs.
7. To inculcate among the students the knowledge and technical skills to carry out the synthesis and analysis of drugs as well as develop, manufacture, market pharmaceuticals and cosmetics.
8. To develop amongst the student the knowledge and technical skills of

biopharmaceutical aspects and bio assays as well as screening of drugs for pharmacological actions.

9. To develop amongst the students the technical skills and knowledge for identification, standardization of drugs obtained from natural origin, herbal drugs as well as development of herbal formulations and cosmetics.
10. To train the students and develop their technical skill for handling sophisticated analytical instruments.
11. To create a talent pool by involving students in research projects and to make students undertake research projects under the guidance of faculty.
12. To groom, train the students and develop their overall personality to meet the needs of the corporate culture.
13. To establish industry institute partnership cell to bridge the gap between industrial requirements and syllabi.
14. To motivate the students to be new age entrepreneurs.
15. To motivate and train the students to undertake the higher education in India and abroad.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

Yes, the mission include the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, education institution's traditions and value orientations.

The need of the society is easy access to healthcare at affordable cost & rational advice on maintaining of good health. The need of our society is to have optimistic people, who will lead the society properly for changes and development of the society in terms of knowledge, technology etc., we make such students who with various activities train and develop the society. The mission, goals and objectives of ICP clearly shows that our students will be the assets for the society.

We prepare our students to face the world with proper value systems, technological knowledge, quest for lifelong learning etc. This is reflected in the mission, goals and objective of the college.

6.1.3 How is the leadership involved in?

✚ Developing E-Governance strategies for the institution?

- The information of the college and necessary formats are displayed on the college website for better access to the information and quality service to the stakeholders.
- E-feedback system is developed for the stakeholders.
- Simplified and user friendly surface of the website.
- Well maintained computer labs enable students to the electronic accessibility.
- Well stacked library with good e-books & journals, database & based on slim software. We are associated with National Digital Library & Inplibnet, Delnet.
- Outlook (E-mail) facility is provided for staff for internal communications.
- Indira Group of Institutes has developed a mobile application to reach the students, staff and parents.
- Free Wi-Fi usage

✚ Ensuring the organization's management system development, implementation and continuous improvement?

We believe in effective leadership to enhance quality and performance of the institution which motivate, empower and encourage the management and staff to enhance their performance of duties.

Following steps have been taken to ensure system development, implementation and continuous improvement-

- The management of ICP is committed to provide high quality academic programs, training activities and research facilities to the faculty and students.
- The college has formed the Governing Council, Local Managing Committee, regular working committees and their meetings are conducted regularly to ensure timely decision making and quality check.
- Necessary infrastructure (class rooms with technology, learning tools, laboratories, computers, internet etc.) is provided to the staff and students.
- National/ state level seminars like Pharma Zeal, Annual event like Spectrum is organized to promote all round development of staff and students.
- Innovation and excellence in academics and teaching and various learning pedagogies involving electronic media is always encouraged.
- Encourages the postgraduate students to undertake research activities beyond the syllabus by to present papers in conferences and publish papers in journals.

- Management encourages the teaching staff to apply for major and minor project grants, to publish papers and research articles, public lectures etc. Under the Faculty Development program (FDP) staff is encouraged to pursue the Ph.D. degree.
- Student Council, Grievance Redressal Cell, Women's Cell, Anti Ragging Committee is formed to ensure students and women's safety.
- Management is easily accessible and approachable. Good suggestions from stakeholders are always welcomed. The management is always open and flexible to good changes in the system. The staff and students can consult the Principal on any administrative matters.
- Outlook (E-mail) facility is provided to staff for efficient and quick internal communications. Use of social media e.g. what's app is also used to communicate the messages.
- College Facebook page is created for better networking and disseminating various co and extracurricular activities at the college.

Interacting with its stakeholders?

- The major stakeholders of the institute are our students, their parents, the staff (both teaching and non-teaching), management, the affiliating university and the society at large.
- The Principal actively interacts with all the stakeholders on various occasions throughout the academic year. Our Principal meets staff, parents and students on a regular basis. She interacts with the teaching community at large during meetings of different professional bodies and during national or international conferences conducted in colleges or in other institutions.
- Our Chairperson is also regularly interviewed and her opinions are sought by the students through social media and in person related to education and personality development. She regularly meets the students and staff through "CARE CLUB" activity which is defined as "an active platform to COUNSEL, ADVICE, RISE And EVOLVE". She guides the students and staff on their personal, professional issues.
- The General Management represented by the Director- Administration of the group, is also available to meet staff and students on an almost daily basis.

✚ Reinforcing a culture of excellence?

The superiors motivate and encourage staff and students to enhance their potential through team work and participatory initiatives. Every employee understands institute's vision, and also knows their own roles, responsibilities and the specific actions they need to take in order to help achieve this vision-

- The faculty is motivated to present their research work in national/ international journals. Also, they can actively participate in National/ International seminars, workshops, conferences, guest lectures to share their views and gain the knowledge. So, the culture of research is promoted at all levels.
- The faculty has been entrusted with freedom to interact with outside world and to engage themselves in professional activities and to undertake collaborative research and consultancy assignments.
- The college is recognized by UGC under 2f &12B. So, teaching staff is encouraged to apply for major and minor research project grants from UGC and SPPU.
- Our postgraduate students have undertaken research activities by presenting papers in conferences and participating in poster presentation competitions.
- We believe in Collective efforts than individual to grow with everyone.

✚ Identifying organizational needs and striving to fulfill them?

The leadership takes initiatives along with the staff to create academic and extracurricular activities that reflect the institution's goals. The social outreach and value education programs help building values whilst equipping students to meet environmental and global challenges.

✚ Step taken in fulfilling the goals-

- Students also evaluate their teachers at the end of the academic year in student's feedback format. The same is analyzed and corrective steps are taken.
- Teachers submit annual teaching plans and syllabus completion reports.
- Extra classes are arranged for weak students.
- We ensure that our staff remains updated of latest happenings in their specialized fields as well as in teaching techniques. They are sent for orientation programs, seminars, workshops, conferences to upgrade themselves in their field. FDP's are regularly arranged.
- We organize one major National/ State level seminar every year to inculcate research culture in faculty.

- We upgrade our students about current industry scenario through organizing Industry visits and guest lectures by eminent speakers.
- We invite our alumni occasionally to address and inspire students.
- For sustainability of our institute transparency in all areas to ascertain the trust.

6.1.4 Were any of the top leadership positions of the institution vacant for more than a year? If so, state the reasons.

The top leadership position of the institute i.e. Principal, is filled permanently since inception till date. The current Principal is having Permanent teacher's approval and PhD, PG teacher recognition from SPPU.

As per roster few teaching positions are vacant for more than a year due to non-availability of qualified teaching staff belonging to respective category for the position. However these positions are filled by adhoc appointments of qualified faculty.

6.1.5 Does the institution ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes, the institute ensures that all positions in its various statutory bodies are filled and meetings conducted regularly. The Governing body, Local Managing committees are formed as per AICTE and SPPU notification respectively. The meetings of the same are conducted as per the schedule prescribed by AICTE and SPPU. Following committees are also formed and it is ensured that the meetings are conducted regularly and the records are well maintained.

Table No.6.1.1 List of College working Committees

Sr. No.	Name of the committee
1.	Anti-ragging Committee
2.	Women Cell
3.	Grievance Redressal Committee
4.	Examination Committee
5.	Library Committee
6.	Purchase Committee
7.	Alumni Committee
8.	Seminar and Workshop Committee
9.	Academics Committee
10.	Admission Committee

11.	College Development Committee
12.	Website and Press Publicity Committee
13.	Industrial Tour and Placement
14.	Extra- Curricular and Sports
15.	Finance Committee
16.	Magazine Committee
17.	R & D Committee
18.	Staff Welfare Committee
19.	Stores and Maintenance Committee
20.	GPAT and Competitive Examination

6.1.6 Does the institution promote a culture of participative management? If yes, indicate the levels of participative management.

Yes. ICP has ensured concrete policies whereby the values of participative management are woven into the everyday functioning of the institution. The college promotes a culture of participative management with the help of following ways-

- Governing Council, Local Managing Committees are in place for critical decision making. These committees consist of top management, principal, faculty and non-teaching staff, AICTE, DTE & SPPU Nominee.
- Delegation of Authorities and responsibilities and participative problem solving.
- The faculty in guidance of the Principal drafts the academic year calendar.
- Various committees organize activities that help achieve the college objectives.
- Student and staff committees take responsibility for the various activities of the college.
- All faculties and non-teaching staff hold informal meetings with principal and discuss the points to be put forward.
- Student feedback are analyzed and implemented as per the requirements.
- Committees of the statutory bodies like SPPU, PCI, DTE and AICTE are handled proactively in a participative way.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges / constituent units and the support and encouragement given to them to become autonomous.

The university has provided few academic and administrative posts in the affiliated colleges viz:

- CEO – Responsible for the code and conduct of Examinations.
- ARC – Academic Research Coordinator, who acts as a nodal link between the University and the colleges for research activities.
- NSS officer: The NSS officer is in charge to conduct all the activities under the NSS umbrella.
- SWO – Student Welfare Officer who looks after the student welfare activities.

The college mission and objectives are keen on institutional growth as well as individual growth. So, the delegation of powers and authority inculcated by the top management, freedom of work is given to the employees. The delegation of authority provides operational autonomy to the individuals.

Principal is the administrative head. She looks after where tasks and responsibilities are systematically delegated and accountably discharged through committees and office-holders, to meet growth needs and ongoing maintenance and performance objectives. The Principal decentralize duties and responsibility through various staff council committees.

Every employee is given freedom of working style to complete the tasks, but that should be in coordination with the head.

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

Our affiliating University SPPU has provisions in the University Act and Statutes to provide for conferment of degrees by autonomous colleges for some courses. But there is no such provision for B. Pharm., M. Pharm. and Pharm. D. courses yet.

6.1.9 How does the institution groom leadership at various levels? Give details.

IGI is an unique organization where ‘Super 7’ team drafts various policies, reviews implementation and mentors different institutes under IGI.

‘Super 7’ team is an executive committee which guides Principals and senior faculties in achievement of their personal and institutional goals. A core team is formed

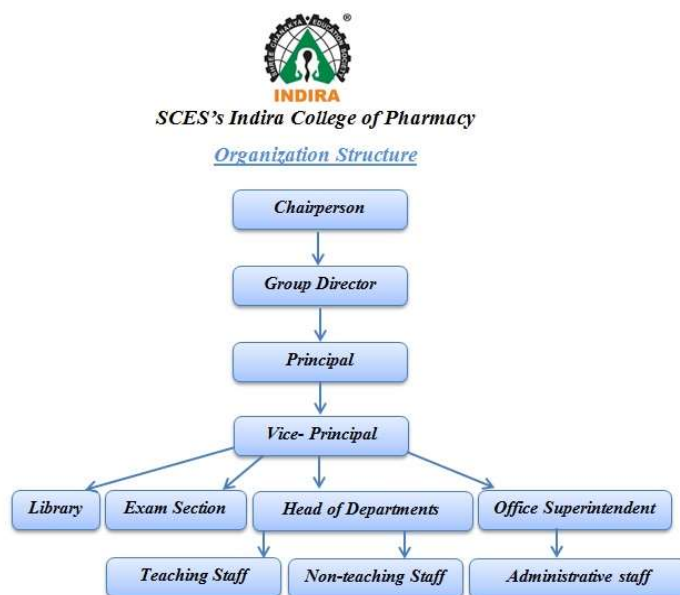
by Management where brainstorming sessions of Principals regularly take place. Our chairperson personally grooms, the Principals and directors and empower them to implement their duties.

➤ **Principal-** As the administrative head. She looks after where tasks and responsibilities are systematically delegated and accountably discharged through committees and office-holders, to meet growth needs and ongoing maintenance and performance objectives. The Principal decentralize duties and responsibility through various staff council committees. She interacts with staff, students and parents on various issues.

➤ **Vice Principal** – IGI has centrally formed I-next team, to nurture second-in command line. Various activities are conducted to inculcate leadership acumen in I-next members. The Vice Principals are In-charge of academic issues, student discipline, overall growth and interaction with parents regarding matters of welfare of students. Ensure the smooth conduct of college matters.

➤ **Head of the Departments-** Make independent decisions regarding the activities in their respective departments and contribute in their respective manner to the overall growth of the college.

➤ **Individual Faculty-** Faculty members are put in-charge of various associations and events. The coordinators are given freedom to plan and execute duties relating to their respective committees/associations programs. The reports regarding each academic year activities are submitted to the Principal. Plans for activities for the next academic year are shared with the Principal prior to the end of the current academic year.



6.1.10 Has the institution evolved a knowledge management strategy which encompasses the following aspects such as access to-

+ Information Technology

- Institute Website is in place
- All computer systems are internally connected with LAN
- Library is equipped with various e-books, International, National e- journals
- Web documents can be shared and preserved on MS Outlook
- Education software- Design Expert, Chem. Draw, Minitab

+ National Knowledge Network (NKN) – Available through Jaykar Library

+ Data Bank: Various software and online databases required for good teaching learning is available.

+ Other open access resources along with effective intranet facilities with unrestricted access to learners.

If yes, give details.

- Yes, ICP strongly recommends the use of open source resources, including Operating systems (Linux) and other useful applications.

6.1.11 How are the following values reflected in the functioning of the institution?

+ Contributing to National development

The institute regularly undertakes various programs for citizens in consonance with the national health programs as follows-

- Hemoglobin determination camp
- Blood group detection camp
- NPW- Patient counseling
- Swine flu vaccination in collaboration with SERUM Institute India
- Polio mass vaccination in collaboration with PCMC
- Patient education about the safe use of medicines
- Digital India volunteers, Swachh Bharat Abhiyaan

The institute is also keen on Environmental Development and so arranges Tree plantation program every year.

+ Fostering global competencies among students

The institute offers training to the students to become skilled and professional Pharmacists capable to acquire global competencies with the help of following :

- ✚ Some topics in syllabus are included like pharmacovigilance, standardization of herbal drugs, nutraceuticals, BA/BE study, biotechnology, GMP, GLP, IPR, Preformulation study, etc. These topics help the students to understand global trends in health science.
- ✚ Industrial visits are regularly organized to train students in current industry scenario. Deserving students are sent to the industry for collaborative industrial projects.
- ✚ Eminent personalities from industry, research organizations, regulatory bodies and expert academicians are regularly invited to interact with the students by organizing various guest lectures, seminars, conferences and workshops. These interactions update the students with current Pharma scenario.
- ✚ The institute also organizes various value added programs for the overall and holistic development of the students like-
 - Career development program,
 - Seminar/workshop for personality development
 - Training for soft skill development of the students
 - Certificate Programs like IPR Certificate Course, GMP Certificate Course, Pharmacovigilance Course, WIPO certification Course, Pharmaceutical marketing.
 - Pre placement activities
 - Entrepreneurship workshop
 - Guest Lectures from academicians from foreign Universities.

✚ **Inculcating a sound value system among students**

True meaning of education is holistic development of students. Moral, ethics and spiritual training is an essential part of education to make student a good human being. We, at ICP, follow this principle to make the students competent professionals and ethical human beings. The curriculum designed by SPPU is value based, but we also inculcate values amongst students by-

- We impart them Pharmacist Oath on the first day of college which teaches them to be integrated and ethical towards their profession.
- The teachers personally interacts the students to increase their moral.
- The institute regularly organizes various Health and environmental programs for citizens to make students believe their responsibility towards nation.

- We inculcate values such as equality of gender, respect to women, care, non-discrimination, non-violence, honesty and integrity, dignity towards their duties, culture with the help of various social, national, spiritual events.

✚ Promoting use of technology:

Though ours is a pharma institute our students have volunteered in spreading awareness and educating people for Digital India, use of App is encouraged for easy access to information.

✚ Quest for excellence

ICP since inception has strived hard to achieve and excel in the academic as well as research portfolios.

- The college is awarded as “*Best Institute in Pharmacy*” at the 9th Innovative Education Awards, held in Mumbai in the year 2017.
- ICP was awarded the college awarded as “*Top Performing Pharmacy Institute*” World Education Congress, Global awards 2016, Mumbai.
- The college was awarded as “*Best Educational Institute in Pharmacy*” at the World Education Congress 2012, Mumbai.
- The college was ranked amongst top 75 colleges in India. (Survey conducted by career 360 magazine).
- 3 Patents filed by ICP-IPR Cell
- Received a total Research Grant to the tune of Rs. 25 Lakhs.
- More than 100 Research and review papers published in national and international journals.

6.1.12 Has the institution been indicted / given any adverse reports by National Regulatory bodies? If so, provide details.

- The institute has never been indicted and no adverse report has been given by any national regulatory body.

6.1.13 What are the projected budgetary provisions towards teaching, health care services, research, faculty development, etc.?

- The budget makes provisions for salaries, consumables, maitainance, research, FDP, student welfare, industrial visits, career development programs like seminars and conferences, guest lectures, certification programs, etc.

Table No.6.1.2 The budgeted provision for last three years is as follows:

	2016-2017	2015-2016	2014-2015	2013-2014
	Rs.	Rs.	Rs.	Rs.
Salaries	19,722,810.00	17,247,248.00	14,625,518.00	15,359,788.00
FDP	65,000.00	100,000.00	30,000.00	30,000.00
Consumables	350,000.00	350,000.00	450,000.00	500,000.00
CDP	135,000.00	175,000.00	225,000.00	125,000.00
Industrial Visit	30,000.00	20,000.00	10,000.00	10,000.00
Placement	20,000.00	20,000.00	20,000.00	20,000.00
library	500,000.00	210,000.00	300,000.00	650,000.00
Computers	1,099,500.00	607,000.00	350,400.00	400,400.00
Admin & Others	15,756,058.00	16,610,221.00	14,268,207.00	17,461,520.00

6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT

6.2.1 Does the institution have a perspective plan for development? If yes, what aspects of the following are considered in the development of policies and strategies?

Yes, we have an inclusive pragmatic perspective plan.

Vision and mission

OUR VISION

- “To be a centre of excellence by redefining Pharmacy Education and nurture Globally Competent Professional Pharmacists.”

OUR MISSION

- To train and develop students into Professional Pharmacist so as to fulfil the Industrial and Community needs
- To shoulder the responsibility of reducing the suffering of mankind by providing Pharmaceutical care.

Teaching and learning

- To inculcate the best teaching learning practices, thereby focussing on updating the student knowledge and their skill sets.
- To expose the students to latest technologies and developments in the industry.
- To create and develop academically oriented student friendly atmosphere.

Research and development

The institute's vision to be centre of excellence in academics & research is based on its growth in the R&D field, ICP has a comprehensive Research and consultancy policy, which focuses on motivating the faculty members to undertake research activities as well as apply for funding.

Community engagement / outreach activities

- Our mission at ICP is to reduce the suffering of mankind by providing Pharmaceutical care.
- ICP has undertaken various social drives with the aim to serve the community; ICP has time and again arranged various social drives as part of community outreach activity. Clean Hands Drive, Safety in Drugs Usage, Chikungunya, Dengue.
- The onus is to become a center of excellence in Community Pharmacy & Pharmaceutical care

Human resource planning and development

- The environment is conducive and the policies are framed in such a way that the faculty develop institutional bonding and low attrition rate.
- ICP strives hard to motivate the faculty and staff to have meaningful interaction with the Industry to achieve newer skill sets as well as have collaborative projects, which will help the student's community.
- The faculty members are supported to undertake research activities as well as carry out their Doctoral studies.

Industry interaction

- In order to get funding from the industry faculty members are allowed to have extensive interaction with industry personnel via various platforms like conferences, guest lectures or industrial visits. This helps the faculty members to understand the need of the industry and to industry can know the expertise of the faculty in order to offer relevant project.

Internationalization –

- Invite eminent personalities from global academia, research institutes as well as industry are regularly on the campus to deliver Guest Lectures and guide the students.

- Support Faculty members to attend international conferences and meetings as well as invitation programs.
- Encourage and motivate students for GRE and other exams to pursue higher education abroad.

6.2.2 Describe the institution's internal organizational structure (preferably through an organogram) and decision making processes and their effectiveness.

- Is there a system for auditing health care quality and patient safety? If yes, describe. - NA
- How often are these review meetings held with the administrative staff? – NA



SCES's Indira College of Pharmacy

Organization Structure



6.2.3 Does the institution conduct regular meetings of its various Authorities and Statutory bodies? Provide details.

- Yes, the institution has a Governing Council and a Local Managing Committee. The meetings pertaining to the smooth functioning of the college are conducted regularly.
- The GC meetings are conducted 4 times a year and LMC meetings are conducted twice a year.

6.2.4 Does the institution have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

- IGI has a strong policy to maintain high quality standards which is implemented by Internal Quality Assurance Cell (IQAC).
- The policy is designed taking into consideration the interest of all the stake holders.
- IQAC continuously monitors all the activities and teaching learning processes to ensure high academic and research standards.
- The quality policy is implemented through the college working committees.
- The policy is reviewed as per requirement taking into consideration the advances and developments in the teaching learning process.

6.2.5 Does the institution encourage its academic departments to function independently and autonomously and how does it ensure accountability?

Yes, autonomy is given to each department to function independently, activities like, workload distribution; time table setting, preparation of academic planners, etc are done at the department level.

6.2.6 During the last four years, have there been any instances of court cases filed by and / or against the institution? What were the critical issues and verdicts of the courts on these issues?

No. Our institute has not indulged in any court cases or legal verdicts in last four years. There were no critical issues against the college, hence no legal actions has been taken.

6.2.7 How does the institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

Yes. There is a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship.

- The Grievance Redressal Committee is constituted according to the AICTE's Establishment of Mechanism for Grievance Redressal, Regulation 2012. The committee is headed by SPPU appointed Ombudsman Dr. Shrikant Patil and Dr. Pravin Chaudhari.
- The Grievance and Suggestion Box is kept in the premises. The students, staff can share their complaints through the Grievance and Suggestion box. The box is opened once in a month and the complaints are resolved in discussion with the Grievance committee if any.
- Our Chairperson, Dr. Tarita Shankar regularly meets the students and staff through "CARE CLUB" activity which is defined as "an advice platform to COUNSEL, ADVICE, RISE And EVOLVE". She guides the students and staff on their personal, professional issues.

6.2.8 Does the institution have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes, the student feedback is collected on regular basis, this data is evaluated, suggestions and critical comments are listed and are forwarded to the Principal, who after validating takes the necessary corrective measures and in case needed further places them in front of the LMC & GC.

6.2.9 Does the institution conduct performance audit of the various departments?

Yes, the performance audit is regularly carried out by the Internal Quality Assurance Committee of IGI, the committee carries out audit of the departmental performance based on the following parameters:

- Admissions & results
- Adherence to norms
- Academics
- Research
- Faculty
- Nonteaching staff
- Academic administration
- Accounts

6.2.10 What mechanisms have been evolved by the institution to identify the developmental needs of its affiliated / constituent institutions?

ICP, is committed for continuous development of its facilities and academic administration. The institute has a sound mechanism based on suggestions and feedback for the developmental works.

6.2.11 Does the institution and hospital have their own updated websites? If so, is the information regarding faculty and their areas of specialization, days of availability, timings and consultation charges available on the website?

Yes, the institution has its own website i.e. www.indiraicp.edu.in.



The website is regularly updated and all the following information is available on website-

- Institute details- Address, Map, Contact details, email, fax etc.
- Information of departments
- Faculty - Name of the faculty, their qualification, area of specialization
- Awards and accolades
- Infrastructure details
- Placements details
- Students corner- Syllabus, various forms, time table, academic calendar
- Various Activities
- Mandatory Committees

6.2.12 What are the feedback mechanisms and documentations to evaluate the outcomes of these exercises?

ICP has a 360 degree feedback system, based on the principle of self-development and growth. The feedbacks are collected from the stake holders in hard as well as soft copies. Following is the mechanism of feedback collection:

- Students' Feedback
- Faculty Feedback
- Alumni Feedback
- Parents Feedback
- Employers Feedback
- Employee Exit Feedback
- Recruiters Feedback
- Guests/ Visitors Feedback

The feedback and suggestions are further evaluated and scrutinized to generate authentic suggestions for college development.

6.3 FACULTY EMPOWERMENT STRATEGIES

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff? What is the impact of Continuing Professional Development Programs in enhancing the competencies of the university faculty?

Faculty:

- Faculty Development programs are conducted on regular basis. Eminent educationist, industry professionals are being called to deliver the lectures and training to the faculty.
- The faculty is being motivated to apply financial assistance from SPPU, UGC for Research projects.
- The faculty is being motivated to increase the numbers of research publications.

Non-Teaching Staff:

- Sessions on disaster management and laboratory management and safety are conducted.
- Firefighting demonstration is arranged.
- Computer application program is conducted.
- Soft skill training is organized.

6.3.2 What is the outcome of the review of various appraisal methods used by the institution? List the important decisions.

Self-appraisal forms are filled and reviewed. Faculty is advised on how to improve on their weak/less accomplished points. A certificate of appreciation is issued for their accomplishments.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

- ICP strives for well-being of employees. Insurance of all teaching and non-teaching staff members along with dependents is done under group insurance policy.
- The Gratuity and Provident Fund is provided to the employees.
- Salary advances are given for various occasions and emergency.
- Maternity leave is given to the female employees.
- Well defined leave policy for the employees.
- Exceptional teaching and non-teaching staff are awarded on foundation day.
- Faculty who complete 5 years and 10 years are felicitated and appreciated for the services.
- The nonteaching members are sponsored for picnic every year.
- Birthdays of all the employees are celebrated.

6.3.4 What are the measures taken by the institution for attracting and retaining eminent faculty?

- The faculty members have the following privileges:
- Professional working culture is provided for good career growth with liberty to excel.
- 15% waiver in the tuition fees for any of the courses in IGI for wards of the employees.
- Salary is paid as per the AICTE scale and norms.
- Earned Leaves, Casual Leaves and Medical Leaves can be availed as per the policy.
- Facilities are provided and support to carry out research and doctoral studies.

- The faculties are encouraged and supported to participate and present in various conferences.
- The consultancy projects have affixed pre-defined ratio benefitting the researcher.

6.3.5 Has the institution conducted a gender audit during the last four years? If yes, mention a few salient findings.

- No, we have not conducted any gender audit in the last four years, however the institution has maximum number of girls student population as well as ladies percentage in the staff is more.
- The overall atmosphere is maintained for amicable coexistence.

6.3.6 Does the institution conduct any gender sensitization programs for its faculty?

- No, the Pharmacy graduates study Human Anatomy and Physiology as a subject in their course curriculum; as such all the faculty members are well versed with gender sensitization.

6.3.7 How does the institution train its support staff in better communication skills with patients?

- Soft skill training is organized for the support staff to deal with the students' community and peers.

6.3.8 Whether the research interests of teaching faculty are displayed in the respective departments?

- Yes, the faculty members' research interests are displayed in the departments. Their publications are displayed in the respective laboratories.

6.3.9 Do faculty members mentor junior faculty and students?

Yes. The faculty members mentor junior faculty and students.

Students:

- Care is taken of the students who fail their regular examinations. They are counseled and mentored.

- Class teacher/ student mentor: The institute takes good care of its students. Each faculty member is a mentor to a group of students, where 4 to 5 students from each class are teamed together to have a vertical interaction.
- At the time of starting every new academic year, the class teacher/ mentor informs the students about the forthcoming events and activities to be conducted during the academic year.
- Faculty encourages students for active participation in various events and to show their potential.
- Faculty regularly interacts with the students to groom them better as a person, a professional, a leader.

Faculty:

- Senior faculty helps junior faculty to clear curriculum related doubts and also guides to complete the syllabus in a given time frame.
- They mentor the junior faculty about how to conduct the Practicals effectively and important topics to be stressed while teaching.
- Encourages each other to increase no. of research publications and grants.
- HOD of each department guides the faculty to plan the activities and accomplish the work accordingly.
- Joint discussions on syllabus to share the views and betterment of academics.
- They share their innovative teaching ideas to each other to improve teaching skills.

6.3.10 Does the institution offer incentives for faculty empowerment?

Yes. Our institute has the policy that offers increments to the faculty for completion of Ph.D.

6.4 FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

WE at SCES' Indira College of Pharmacy follow measures to monitor the effective and efficient use of financial resources.

Those measures are as below-

- Development, planning of appropriate budgets

- Undertaking regular financial reporting against budgets
- Regular financial reconciliations and corrective action to resolve differences and to ensure the accuracy and completeness of transactions
- Create and document a procurement policy
- Provide training and build the financial management capacity of staff
- Undertake periodic internal audits that focus on efficiency.

Process:

- All the departments including Library, IT submit the budget proposals to the Principal. Principal submits the budget proposal to the local managing committee (LMC). After review LMC submits the budget proposal to GC, which approves the final budget.
- Central Purchase department of IGI identifies and authenticates the vendors. Purchase committee of the institute receives requisition from the stores and calls for three quotations. The comparative statement is submitted by the college to the central budget committee and purchase order is issued to the selected vendor. The bills are submitted to the Central accounts team and payments are made through the ICP account.

6.4.2 Does the institution have a mechanism for internal and external audit? Give details.

- Yes. The institution has a mechanism for internal and external audit.

6.4.3 Are the institution's accounts audited regularly? Have there been any audit objections, if so, how were they addressed?

- Yes the accounts are audited regularly, No objections so far.

6.4.4 Provide the audited statement of accounts with details of expenses for academic, research and administrative activities of the last four years.

	2015-16	2014-15	2013-14	2012-13
Salary	17,197,594.00	14,788,608.00	14,229,833.00	10,420,638.00
Lab Consumables	626,501.00	207,946.00	422,512.00	333,385.60
Computer-Recurring	177,375.00	151,045.00	124,992.00	103,385.60
Equipment's	449,850.00	170,538.00	529,147.00	908,637.00
Library Books & Journals	323,603.00	542,912.00	157,283.00	172,979.60
Admin & Other	11,697,315.25	19,763,391.67	19,236,790.61	29,440,804.79

6.4.5 Narrate the efforts taken by the institution for resource mobilization.

- ICP is a self-financed institution, where the funds are generated through the Fees paid by the students. The fees which are sanctioned by the FRA are printed in the college prospectus.
- The faculty members are motivated to write research proposals and apply for grants.

6.4.6 Is there any provision for the institution to create a corpus fund? If yes, give details.

- We have not created any corpus fund as such however, our parent body, i.e. Shree Chanakya Education Society provides for our requirements as and when needed.

6.4.7 What are the free / subsidized services provided to the patients in the hospital?

- NA

6.4.8 Does the institutions receive fund from philanthropic organizations / individuals towards patient care? If yes, give details.

- NA

6.4.9 Do patients from other states / abroad come for treatment, reflecting the unique quality health care provided by the institution?

- NA

6.5 INTERNAL QUALITY ASSURANCE SYSTEM**6.5.1 Does the institution conduct regular academic and administrative audits? If yes, give details.**

Yes, the institution conducts regular academic and administrative audits. The IGI - Internal Quality Assurance Cell is formed at the group level which monitors the mandatory requirements.

The IQAC cell crosschecks compliance of norms and results:

- Maintaining the level of Quality Education by conducting seminars, workshops, conferences, guest lectures etc.
- Proper necessary documentation
- Provide a sound basis for decision-making to improve institutional functioning
- Promote research activity.

6.5.2 Based on the recommendations of the Academic Audit, what specific follow up measures have been taken by the institution to improve its academic and administrative performance?

❖ **Academics measures**

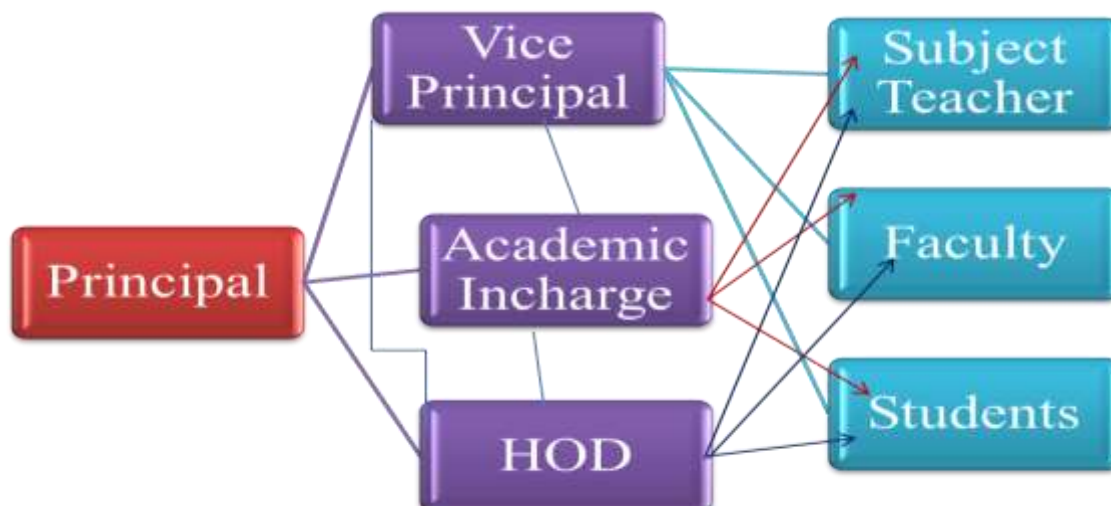
- Various innovative and easy teaching methodologies are accepted
- Increase in numbers of guest lectures, seminars, industrial visits etc.
- Sending the faculty to attend seminars, conferences, guest lecture to increase their knowledge.
- The faculty is being motivated to apply financial assistance from SPPU, UGC for Research projects.
- The faculty is being motivated to increase the numbers of research publications.

❖ **Administrative measures**

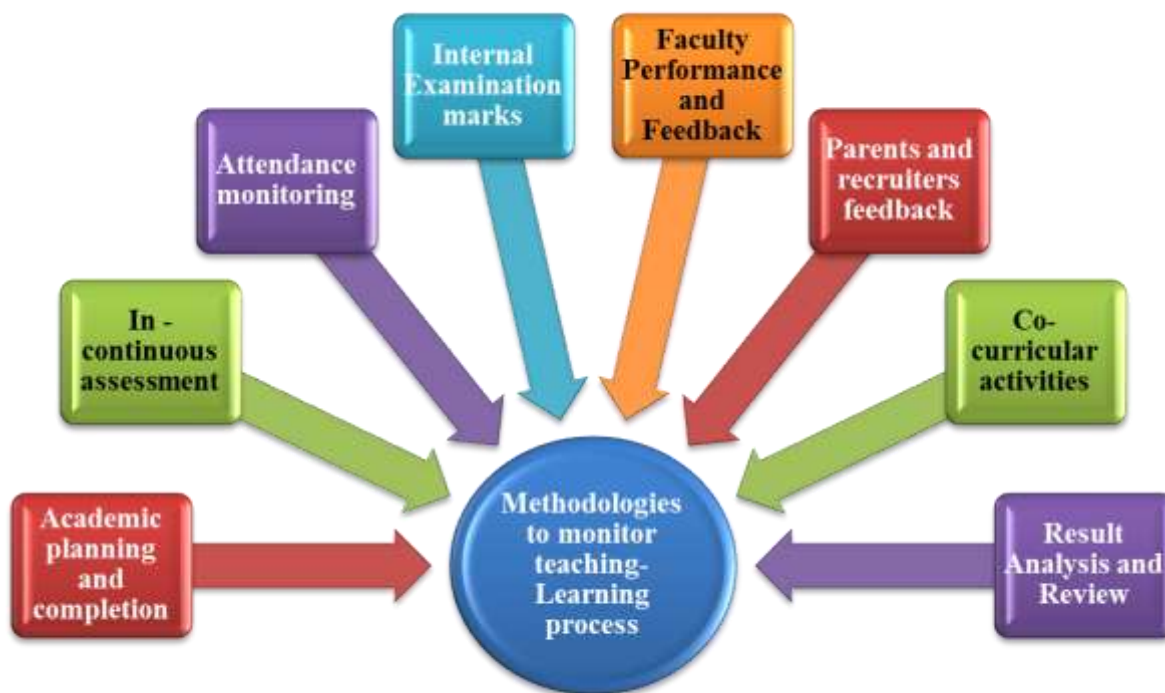
- Documentation is improvised
- Various committees are formed in view of decentralization of work and the records are maintained.
- Internal Communication is improvised

6.5.3 Is there a central unit within the institution to review the teaching-learning process in an ongoing manner? Give details of its structure, methodologies of operations and outcome?

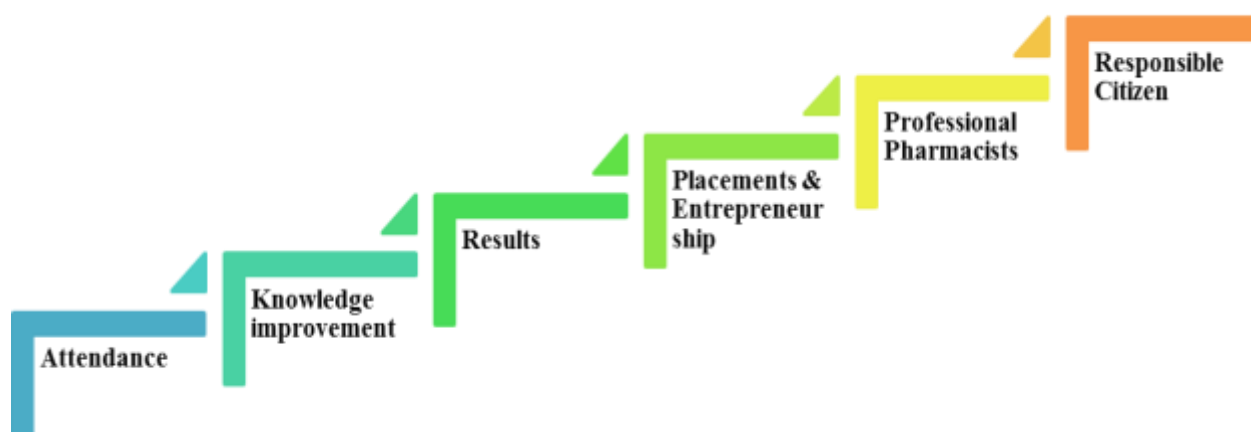
Yes, there is a central Academics Committee, which monitors the day to day academic activities in the institution.



Various methodologies to monitor teaching-learning process



Outcomes based on the academic monitoring



6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

- IQAC has always ensured the availability of desired resources for quality education during IQAC audit, the various challenges associated with teaching learning, Infrastructure, R&D, FDP are discussed. IQAC makes suitable amendments if required in IGI policies to address the issues.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the institution for implementation?

IQAC has placed following decisions before the statutory authorities:

- Purchase of relevant Database for e resources to the Library committee of IGI
- Amendment in the R&D policy of IGI; regarding rewarding the faculty having publication in reputed journal.
- Amendment in the IT policy
- Inclusion of Lien policy

6.5.6 Are external members represented in the IQAC? If so, mention the significant contribution made by such members.

- NO

6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

No, such studies have not been carried out till date by IQAC

6.5.8 Are there effective mechanisms to conduct regular clinical audit of the teaching hospital? Give details.

- NA

6.5.9 Has the institution or hospital been accredited by any other national / international body?

- NA

6.5.10 Does the hospital have institutional and individual insurance schemes to cover indemnity claims?

- NA

Any other information regarding Governance, Leadership and Management which the institution would like to include.

Free education, food and hostel facility is provided to students from drought affected area. PF facility and gratuity facility is made available to the staff. Self-appraisal report submitted by the staff is evaluated. Students' evaluation on teachers is considered. The prospectus contains all the details of the college. Suggestion box suggest suggestion. Workshop and training programs is organized for the teachers.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES**7.1 ENVIRONMENT CONSCIOUSNESS****7.1.1 Does the institution conduct a Green Audit of its campus?**

Yes, the institute has conducted a Green Audit of its campus and facilities. The audit is carried out by Mr. Surendra Patwardhan, Lead Auditor (ISO 9001 Quality Management, ISO 14001-Environment systems, OHSAS 18001-HEALTH & SAFETY).

7.1.2 What are the initiatives taken by the institution to make the campus eco-friendly?**❖ Energy Conservation-**

The Infrastructure provides ample large glass windows for maximizing use of available natural light in the operational areas.

- Classrooms & laboratories are well ventilated.
- Students and staff are educated towards saving of electricity by displaying messages in classrooms and labs for switching off lights, fans & Computers when not required.

❖ Use of renewable energy –

- Solar water heating system of 1000 litres/day capacity is installed in Girls hostel.
- We plan to set up solar PV Plant in terrace area of college building.

❖ Water Harvesting-

Green audit report for water is as follows-

- Sources of Water: Municipal Corporation and Bore well. Softening plant in use for the water sourced from bore well.
- Number of tanks: Underground tank common to campus of capacity 37,500 liters. Overhead tank of capacity 25,000 liters. Total consumption 30,000 liters per day.
- All tanks are cleaned thrice in a year by External agency.
- Waste water management: Sewage Treatment Plant capacity 1,00,000 liters common to campus. 30,000 liters recycled water used for gardening purpose.
- Drinking water testing done 2 times in a year.

- Water Leakage: Regular checking is done, in-house staff available to rectify leakages.
- Number of washrooms : Female- 15 Male-13
- Rain water harvesting potential during monsoon: 733.6 cubic meter or 7,33,600 litres, considering the average rainfall of the region as 700 mm in a year.

❖ **Efforts for carbon neutrality-**

These are the initiatives taken by the college to make the campus eco-friendly and make the students aware of environmental issues

- 40 trees are planted in the campus and outside the campus.
 - ❖ Burning of garbage is not allowed in campus.
 - ❖ Daily cleaning of campus and surrounding area
- Awareness on environment issues and Awareness of carbon footprints through workshop
- Students are made aware about environmental issues.
- Environment Awareness rallies and street plays are organized.
- Environmental tours are arranged.
- Projects on Environment conservation are carried out.
- Global Warming and Plastic Waste Management awareness lectures conducted.
- Swacch Bharat Abhiyan conducted.
- Energy conservation - maximizing the use of natural light.
- NSS activities – students did swacchataabhiyan conducted at Belawade village, Tal- Mulshi. School children were donated one sapling each to plant it and take care of it in order to create the importance of trees and green environment among them.

❖ **Plantation-Botanical or Medicinal significance**

We have a green campus enriched with a variety of trees. The college has planted a lot of medicinal plants in garden imbibes importance of rich heritage of herbs in India which are useful for healthcare. The plants are also useful for research purpose.

Table 7.1.1: List of medicinal plants cultivated in the college campus

Sr. No	Common Name	Biological source	Total no. of Plants
1.	Aal	<i>Caesalpiniasappan</i>	01
2.	AambeHalad	<i>Curcuma amada</i>	01
3.	Agnimanth	<i>Premaintegrifolia</i>	01
4.	All spices	<i>Pimentadioica</i>	01
5.	Anantmul	<i>Tylophoraindica</i>	01
6.	Apta	<i>Bauhinnia</i>	01
7.	Arjun	<i>Terminaliaarjuna</i>	01
8.	Ashok	<i>Saracaindica</i>	01
9.	Ashwagandha	<i>Withaniasomnifera</i>	01
10.	Ashwagandha	<i>Withaniasomnifera</i>	01
11.	Audumbar	<i>Ficusglomerata</i>	01
12.	Bael	<i>Aeglemarmelos</i>	01
13.	Bamboo	<i>Bambusabambos</i>	01
14.	Beheda	<i>Terminaliabelerica</i>	01
15.	Bhendi	<i>Polygonumpersicaria</i>	01
16.	Bhuiamla	<i>Phylanthusniruri</i>	01
17.	Brahmi	<i>Bacopamonerei</i>	01
18.	Citronella	<i>Cymbopogoncitratus</i>	01
19.	Coffee	<i>Coffea arabica</i>	01
20.	Corriander	<i>Corriandrumsativum</i>	01
21.	Dalchini	<i>Cinnamomumzyelenicum</i>	01
22.	Dalchini	<i>Cinnamomumzeylanicum</i>	01
23.	Damwel	<i>Tylophoraindica</i>	01
24.	Danti	<i>Baliospermummontanum</i>	01
25.	Datura	<i>Daturastramonium</i>	01
26.	Dikmeli	<i>Gardenia gummifera</i>	01
27.	EkDandiLasoon	<i>Helminthostachyszeylanica</i>	01

28.	Guggul	<i>Commiphorawightii</i>	01
29.	Gulvel	<i>Tinosporacordifolia</i>	01
30.	GunjLal Kali	<i>Abrusprecatorius</i>	01
31.	Haddijod	<i>Cissusquadrangularis</i>	01
32.	Hadga	<i>Sesbaniagrandiflora</i>	01
33.	Hirda	<i>Terminaliachebula</i>	01
34.	HirvaChafa	<i>Plumeriapudica</i>	01
35.	Insulin	<i>Costusingneus</i>	01
36.	Jaswanda	<i>Hibiscus rosa-sinensis</i>	01
37.	Jayphal	<i>Myristicafragrans</i>	01
38.	Jitsaya	<i>Spermadictyonsuaveolens</i>	01
39.	Jui	<i>Jasminumauriculatum</i>	01
40.	Kadhilimba	<i>Chalcaskoenigii</i>	01
41.	Kailaspati	<i>Couraupitaguienensis</i>	01
42.	Kala Kuda	<i>Wrightiatinctoria</i>	01
43.	Kali Miri	<i>Piper nigrum</i>	01
44.	Kanchan	<i>Bauhinia purpurea</i>	01
45.	Kaner	<i>Neriumodorum</i>	01
46.	KapurTulas	<i>Ocimum sanctum</i>	01
47.	Karanj	<i>Pongamiapinnata</i>	01
48.	Khokli	<i>Acalyphaindica</i>	01
49.	Kolingen	<i>Alpiniagalanga</i>	01
50.	Krushnatulas	<i>Ocimum sanctum</i>	01
51.	Kuchla	<i>Nux vomica</i>	01
52.	Kuda	<i>Holarrhenaantidysenterica</i>	01
53.	Lajalu	<i>Mimosa pudica</i>	01
54.	Lajalu	<i>Mimosa pudica</i>	01
55.	LendiPimpali	<i>Piper longum</i>	01
56.	Lily	<i>Liliumcandidum</i>	01
57.	Limbu	<i>Citrus limon</i>	01
58.	Maka	<i>Eclipta alba</i>	01
59.	Mandar	<i>Calotropisgigantea</i>	01

60.	Mandukparni	<i>Centellaasiatica</i>	01
61.	Mehendi	<i>Lawsonia alba</i>	01
62.	Mint	<i>Menthapiperata</i>	01
63.	Mogra	<i>Jasmiunsambac</i>	01
64.	Mothaweldoda	<i>Elettariacardamomum</i>	01
65.	Mulberry	<i>Moras alba</i>	01
66.	Neem	<i>Azhadirachtaindica</i>	01
67.	NirBhrami	<i>Bacopamonneri</i>	01
68.	Padal	<i>Aegopodiumlatifolium</i>	01
69.	PandhraChapha	<i>Magnolia grandiflora</i>	01
70.	Panphuti	<i>Kalanchoepinnata</i>	01
71.	Parijat	<i>Nycathusarbortristis</i>	01
72.	PashanBhed	<i>Bergenia ligulata</i>	01
73.	Pipal	<i>Ficus religiosa</i>	01
74.	Putranjivi	<i>Putranjivaroxburghii</i>	01
75.	Ramphal	<i>Annona reticulata</i>	01
76.	Rose	<i>Roseussinensis</i>	03
77.	Sabja	<i>Ocimumcannum</i>	01
78.	Sadaphuli	<i>Catharanthusroseus</i>	01
79.	Sagargota	<i>Caesalpinia bonduc</i>	01
80.	Sarpagandha	<i>Rauwolfia serpentina</i>	01
81.	Satap	<i>Rutagraveolens</i>	01
82.	Shatavari	<i>Asparagus racemosus</i>	01
83.	Sita Ashok	<i>Polyanthialongifolia</i>	01
84.	Tagar	<i>Tabernaemontana corolla</i>	01
85.	Tagar	<i>Tabernaemontanadivaricata</i>	01
86.	Tecomacapensis	<i>Tecomocapansis</i>	01
87.	Turmeric	<i>Curcuma longa</i>	01
88.	Vaijantitulas	<i>Ociumtenuiferum</i>	01
89.	VaijayantiTulas	<i>Ociumgratissimum</i>	01
90.	Vasaka	<i>AdathodaVasaka</i>	01
91.	Zendu	<i>Tagetes erecta</i>	10

❖ Bio-hazardous waste management-

Pharmacy involves use of lot of chemicals in practical sessions. Faculty members guide the students for careful use and handling of chemicals in various laboratories. Material safety data sheet (MSDS) or safety displays are available at central stores and in laboratories. Fuming chambers are provided in chemistry laboratory for proper disposal of hazardous fume

❖ E-waste management-

- Non-working computers, monitors and printers are collected at college store and then handed over to central computer store of the campus.
- The E -waste collected at central computer store is disposed by MPCB(Maharashtra Pollution Control Board) approved vendor.
- Old batteries are replaced by buy back scheme with specific vendor.

❖ Effluent treatment and recycling plant

- Students are guided to dilute the reaction mixtures well before they throw it in the drain. A common Sewage treatment plant of 1,00,000 liters capacity is available on campus. About 30,000 liters recycled water is used for gardening.

❖ Solid Waste

- Types - paper, plastic, metals, glass, rubber, books, food waste in canteen and e-waste.
- Paper consumption: Both sides of paper are used.
- Regular activities are monitored digitally and one mails to avoid use of paper
- Garbage: segregated into wet and dry centrally in campus.
- Canteen food waste & plant liter disposed to PCMC.
- E-book system is used.

❖ Air Quality Monitoring

- Pollution under control (PUC)– camp conducted where vehicles of the students were actually checked for PUC.
- PUC certificate is mandatory for the vehicles coming to the campus.
- PUC awareness program arranged for the students.
- VOC / NON VOC based - Water based colors used. No apparent use of VOC based paints.

❖ **Food Services**

- Segregation of wet and dry garbage done.
- Food waste disposed to PCMC.
- Food License and Shop Act license is available with canteen operator. Hygiene training is conducted regularly for the employees of the canteen. Every Sunday deep cleaning of the canteen is carried out. Pest control activity is done quarterly.

❖ **Recognition/certification for environment friendliness**

- The Green audit has been carried out by Mr. Surendra Patwardhan, Lead Auditor (ISO 9001 Quality Management, ISO 14001 - Environment systems, OHSAS 18001-HEALTH & SAFETY).

7.1.3 How does the institution ensure that robust infection control and radiation safety measures are effectively implemented on campus?

❖ **Robust infection control**

- Meticulous cleanliness is maintained, floors and washrooms are sanitized daily. Doors and windows cleaning is performed once every 2 months.
- Students and staff are regularly guided regarding prevention of infectious diseases. Street plays are performed in campus as well as outsiders. Lectures from healthcare professionals are arranged. Pictograms are put up on notice boards. On foundation day every year health and hygiene awareness exhibition is put up. Special care is taken during outbreaks and epidemics

❖ **Radiation safety measures-NA**

7.1.4 Has the institution been audited/accredited by any other agency such as NABL, NABH etc.?

The Institution has not been audited/accredited by any other agency.

7.2 Innovations-

“Innovation is not the result of chance; it’s the result of action. It’s not a thing to wait for; it’s a thing to do.”

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the institution-

The college strives hard to inspire students and staff to share their innovative ideas, be it in the form of studies, learning, academic administration or any other activities of the institute. The main aim of pharmaceutical education is to extend outcome of research to enhance or improve healthcare. Also to adopt the innovations in technology to improve efficiency of working is equally important.

Table 7.2.1: List innovations introduced during the last four years

Innovations	Innovative Ideas	Impact
Innovations in teaching learning	Use of you tube videos demonstrating processes	Better understanding and clarity of processes and operations.
	Competition on case studies	Better understanding on regulations and other concerts.
	Competition on patient counseling	Ensured students understand the role of pharmacists in the healthcare in better way.
	Hands on training to interested students	Enhanced industry-students interaction and better exposure of the students to actual industrial work that has helped them in their placements.
	Certification Programs	Skill development.
	Lectures from Entrepreneurs	Many students started on their own
	workshops on communication skills and soft skills	Personality development of students.
	Yoga and Fitness, life skills Sessions	Holistic Development
Innovations in Research	Establishment of Intellectual Property Rights Cell	4 patents and 1 copy right filed by college. Students encouraged to take up projects having patentability and commerciality

	Paper Presentation Competition	Oriented students to basic as well as advanced research.
	Indira pharma zeal for 9 years	Opportunity for students to present their ideas and work which has motivated many students to take up research after graduation
Innovations in Governance	Online Feedback System	Curriculum monitoring
	Quick Communication via what's app groups of classes	Improved Networking and better outreach of information and notices
	Indira college of pharmacy Facebook page	Better networks with alumni and community.
	Special leaves for faculties registered for Ph.D.	Facilitated research work of faculty and enhanced interaction with outside professional world
	Unique R & D Policy of sharing remuneration with faculty in 40: 60 ratio	Faculty satisfaction and motivation to fetch more projects from industry
	Lien Policy	Retention of Faculty
Innovations in community outreach	Street plays for disease awareness	Students understand their social responsibility.
	Programs for women	Better health, Personal and social competence. Awareness about rights and responsibilities

7.3 Best Practices

Following are the best practices adopted by the institute which have been contributing to better academic and administrative functioning

- Freedom to operate for faculty
- Holistic development of the students
- Feedback from the stakeholders
- Involvement of undergraduate students in research
- Awards and rewards for students and researchers
- On campus recruitment of students
- Quality enhancement through IQAC
- Mentorship program

Best Practice -1

Title of the practice : Freedom to operate

Objectives:

Our institute believes in giving special leave facilities and opportunities to our faculty members so as to improve their skills and knowledge as well as their retention. This is achieved through number of ways

1. To give freedom to the faculty members to work on their ideas in order to bring out their best
2. To encourage the faculty members to interact with the outside world to get updated in terms of knowledge and expertise
3. To arrange for industrial visits and training programs for the faculty members under the head of “**train the trainer**”
4. To encourage the faculty members to pursue research and acquire additional qualifications or take up special assignments by offering them special leaves
5. To inculcate the sense of belonging towards the institute which would improve professional contribution from them
6. To enhance faculty retention and reduce the attrition rate which in long run helps the growth of the institute

Context:

Our institute believes in the philosophy of freedom to operate which means that the faculty members here are given the flexibility and the leniency to work on their terms, experiment on their ideas which help them nurture the creativity and brings out best in them. Pharmaceutical field is highly dynamic and ever growing. Every day some new

developments, innovations occur in this field and hence it is very important to keep oneself really abreast with whatever is happening in and around pharma technology. Faculty members are therefore given the liberty to go out during work hours (without affecting their academic schedule) to meet the key resources from the academia as well as industry to seek opportunities of collaborative projects or to gain advanced knowledge in particular subject matter. Our institute strongly believes in the fundamental of” **train the trainer**” because only if the trainer is knowledgeable and skilled, he or she can enlighten the students. Hence the industrial visits and trainings are arranged for the faculty wherein they can update their knowledge and learn latest techniques. Lien facility is given to them for working in corporate set up or in specialty field or to get additional qualification. They are also allowed to apply for lien for personal reasons. During this period, additional staff is recruited in the concerned department to maintain equitable load of academics and to avoid any inconvenience to the students. Faculty members are given special leave for undertaking specific assignments. Those who are pursuing PhD are also given the facility of taking leave for completion of research work &/or compilation of thesis.

Practice:

The institute has crafted policies wherein criteria for application and maximum leave granted is well defined.

Table 7.3.1: Leave policy of the institute

Sr. No.	Type of leave	Reason for leave	Criteria	Maximum no. of years/ days
1.	Lien	Higher education/ training/ personal reason	Full time regular faculty who has completed 2 years of continuous service	1.5 years
2.	Ph.D.	Persuasion of research	Full time regular faculty who has completed 2 years of continuous service	15 days
3.	Special leave	Research at reputed institute or special assignment abroad	Faculty who has completed 3 years of continuous service	10 days
4.	On duty	To attend seminar/ conference/ training	All the faculty members	2 days

Evidence of success:**1. Lien**

- ❖ Prof. Prerana Dongre was offered lien in the year 2012-13 for 1.5 years during which she worked with R.K. Diwan & company. Here she was extensively trained in patent filing, drafting, handling issues of patent infringement and litigations. During this period she also cleared patent agent exam organized by Indian Patent Office. With the help of the additional qualification and knowledge she has acquired in the field of intellectual property rights (IPR), college has started Indira IPR cell to promote the filing of patents on the innovative research work in the field of pharmacy. Indira IPR cell has so far filed 4 patents based on the research work of post graduate students and faculty members and also applied for the copyright of a visual aid penned by one of the faculty members.
- ❖ Prof. Vishakha Hastak, one of the most senior faculty members of our institute, who has about 14years of graduate and post-graduate teaching experience, was given a lien of 8 months each in the years 2014-2015 and 2016-2017 for personal problems. Institute thus retains the experienced and deserving faculty members by allowing them to avail lien facility.

2. Ph. D. leave

- ❖ Prof. Archana Karnik is currently pursuing her PhD in Pharmaceutical analysis. She needed to conduct LC-MS MS studies at IIT, Powai, Mumbai and also learn the interpretation of the same as a part of her research work. She was allotted the PhD leave for this purpose. The knowledge she has acquired in this subject matter would be highly beneficial to the graduate and post graduate students and to the colleagues equally alike.

3. Special Leave

- ❖ Dr. Madhur Kulkarni was invited as a team member of cardiac surgery camp by Health Ministry of Fiji. She was given the special leave of 10 days in February 2016. She worked as a clinical pharmacist in Fiji during the tenure of this leave and has gained knowledge of the medicines, surgicals and disposables that are required during cardiac surgery. This value addition in her profile would be useful for the Pharm D. course that has been initiated in our institute from 2016-2017.

4. On duty Leave

- ❖ All the faculty members are allowed to avail the facility of 'On duty' leave for attending pertinent conferences, workshops or seminars in and out of Pune.

College also arranges for their training in industry and university departments. In August 2015, Dr. R.G. Katedeshmukh, Dr. Madhur Kulkarni and Prof. Vishakha Hastak were sent to ACG Technologies Ltd., Shirwal for understanding the manufacturing and functioning of large scale and lab scale fluid bed processors, Wurster coaters, tablet coating machines. In October 2015, Prof. Archana Karnik, Prof. Sunil Kakad and Prof. Mauli Shah were sent to J.B. Chemicals Pvt. Ltd. to get an insight into manufacturing of bulk drugs by green chemistry approach. Prof. Manasi Wagdarikar and Prof. Archana Karnik in June 2015 attended an ISTE approved week long training program on Analytical instrumentation during which they got hands on training of specialty instruments like LC-MS MS, GC-MS, NMR, PXRD. Such programs facilitate the faculty to update their subject knowledge as well as to get better ideas and inputs to improve their quality of research and teaching. Such on duty excursions give them the opportunity to interact with faculty members of other institutes and resource persons from industry. Overall enhancement in the scientific knowledge enriches them as a teacher and helps them transcend it to the students who ultimately get most benefitted.

Best Practice -2**Title of the practice: Holistic development of the students****Objectives**

Our institute strives not only to cultivate our students into true professionals but also as responsible citizens who would serve the community by virtue of their profession and also by their conscious and sensible behavior. Our aim is that they can present themselves very well in the professional as well as social milieu.

We strongly believe in their overall development with emphasis on scholastic as well as co-curricular activities like sports, music and performing arts, oratories and debate and writing. We try to groom them in various ways like

- To improve practical knowledge and technical skills
- To provide hands on training of instruments and equipment
- To arrange for industrial visits in order for them to understand various aspects of large scale pharma manufacturing, packaging, quality control, regulatory guidelines
- To give them small research projects so as to induce research acumen at undergraduate level
- To involve post graduate students in the collaborative research projects
- To encourage post graduate students to do a part of research work in the reputed industry
- To encourage them to present the research work or review in conferences
- To arrange for workshops and certification programs within the college premises which would train them in specialized fields like IPR, CGMP, Documentation and enhance their readiness for the industry
- To inculcate soft skills, manners, etiquettes by arranging for workshops by professional soft skill trainers.
- To arrange for the mock interviews wherein they learn how to present themselves during interviews.
- To involve them in community health service and social services
- To sensitize them towards environmental issues
- To encourage them to participate in inter- collegiate, district level, state level sports, debate, quiz, performing arts competitions
- To create health awareness in them

Practice-**➤ Practical skills and technical competence**

We try to provide continuous comprehensive education to our students not only with the help of our competent faculty but also in conjunction with other institutes. This has helped them to gain additional technical skills and competence. 2nd Year B. Pharm students performed the practical of DNA isolation, quantification and m-RNA separation by gel electrophoresis at Microbiology department of Fergusson College in November 2016. Post graduate students were given a demonstration of Minitab software in Jan 2016 as a part of specialized learning in the subject of QBD.

➤ Industrial visits

Undergraduate and post-graduate students based on their curricular subjects visit reputed industries like Serum Institute of India, Loreal India Pvt. Ltd., Nulife Pharmaceuticals Pvt. Ltd., Associated capsules Ltd where they see large scale manufacturing of parenterals, cosmetics, solid dosage forms, and capsule shells respectively. Live demonstration of manufacturing operations helps them clearly understand the concepts that they learn in theory. In October 2015, post graduate students as well as advanced learners from undergraduate program were taken to the industrial tour to Goa during which they visited four manufacturing plants viz. Glenmark Pharmaceuticals Pvt. Ltd, Indoco Remedies Pvt. Ltd., Blue Cross Pharmaceuticals Pvt. Ltd and Unichem Labs Pvt. Ltd. This entire tour enlightened them on various aspects of all the dosage forms production in addition to which they also observed the QA-QC operations and understood the concepts of CGMP in US FDA approved plant of Glenmark.

➤ Graduate and post graduate research

Undergraduate research work was a part of curriculum until 2014-15 wherein students were supposed to do review or take up a small research project in a pertinent subject. Our institute has always insisted them on pursuing research work rather than doing a review in order to evoke their interest in research. As a result of this, many of our undergraduate students have taken up post-graduation to pursue the research further. They have also presented their research work at various indoor and outdoor conferences like Pharma zeal and IPC. One of the

students, Prashant Jadav continued his undergraduate research project during the post graduate tenure and also filed a provisional patent on it.

Post graduate students are encouraged to do their research projects in industry so they get an understanding of the functioning of the industry. Such an endeavor surely increases their chances of getting employed after post-graduation. Anup Mahapurkar who pursued his post graduate research in Alkem Pvt.Ltd. got placed in formulation development department of the same company.

Table 7.3.2: No. of Post –graduate students who have completed their research work and training in the industry

Sr. No	Academic year	No. of students	Company
1	2013-14	3	Cadila Healthcare Pvt. Ltd
2	2014-15	5	Cadila Healthcare Pvt Ltd(3) Alkem Pvt. Ltd (1)
3	2015-16	1	Loreal India Pvt.Ltd.
4	2016-17	2	Loreal India Pvt.Ltd.

Organization of workshops and certificate programs at the institute- In order for the students to find better acceptance in the industry, they need to have an edge over their competitors in terms of knowledge and skill sets. To enhance their chances of employability, students are offered various certificate or training programs on subjects like IPR, documentation, cGMP guidelines which are practiced regularly by the industry.

We also involve students to work on collaborative research projects where the research proposal crafted by the faculty member is worked upon in the industry. The student works partly in industry and partly at institute to complete the project. One of the students is working on such a project proposed by Dr.Madhur Kulkarni at Gansons Pvt. Ltd. Mumbai. In this project she is getting hands on training of operating fluid bed processor which is currently not available at the institute.

➤ **Soft skill training and mock interviews**

We believe that apart from professional skills our students should learn soft skills which are very crucial for their overall personality building. In order to

imbibe the mannerisms, social etiquettes and presentation skills, institute has imparted training program to all the graduate and post graduate students by inviting professional soft skill trainers like Ms. Sangeeta Deshpande, Ms. Deepti Panhalkar and Mr. Rohinton Cooper. Mock interview sessions also were also arranged for final year graduate students during which Mrs. Manjiri Joshi highlighted their weaknesses and short falls and explained them the tactics of cracking the interviews. All these efforts have surely helped the students fetch placements in various elite companies like Tata consultancy services, Cognizant, Novartis, Abbott, Zyphers healthcare etc.

➤ **Social activities**

It is our honest intention to develop our students as socially responsible professionals. We therefore sensitize them to participate in social activities like creating awareness of epidemics like dengue, H1N1, chikungunya in the community. For this, our students have themselves composed the street plays and songs and performed these at various busy localities to make the laymen aware of symptoms, precautions, preventive measures and treatments of such infections. These campaigns were so effective that Pune municipal corporation (PMC) has appreciated our efforts of providing such services to the community. PMC arranges programs of our students in needy areas. Our students also take active part in pulse polio campaign every year where they go from house to house to administer the dose of vaccine to small children. This initiative is also done in collaboration with Pimpri -Chinchwad Municipal Corporation (PCMC). The students have also participated in plastic free India drive which has made them conscious of the environmental issues and measures to conserve clean green earth. In Feb 2016, students were taken for the NSS camp at Belawade village in Mulashi taluka where they stayed for 7 days and offered social service to the villagers in the form of street plays creating awareness on health and hygiene, cleaning of the public school, tree plantation, and health checkup of villagers. They even cooked their own meals during this camp. All these activities have made them conscious of their responsibilities towards society and community as a whole. Such camps also teach them the virtues of self-reliance and self-dependence.

➤ **Co-curricular and Extra-curricular development**

One of the most important aspects of personality building is encouraging the students to participate in co-curricular and extra-curricular activities whereby their talent and creativity comes in lime light. Such activities instill enthusiasm, confidence and sportsman spirit into the students which are very crucial for their overall success and progress in life. Our students have won debate competitions, essay writing competitions conducted during national Pharmacy week. Our students have secured fourth position in all India quiz competition jointly organized by S.K.B. College of Pharmacy Nagpur and Alembic Pharmaceuticals in Feb.2017. Our students regularly participate in team events like football, basketball, dance, drama which also teaches them to work in a group and take every one along. Our students also participate in individual events like badminton, chess, quiz at college, district and even state level competitions. In November 2016, our students won prizes in various events like badminton, chess, football organized by Pune IPA branch at district level and they also won the overall runner up trophy of the entire event.

➤ **Health awareness**

Good health is a key to happy and successful life. We at our institute try to inculcate good food and exercise habits in our students so that they lead healthy and prosperous life. We arranged for an enlightening session of a famous nutritionist Dr. Seema Sonis who gave advice on balanced nutrition. A session highlighting importance of yoga was delivered by Dr. Nitin Unkule. Dr. Shona Nag, an oncologist delivered an excellent session to all the female students and staff wherein she explained the signs and symptoms of breast cancer and treatment aspects. Our students also actively participate in creating health awareness by putting up exhibitions displaying the tips regarding rational use of medicines and maintenance of healthy life as well as by organizing rallies for community.

EVALUATIVE REPORT OF THE DEPARTMENT-UNDERGRADUATE (UG)**1 Name of the Department- Undergraduate UG****2 Year of establishment- 2006**

Sr. No.	Course	Year of Establishment (Academic Year)
1.	B. Pharm.	2006- 2007
2.	Pharm. D.	2016-17

3 Is the Department part of a college/Faculty of the university?

B. Pharm. and Pharm. D. programs are part of Indira College of Pharmacy affiliated to Savitribai Phule Pune University.

4 Names of programs offered (UG, PG, Pharm. D., Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

Sr. No.	Name of Course	Sanctioned Intake (Year wise)					Actual Admitted (Year wise)				
		1 st	2 nd	3 rd	4 th	Total	1 st	2 nd	3 rd	4 th	Total
1.	B. Pharm.	60	60	60	60	276	60	65	54	62	259
		+09	+09	+09	+09		+ 06	+ 05	+ 02	+04	

Sr. No.	Name of Course	Sanctioned Intake (Year wise)							Actual Admitted (Year wise)						
		1 st	2 nd	3 rd	4 th	5 th	6 th	Total	1 st	2 nd	3 rd	4 th	5 th	6 th	Total
1.	Pharm. D.	30	-	-	-	-	-	30	27	-	-	-	-	-	27

5 Interdisciplinary programs and departments involved :

B. Pharm. and Pharm. D. programs involves following four sub departments:

Department of Pharmaceutics

Pharmaceutics is the discipline of pharmacy that deals with all facets of the process of converting a new chemical entity (NCE) into a Dosage forms like Tablets, Capsules, Oral Liquids, Ointments, Injectable, Aerosols, Transdermal Patches etc. that can be safely and effectively used in the clinical practice. Pharmaceutics is the science of

dosage form design on the basis of physicochemical properties, rate and extent of absorption of drugs and route of administration. Dosage form designing is followed by industrial scale manufacturing, quality control, packaging and dispensing of the product. Pharmaceutics also includes study and formulation of cosmetics & Cosmeceuticals, like face powders, cold creams, sunscreen lotions, tooth-pastes, nail-polish, lip-sticks, eye shadows, shampoos, hair dyes etc. and nutritional supplements like vitamins, calcium and iron supplements. The department of Pharmaceutics has well equipped laboratories where students are trained in the various formulation development techniques and related quality control aspects. In the Industrial Pharmacy Laboratory pilot scale manufacturing and various industry sponsored projects of formulation development are being carried out.

Industry Sponsored Projects:

- 1) Formulation Development of anticancer drug for preclinical studies' sponsored by V. Life Science, Pune.
- 2) Formulation Development and Stability Studies of Veterinary Calcium Feed Supplement as Oral Liquid and Tablets' sponsored by Adison Laboratories, Pune.

Research Grants Received: Total Amount : 8 Lakhs

1. Received Research grant of Rs.2,00,000/- (Rs. Two Lakhs) from University of Pune for the project entitled 'Effect of Alcoholic Beverages on Drug Release Pattern of Sustained Release Dosage forms'.
2. Received Research grant of Rs.2,00,000/- (Rs. Two Lakhs) from University of Pune for the project entitled 'Formulation of herbal anti-dandruff gel'.
3. Received Research grant of Rs.2,00,000/- (Rs. Two Lakhs) from University of Pune for the project entitled 'Enhancement of solubility of Etodolac by using various approaches'.
4. Received Research grant of Rs.2,00,000/- (Rs. Two Lakhs) from University of Pune for the project entitled 'Effect of solubility of drug excipients on drug release from Chitosan matrix'.

Department of Pharmaceutical Chemistry & Quality Assurance

Pharmaceutical Chemistry & Quality Assurance laboratories are meant to inculcate the chemical & analytical aspects of drug molecules starting from basic organic chemistry to drug design, synthesis of new drugs and analysis of drug molecules in formulation. At the under graduate level total nine subjects are studied in a systematic manner including, basic and advances in organic and inorganic chemistry, chain reaction of drugs, structure

activity relationships (SAR), synthesis of drugs & drug intermediates and excipients on lab scale and analysis of drugs.

Students are trained to determine the extent of purity of raw materials and drugs in pharmaceutical dosage forms using highly sophisticated instruments. As well as they are trained in various analytical techniques and validation and documentation procedures as per the regulatory norms. In this way skill development of student is facilitated so that they can efficiently exert duties responsibly in Research and Development, Quality Assurance and Quality Control department of Pharmaceutical Industry.

Industry Sponsored Projects

Analytical method development for an anti HIV drug molecule sponsored by A. J. Organica Ltd. Pune.

Grants received: Total Amount: 2.8 Lakhs

Received a research grant of Rs. 2, 80,000 /- (Two lakhs eighty thousand) from University of Pune for the project entitled "To perform media optimization, production, characterization and purification of therapeutic enzyme and to develop and validate analytical techniques for qualitative and quantitative estimation of the same in crude form and in formulation".

Department of Pharmacology

Pharmacology is the study of drugs - how do drugs act and what are their unwanted effects. In the department of pharmacology, various experiments are carried out to study the effects of different drug categories, providing training to students in fundamentals of anatomy, physiology, health education, experimental, clinical pharmacology and therapeutics. The pharmacology and physiology laboratories are well equipped with facilities for research in areas like neuropharmacology, cardiovascular, antihyperlipidemic, antiasthmatic studies, anti-inflammatory etc. The department is actively involved in the research projects and the research papers are published in the National and International journals of repute.

Department of Pharmacology has well equipped 'Animal House' registered under CPCSEA, New Delhi.

Research Grants Received :Total Amount : 4.2 Lakhs

1. Research grant of Rs. 2,00,000/- (Rs. Two lakhs) from University of Pune for the project entitled "Neuropharmacological study of different parts of *Passiflora incarnata*."

2. Research grant Rs. 2.2 lakhs from Savitribai Phule Pune University for “ *Evaluation of Anti- Asthamatic activity of some Indian medicinal plants* ”.

Department of Pharmacognosy

Pharmacognosy deals with medicines derived from natural sources and it involves the study of the physical, chemical, biochemical and biological properties of molecules of natural origin, obtained from plants, animals, minerals and marine sources so as to ascertain their potential as lead drug molecules. Pharmacognosy is interdisciplinary branch involving a broad spectrum of biological and socio-scientific topics, including botany, ethno botany, marine biology, herbal medicine, phytochemistry, plant biotechnology - tissue culture, production of secondary metabolites and development of herbal formulations. WHO has estimated that majority of all the global inhabitants depend on curative natural systems of medicine for their primary health needs and these systems are largely of traditional origin. The department of Pharmacognosy focuses on research based on evaluation of medicinal plants including isolation, purification, identification and structural elucidation of bioactive molecules and development & standardization of herbal formulations.

Research Grants Received: Total Amount : 10.5 Lakhs

1. Received Research grant of Rs. 2,00,000/- (Rs. Two lakhs) from University of Pune for "Preparation and evaluation of a novel wound healing formulation using extract of *Kalanchoe pinnata*, *Curcuma longa* and honey."
2. Research grant of Rs. 3,00,000/- (Rs. Three lakhs) from University of Pune for "Investigation of Indian Medicinal plants for evaluation of Adaptogenic & Antihyperlipidemic activity."
3. Research grant of Rs. 2,00,000/- (Rs. Two lakhs) from University of Pune for "Development and Pharmacological investigation of Nasal Herbal Formulation."
4. Research grant of Rs. 1,70,000/- from Savitribai Phule Pune University for research project titled “ Development and standardization of lozenges and jellies from traditional churnas and chatans”.
5. Research grant of Rs.1,80,000/- Savitribai Phule Pune University for project titled” Development and standardization of herbopathic formulations”.

Department of pharmacy practice

In developing and industrialized countries alike, efforts to provide health care, including

Pharmaceutical care, are facing new challenges. Pharmaceutical care is the responsible provision of drug therapy for the purpose of achieving definite outcomes that improve a patient's quality of life. This department trains pharmacist in patient-centered professional practice, and patient and population-oriented research through patient-centered care with all the cognitive functions of counselling, providing drug information and monitoring drug therapy, as well as technical aspects of pharmaceutical services, including medicines supply management. It is in the additional role of managing drug therapy that pharmacists can now make a vital contribution to patient care.

6 Courses in collaboration with other universities, industries, foreign institutions, etc.

We don't have Courses in collaboration with other universities and foreign institutions.

Currently, Shree Chanakya Education Society, our parent body has signed MOU with "Our Lady Fatima" University, Phillipines for faculty exchange, students exchange and collaborative research in Feb 2017.

We have conducted following certificate courses in collaboration with Industries:

Sr. No.	Name of the Industry	Course
1.	Amicon Rx Pvt Ltd	Workshop on mastering Quality Assurance Documents
2.	ACG Technologies Pvt Ltd	Workshop on fluid bed granulator, wurster coating and tablet coating technologies of oral solid dosage forms
3.	Institute of Pharmaceutical Education and Research IPER	Pharma Marketing Art, Science and Profession

From May 2017, we will be offering following courses in collaboration with industries:

Sr. No.	Name of the faculty	Course
1.	Sciformics corporation	Pharmacovigilance(PV) school
2.	Pollux Pharma Solutions(affiliated partner of Life Science Sector Skill Development Council LSSSDC)	Skill development course for the role of- Quality Control Chemist, Quality Assurance Chemist, Manufacturing Chemist, Medical Sales Representative

7 Details of programs discontinued, if any, with reasons :

➤ Nil

8 Examination System: Annual/Semester/Trimester/Choice Based Credit System

Sr. No.	Name of Course	Examination System
1.	B. Pharm.	Semester- Credit and Grading Based Semester System
2.	Pharm. D.	Annual Pattern

9 Participation of the department in the courses offered by other departments

B. Pharm. and Pharm. D. programs of the Institute can be sub divided into Five major departments-

- Pharmaceutics
- Pharmaceutical Chemistry
- Pharmacology
- Pharmacognosy
- Pharmacy Practice

All departments are interlinked.

10 Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**UG- B. Pharm**

Sr. No.	Posts	Sanctioned	Filled	Actual (including CAS & MPS)
1	Professor	02	03	03
2	Associate Professor/Reader	04	02	02
3	Assistant Professor	11	11	11
4	Lecturer	NIL	NIL	NIL
5	Tutor / Clinical Instructor	NA	NA	NA
6	Senior Resident	NA	NA	NA

UG- Pharm. D.

Sr. No.	Posts	Sanctioned	Filled	Actual (including
				CAS & MPS)
1	Assistant Professor	02	02	02

11 Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance
UG- B. Pharm

Sr. No.	Name	Qualification			Designation	Specialization	No. of Years of Experience
		B. Pharm.	M. Pharm.	Ph. D			
1.	Dr. (Mrs.) Anagha Joshi	B. Pharm.	M. Pharm.	Ph. D	Principal & Professor	Pharmaceutical Chemistry	22 Years
2.	Dr. Dayanand Kannur	B. Pharm.	M. Pharm.	Ph. D	Vice Principal & Asso. Prof.	Pharmacognosy	14 Years
3.	Dr. Mahesh Ghaisas	B. Pharm.	M. Pharm.	Ph. D	Professor	Pharmacology	20 Years
4.	Dr. Ramesh Katedeshmukh	B. Pharm.	M. Pharm.	Ph. D	Professor	Pharmaceutics	37 Years
5.	Dr. Mrs. Suvarna Ingale	B. Pharm.	M. Pharm.	Ph. D	Associate Professor	Pharmacology	15 Years
6.	Mr. Subhash Kumbhar	B. Pharm.	M. Pharm.	Pursuing	Assistant Professor	Pharmacology	11 Years
7.	Mrs. Vishakha Hastak	B. Pharm.	M. Pharm.	-	Assistant Professor	Pharmaceutics	15 Years
8.	Mr. Yogesh Pawar	B. Pharm.	M. Pharm.	Pursuing	Assistant Professor	Pharmaceutics	10 Years
9.	Mrs. Manasi Wagdarikar	B. Pharm.	M. Pharm.	Pursuing	Assistant Professor	Pharmaceutical Chemistry	08 Years
10.	Mrs. Prerana Dongre	B. Pharm.	M. Pharm.	Pursuing	Assistant Professor	Pharmacognosy	08 Years
11.	Mr. Amir Shaikh	B. Pharm.	M. Pharm.	Pursuing	Assistant Professor	Pharmaceutics	08 Years
12.	Mrs. Rutuja Sonawane	B. Pharm.	M. Pharm.	-	Assistant Professor	Pharmaceutical Chemistry	04 Years
13.	Mrs. Archana Karnik	B. Pharm.	M. Pharm.	Pursuing	Assistant Professor	Pharmaceutical Chemistry	12 Years
14.	Mr. Sunil Kakad	B. Pharm.	M. Pharm.	-	Assistant Professor	Pharmaceutical Chemistry	08 Years
15.	Mr. Shriniwas Patil	B. Pharm.	M. Pharm.	-	Assistant Professor	Pharmacognosy	03 Years

16.	Ms. Tejaswini Kakade	B. Pharm.	M. Pharm.	-	Assistant Professor	Pharmaceutics	02 Years
17.	Mrs. Amruta Walvekar	B. Pharm.	M. Pharm.	-	Assistant Professor	Pharmaceutical Chemistry	03 Years
18.	Mrs. Pranita Shankaratti	B. Pharm.	M. Pharm.	-	Assistant Professor	Pharmaceutical Chemistry	1.4 Years
19.	Mrs. Pallavi Chouhan	B. Pharm.	M. Pharm.	-	Assistant Professor	Pharmaceutical Quality Assurance	01 ear

UG- Pharm. D.

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Dr. (Mrs.) Anagha Joshi	Ph. D, M. Pharm.	Principal & Professor	Pharmaceutical Chemistry	22 Years
2	Dr. Mrs. Suvarna Ingale	Ph. D, M. Pharm.	HOD- Pharrn .D & Associate Professor	Pharmacology	15 Years
3	Dr. Beena Annie Sam	Pharm. D.	Assistant Professor	Pharmacy Practice	1.5 Year
4	Dr. Shraddha Devarshi	Pharm. D.	Assistant Professor	Pharmacy Practice	1.5 Year

12 List of senior Visiting Fellows, adjunct faculty, emeritus professors :

- **B. Pharm:** We have appointed following Visiting faculty for B. Pharm course.

No.	Name of the faculty	Department
1.	Prof. Vilas Bendre Product Specialist, Lab India	Pharmaceutical Chemistry
2.	Prof. Deepa Warriar Regulatory Toxicologist, Auxilife Sciences	Pharmaceutics

- **Pharm D.:** We have one visiting faculty for remedial mathematics

No.	Name of the faculty	Department
3.	Prof Shantil Ghalme Assistant Professor, Indira College of Commerce and Science	Mathematics

13 Percentage of classes taken by temporary faculty – program-wise information

- We have all full time regular faculties for B. Pharm and Pharm D. program

14 Program-wise Student Teacher Ratio

- B. Pharm. : 1:14 (259/18)
 ➤ Pharm. D. : 1:13.5 (027/02)

15 Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**B. Pharm**

Sr. No.	Posts	Sanctioned/ Required	Filled	Actual (including
				CAS & MPS)
1	Office Superintendent	01	01	01
2	Assistant Librarian	01	01	01
3	Accounts Assistant	01	01	01
4	Jr. Clerk	01	01	01
5	Lab Assistants	03	03	03
6	Lab Attendants	04	04	04
7	Gym Instructor	01	01	01
8	Driver	01	01	01
9	Peons	02	02	02
Total		17	17	17

Pharm D.

Sr. No.	Posts	Sanctioned	Filled	Actual (including
				CAS & MPS)
1	Exam. Coordinator	01	01	01
2	Lab Assistants	01	01	01
3	Lab Attendants	01	01	01
4	Peon	01	01	01
Total		04	04	04

16 Research thrust areas as recognized by major funding agencies

ICP faculty has received research grants from BCUD, SPPU Pune based on following thrust areas

- Formulation Development
- Development of Analytical methods
- Development and standardization of Herbal medicines
- Pharmacological studies
- Preformulation studies

Pharm D course mainly focus on following thrust areas

- Pharmacovigilance
- Pharmacoepidemiology & Pharmaeconomics
- Clinical Pharmacy
- Clinical Toxicology
- Pharmacokinetics

17 Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

The ICP faculty has received grants from BCUD, SPPU Pune to the tune of total Rs. 26 lakhs. The Ongoing Projects are as follows

Sr. No.	Name of the faculty member	Title of The Project	Funding Agency	Amount (Rs.)	Status
1.	Dr. Suvarna P. Ingale	Evaluation of anti-asthmatic activity of some Indian medicinal plants	Board of College & University Development, Savitribai Phule Pune University, Ganeshkhind, Pune	Rs. 2,20,000/-	Ongoing
2.	Mrs. Prerana P. Dongre	Development and standardization of herbopathic Formulations		Rs. 1,60,000/-	Ongoing
3.	Dr. Dayanand Kannur	Development and standardization of		Rs. 1,40,000/-	Ongoing

		digestive and expectorant dosage forms based on Ayurvedic Churnaand Chattan			
4.	Dr.(Mrs.) Anagha Joshi	An analytical method development for analyzing release and permeation profile of a drug when co-administered with medicated wines containing one or more ingredients of Trikatu.		Rs. 1,40,000/-	Ongoing
Total grants				Rs. 6,60,000/-	

18 Inter-institutional collaborative projects and associated grants received

a) National collaboration: Industry sponsored projects

Sr. No.	Name of the faculty member	Title of The Project	Funding Agency	Amount (Rs.)	Status
1.	Dr. Anagha Joshi, Mrs. Manasi Wagdarikar	Development of analytical method for herbal drugs	A J Organica Pvt. Ltd	Rs. 1,40,000/-	On- Going
2.	Dr. Anagha Joshi, Dr. R.G. Katedeshmukh	Development of veterinary formulations	Adesean Laboratories Pvt. Ltd	Rs. 30,000/-	Completed
3.	Dr. Anagha Joshi, Dr. Abhijeet Gothoskar	Development of formulations for preclinical studies	V life Ltd.	Rs. 1,00,000/-	Completed

b) International collaboration

➤ NIL

19 Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

➤ **NIL**

20 Research facility / Centre with

➤ **State recognition : NIL**

➤ **National recognition : NIL**

➤ **International recognition : NIL**

21 Special research laboratories sponsored by / created by industry or corporate bodies

➤ **NIL**

22 Publications:

Sr. No	Name of faculty	Number of papers published in peer reviewed journals		Chapters in Books	Books edited	Books with ISBN with details of publishers	* Citation Index – range / average	* h-index
		N	I					
1	Dr. (Mrs.) Anagha Joshi	4	9	0	0	2	71	2
2	Dr. Dayanand Kannur	1	13	1	0	0	222	5
3	Dr. Mahesh Ghaisas	13	37	0	0	0	341	11
4	Dr. Ramesh Katedeshmukh	0	18	1	0	0	58	4
5	Dr. Mrs. Suvarna Ingale	4	22	0	0	2	53	3

6	Dr. Madhur Kulkarni	4	3	0	1	0	61	3
7	Mr. Subhash Kumbhar	0	12	0	0	0	43	5
8	Mr. Yogesh Pawar	0	11	4	0	1	43	5
9	Mrs. Manasi Wagdarikar	2	4	0	0	0	4	1
10	Mrs. Prerana Dongre	0	2	0	0	0	21	3
11	Mr. Amir Shaikh	0	11	4	0	2	43	5
12	Mrs. Archana Karnik	0	7	0	0	0	14	2
13	Mr. Sunil Kakad	0	1	0	0	0	22	1
14	Mr. Shriniwas Patil	0	1	0	0	0		
15	Ms. Tejaswini Kakade	1	8	0	0	0	9	2
16	Dr. Shraddha Devarshi	0	3	0	0	0	0	0

23 Details of patents and income generated

Sr. No.	Type of IPR	Name of the Inventor / Applicant/ Author	Date of Filing Application No.	Title	Legal Status
1.	Patent	Dr. Anagha Joshi,	664/MUM/2015 25 th February, 2014	A novel Disolution medium and a process for analyzing the effect of alcohol on drug release pattern.	Published
2.	Design Patent	Prof. Prerana Dongre	291622 8 th March, 2016	Drug Permeability Testing Apparatus	Filed
3.	Patent	Dr. Mahesh Ghaisas	241/MUM/2008A 23/07/2010	Novel phenothiazine derivatives as nootropic agents	Published

24 Areas of consultancy and income generated

Sr. No.	Title of The Project	Funding Agency	Amount (Rs.)
1.	Development of analytical method for herbal drugs	A J Organica Pvt. Ltd	Rs. 1,40,000/-
2.	Development of veterinary formulations	Adesean Laboratories Pvt. Ltd	Rs. 30,000/-
3.	Development of formulations for preclinical studies	V life Ltd.	Rs. 1,00,000/-

25 Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :

Sr No.	Name of the faculty	national / international institutions / Designation	
1	Dr Anagha Joshi	CPCSEA	Member
2	Dr Mahesh Ghaisas	IAEC	CPCSEA nominee

26 Faculty serving in

a) National committees

Sr. No.	Name of the Faculty	Membership Details	Designation
1	Dr. Anagha Joshi	Association of Pharmaceutical Teachers of India	Western Regional Co-ordinator
		Committee for the Purpose of Control And Supervision of Experiments on Animals (CPCSEA)	Member
		Controlled Release Society	Member
		Maharashtra State Pharmacy Council Registration No. 49243	Member
2	Dr. Dayanand Kannur	Association of Pharmaceutical Teachers of India Registration No. MA/LM-860	Member
		Indian Pharmaceutical Association (IPA) MAH/PUNE/LM/0153	Member
		Society for Ethnopharmacology (SFE)- SEE/16/1-722	Member
3	Dr. Mahesh Ghaisas	Association of Pharmaceutical Teachers of India Registration No. MA/LM-329	Member
		Indian Pharmaceutical Association (IPA)	Member
4	Dr. Ramesh Katedeshmukh	Association of Pharmaceutical Teachers of India Registration No. MA/LM-781	Member
		Maharashtra State Pharmacy Council Registration No. 81557	Member
		Indian Pharmaceutical Association (IPA)	Member

5	Dr. Suvarna Ingale	Indian Pharmaceutical Association (IPA) Registration No. MAH/Pune/ LM/144	Member
		Association of Pharmaceutical Teachers of India Registration No. MA/LM-43	Member
		Society for Ethnopharmacology (SFE)	Member
6	Dr. Madhur Kulkarni	Indian Pharmaceutical Association (IPA) Registration No. MAH/MUM/ LM/0686	Member
		Controlled Release Society Registration No. ACD-1608	Member
7	Mr. Subhash Kumbhar	Maharashtra State Pharmacy Council Registration No. 79451	Member
8	Mr. Yogesh Pawar	American Association of Pharmaceutical Scientists	Member
		Indian Pharmacy Graduates' Association	Member
9	Mrs. Manasi Wagdarikar	Association of Pharmaceutical Teachers of India Registration No. MA/LM-2170	Member
10	Mr. Amir Shaikh	Maharashtra State Pharmacy Council Registration No. 95447	Member
		Association of Pharmaceutical Teachers of India Registration No. MA/LM-1616	Member
11	Mrs. Archana Karnik	Maharashtra State Pharmacy Council Registration No. 35564	Member
		Association of Pharmaceutical Teachers of India Registration No. MA/LM-429	Member
12	Ms. Tejaswini Kakade	Association of Pharmaceutical Teachers of India Registration No. MA/LM-1788	Member

b) International committees

➤ **NIL**

c) Editorial Boards

Sr. No.	Name of the faculty	Journal	Designation
1.	Dr. Anagha Joshi	Arabian Journal of Chemistry International Journal of Pharmacy and Pharmaceutical sciences	Reviewer Reviewer
2.	Dr. Dayanand Kannur	Journal of Natural Remedies Asian journal of Pharmaceutics Current Nutrition and Food Science African Journal of Phytomedicine	Member-Editorial Board Reviewer Reviewer Reviewer
3.	Mr. Shriniwas Patil	Ecological Engineering Elsevier (Impact Factor 3.2)	Reviewer
4.	Dr Mahesh Ghaisas	Inflammopharmacology Pharmaceutical Biology International Journal of Diabetes in developing countries International Wound Journal	Reviewer Reviewer Reviewer Reviewer
5.	Dr Suvarna Ingale	Pharmaceutical biology International journal of pharmacy and pharmaceutical sciences Natural product research International Wound Journal	Reviewer Reviewer Reviewer Reviewer

d) any other (specify)

27 Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

List of seminar/ conferences attended

Faculty Development Programs	NUMBER OF FACULTY ATTENDED			
	2016-17	2015-16	2014-15	2013-14
Induction programs	--	--	--	--
Re-orientation programs (syllabus orientation)	02	00	00	04
Refresher courses (SPPU seminar)	00	01	02	00
Capacity building programs (SPPU conference)	09	18	15	14
Programs by regulatory / apex bodies (IPA, APTI, SFE programs)	03	02	01	00

List of Refresher / orientation programs, workshops, training programs attended

Sr. No.	Name of the Organization	Particulars	Faculty attended
1.	J.B. Chemicals Pvt. Ltd.	One day training program on API synthesis process technology.	1. Ms. Archana Karnik 2. Mr. Sunil Kakad 3. Ms. Mauli Shah
2.	ACG World Technologies	On site one day training on "A step towards Quality by Design	1. Dr. Madhur Kulkarni 2. Ms. Vishakha Hastak 3. Mr. Yogesh Pawar
3.	ISTE Approved	One week short term training program on analytical instrumentation	1. Ms. Archana Karnik 2. Ms. Manasi Wagdarikar
4.	Anchrom Instruments Pvt. Ltd.	HPTLC hands on training program	1. Dr. Dayanand Kannur
5.	College of Engineering, Pune	One day workshop on outcome based education and accreditation.	1. Dr. Suvarna Ingale

6.	AISSMS College of Pharmacy, Pune in association with University of Pune	'Examination Procedure'	1. Dr. Suvarna Ingale
7.	Indian Association of Colleges of Pharmacy	Pharmacy Practice Advanced Learning Series – Module 10 “Oncology -2 : Haematology, Blood Cancers”	Ms. Shraddha Devarshi

28 Student projects

➤ Percentage of students who have taken up in-house projects including inter-departmental projects:

All the students of Third Year B.Pharm in 2013-14 and 2014-15 have taken up in-house interdepartmental projects under the guidance of the ICP faculty members.

➤ Percentage of students doing projects in collaboration with other universities / industry / institute:

➤ Nil

29 Awards / recognitions received at the national and international level by Faculty

Sr. No.	Award Title	Faculty	Year	Conferred by
1.	Winner of oral presentation competition in segment of Pharmacognosy	Dr. Dayanand Kannur	2016	International Conference on Advances in traditional Medicine
2.	Runner up of poster presentation competition in Pharmacology segment	Dr. Suvarna Ingale	2016	International Conference on Advances in traditional Medicine
3.	Runner up of poster presentation competition in segment of Pharmacognosy and Phytochemistry	Ms. Prerana Dongre	2016	International Conference on Advances in traditional Medicine

4.	Best paper presentation in 4 th National conference on “ABMH PharmaCon-2016”	Mr Yogesh Pawar	2016	National Conference on “ABMH PharmaCon-2016” organized by Aditya Birla Memorial Hospital
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Doctoral / post-doctoral fellows

Category	Name of the Conference	Rank	Title of poster	Name of authors
Ph. D	Indira Pharma Zeal 2016	First	Media Optimization, Purification And Partial Characterization Of Serratiopeptidase From SerratiaMarcescens Ncim 2919	Manasi J. Wagdarikar, Dr. Anagha M. Joshi
		Second	Effect of <i>Canna indica</i> L. root and rhizome extract on streptozotocin induced diabetes in rats.	<u>Kumbhar ST</u> , Une HD, Joshi AM, Patil SP.
Ph. D	Indira Pharma Zeal 2014	First	Screening of Hygrophilaschulli seed extracts for Antihyperlipidemic activity (Ph.D-4)	Dayanand Kannur, KishanchandraKhandelwa

Students –

Category	Name of the Conference/Event	Rank	Title of poster/Event	Name of authors/Participants
B. Pharm	3rd National level pharma Quiz, Jointly organized by SB College of Pharmacy, Nagpur and Alembic Pharma, in February, 2017	Fourth	National level pharma Quiz Competition	Ms. Priya Chand And Uttkarsha Ranade
B. Pharm	Indira Pharma Zeal 2016	First	Antinociceptive Effect Of Moringa oleifera Leaf Extract In Neuropathic Pain	Artee A. Kature, Suvarna P. Ingale
		Second	Marine natural products: a new wave of drugs	Gorad H.C , Shah A.G, Dongre P.P
B. Pharm	Indira Pharma Zeal 2014	First	Okra Gum As A Binder In Tablet	Prashant Mandhare* ¹ , Amol Pawar ¹ , Vishal Dongare ¹ , Archis Jadhav ¹ Ramesh G. Katedeshmukh ¹
B. Pharm.	Indira Pharma Zeal 2013	First	Palliative care of cancer patients	SoumyavaniPappu, Sanika Naik, PriyaSandbhor
		Second	Solubility enhancement techniques	PriyaShirsat
Pharm. D.	Indira Pharma Zeal 2017	First	'An idea can change your life -Slogan generation'	Kimaya Kale Suman Chaudhary

Pharm. D.		Second	'An idea can change your life -Slogan generation'	Summaiyya Ahmed Arohi Deshmukh Arya Thuthinal Shruti Deshpande
Pharm. D.		First	'Chota Packet Bada Dhamaca - Visual aid competition	Summaiyya Ahmed Arohi Deshmukh Arya Thuthinal Shruti Deshpande

30 Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sr. No.	Year	Topic	Funding Agency	Chief Guest
1.	2012-2013	Clinical Research- Past, Present, Future	Savitribai Phule Pune University	Dr Jayashree Todkar
2.	2013-2014	Emerging Trends in Pharmaceutical Research		Dr S.S.Jadhav
3.	2014-2015	Bridging the gap between Academia and Industry: A challenge!		Mr Subodh Priolkar
4.	2015-2016	Quality by Design: A breakthrough pathway for effective product lifecycle management		Dr. Bhupinder Singh Bhoop Professor & Chairman. UIPS, Punjab University, Chandigarh
5.	2016-2017	Leveraging of IPR for opportunities in Pharma-Industry		Dr. Mohan Kulkarni, Emeritus Scientist, CSIR, Unit for Research and Development of Information Products (URDIP), Pune

31 Code of ethics for research followed by the departments :

The institute imparts oath to all the aspirants at the induction program. Till 2014, research or review project was mandatory for Third Year B.Pharm students. The institute encouraged the students to take up research work than review. The research guides used to explain ideas of novelty and how to identify research problem and inculcated research

methodology. The ideals of originality, secrecy and morality were imbibed in them and they were made aware of wrong concepts of plagiarism and why and how they should not fall a prey to them. Even now interested students are given research projects and results are evaluated meticulously.

32 Student profile program-wise :

Name of the Program	Applications Received	Selected		Pass Percentage	
		Male	Female	Male	Female
B. Pharm.					
2013-2014	57 + 09 (PIO)	27 +05	30 + 04	81.48 + 20	90 + 75
2014-2015	60 + 09 (PIO)	37 + 08	23 + 01	62.16 + 12.5	78.26 + 100
2015-2016	60 + 08 (PIO)	33 + 07	27 + 01	66.66 + 00	88.88+ 00
2016-2017	60 + 06 (PIO)	18+ 05	42 + 01	-	-
Pharm D.					
2016-2017	30	05	22	-	-

33 Diversity of students

Name of the Program	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries	Total
B. Pharm.					
2013-2014	45.45	33.33	7.57	13.63	100
2014-2015	53.62	20.28	13.04	13.04	100
2015-2016	51.47	30.88	5.88	11.76	100
2016-2017	65.67	23.88	0	10.44	100
Pharm D.					
2016-2017	33.33	66.66	-	-	

34 How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Exam	Name of the Student	Exam	Name of the Student
UPSC	1. Mr. Vijay Surase	GPAT	1. Mr. Vitthal Jadhav
	2. Mr. Atul Bhoite		3. Ms. Archana Zadkhande
Combined Defense Services	4. Mr. Archis Jadhav		5. Mr. Mahesh Kalamkar
IELTS	1. Ms. Priya Chand		6. Ms. Sandhya Anupuram
	2. Ms. Aditi Shah		7. Mr. Shreyas Deo
	3. Ms. Himani Gorad		8. Ms. Utkarsha Ranade
	4. Mr. Sidharth Tholiya		9. Ms. Manpreet Batra
	5. Mr. Akshay Pawar		10. Mr. Dhanraj Gaikwad
GRE, TOEFL	1. Ms. Diksha Mishra		11. Ms. Swati Iyer
	2. MS. Uttakrsha Ranade		

35 Student progression

Year	UG To PG	PG to M. Phil, DM / M Ch / DNB	PG to Ph.D.	Ph.D. to Post-Doctoral	Employed	Campus selection	Other than campus recruitment Entrepreneurs
B. Pharm							
2015-2016	19	-	01	-	31	25	6+7
2014-2015	20	-	01	-	32	25	7+2
2013-2014	15	-	-	-	19	12	7+9
2012-2013	15	-	-	-	40	19	21+7

36 Diversity of staff : Total Faculty for B. Pharm 18

Of the same university	From other universities within the State	From universities from other States	From universities outside the country
B. Pharm			
33.33	44.44	22.22	00
Pharm D.			
00	50.00	50.00	00

37 Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Year	Ph. D. during the assessment period
2016-2017	01
2015-2016	01
2014-2015	01
2013-2014	--
2012-2013	01

38 Present details of departmental infrastructural facilities with regard to

a) Library

Sr. No.	Particular	Availability
1.	Total area of the library	171.87 Sq. M.
2.	Seating capacity of the library	85
3.	Reprographic facility	YES
4.	Working hours of Library	8.30 a.m. to 6.00 p. m.
5.	Library networking facility	YES
6.	Usage data of the library (in terms of books issued to the faculty & students etc.)	Approx. 200 books per day
7.	Annual library budget (% of annual student fee collected)	2.5%

Sr. No.	Course	Total Number of Titles	Total Number of volumes	Number of Journals	
				National	International
1	B. Pharm	1437	7623	11	DELNET 68 E- Journals
2	M. Pharm Pharmaceutics	174	730		
3	Pharm. D.	314	1690		
Total		1925	10043	11	

b) Internet facilities for staff and students

Sr. No.	Configuration	Quantity
1.	Intel PIV 2.66 GHz ,256/512 MB RAM, 1 GB RAM, 80 GB HDD, Logitech K/B & Mouse, Samsung Monitor	22
2.	Intel PIV 2.93 GHz, 256 MB RAM, 80 GB HDD,K/B, Mouse, Monitor HCL	03
3.	Intel PIV 3.0 GHz, 256 MB DDR RAM, 80 GB HDD, K/B Mouse Logitech, Samsung Monitor	05
4.	VIP 703 BATTX SMPS 450 CABINET/Intel 3.0 GHz,40 GB 256/512 MB RAM, 1 GB RAM HD 15'' LG Monitor, Logitech keyboard & optical mouse	16
5.	Intel Pentium Dual Core 2 GHZ,512MB DDR,80 GB SATA Hard Disc Logitech USB optical mouse	03
6.	Intel G31 Chipset,Core2Duo E4600 2.4 GHz 2MB CACHE 800 MHz ,1 GB DDR2 SDRAM 80 GB SATA HDD. Logitech kbd. & mouse. 17'' TFT & 15''	10
7.	Thincentre Lenovo 3492 Core I3-3210/3 rd Gen/2 GB DDR3 RAM,500GB HDD/DVD RW LED Monitor	01
8.	HP 202 G2 MT Intel Core I5-4570T 2.9G 4M HD 460 CPU 4GB DDR3 RAM 500GB HDD USB KYBD/Mouse LED Monitor	05
9.	Lenovo 10ASA06WIH/Intel Core I3,4 GB RAM,500GB HDD,3/3/3 HDD 18.5'/E73/monitor;USB Kybd & Mouse	02
10.	Laptop	03
Total		70

Sr. No.	Others	Quantity
1.	Printer	09
2.	LCD	05
3.	Access Point	02
4.	Internet (LAN Connection)	50 MBPS

c) **Licensed System Softwares**

Sr. No.	Others	Quantity
1.	Microsoft Windows 10	Used for Client Desktop
2.	Microsoft Server 2012	Used for Servers Ex.DC,ADC,SCCM,TMG
3.	Microsoft server 2008	Used for Servers Ex.Wifi DC,ADC, Library Server
4.	Microsoft Windows 7	Used for Client Desktop
5.	Windows 8/8.1	Used for Client Desktop
6.	FortiOS	Used For Firewall Server

d) **Licensed Application Software**

Sr. No.	Others	Quantity
1.	Microsoft VISIO	Used to design Eg. Network Diagram
2.	Microsoft System Center Config. Management	Used for Microsoft updates on client machine
3.	Microsoft Project	Used for developing plans, assigning resources, managing budgets.
4.	Microsoft SQL Server 05/08	Used for Wireless User Database
5.	Microsoft TMG	Used as a Backup firewall
6.	Microsoft Forefront Antivirus	Used for Client Machines

7.	Slim Software	Library Software
8.	Expharm & other Simulator	Freeware for pharmacology students
9.	Forticloud Service 200GB online storage	Internet usage reports.
10.	Sanko Study	For Language Lab
11.	Tally ERP	Used For Account Department.
12.	People Power	ERP system for College.
13.	Microsoft Office	Includes word, excel, PowerPoint etc.
14.	Microsoft Visual Studio	Form design for Wireless Users.
15.	Acrobat Reader	Pdf freeware version
16.	7-Zip	For Zip Files. Open Source
17.	VLC Player	For Playing media files. Open Source
18.	JAVA	Java supporting website. Freeware
19.	Wireshark & Nmap	Network Scanning. Open Source

e) Total number of class rooms

Sr. No.	Room No.	Room Type	Area (Sq. Mt.)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
B. Pharm						
1.	001-I	Classroom -1	68.31	Yes	Yes	Yes
2.	002-I	Classroom -2	68.31	Yes	Yes	Yes
3.	110-I	Classroom -3	104.08	Yes	Yes	Yes
Pharm D.						
4.	209-I	Classroom -4	104.08	Yes	Yes	Yes
5.	309-I	Class Room-5	104.08	Yes	Yes	Yes

f) Class rooms with ICT facility and 'smart' class rooms

Sr. No.	Room No.	Room Type	Area (Sq. Mt.)	LCD Projector
1.	001-I	Classroom -1	68.31	Yes
2.	002-I	Classroom -2	68.31	Yes
3.	110-I	Classroom -3	104.08	Yes
4.	209-I	Classroom -4	104.08	Yes
5.	309-I	Class Room-5	104.08	Yes

g) Students' laboratories

Sr. No.	Room No.	Room Type	Area (Sq. Mt.)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
1.	003-I	Communication Laboratory	56.88	Yes	Yes	Yes
2.	006-I	Pharmaceutics Lab - 1	91.24	Yes	Yes	Yes
3.	007-I	Pharmaceutics Lab - 2	91.24	Yes	Yes	Yes
4.	009-I	Pharmaceutics Research Lab- PG	76.33	Yes	Yes	Yes
5.	011-I	Industrial Pharmacy Lab (Machine Room)	81.07	Yes	Yes	Yes
6.	101-I	Pharm Micro. Biotech Lab	137.93	Yes	Yes	Yes
7.	106-I	Pharm Analysis Lab	75.56	Yes	Yes	Yes
8.	111-I	Central Instrument Room	74.66	Yes	Yes	Yes
9.	201-I	Pharmacognosy Lab	107.87	Yes	Yes	Yes
10.	203-I	Pharmacy Practice Lab- 1	75.24	Yes	Yes	Yes
11.	206-I	Pharm Chemistry Lab-1	91.24	Yes	Yes	Yes
12.	207-I	Pharm Chemistry Lab-2	91.24	Yes	Yes	Yes
13.	301-I	Pharmacology Lab	107.87	Yes	Yes	Yes
14.	304-I	Pharmacy Practice Lab- 2	91.24	Yes	Yes	Yes
15.	319-I	Animal House	80.85	Yes	Yes	Yes

h) Research laboratories : NA

39 List of doctoral, post-doctoral students and Research Associates**a) From the host institution/university-**

➤ NIL

b) From other institutions/universities

➤ NIL

40 Number of post graduate students getting financial assistance from the university.

➤ NIL

41 Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

The parent body reviewed the reports published by agencies like Mckinskey, Earnst and Young etc. for understanding demand of trained manpower. Also they reviewed the admission status of the program for last 2 years. Based on this, they decided to establish Pharmacy College.

42 Does the department obtain feedback from**a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

The institute follows the curriculum designed by Savitribai Phule Pune University. Few senior faculty are involved in syllabus revision and designing meetings of SPPU. The feedback of faculty on curriculum, its scope, applicability and problems faced if any during delivery is taken during faculty meetings and conveyed to the university 'Board of Studies' members.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Student's feedback is received regarding faculty performance and evaluated on different parameters. This feedback is collected by the feedback committee constituted of three faculty members. The faculty performance is analyzed on the scale of 1 -10. This feedback is shared with the concerned faculty member so that necessary improvements can be done. The compiled feedback report is presented to the principal.

The faculty members with poor feedback are guided by the principal and the respective head of the department for special efforts towards improvement.

c) Alumni and employers on the programs offered and how does the department utilize the feedback?

The feedback of the alumni, parents and employers is collected at the end of the course every year. The suggestions are considered and addressed for improvements. These feedbacks help to find the loopholes in and expectations from the teaching learning processes. Necessary actions are taken according to the feedbacks and suggestions for betterment of education practices followed in the institute.

43 List the distinguished alumni of the department (maximum 10)

Sr. No.	Name of the Alumni	Organization	Current Designation
1.	Mr. Vishal Oswal	Om Medisurg	Owner
2.	Mr. Yogesh Chandere	Shree Samarth Enterprises, Orthopedic Implants and Instruments	Owner
3.	Mr. Sagar Joshi	Alkem Laboratories	Manager, International Business
4.	Mr. Pratik Thakare	Sandor Life Sciences	Manager, Genomics and Proteomics
5.	Mr. Shreyas Deo	Campbell University, Athletics Department	Student Worker
6.	Mr. Prashant Jadhav	IPCA laboratories, Athal	Quality Management Systems- Productions
7.	Ms. Revati Anagal	Nexgen Healthcare Pvt. Ltd.	Business Development Executive
8.	Mr. Swapnil Oke	Indian Institute of Toxicology	Genetic Toxicologist
9.	Mr. Aditya Kulkarni	Aesica Pharmaceuticals, London	Senior Quality Specialist
10.	Mr. Rahul Kesavan	St. Stephens School, Perth, Australia	Educator

44 Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

B. Pharm

Sr. No.	Name of the speaker	Designation and Organization
1.	Dr. Mohan G. Kulkarni	Emeritus Scientist, CSIR URDIP, Pune
2.	Mrs. Aasiya Choudhary	Deputy Manager- Intellectual Property, Enzene Biosciences Ltd., Pune
3.	Dr. Vijaya Desai	General Manager, Lupin Ltd. Pune.
4.	Mrs. Shrividya Ravi	Patent Associate at Gnanlex Hermeneutics Pvt. Ltd, Pune
5.	Ms. Pallavi Kharkar	Founder of Ipram, Intellectual Property services, Mumbai
6.	Dr. Sanjay Tamoli	Abhinav Health Care Products Pvt. Ltd Mumbai
7.	Mr. Vilas Bendre	Product Specialist (Pharma & Life Science) Nano Bio Process Division
8.	Dr. Suvarna Deshpande	HOD. Marketing, Indira school of Business Studies
9.	Dr. Vadlamudi Rao	President IPA, Director-St. Peter's Institute of Pharmaceutical Sciences
10.	Dr. Nitin Unkule	Founder Director, Kaivalya Yoga Institute
11.	Dr. Graham Nickolson	Professor and Dean, University of Technology Sydney, Australia
12.	Mr. Ajay Varhade	Faculty, Indira Institute of Management
13.	Dr. Sunita Belgamwar	Coordinator, Maharashtra AYUSH industry cluster.
14.	Dr. Suresh Kumar	Manager, Johnson and Johnson Ltd.
15.	Dr. Medha Joshi	Asst. Prof
16.	Dr. Parag Gatne	R & D Manager, USV Ltd.
17.	Mr. Shridhar Joshi	MD-JB Chemicals
18.	Dr. Mahesh Burande	Principal, Siddhant College of Pharmacy, Pune
19.	Mr. R. B. Joshi	Ex-Asst. FDA Commissioner, Maharashtra
20.	Mrs. Indrani Kakade	Director Operations, Cognizant Life sciences

21.	Mr. Shailesh Laul	Vice President Manufacturing, Glenmark Generics Limited, Goa.
22.	Dr. R.K Nanda	Emeritus Professor, Pad. Dr. D.Y. Patil Institute of Pharmaceutical Sciences & Research, Pune
23.	Dr. Sudhir Pandya	Nulife Pharmaceuticals, Pimpri.
24.	Mr. Avinash Kulkarni	CEO-PAN Health Inc., USA
25.	Dr. Jayesh Parmar	Formulation Manager, Colorcon Pvt. Ltd., Mumbai
26.	Dr. Kaustubh Tambavekar	Formulations Manager, Jansen Cilag
27.	Mr. Arjun Guha Thakurta	Director-Operations, Life Science Consulting Pvt. Ltd.
28.	Dr. Seema Sonis	Nutritionist
29.	Mr. Pradeep Khose	Zonal Manager, Troikaa Pharmaceuticals
30.	Mrs. Bhavika Tambavekar	Independent consultant-Pharma Regulatory affairs
31.	Mrs. Manjiri Joshi	Director, UKATT Consultancy Services, Pune
32.	Dr. Vrushali Waknis	Research Investigator, Bristol Meyers Squibb , New Jersey, USA
33.	Mr. Bharat Ketkar	Personal Motivator and consultant, Pune
34.	Ms. Merlin Fernandes	Executive-Administration, Career Versity, Pune
35.	Dr. Bhupinder Singh Bhoop	Chairman and Dean –UDPS, Panjab University, Chandigarh
36.	Dr. Serwar Beg	Research Fellow, Panjab University
37.	Dr. Naveen Ahuja	Head-QBD, Lupin Research Park, Pune
38.	Dr. Rahul Aware	Technical Manager, ACG Technologies Ltd
39.	Mr. Mahesh Fukey	Director –R &D, Lupin Research Park, Pune
40.	Dr. Abhijeet Gothoskar	Global Product Development consultant
41.	Mr. Bimal Kumar Kesh	Training Manager, Q Sutra, Minitab
42.	Mr. Subodh Priolkar,	Managing Director-South Asia, Colorcon Pvt. Ltd.
43.	Dr. Vijay Patil	Senior Associate Director, Wockhardt research Centre, Aurangabad

44.	Dr. Thomas Mueller	Managing Director, AUXILIFE Scientific Services Pvt. Ltd., Pune
45.	Mr. Sachin Umalkar	Director, Acclimate Pharmaceuticals, Ltd, Pune Director, RUV Pharma, Pune
46.	Mr. Uday Borde	Director, RUV Pharma, Pune
47.	Mr. Suresh Jain	Senior Manager -H R, Emcure Pharmaceuticals Ltd., Pune
48.	Mrs. Anagha Chaphalkar	Human Resources, Cytel, Pune
49.	Mr. Vinit Jhamawar	Human Resources, L'Oréal India, Pune
50.	Dr. Sanjay Boldhane	Associate Director –IDDR, Abbott Healthcare Pvt. Ltd
51.	Dr. Ameeta Karnik	Technical Director, Pell Tech Healthcare
52.	Mrs. Sonali Gujar	General Product Quality Manager, Johnson & Johnson Ltd.
53.	Mr. Ashish Babtiwale	Director –Pharma Operations, Virchow Labs Ltd.
54.	Mr. R. B. Joshi	Asst. Commissioner, Maharashtra FDA.
55.	Mrs. Sandhya Shenoy	Sr. GM, Pharmaceutical Technology Centre - Mumbai, Cadila Healthcare Limited
56.	Dr. Sambhaji Pisal	Sr. Scientist , Serum Institute of India, Pune
57.	Dr. Dnyandeo Rane,	R & D Head ,Optimus Pharmaceuticals, Hyderabad
58.	Mr. Sougata Pramanick	R&D (Formulations), Emcure Pharmaceuticals, Pune.
59.	Dr. Evans Coutinho	Professor, HOD, Pharmaceutical Chemistry Bombay College of Pharmacy, Mumbai.
60.	Dr. Chirag Trivedi	Deputy Director –Project Management and Strategic Initiatives in the Clinical Study Unit of Sanofi, India

Pharm D.

Sr No.	Name of the speaker	Topic
1.	Aditya Birla Memorial Hospital	Induction to Hospital Practices
2.	Dr. Mohan Chaudhari	Role of enzymes in medical biochemistry
3.	Dr. Ravindra Ghooi	Role of clinical pharmacist in patient care
4.	Dr. Mahesh Bhurande	Scope and potential after pharmacy - galaxy of job opportunities and careers for PharmD
5.	Mrs. Sangeetha Deshpande	Soft Skill Development
6.	Mrs. Dipti Panhalkar	Mind Gym

45 List the teaching methods adopted by the faculty for different programs including clinical teaching.

Sr No	Innovative method	Impact & Outcome
1	Molecular models to describe the stereochemistry.	Better understanding of the subject knowledge
2	Z to A approach	Application oriented technique
3	Seminars and Quiz	Value added subject grasping
4	Case Studies for M.Pharm	Problem solving approach is enhanced
5	Hands on training on Biotechnology techniques	Expertise building
6	Free-lance techniques	Self-learning enhancement
7	Market research based practical designs	Self-motivation and entrepreneurship attitude building
8	cGMP and US FDA environment exposure	Better understanding of the Global regulatory atmosphere
9	Students debate	Joyful learning, self-learning and confidence building
10	Exhibition on Patient counseling	Joyful learning and skill development.

46 How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Educational Objectives	Learning Methods	Assessment (principles, methods and practices)
Thorough Subject Knowledge	<ul style="list-style-type: none"> ➤ Conduct of regular academics(Lectures and Practicals) ➤ Library and e-knowledge resources ➤ Guest lectures and seminars ➤ Assignment and projects ➤ Conduct of special drives 	<ul style="list-style-type: none"> ➤ In-semester continuous assessment. ➤ Sessional Examinations ➤ End semester examination ➤ Students Feedback ➤ Corporate Feedback ➤ Viva-voce
Practical Skill Development	<ul style="list-style-type: none"> ➤ Conduct of regular practicals ➤ Maintenance of record books ➤ Instrumentation handling ➤ Inculcate Good Laboratory Practices ➤ Design and conduct practicals based on the current emerging topics ➤ Hands on experience on various sophisticated techniques 	<ul style="list-style-type: none"> ➤ In-semester continuous assessment. ➤ Sessional Examinations ➤ End semester examination ➤ Students Feedback ➤ Corporate Feedback ➤ Viva-voce
Develop Professional Pharmacist	<ul style="list-style-type: none"> ➤ Industrial visit 	<ul style="list-style-type: none"> ➤ Industrial Visit Reports
Inculcate research and Development acumen	<ul style="list-style-type: none"> ➤ Assign and execute various research projects ➤ Journal club activity ➤ Case studies ➤ Utilization well equipped pilot plant (IPL) 	<ul style="list-style-type: none"> ➤ Poster presentation, research paper publication ➤ Seminar presentation ➤ Filing of patents <p>Regular evaluation of students through In-semester continuous</p>

	<ul style="list-style-type: none"> ➤ Sessions on Research methodology 	assessment, Sessional and End semester examinations. <ul style="list-style-type: none"> ➤ Viva-voce
Develop Communication and Presentation skills	<ul style="list-style-type: none"> ➤ Seminar and Poster presentation ➤ Group Discussion ➤ Quiz ➤ Extra-curricular and Co-curricular activities 	<ul style="list-style-type: none"> ➤ Evaluation of students on the criteria like Presentation Skill, defense and technical know-how ➤ Student's achievements in Extra-curricular and Co-curricular activities.

Goals	Objectives	Activities	Outcomes
Quality Education, Professional and social development	Quality Pharmacist, Multi-faceted development, Pharmaceutical research	<ul style="list-style-type: none"> ➤ Regular pre planned lectures and practical with advanced teaching methods and facilities. ➤ Regular counselling of the students by faculty. ➤ Extracurricular and co-curricular activities ➤ Community services 	<ul style="list-style-type: none"> ➤ Students become knowledgeable, responsible and quality pharmacist with moral, ethical values and good etiquettes ➤ So that they can give good service to the society
Research and higher Education	<ul style="list-style-type: none"> ➤ Seminars, workshops, ➤ Training and conferences. ➤ Industry academic -Interaction ➤ Pharmaceutical research ➤ State of art services and consultancy ➤ Innovative educational ➤ Endeavors 	<ul style="list-style-type: none"> ➤ The institute provides good research facilities and research environment so the they can use their innovative mind in research which will helpful for the mankind 	<ul style="list-style-type: none"> ➤ Students can think out of the box for innovative practices. So that they can apply their innovative mind for the benefit of the public health and society

47 Highlight the participation of students and faculty in extension activities.

The college sensitizes faculties and students about social responsibilities through counselling, orientation programs conducted by the Principal and faculty members. Eminent personalities from the society like Commissioner of Police, Army personnel, who motivate and create awareness amongst the students and faculty members.

From the inception of ICP, our students and faculty members being responsible pharmacist, have enthusiastically organized / participated in the following social drives.

- Team ICP conducted a mass cleanliness drive with a motto of 'Plastic Free India' in collaboration with Pimpri Chinchwad Municipal Corporation.
- ICP Students participated in the Pulse Polio campaign in collaboration with Health Department Central Government of India
- Girl students Participated at FICCI F10 fund raiser marathon to support the cause of women empowerment through increasing employment and encouraging entrepreneurship.
- ICP Students conducted a mass communication program in and around Pune for awareness about Dengue, in collaboration with Pune Municipal Corporation.
- ICP students participated with enthusiasm in Marathon for Breast Cancer awareness organized by Prashanti Cancer Care Mission.
- Our students, to fulfill their social commitment, participated in Voters awareness and motivation drive in PMC elections.
- Students of ICP conducted a mass communication program in and around Pune for awareness about Swine Flu, in collaboration with Pune Municipal Corporation.
- Pharmacy students participated with great enthusiasm in Pune Marathon, with a theme of – Race against HIV-AIDS.
- Pharmacy students carried an awareness drive for prevention of *Chikanguniya* in nearby villages of Pune.
- Our students performed street play on anemia and its causes/remedies etc. at hemoglobin detection camp for school children.
- Pharmacy students were a leading force in an environment rally '*My Earth My Valentine*' which created awareness regarding environmental protection, which was organized by Indira Group of Institutes.

48 Give details of “beyond syllabus scholarly activities” of the department.

- We are organizing ‘Indira Pharma Zeal’ for last 8 years through which the students get an opportunity to exhibit their research and skill based talents.
- The IIPC and the Guest Lecture seminar committee identify the thrust areas and the topics of prime importance and experts from the industry and academia are invited to deliberate and deliver knowledge to the student community. The thrust areas are as follows:

- ❖ Formulation & Development
- ❖ Regulatory Affairs
- ❖ Research & Development
- ❖ Pharmacovigilance & Clinical Data Management
- ❖ Pharmaceutical Marketing
- ❖ Readiness for Industry

In addition following sessions have been conducted:

- A specially designed program “Samvedana” is conducted by Prof. Mrs. Manasi Wagdarikar.
- Mr. Ajay Warhade from IIMP conducted a special workshop on “ Responsibilities of youth in Nation building”.
- Prof. Ramesh Katedeshmukh delivered a talk on “The ethics in Pharma profession.”
- Prof. Mrs. Archana Karnik talked on “ Importance of Positivity and happiness in Professional life”.
- Prof. Dr. Dayanand Kannur conducted a session on “A good human being- simple but a difficult task.”
- Prof. Dr. Suvarna Ingale conducted a workshop on “ Wellness of Women”.

49 State whether the program/ department is accredited/ graded by other agencies?

If yes, give details.

- Not Yet.

50 Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Totally more than 300 students of B.Pharm have undertaken various research/review projects during their Third year and Final B. Pharm. which has resulted in publications in journals and presentations and conferences.

- Novel formulations like Ajowan jelly, herbal cough lozenges, Chywan Jelly, Sitopaladi jelly, memory enhancer instant coffee, etc, have been developed.
- Students have participated and generated data for clinical and medical devices.
- The UG students have immensely contributed in creating awareness regarding health & hygiene, safe use of drugs, prevention of self-medication and various epidemics.

51 Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Qualified, experienced and dedicated faculty and support staff.
- Liberty to operate and freedom to work.
- Proactive Management with inclusive approach and pragmatic vision.
- State of art infrastructure with well-equipped laboratories and classrooms, Wi-Fi enabled campus and well stocked library with e resources.
- Vibrant Industry Institute Partnership Cell.
- Collaboration with Aditya Birla Memorial Hospital with set Pharmacy Practice Department.

Weaknesses

- Constraint with respect to infrastructure for further expansion.
- Quality of incoming students.
- Location of the institution in non-residential area.
- Communication skills of students hailing from rural area.
- Less number of publications in high impact journals.

Opportunities

- Expansion to increase the intake from 60 to 100.
- To start skill development program and B.Voc. courses.
- To start Pharm.D (Post Baccalaureate) course.
- Establish communication center to enhance the communications skills.
- Strengthening of R& D Cell.
- Cashless campus.

Challenges

- Completion of syllabus in stipulated time.
- Recovery of fees from students as well as Social welfare department.

- To keep the students academically focused in the world of varied temptations.
- To meet the ever growing expectations of various stake holders.

52 Future plans of the department.

- To strengthen R & D activity and to fetch grants from various funding agencies.
- To initiate activities under the international collaborations.
- To further enhance the industrial collaborations.
- To start Indira Community Pharmacy.
- To establish Drug and Poison Information Center
- To establish Patient counselling Centre

Evaluative Report of the Department (PG)

1. Name of the Department-

➤ **PG- M. Pharm Pharmaceutics**

2. Year of establishment- 2011

3. Is the Department part of a college/Faculty of the university?

The department is part of Indira College of Pharmacy affiliated to Savitribai Phule Pune University.

4. Names of programs offered (UG, PG, Pharm. D., Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

Sr. No.	Name of Course	Sanctioned Intake (Year wise)			Actual Admitted (Year wise)		
		1st	2nd	Total	1st	2nd	Total
1	M. Pharm. -Pharmaceutics	15	18	33	13	10	23

5. Interdisciplinary programs and departments involved

The faculty members and post graduate students undertake research projects involving various disciplines like Pharmacology, Pharmacognosy, Pharmaceutics, Pharmaceutical analysis and even Microbiology. The list of M.Pharm projects based on interdisciplinary work is given in table.

Sr. No.	Title of the Project	Name of the Guide	Disciplines Involved
1.	Preparation and evaluation of pediatric nutritional formulation containing Egg Albumin powder	Dr. Madhur Kulkarni	Nutritional Science, Pharmaceutics, Pharmaceutical analysis
2.	Development and Evaluation of Formulation using co-processed Excipients	Dr. Madhur Kulkarni	Pharmaceutics, Pharmaceutical analysis

3.	Development of Pediatric formulation of Flax Seed oil.	Dr. Madhur Kulkarni	Pharmacognosy Pharmaceutics, Pharmaceutical analysis
4.	Improvement of stability, formulation development and evaluation of Natural Carotenoids	Dr. Madhur Kulkarni	Pharmacognosy Pharmaceutics, Pharmaceutical analysis, Cosmeticology
5.	Development and evaluation of flaxseed oil formulation for pediatric use	Dr. R. Katedeshmukh Co-guide - Dr. Madhur Kulkarni	Pharmacognosy Pharmaceutics, Pharmaceutical analysis
6.	Development and evaluation of formulations using co-processed excipients	Dr. R.G. Katedeshmukh Co-guide – Dr. Madhur Kulkarni	Pharmaceutics, Pharmaceutical analysis
7	Solubility enhancement of Etodolac by various approaches.	Mr. Yogesh Pawar Mr. Amir Shaikh	Pharmaceutics Pharmaceutical analysis
8	Multiparticulate System of Celecoxib for Colonic Drug Delivery	Dr. R.G. Katedeshmukh	Pharmaceutics Pharmaceutical analysis
9	Development of Chitosan-Calcium pectinase Microbeads of Celecoxib using Eudragit polymer	Dr. R.G. Katedeshmukh	Pharmaceutics Pharmaceutical analysis
10	Formulation Development of Mouth Dissolving Tablet of Etodolac.	Dr. R.G. Katedeshmukh	Pharmaceutics Pharmaceutical analysis
11	Solubility Enhancement of BCS Class II Drug Using Different Polymers.	Prof. Y D Pawar	Pharmaceutics Pharmaceutical analysis
12	Development of nasal formulation of leaves extract of Passiflora Incarnata for CNS depressant activity	Mrs. V S Hastak	Pharmaceutics, Pharmacognosy Pharmaceutical analysis
13	Development and Evaluation of transdermal delivery system of Doxazocin Mesylate	Mrs. V S Hastak	Pharmaceutics Pharmaceutical analysis
14	Solubility enhancement and formulation development of Candesartan Cilexetil	Prof. Y D Pawar	Pharmaceutics Pharmaceutical analysis

15	Improvement of stability, formulation development and evaluation of CX2.	Prof. R G Katedeshmukh	Pharmaceutics Pharmaceutical analysis
16	DoE Approach for Enhancement of Solubility of Celecoxib.	Prof. Y D Pawar	Pharmaceutics Pharmaceutical analysis
17	Use of Different Polymers to Increase Solubility of Poorly Water Soluble Drug.	Prof. R G Katedeshmukh	Pharmaceutics Pharmaceutical analysis
18	Formulation Development of Herbal Ointment.	Prof. Y D Pawar	Pharmaceutics Pharmaceutical analysis
19	Enhancement of Solubility of Celecoxib	Prof. Y D Pawar	Pharmaceutics Pharmaceutical analysis
20	Formulation Development of Ketoconazole Emulgel for Topical Drug Delivery System.	Prof. Y D Pawar	Pharmaceutics Pharmaceutical analysis

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

We do not have courses in collaboration with other universities and foreign institutions. However, Shree Chanakya Education Society, our parent body has signed MOU with “Our Lady Fatima” University, Phillipines for faculty exchange, students exchange and collaborative research in Feb 2017. Soon, we should be starting such courses in coalition with above mentioned university.

7. Details of programs discontinued, if any, with reasons

Sr. No.	Program	Year of Discontinuation	Reason
1	M. Pharm. - Quality Assurance Techniques and M.Pharm.- Pharmacology	2014-2015	Less aspirants for M. Pharm in general and for these branches in particular.

8. Examination System: Semester-

Sr. No.	Name of Course	Examination System
1.	M. Pharm (Pharmaceutics)	Semester- Choice Based Credit System

9. Participation of the department in the courses offered by other departments

All departments are interwoven.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Sr. No.	Posts	Sanctioned	Filled	Actual (including
				CAS & MPS)
1.	Professor	01	01	01
2.	Associate Professor/Reader	01	01	01
3.	Assistant Professor	01	01	01
4.	Lecturer	NIL	NIL	NIL
5.	Tutor / Clinical Instructor	NA	NA	NA
6.	Senior Resident	NA	NA	NA

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sr. No.	Name	Qualification			Designation	Specialization	No. of Years of Experience
		B. Pharm.	M. Pharm.	Ph. D			
1.	Dr. (Mrs.) Anagha Joshi	B. Pharm.	M. Pharm.	Ph. D	Principal & Professor	Pharmaceutical Chemistry	21 Years
2.	Dr. Dayanand Kannur	B. Pharm.	M. Pharm.	Ph. D	Vice Principal & Asso. Prof.	Pharmacognosy	14 Years
3.	Dr. Ramesh Katedeshmukh	B. Pharm.	M. Pharm.	Ph. D	Professor	Pharmaceutics	37 Years
4.	Dr. Madhur Kulkarni	B. Pharm.	M. Pharm.	Ph. D	Associate Professor	Pharmaceutics	17 Years
5.	Ms. Roopal Bhat	B. Pharm.	M. Pharm.	-	Assistant Professor	Pharmaceutics	03 Months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- We have appointed following Visiting faculty for M. Pharm course.

No.	Name of the faculty	Department
1.	Prof. Vilas Bendre Product Specialist, Lab India	Pharmaceutical Chemistry
2.	Prof. Deepa Warriar Regulatory Toxicologist, Auxilife Sciences	Pharmaceutics

13. Percentage of classes taken by temporary faculty – program-wise information.

- We have all full time regular faculties

14. Program-wise Student Teacher Ratio -

- **M. Pharm (Pharmaceutics) 1:7.6 (23/03)**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No.	Posts	Sanctioned/ Required	Filled	Actual (including
				CAS & MPS)
1.	Assistant HR Executive	01	01	01
2.	Assistant Librarian	01	01	01
3.	Lab Assistants	01	01	01
4.	Lab Attendants	01	01	01
Total		04	04	04

16. Research thrust areas as recognized by major funding agencies

ICP faculty has received research grants form BCUD, SPPU Pune based on following thrust areas

- Development of herbal based formulations
- Development of formulations of macro and micronutrients to overcome malnutrition

- Development of delivery systems to improve bioavailability of the drugs and
- Development of topical dosage forms to avoid untoward side effects of the drugs
- Pre-formulation studies and formulation development using optimization approach

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Ongoing Projects:-

Sr. No.	Name of the faculty member	Title of The Project	Funding Agency	Amount (Rs.)	Status
1.	Dr. Dayanand Kannur	Development and standardization of digestive and expectorant dosage forms based on Ayurvedic Churnaand Chattan	Board of College & University	Rs. 1,40,000/-	Ongoing
2.	Dr.(Mrs.) Anagha Joshi	An analytical method development for analyzing release and permeation profile of a drug when co-administered with medicated wines containing one or more ingredients of Trikatu.	Development, Savitribai Phule Pune University, Ganeshkhind, Pune	Rs. 1,40,000/-	Ongoing

18. Inter-institutional collaborative projects and associated grants received**a) National collaboration****• Industry sponsored projects**

Sr. No.	Name of the faculty member	Title of The Project	Funding Agency	Amount (Rs.)	Status
1.	Dr. Madhur Kulkarni	Development of Vitamin B1 tablets	NexGen Healthcare Pvt. Ltd., Mumbai	Rs. 1,12,000/-	Ongoing
2.	Dr. Madhur Kulkarni	Stability enhancement of the carotinoids	AmiconRx Pvt. Ltd, Mumbai	Rs. 47,000/-	Ongoing
3	Dr. Madhur Kulkarni	Development of pediatric nutraceutical formulation	Merck Consumer Health Pvt. Ltd, Mumbai	Rs. 1,60,000/-	Completed
4	Dr. Anagha Joshi, Dr. R.G. Katedeshmukh	Development of veterinary formulations	Adesean Laboratories Pvt. Ltd	Rs. 30,000/-	Completed

b) International collaboration-➤ **NIL****19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**➤ **NIL****20. Research facility / Centre with**

- **State recognition** : **NIL**
- **National recognition** : **NIL**
- **International recognition** : **NIL**

21. Special research laboratories sponsored by / created by industry or corporate bodies➤ **NIL**

22. Publications:

Sr. No	Name of the Faculty	National Journal	International Journal
1	Dr. (Mrs.) Anagha Joshi	04	09
2	Dr. Dayanand Kannur	01	12
3	Dr. Ramesh Katedeshmukh	00	16
4	Dr. Madhur Kulkarni	03	04
5	Mrs. Vishakha Hastak	00	04
6	Mr. Yogesh Pawar	00	12
7	Mr. Amir Shaikh	00	11

Sr. No	Name of faculty	Number of papers published in peer reviewed journals		Chapters in Books	Books edited	Books with ISBN with details of publishers	* Citation Index – range / average	* h-index
		N	I					
1	Dr. (Mrs.) Anagha Joshi	4	9	0	0	2	71	2
2	Dr. Dayanand Kannur	1	13	1	0	0	222	5
3	Dr. Ramesh Katedeshmukh	0	18	1	0	0	58	4
4	Dr. Madhur Kulkarni	4	3	0	1	0	61	3
5	Mr. Yogesh Pawar	0	11	4	0	1	43	5
6	Mr. Amir Shaikh	0	11	4	0	2	43	5

* Books with ISBN with details of publishers:

Sr. No	Name of the faculty	ISBN No	Title of the book	Publisher
1	Dr.Anagha Joshi, Prof. Mansi Wagdarikar	978-81-7660-276-1	Pharmaceutical Analysis I	Everest Publishing House
2	Dr.Anagha Joshi, Prof. Mansi Wagdarikar	978-981-7660-281-5	Pharmaceutical Analysis II	Everest Publishing House
3	Prof.Vishakha Hastak	978-81-7660-283-9	Dosage Form Design	Everest Publishing House
4	Prof.Vishakha Hastak	978-81-7660-287-7	Modern dispensing practices	Everest Publishing House
5	Prof. Yogesh Pawar	978-93-24457-09-7	Practical handbook of modern dispensing practices	Success publication
6	Prof. Amir Shaikh	978-93-24457-07-1	Practical handbook of physical pharmaceuticals-I	Success Publication
7	Prof. Amir Shaikh	978-93-24457-07-3	Practical handbook of physical pharmaceuticals-II	Success Publication

23. Details of patents and income generated

Sr. No.	Type of IPR	Name of the Inventor / Applicant/Author	Date of Filing Application No.	Title	Legal Status
1	Patent	Prof. Vishakha Hastak & Mr. Prashant Jadav	665/MUM/2014 25 th February, 2014	An oro-dispersible tablet and a process for preparing the same	Published
2	Patent	Dr. Anagha Joshi,	664/MUM/2015 25 th February, 2014	A novel dissolution medium and a process for analyzing the effect of alcohol on drug release pattern.	Published
3	Patent	Kiran Suryawanshi &	3511/MUM/2014	A topical formulation	Published

		Dr. Ramesh Katedeshmukh	7 th November 2014	for treating nail disorders	
4	Copyright	Dr. Madhur Kulkarni	9017/2015-CO/L	Redefining the World of Medicines	Published

24. Areas of consultancy and income generated

Sr. No.	Name of the faculty member	Title of The Project	Funding Agency	Amount (Rs.)	Status
1	Dr. Madhur Kulkarni	Development of Vitamin B1 tablets	NexGen Healthcare Pvt. Ltd., Mumbai	Rs. 1,12000/-	Ongoing
2	Dr. Madhur Kulkarni	Stability enhancement of the carotinoids	AmiconRx Pvt. Ltd, Mumbai	Rs. 47,000/-	Ongoing
3	Dr. Madhur Kulkarni	Development of pediatric nutraceutical formulation	Merck Consumer Health Pvt. Ltd, Mumbai	Rs. 1,60,000/-	Completed
4	Dr. Madhur Kulkarni	Technical consultancy and product training to marketing and sales team	Epione Pharmaceuticals Pvt. Ltd, Pune	Rs 20,000/-	Completed
5	Dr. Anagha Joshi, Dr. Ramesh Katedeshmukh	Development of veterinary formulations	Adesean Laboratories Pvt. Ltd	Rs. 30,000/-	Completed

25. Faculty selected nationally / internationally to visit other laboratories institutions / industries in India and abroad

Dr. Madhur Kulkarni was invited by Health Ministry of Fiji to participate as a clinical pharmacist during cardiac surgery camp conducted in February and June 2016 at Colonial War Memorial Hospital, Suva, Fiji.

Sr. No.	Name of the faculty	Name of the laboratory/ industry visited
1	Dr. Madhur Kulkarni, Dr. Ramesh Katedeshmukh	Serum Institute of India, Pune, Loreal India Pvt., Ltd., Pune, Glenmark Pharmaceuticals Pvt.Ltd., Goa, Indoco Remedies Pvt.Ltd, Goa, Unichem Laboratories Ltd, Goa, Blue Cross Pharmaceuticals Pvt. Ltd., Goa, ACG Technologies Pvt. Ltd, Pune
2	Dr. Madhur Kulkarni	Gansons Pvt. Ltd., NexGen Healthcare Pvt.Ltd, Mumbai, Nicholas Piramal Healthcare Pvt.Ltd. Mumbai

Apart from the recent visits to above mentioned industry,

- Dr. Ramesh Katedeshmukh and Dr. Madhur Kulkarni have extensive work experience in the industry. Dr. Katedeshmukh ran his own pharma manufacturing unit “Epic Pharmaceuticals Pvt. Ltd” in Satara, Maharashtra for 25 years where solid, liquid and semisolid dosage forms were manufactured.
- Dr. Madhur Kulkarni worked in production department of Burrhough Wellcome India Pvt. Ltd. and formulation development department of Lyka Labs Ltd, Ethypharm Pvt. Ltd. She got an opportunity to work with New Image International, a nutraceutical and dietary supplement based company in New Zealand wherein she got a valuable experience in the field of Quality control and regulatory aspects of nutraceuticals and dietary supplements. She was later on associated with New Image International,(India) Pvt. Ltd and was involved in regulatory aspects, technical and scientific training of the products.

26. Faculty serving in**a) National committees**

Sr. No.	Name of the Faculty	Membership Details	Designation
1	Dr. Anagha Joshi	Association of Pharmaceutical Teachers of India	Western Regional Co-ordinator
		Committee for the Purpose of Control And Supervision of Experiments on Animals (CPCSEA)	Member
		Controlled Release Society	Member
		Maharashtra State Pharmacy Council Registration No. 49243	Member
		Indian Pharmaceutical Association (IPA)	Member
2	Dr. Ramesh Katedeshmukh	Association of Pharmaceutical Teachers of India Registration No. MA/LM-781	Member
		Maharashtra State Pharmacy Council Registration No. 81557	Member
		Indian Pharmaceutical Association (IPA)	Member
3	Dr. Madhur Kulkarni	Indian Pharmaceutical Association (IPA) Registration No. MAH/MUM/ LM/0686	Member
		Controlled Release Society Registration No. ACD-1608	Member
4	Mr. Yogesh Pawar	American Association of Pharmaceutical Scientists	Member
		Indian Pharmacy Graduates' Association	Member
5	Mr. Amir Shaikh	Maharashtra State Pharmacy Council Registration No. 95447	Member
		Association of Pharmaceutical Teachers of India Registration No. MA/LM-1616	Member

b) International committees➤ **NIL****c) Editorial Boards**

Sr. No.	Name of the faculty	Journal	Designation
1.	Dr. Anagha Joshi	Arabian Journal of Chemistry International Journal of Pharmacy and Pharmaceutical sciences	Reviewer Reviewer
2.	Dr. Dayanand Kannur	Journal of Natural Remedies Asian journal of Pharmaceutics Current Nutrition and Food Science African Journal of Phytomedicine	Member- Editorial Board Reviewer Reviewer Reviewer Reviewer

d) any other (specify)

➤ Nil

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Sr. No.	Name of the Organization	Particulars	Faculty attended
1	ACG world technologies	On site one day training on "a step towards quality by design"	Dr. Madhur Kulkarni Ms. Vishakha Hastak Mr. Yogesh Pawar Mr. Amir Sheikh
2	Indian Society of Technical Education	One week short term training programme on Analytical Instrumentation	Ms. Archana Karnik Ms. Manasi Wagdarikar
3	Anchrom Instruments Pvt. Ltd.	HPTLC hands on training program	Dr. Dayanand Kannur
4	Colorcon Asia Pvt. Ltd	Modified Release Forum	Dr. Madhur Kulkarni
5	CRS India Chapter	One day International Workshop on Topical Dermatological Dosage Forms	Dr. Madhur Kulkarni
6	Sinhagad Institute of Pharmacy	International seminar on Pharmaceuticals to Neutraceuticals : A pragmatic Approach	Dr. Madhur Kulkarni

7	Ethnopharmacological society of India	International Conference On advances in Asian medicine symposium on Ethnopharmacological validation of Traditional Medicine	Dr.Madhur Kulkarni
8	Aditya Birla Memorial Hospital	ABMH Pharmacon 2015 On Pharmacy & Medication	Dr.Madhur Kulkarni
9	D.Y. Patil Institute of Pharmacy,Akurdi	Nutraceuticals : An emerging Drug Delivery system "	Dr.Madhur Kulkarni
10	Allana College of Pharmacy	National Level Seminar on Emerging Trends in Pharmaceutical R & D & Drug discovery	Dr.Madhur Kulkarni
11	APTI 2014	Emerging Trends in Pharmacy Profession & Education"	Dr.Madhur Kulkarni Dr. Ramesh Katedeshmukh Mr. Yogesh Pawar Mr. Amir Shaikh
12	Disso Asia	International symposium 2014	Dr.Madhur Kulkarni
13	Merck Consumer Health Ltd	Merck Idea Camp	Dr. Madhur Kulkarni
14	Modern College of Pharmacy	Understanding the Credit & GPA system	Dr. Madhur Kulkarni
15	Pad. Dr. D.Y.Patil College of Pharmacy, Akurdi, Pune.	1.AICTE sponsored two weeks Faculty Development Programme on Role of Industry and Institute Interface for Academic Excellence in Pharmacy (Nov-Dec.2013) 2. Savitribai Phule Pune University sponsored Two days National Seminar on ‘ Nutraceuticals : An Emerging Drug Delivery System’. (16-17 Feb. 2015)	Dr.Ramesh Katedeshmukh
16	BCUD ,University of Pune,	1. Innovation-2013, Regional Research Conference 2. Innovation -2014, Regional Research Conference	Dr.Ramesh Katedeshmukh
17	PES's Modern	One Day Workshop on	Dr.Ramesh Katedeshmukh

	College of Arts, Science and Commerce in association with Savitribai Phule Pune University, Pune	'Graduation Ceremony'	Dr. Dayanand Kannur
18	Controlled Release Society	14th international symposium on "Advances in Technology and potential of new drug delivery system"	Roopal Bhat
19	Drug Information Association	9th Annual India Conference " The future of Indian Helthcare : Patient, Access and Innovation"	Roopal Bhat

28. Student projects – in house/ industrial

- Percentage of students who have taken up in-house projects including inter-departmental projects:

Academic Year	% of students who have taken up in-house projects
2013-14	42.3
2014-15	75
2015-16	7.15

- Percentage of students doing projects in collaboration with other universities / industry / institute:

Academic Year	% of students who have taken up industrial projects
2013-14	57.3
2014-15	25
2015-16	92.85

29. Awards / recognitions received at the national and international level by Faculty

Sr. No.	Award Title	Faculty	Year	Conferred by
1	Winner of World Pharmacist Day competition	Dr. Madhur Kulkarni	2016	Indian Pharmaceutical Association
2	Winner of oral presentation competition in segment of Pharmacognosy	Dr. Dayanand Kannur	2016	International Conference on Advances in traditional Medicine
3	Best Paper presentation	Mr. Yogesh Pawar	2016	ABMH Pharmacon

Doctoral / post-doctoral fellows

➤ NIL

Post graduate Students

Sr. No.	Award Title	Students	Year	Conferred by
1	1 st rank- IPR-case study competition	Rucha Bende, Alpesh Patil, Vaibhav Shingare	2016	Indira Pharma Zeal
2	2 nd rank- IPR- case study	Neha Singh, Dipali Vedpathak, Shrikant Potdar	2016	Indira Pharma Zeal

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sr. No.	Year	Topic	Funding Agency	Chief Guest
1.	2012-2013	Clinical Research- Past, Present, Future	Savitribai	Dr Jayashree Todkar
2.	2013-2014	Emerging Trends in Pharmaceutical Research	Phule Pune	Dr S.S.Jadhav

3.	2014-2015	Bridging the gap between Academia and Industry: A challenge!	University	Mr Subodh Priolkar
4.	2015-2016	Quality by Design: A breakthrough pathway for effective product lifecycle management		Dr. Bhupinder Singh Bhoop Professor & Chairman. UIPS, Punjab University, Chandigarh
5.	2016-2017	Leveraging of IPR for opportunities in Pharma-Industry		Dr. Mohan Kulkarni, Emeritus Scientist, CSIR, Unit for Research and Development of Information Products (URDIP), Pune

31. Code of ethics for research followed by the departments

The induction program is given to post graduate students wherein the institute imparts Pharmacy Oath to the students to assertively convince them and make them realize that the profession that they have taken up is highly noble and with this profession they should be able to serve the community in the form of offering genuine healthcare.

Research students during the course of their academics are particularly explained about plagiarism and why and how should they avoid it. They are also taught about the copy right protection and the legalities involved while copying any table or figures from literature. The ideals of originality, morality and secrecy (in case of patentable work) are imbibed in them. Faculty members constantly indicate the importance of data integrity to the students during the research.

Students are advised to maintain a log book of their daily activities wherein they are supposed to write their study observations along with the date of conduct of experiments. They also maintain the log books of instrument and equipment utilization from time to time. This reflects their extent of work as well as utilization of the particular facility. Research guides check their log books on weekly basis for the correctness of calculations/ observations.

Students are also asked to submit their research reports on monthly basis to the HOD of Pharmaceutics department which are scrutinized thoroughly for assessing the progress of research work. We at our institute also conduct seminars for the research

students wherein they are made to present the work relevant to their research topic from high impact factor journals. This inspires them to conduct their work in better and more scientific manner as well as verses them with technical writing. We insist that our students should publish their research work in research journals of repute.

32. Student profile program-wise :

PG- M. Pharm (Pharmaceutics)

Name of the Program	Applications Received	Selected		Pass Percentage	
		Male	Female	Male	Female
M. Pharm.					
2013-2014	07	06	01	100	100
2014-2015	18	12	06	100	100
2015-2016	10	05	05	100	100
2016-2017	13	06	07	100	100

33. Diversity of students

Name of the Program	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M. Pharm.				
2013-2014	100	-	-	-
2014-2015	100	-	-	-
2015-2016	70	30	-	-
2016-2017	77	23	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Sr. No.	Name of the Student	Exam
1	Mr. VitthalJadhav	GPAT- 2015
2	Mr. Mahesh Kalamkar	GPAT- 2015
3	Ms. Sandhya Anupuram	GPAT- 2015
4	Mr. Rahul Gaikwad	GPAT-2015

35. Student progression

Year	PG to Ph.D.	Employed	Campus selection	Other than campus recruitment Entrepreneurs
2015-2016	-	7	-	7
2014-2015	-	6	-	6
2013-2014	-	14	6	-
2012-2013	01	16	-	16

36. Diversity of staff : Total Faculty for M. Pharm 15

Of the same university	From other universities within the State	From universities from other States	From universities outside the country
00	66.66	33.33	00

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Year	Ph. D. during the assessment period
2016-2017	01
2015-2016	--
2014-2015	--
2013-2014	--
2012-2013	-

**38. Present details of departmental infrastructural facilities with regard to
a) Library**

Sr. No.	Particular	Availability
1.	Total area of the library	171.87 Sq. M.
2.	Seating capacity of the library	85
3.	Reprographic facility	YES
4.	Working hours of Library	8.30 a.m. to 6.00 p. m.

5.	Library networking facility	YES
6.	Usage data of the library (in terms of books issued to the faculty & students etc.)	Approx. 200 books per day
7.	Annual library budget (% of annual student fee collected)	2.5%

Sr. No.	Course	Total Number of Titles	Total Number of volumes	Number of Journals	
				National	International
1	B. Pharm	1437	7623	11	DELNET 68 E- Journals
2	M. Pharm Pharmaceutics	174	730		
3	Pharm. D.	314	1690		
Total		1925	10043	11	

b) Internet facilities for staff and students

Sr. No.	Configuration	Quantity
1.	Intel PIV 2.66 GHz ,256/512 MB RAM, 1 GB RAM, 80 GB HDD, Logitech K/B & Mouse, Samsung Monitor	22
2.	Intel PIV 2.93 GHz, 256 MB RAM, 80 GB HDD,K/B, Mouse, Monitor HCL	03
3.	Intel PIV 3.0 GHz, 256 MB DDR RAM, 80 GB HDD, K/B Mouse Logitech, Samsung Monitor	05
4.	VIP 703 BATTX SMPS 450 CABINET/Intel 3.0 GHz,40 GB 256/512 MB RAM, 1 GB RAM HD 15'' LG Monitor, Logitech keyboard & optical mouse	16
5.	Intel Pentium Dual Core 2 GHZ,512MB DDR,80 GB SATA Hard Disc Logitech USB optical mouse	03
6.	Intel G31 Chipset,Core2Duo E4600 2.4 GHz 2MB CACHE 800	10

	MHz ,1 GB DDR2 SDRAM 80 GB SATA HDD. Logitech kbd. & mouse. 17'' TFT & 15''	
7.	Thincentre Lenovo 3492 Core I3-3210/3 rd Gen/2 GB DDR3 RAM,500GB HDD/DVD RW LED Monitor	01
8.	HP 202 G2 MT Intel Core I5-4570T 2.9G 4M HD 460 CPU 4GB DDR3 RAM 500GB HDD USB KYBD/Mouse LED Monitor	05
9.	Lenovo 10ASA06WIH/Intel Core I3,4 GB RAM,500GB HDD,3/3/3 HDD 18.5'/E73/monitor;USB Kybd & Mouse	02
10.	Laptop	03
Total		70

Sr. No.	Others	Quantity
1.	Printer	09
2.	LCD	05
3.	Access Point	02
4.	Internet (LAN Connection)	50 MBPS

c) Licensed System Softwares

Sr. No.	Others	Quantity
1.	Microsoft Windows 10	Used for Client Desktop
2.	Microsoft Server 2012	Used for Servers Ex.DC,ADC,SCCM,TMG
3.	Microsoft server 2008	Used for Servers Ex.Wifi DC,ADC, Library Server
4.	Microsoft Windows 7	Used for Client Desktop
5.	Windows 8/8.1	Used for Client Desktop
6.	FortiOS	Used For Firewall Server

d) Licensed Application Software

Sr. No.	Others	Quantity
1.	Microsoft VISIO	Used to design Eg. Network Diagram
2.	Microsoft System Center	Used for Microsoft updates on client

	Config. Management	machine
3.	Microsoft Project	Used for developing plans, assigning resources, managing budgets.
4.	Microsoft SQL Server 05/08	Used for Wireless User Database
5.	Microsoft TMG	Used as a Backup firewall
6.	Microsoft Forefront Antivirus	Used for Client Machines
7.	Slim Software	Library Software
8.	Expharm & other Simulator	Freeware for pharmacology students
9.	Forticloud Service 200GB online storage	Internet usage reports.
10.	Sanko Study	For Language Lab
11.	Tally ERP	Used For Account Department.
12.	People Power	ERP system for College.
13.	Microsoft Office	Includes word, excel, PowerPoint etc.
14.	Microsoft Visual Studio	Form design for Wireless Users.
15.	Acrobat Reader	Pdf freeware version
16.	7-Zip	For Zip Files. Open Source
17.	VLC Player	For Playing media files. Open Source
18.	JAVA	Java supporting website. Freeware
19.	Wireshark & Nmap	Network Scanning. Open Source

e) Total number of class rooms

Sr. No.	Room No.	Room Type	Area (Sq. Mt.)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
1.	102-I	Tutorial Room	33	Yes	Yes	Yes

f) Class rooms with ICT facility and 'smart' class rooms

Sr. No.	Room No.	Room Type	Area (Sq. Mt.)	LCD Projector
1.	102-I	Tutorial Room	33	Yes Smart TV

g) Students' laboratories

Sr. No.	Room No.	Room Type	Area (Sq. Mt.)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
1.	003-I	Communication Laboratory	56.88	Yes	Yes	Yes
2.	006-I	Pharmaceutics Lab - 1	91.24	Yes	Yes	Yes
3.	007-I	Pharmaceutics Lab - 2	91.24	Yes	Yes	Yes
4.	009-I	Pharmaceutics Research Lab- PG	76.33	Yes	Yes	Yes
5.	011-I	Industrial Pharmacy Lab (Machine Room)	81.07	Yes	Yes	Yes
6.	101-I	Pharm Micro. Biotech Lab	137.93	Yes	Yes	Yes
7.	106-I	Pharm Analysis Lab	75.56	Yes	Yes	Yes
8.	111-I	Central Instrument Room	74.66	Yes	Yes	Yes
9.	201-I	Pharmacognosy Lab	107.87	Yes	Yes	Yes
10.	203-I	Pharmacy Practice Lab- 1	75.24	Yes	Yes	Yes
11.	206-I	Pharm Chemistry Lab-1	91.24	Yes	Yes	Yes
12.	207-I	Pharm Chemistry Lab-2	91.24	Yes	Yes	Yes
13.	301-I	Pharmacology Lab	107.87	Yes	Yes	Yes
14.	304-I	Pharmacy Practice Lab- 2	91.24	Yes	Yes	Yes
15.	319-I	Animal House	80.85	Yes	Yes	Yes

h) Research laboratories

Sr. No.	Room No.	Room Type	Area (Sq. Mt.)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
1.	009-I	Pharmaceutics Research Lab- PG	76.33	Yes	Yes	Yes

39. List of doctoral, post-doctoral students and Research Associates**a) From the host institution/university-**➤ **NIL****b) From other institutions/universities**➤ **NIL****40. Number of post graduate students getting financial assistance from the university.**

Sr. No.	Name of the Student	Course	Scholarship for	Funding Agency
1	Mr. Vitthal Jadhav	M. Pharm.	GPAT- 2015	AICTE
2	Mr. Mahesh Kalamkar	M. Pharm.	GPAT- 2015	AICTE
3	Ms. Sandhya Anupuram	M. Pharm.	GPAT- 2015	AICTE

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

The parent body reviewed the reports published by agencies like Mckinskey, Earnst and Young etc, for understanding demand of trained manpower. Also they reviewed the admission status of the program for last 2 years. Based on this, they decided to establish postgraduate program.

42. Does the department obtain feedback from**a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

The institute follows the curriculum designed by Savitribai Phule Pune University. Few senior faculty members are involved in SPPU meetings regarding syllabus designing and revision. The feedback of faculty on curriculum, its scope , applicability and problems faced if any during delivery is taken during faculty meetings and conveyed to the university 'Board of Studies' members.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Student's feedback is received regarding faculty performance and evaluated on different parameters. This feedback is collected by the feedback committee constituted of three faculty members. The faculty performance is analyzed on the scale of 1 -10. This feedback is shared with the concerned faculty member so that necessary improvements can be done. The compiled feedback report is presented to the principal. The faculty members with poor feedback are guided by the principal and the respective head of the department for special efforts towards improvement.

c) Alumni and employers on the programs offered and how does the department utilize the feedback?

The feedback of the alumni, parents and employers is collected at the end of the course every year. The suggestions are considered and addressed for improvements. These feedbacks help to find the loopholes in and expectations from the teaching learning processes. Necessary actions are taken according to the feedbacks and suggestions for betterment of education practices followed in the institute.

43. List the distinguished alumni of the department (maximum 10)

Sr. No.	Name of the Alumni	Organization	Current Designation
1	Mr. Prashant Jadhav	IPCA laboratories, Athal	Quality Management Systems- Productions
2	Mr. Sumit Pulate	Emcure Pharmaceuticals Pvt.Ltd,Pune	Parenteral manufacturing executive
3	Mr. Anup Mahapurkar	Glenmark, Mumbai	R&D officer
4	Mr. Chaitanya Asnare	IPCA laboratories Pvt.Ltd.,Mumbai	Executive formulation development
5	Ms. Foram Gandhi	Novel Laboratories, Inc. Lupin, USA	QC chemist
6	Ms. Komal Gupta	WIPRO Infotech, Delhi	Pharmacovigilence Associate

7	Mr. Arjun Mehta	CREST	Scientific Medical Writer
8	Mr. Pathikkumar Maravaniya	Cadila Pharmaceuticals	Product Manager
9	Mr. Rohan Jamadar	Macloeds pharmaceuticals	R&D officer
10	Mr. Sunil Kolhe	PTST Mandal's Pharmacy College, Manwat	Faculty

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Sr. No.	Name of the speaker	Designation and Organization
1.	Dr. Mohan G. Kulkarni	Emeritus Scientist, CSIR URDIP, Pune
2.	Mrs. Aasiya Choudhary	Deputy Manager- Intellectual Property, Enzene Biosciences Ltd., Pune
3.	Dr. Vijaya Desai	General Manager, Lupin Ltd. Pune.
4.	Mrs. Shrividya Ravi	Patent Associate at Gnanlex Hermeneutics Pvt. Ltd, Pune
5.	Ms. Pallavi Kharkar	Founder of Ipram, Intellectual Property services, Mumbai
6.	Dr. Sanjay Tamoli	Abhinav Health Care Products Pvt. Ltd Mumbai
7.	Mr. Vilas Bendre	Product Specialist (Pharma & Life Science) Nano Bio Process Division
8.	Dr. Vadlamudi Rao	President IPA, Director-St. Peter's Institute of Pharmaceutical Sciences
9.	Dr. Nitin Unkule	Founder Director, Kaivalya Yoga Institute
10.	Dr. Graham Nickolson	Professor and Dean, University of Technology Sydney, Australia
11.	Dr. SunitaBelgamwar	Coordinator, Maharashtra AYUSH industry cluster.
12.	Dr. Suresh Kumar	Manager, Johnson and Johnson Ltd.
13.	Dr. Medha Joshi	Asst. Prof, Midwestern University, Chicago, USA
14.	Mr. R. B. Joshi	Ex-Asst. FDA Commissioner, Maharashtra
15.	Mrs. Indrani Kakade	Director Operations, Cognizant Life sciences
16.	Mr. Shailesh Laul	Vice President Manufacturing, Glenmark Generics Limited, Goa.

17.	Dr. R.K Nanda	Emeritus Professor, Pad. Dr. D.Y. Patil Institute of Pharmaceutical Sciences & Research, Pune
18.	Mr. Avinash Kulkarni	CEO-PAN Health Inc., USA
19.	Dr. JayeshParmar	Formulation Manager, Colorcon Pvt. Ltd., Mumbai
20.	Dr. KaustubhTambavekar	Formulations Manager, Jansen Cilag
21.	Dr. SeemaSonis	Nutritionist
22.	Mr. Pradeep Khose	Zonal Manager, Troikaa Pharmaceuticals
23.	Mrs. BhavikaTambavekar	Independent consultant-Pharma Regulatory affairs
24.	Mrs. Manjiri Joshi	Director, UKATT Consultancy Services, Pune
25.	Dr. VrushaliWaknis	Research Investigator, Bristol Meyers Squibb , New Jersey, USA
26.	Mr. Bharat Ketkar	Personal Motivator and consultant, Pune
27.	Ms. Merlin Fernandes	Executive-Administration, Career Versity, Pune
28.	Dr. Bhupinder Singh Bhoop	Chairman and Dean –UDPS, Panjab University, Chandigarh
29.	Dr. Serwar Beg	Research Fellow, Panjab University
30.	Dr. Naveen Ahuja	Head-QBD, Lupin Research Park, Pune
31.	Dr. Rahul Aware	Technical Manager, ACG Technologies Ltd
32.	Mr. Mahesh Fukey	Director –R &D, Lupin Research Park, Pune
33.	Dr. AbhijeetGothoskar	Global Product Development consultant
34.	Mr. Bimal Kumar Kesh	Training Manager, Q Sutra, Minitab
35.	Mr. SubodhPriolkar,	Managing Director-South Asia, Colorcon Pvt. Ltd.
36.	Dr. Vijay Patil	Senior Associate Director, Wockhardt research Centre, Aurangabad
37.	Dr. Thomas Mueller	Managing Director, AUXILIFE Scientific Services Pvt. Ltd., Pune
38.	Mr. SachinUmalkar	Director, Acclimate Pharmaceuticals, Ltd, Pune Director, RUV Pharma, Pune
39.	Mr. UdayBorde	Director, RUV Pharma, Pune
40.	Mr. Suresh Jain	Senior Manager -H R, Emcure Pharmaceuticals Ltd., Pune
41.	Mrs. Anagha Chaphalkar	Human Resources, Cytel, Pune
42.	Mr. VinitJhamawar	Human Resources, L'Oréal India, Pune
43.	Dr. Sanjay Boldhane	Associate Director –IDDR, Abbott Healthcare Pvt. Ltd
44.	Dr. AmeetaKarnik	Technical Director, Pell Tech Healthcare
45.	Mrs. Sonali Gujar	General Product Quality Manager, Johnson & Johnson Ltd.
46.	Mr. Ashish Babtiwale	Director –Pharma Operations, Virchow Labs Ltd.

47.	Mr. R. B. Joshi	Asst. Commissioner, Maharashtra FDA.
48.	Mrs. Sandhya Shenoy	Sr. GM, Pharmaceutical Technology Centre -Mumbai, Cadila Healthcare Limited
49.	Dr. SambhajiPisal	Sr. Scientist , Serum Institute of India, Pune
50.	Dr. DnyandeoRane,	R & D Head ,Optimus Pharmaceuticals, Hyderabad
51.	Mr. SougataPramanick	R&D (Formulations), Emcure Pharmaceuticals, Pune.
52.	Dr. Evans Coutinho	Professor, HOD, Pharmaceutical Chemistry Bombay College of Pharmacy, Mumbai.
53.	Dr. Chirag Trivedi	Deputy Director –Project Management and Strategic Initiatives in the Clinical Study Unit of Sanofi, India

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Sr. No	Innovative method	Impact & Outcome
1	Z to A approach	Application oriented technique
2	In–Semester Continuous assessment	Continuous learning process and better understanding of subject
3	Seminars and Quiz	Value added subject grasping
4	Case Studies for M.Pharm	Problem solving approach is enhanced
5	Free-lance techniques	Self-learning enhancement
6	Market research based practical designs	Self-motivation and entrepreneurship attitude building
7	cGMP and US FDA environment exposure	Better understanding of the Global regulatory atmosphere
8	Students debate	Joyful learning, self-learning and confidence building
9	Journal Club	Discussion on high impact factor journals and publication process. Students get better research orientation and improvement in technical writing.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Educational Objectives	Learning Methods	Assessment (principles, methods and practices)
Thorough Subject Knowledge	<ul style="list-style-type: none"> ➤ Conduct of regular academics(Lectures and Practicals) ➤ Library and e-knowledge resources ➤ Guest lectures and seminars ➤ Assignment and projects ➤ Conduct of special drives 	<ul style="list-style-type: none"> ➤ In-semester continuous assessment. ➤ Sessional Examinations ➤ End semester examination ➤ Students Feedback ➤ Corporate Feedback ➤ Viva-voce
Practical Skill Development	<ul style="list-style-type: none"> ➤ Conduct of regular practicals ➤ Maintenance of record books ➤ Instrumentation handling ➤ Inculcate Good Laboratory Practices ➤ Design and conduct practicals based on the current emerging topics ➤ Hands on experience on various sophisticated techniques 	<ul style="list-style-type: none"> ➤ In-semester continuous assessment. ➤ Sessional Examinations ➤ End semester examination ➤ Students Feedback ➤ Corporate Feedback ➤ Viva-voce
Develop Professional Pharmacist	<ul style="list-style-type: none"> ➤ Industrial visit ➤ Hands on training on sophisticated instruments ➤ Industrial training ➤ Collaborative research projects ➤ Industrial Projects 	Research report evaluation and presentations
Inculcate research and Development acumen	<ul style="list-style-type: none"> ➤ Assign and execute various research projects ➤ Journal club activity ➤ Case studies ➤ Utilization well equipped pilot plant (IPL) ➤ Sessions on Research methodology ➤ Participation in seminars and workshops organized in different institutes. ➤ Certificate courses related to regulatory aspects 	<ul style="list-style-type: none"> ➤ Poster presentation, research paper publication ➤ Seminar presentation ➤ Filing of patents ➤ Regular evaluation of students through In-semester continuous assessment, Sessional and End semester examinations. ➤ Viva-voce ➤ Publication in reputed journals.

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Goals	Objectives	Activities	Outcomes
Quality Education, Professional and social development	Quality Pharmacist, Multi-faceted development, Pharmaceutical research Personality development	Regular pre planned lectures and practical with advanced teaching methods and facilities. Regular counseling of the students by faculty. Extracurricular and co-curricular activities Community services.	Students become knowledgeable and responsible Pharmacists with moral, ethical values and good etiquettes , so that they can give good service to the society.
Research and higher Education	Seminars, workshops, Training and conferences. Industry academic -Interaction Pharmaceutical research State of art services and consultancy Innovative educational Endeavors Good research projects	The institute provides good research facilities and research environment so the they can use their innovative mind in research which will helpful for the mankind Industrial projects Collaborative research	Students can think out of the box for innovative practices. So that they can apply their innovative mind for the benefit of the public health and society. Development of research acumen Publication in reputed journals. Patent Filing

47. Highlight the participation of students and faculty in extension activities.

The college sensitizes faculties and students about social responsibilities through counseling, orientation programs conducted by the Principal and faculty members. Eminent personalities from the society like Commissioner of Police, Army personnel, who motivate and create awareness amongst the students and faculty members.

From the inception of ICP, our students and faculty members being responsible pharmacist, have enthusiastically organized / participated in the following social drives.

- Team ICP conducted a mass cleanliness drive with a motto of 'Plastic Free India' in collaboration with Pimpri Chinchwad Municipal Corporation.
- ICP Students participated in the Pulse Polio campaign in collaboration with Health Department Central Government of India
- Girl students Participated at FICCI F10 fund raiser marathon to support the cause of women empowerment through increasing employment and encouraging entrepreneurship.
- ICP Students conducted a mass communication program in and around Pune for awareness about Dengue, in collaboration with Pune Municipal Corporation.
- ICP students participated with enthusiasm in Marathon for Breast Cancer awareness organized by Prashanti Cancer Care Mission.
- Our students, to fulfill their social commitment, participated in Voters awareness and motivation drive in PMC elections.
- Students of ICP conducted a mass communication program in and around Pune for awareness about Swine Flu, in collaboration with Pune Municipal Corporation.
- Pharmacy students participated with great enthusiasm in Pune Marathon, with a theme of – Race against HIV-AIDS.
- Pharmacy students carried an awareness drive for prevention of *Chikanguniya* in nearby villages of Pune.
- Our students performed street play on anemia and its causes/remedies etc. at hemoglobin detection camp for school children.
- Pharmacy students were a leading force in an environment rally '*My Earth My Valentine*' which created awareness regarding environmental protection, which was organized by Indira Group of Institutes.

48. Give details of “beyond syllabus scholarly activities” of the department.

We believe that our students are the future building blocks of pharmaceutical industry and pharmacy profession as a whole. To enable them to shoulder this big responsibility, they should have strong academic and professional base. This base cannot be developed by mere theoretical learning. The real professional attitude can be built into them by giving them continuous exposure to industry and market which need not be mentioned in the syllabus. To achieve this objective, our institute does following activities

- To arrange for the industrial visits to understand large scale manufacturing of parenteral, solid dosage forms, liquid orals, semisolids and cosmetics,
- To organize industrial tours wherein they are acquainted with all the operations of pharmaceutical industry including manufacturing, packaging, QA/QC, regulatory, utilities, effluent treatment aspects
- To send the students to research and development centers of reputed pharma companies in order to take up 6 months research projects allotted by the company. This exercise abreast the students of industrial protocols followed for the formulation development and evaluation and thus make the students more employable.
- To conduct collaborative research projects with industry where the research proposals designed by the faculty are carried out in the industry. The student gets exposure to handle special facility or equipment that may not be available at the institute. This makes the student well versed with latest technology and also enhances his/her chances of employability.
- The Industry-Institute Partnership Cell and the Guest Lecture seminar committee identify the thrust areas and the topics of prime importance and experts from the industry and academia are invited to deliberate and deliver knowledge to the student community.
- To organize Certificate programs and training programs for the students in order to confer skill sets and a detailed knowhow in specialized areas like IPR, C-GMP, advanced technologies like fluid bed coating, granulation, tablet coating etc.
- To run journal club activity in the college to create awareness about research journals, publications and technical writing among students

In addition following sessions have been conducted:

- A specially designed program “Samvedana” is conducted by Prof. Mrs. Manasi Wagdarikar.
- Mr. Ajay Warhade from IIMP conducted a special workshop on “Responsibilities of youth in Nation building”.
- Prof. Ramesh Katedeshmukh delivered a talk on “The ethics in Pharma profession.”
- Prof. Mrs. Archana Karnik talked on “Importance of Positivity and happiness in Professional life”.
- Prof. Dr. Dayanand Kannur conducted a session on “A good human being- simple but a difficult task.”

- Prof. Dr. Suvarna Ingale conducted a workshop on “ Wellness of Women”.
- Ms. Sangeeta Deshpande gave a certificate program on “ Softskills development”



49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

- NOT YET.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Pharmacy is an applied science and we believe in generating new knowledge and innovations through research work on the already marked thrust areas. The new knowledge and solutions to unsolved problems are either published in reputed research journals or patented if have commerciability. Following tables highlight the contribution of the department towards generating new knowledge.

Sr. No	Name of the Faculty	National Journal	International Journal
1	Dr. (Mrs.) Anagha Joshi	04	09
2	Dr. Dayanand Kannur	01	12
3	Dr. Ramesh Katedeshmukh	00	16
4	Dr. Madhur Kulkarni	03	04
5	Mrs. Vishakha Hastak	00	04
6	Mr. Yogesh Pawar	00	12
7	Mr. Amir Shaikh	00	11

Sr. No.	Type of IPR	Name of the Inventor / Applicant/Author	Date of Filing Application No.	Title	Legal Status
1	Patent	Prof. Vishakha Hastak & Mr. Prashant Jadav	665/MUM/2014 25 th February, 2014	An orodispersible tablet and a process for preparing the same	Published
2	Patent	Dr. Anagha Joshi,	664/MUM/2015 25 th February, 2014	A novel Disolution medium and a process for analyzing the effect of alcohol on drug release pattern.	Published
3	Patent	Kiran Suryawanshi & Dr. Ramesh Katedeshmukh	3511/MUM/2014 7 th November 2014	A topical formulation for treating nail disorders	Published
4	Copyright	Dr. Madhur Kulkarni	9017/2015-CO/L	Redefining the World of Medicines	Published

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Qualified, experienced and dedicated faculty and support staff.
- Freedom to operate on novel ideas and ways
- Proactive Management with inclusive approach and pragmatic vision.
- State of art infrastructure with well-equipped laboratories and classrooms, Wi-Fi enabled campus and well stocked library with e resources.
- Vibrant Industry Institute Partnership Cell.

Weaknesses

- Constraint with respect to infrastructure for further expansion.
- Quality of incoming students.
- Location of the institution in non-residential area.
- Communication skills of students hailing from rural area.
- Less number of publications in high impact journals.

Opportunities

- To restart M. Pharm course in other specialties
- To start Ph.D center
- Establish communication center to enhance the communications skills.
- Strengthening of R& D Cell.
- Cashless campus.

Challenges

- Completion of syllabus in stipulated time.
- Recovery of fees from students as well as Social welfare department.
- To keep the students academically focused in the world of varied temptations.
- To meet the ever growing expectations of various stake holders.

52. Future plans of the department.

- To strengthen R & D activity and to fetch grants from various funding agencies.
- To initiate activities under the international collaborations.
- To further enhance the industrial collaborations.
- To start Ph. D. Center.

SHREE CHANAKYA EDUCATION SOCIETY'S
INDIRA COLLEGE OF PHARMACY

Approved by All India Council for Technical Education, and Pharmacy Council of India, New Delhi,
Recognized by Govt. of Maharashtra, Directorate of Technical Education (MS)
Affiliated to Savitribai Phule Pune University ID No. PU/PN/Pharmacy/258/2006



Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) is true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.



Ayesh
PRINCIPAL
Indira College of Pharmacy
Tathawade, Pune - 411 037

ANNEXURE

SHREE CHANAKYA EDUCATION SOCIETY'S
INDIRA COLLEGE OF PHARMACY

Approved by All India Council for Technical Education, and Pharmacy Council of India, New Delhi,
 Recognized by Govt. of Maharashtra, Directorate of Technical Education (MS)
 Affiliated to Savitribai Phule Pune University ID No. PU/PN/Pharmacy/258/2006



CERTIFICATE OF COMPLIANCE

This is to certify that Shree Chanakya Education Society's Indira College of Pharmacy, Pune fulfils all norms-

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 30/03/2017
 Place: Pune



Ayeb
PRINCIPAL
 Indira College of Pharmacy
 Tathawade, Pune - 411 037

Savitribai Phule Pune University

(Formerly University of Pune)

Telephone Nos. :
020 – 25691233
25601258
25601259
25601257



ACADEMIC SECTION
Ganeshkhind, Pune – 411007, INDIA
Telegraph : 'UNIPUNE'
Fax : 020-25691233
Website : www.unipune.ac.in
E-mail : dvracademic@unipune.ac.in

Ref. No. : CA/302

Date : 05/04/2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Shree Chanakya Education Society's Indira College of Pharmacy, Niramay 89/2-A, New Pune Mumbai Highway, Tathwade Tal.Mulshi, Pune 411033 is affiliated to the Savitribai Phule Pune University, since 2006 (PU/PN/Pharmacy/258/2006) and the following courses are taught in the said college as per approval.

Courses <u>Under Graduate</u>	Duration of the Course	Affiliation (Permanent / Temporary)	Validity Period
B. Pharmacy	04 Years	Permanent	From 2015-16

Courses <u>Post Graduate</u>	Duration of the Course	Affiliation (Permanent / Temporary)	Validity Period
M. Pharm (Pharmaceutics)	02 Years	Temporary	Upto 2016-17
Pharm D.	06 Years	Temporary	Upto 2016-17

The said certificate is issued as per the request application received from the Vice Principal of the college Ref. No.SCES/ICP/2016-2017/193, dated 04/04/2017 so as to submit it to the National Assessment and Accreditation Council (NAAC), Bangalore.

Dy. Registrar
(Academic Section)



All India Council for Technical Education
 (A Statutory body under Ministry of HRD, Govt. of India)
 7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Western/1-2809665168/2016/EOA

Date: 25-Apr-2016

To,

The Secretary,
 Tech. & Higher Education Deptt.
 Govt. of Maharashtra, Maritalaya,
 Annexe Building, Mumbai-400032

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Western	Application Id	1-2809665168
Name of the Institute	SHREE CHANAKYA EDUCATION SOCIETY'S INDIRA COLLEGE OF PHARMACY	Permanent Id	1-4154914
Name of the Society/Trust	SHREE CHANAKYA EDUCATION SOCIETY	Institute Address	"NIRAMAY", 89/2 A, NEW PUNE MUMBAI HIGHWAY, TATHAWADE, PUNE 411033, PUNE, Maharashtra, 411033
Institute Type	Unaided - Private	Society/Trust Address	FALT NO.1, RUNWAL SARITA, PLOT NO4., SR.NO. 25B/13, BALAJI PARK, BANER,PUNE,PUNE,Maharashtra,411007

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2809665168			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PO / PN / Gulf quota Approval status	Foreign Collaboration/Training Program Approval status
Program	Shift	Level								
PHARMACY	1st Shift	DIPLOMA IN PHARMACY	PHARMACEUTICALS	FULL TIME	University of Pune, Pune	18	15	NA	NA	NA

Application Number: 1-2809665168
 Note: This is a Computer generated Report.No signature is required.

Page 1 of 3
 Letter Printed On:26 April 2016

Printed By : aa2510191



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

		DUA TE								
PHARMACY	1st Shift	UND ER GRA DUA TE	PHARMACY	FULL TIME	University of Pune, Pune	60	60	NA	Yes	NA

The above mentioned approval is subject to the condition that SHREE CHANAKYA EDUCATION SOCIETY'S INDIRA COLLEGE OF PHARMACY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

- The Regional Officer,**
All India Council for Technical Education
Industrial Assurance Building
2nd Floor, Nariman Road
Mumbai - 400 020, Maharashtra
- The Director Of Technical Education,**
Maharashtra
- The Registrar,**
University of Pune, Pune
- The Principal / Director,**
SHREE CHANAKYA EDUCATION SOCIETY'S INDIRA COLLEGE OF PHARMACY
"NIRAMAY", 89/2 A, NEW PUNE MUMBAI HIGHWAY, TATHAWADE, PUNE 411033,
PUNE, PUNE,
Maharashtra, 411033
- The Secretary / Chairman,**
SHREE CHANAKYA EDUCATION SOCIETY
FALT NO.1, RUNWAL SARITA, PLOT NO4., SR.NO. 258/1/3, BALAJI PARK, BANER,
PUNE, PUNE,
Maharashtra, 411007

Application Number: 1-3809005168
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Page 2 of 3
Letter Printed On:26 April 2016



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

6. Guard File(AICTE)

Application Number: 1-2809665188
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Letter Printed On:26 April 2015

PHARMACY COUNCIL OF INDIA

(Constituted under the Pharmacy Act, 1948)

TELEGRAM : 'FARMCOUNCIL'
 TELEPHONE : 23239184, 23231348
 FAX No. : 011-23239184
 E-MAIL : pci@ndb.vsnl.net.in
 WEBSITE : www.pci.nic.in

Combined Councils' Building,
 Temple Lane, Kotla Road
 Aiwan-E-Ghalib Marg
 Post Box No.7020
 DELHI - 110 002

Ref.No.50-438/2015-PCI

1896469

Speed Post.

19 JUL 2016

✓ The Principal
 SCES's Indira College of Pharmacy,
 Niramay, Sr No.89/Z-A, New
 Pune-Mumbai Highway
Pune-411033 (Maharashtra)

The Registrar
 University of Pune,
 Ganeshkhind
Pune - 411 007 (Maharashtra)

Sub: Decision of 271st EC (July, 2016) of the PCI.

Sir/Madam

With reference to the subject cited above, please find enclosed herewith the decision taken by 271st Executive Committee of the PCI in its meeting held on 15th July, 2016 in respect of your institution. The same are posted on Council's website www.pci.nic.in also.

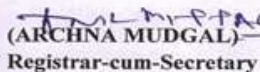
The recommendation of the Executive Committee will be placed in the next Central Council meeting of PCI for ratification.

For guidelines regarding "SIF submission last date" and "Affiliation fee", kindly refer to Council's website www.pci.nic.in

It is requested to follow the instructions of the PCI regarding submission of affiliation fee and Standard Inspection Form (SIF) within the stipulated time period as fixed by the PCI.

This is for information.

Yours faithfully


 (ARCHANA MUDGAL)
 Registrar-cum-Secretary

Cc to -

- The Registrar,
 Maharashtra State Pharmacy Council,
 E.S.I.S. Hospital Compound,
 Lal Bahadur Shastri Marg,
 Mullund (West)
Mumbai - 400 080 (Maharashtra)

- Please note that -

- the above approval granted by PCI is only for the conduct of "Course of Study".
- the said approval is -
 - not a final approval u/s 12 of the Pharmacy Act for the purpose of registration as a pharmacist.
 - State Pharmacy Council has not to register the students on the basis of above approval of "Course of Study".

...2

Minutes of 02.271st Executive Committee (EC) meeting of the Council held on 15th July, 2016 at Chennai (Tamil Nadu).

- * Consideration of the approval of Diploma / Degree / Pharm.D / Pharm.D (Post Baccalaureate) course and examination in pharmacy at the undermentioned institutions

It was decided to recommend to the Council to grant approval for conduct / extension of approval / u/s 12 of the Pharmacy Act, 1948 of Diploma / Degree / Pharm.D / Pharm.D (Post Baccalaureate) course and examination in pharmacy subject to the following conditions -

- the institution shall submit SIF every year as per the Time-Schedule prescribed by the Council.
- the institution shall submit annual affiliation fee on or before due date.
- the institution shall appoint the teaching faculty with the qualification and experience as prescribed under the "Minimum Qualification for Teachers in Pharmacy Institutions Regulations, 2014".

Besides above conditions, institutions seeking approval of Pharm.D / Pharm.D (Post Baccalaureate) course shall comply with the following conditions -

- The institution shall comply with the requirements of Pharm.D. Regulations, 2008 particularly regarding appointment of teaching staff, equipments and Hospital facility.
- Further the PCI recommends that Pharmacy Practice Faculty including HOD shall undergo at least 1 Continuing Education Programme / Training Programme of minimum 3 days duration every year and participation in atleast one seminar/conference every year.
- In view of above, please intimate per return of mail the number of such Continuing Education Programmes / Training Programmes / Seminar / Conference etc. attended by HOD and pharmacy practice faculty during the last one year with documentary evidence i.e. participation certificate etc.
- The institution to submit full compliance of the Pharm.D Regulations, 2008 as per following details:-

Training of HOD of Pharmacy Practice Department and Pharmacy Practice Faculty

The HOD & the faculty of Pharmacy Practice Department who are not qualified with M.Pharm Pharmacy Practice Qualification or Pharm.D Qualification and have other specialized training of qualification in the Pharmacy Practice Department, shall undergo the training as per Regulations 3 vi) of Appendix-B of Pharm.D Regulations, 2008. The following details be submitted -

- | | |
|---|--|
| <p>i) In respect of HOD of Pharmacy Practice Department</p> <ol style="list-style-type: none"> Name of HOD Designation Qualification at graduate level Qualification at PG level with specialization Name of Training Centre Duration of Training Nature of Training Sign of Principal | <p>ii) In respect of Pharmacy Practice Faculty of Pharmacy Practice Department</p> <ol style="list-style-type: none"> Name of Pharmacy Practice Staff Designation Qualification at graduate level Qualification at PG level with specialization Name of Training Centre Duration of Training Nature of Training Sign of HOD |
|---|--|
- The institution shall upload the details of students of Pharm.D./ Pharm.D (Post Baccalaureate) course separately as applicable on Council's website and the institutions website, year wise giving the following details -
 - Name of the Institution : _____
 - Name of the affiliating university : _____

:2:

c) Name of the hospital where the clerkship and internship is done : _____

S.No.	Name of Student	Father's Name	Date of Birth	Course : Pharm.D/ Pharm.D (PB)	Year of admission	University Registration No.	Year of Passing

Item No.79 to 84: * Consideration of the approval of Diploma / Degree / Pharm.D / Pharm.D (Post Baccalaureate) course and examination in pharmacy at the undermentioned institutions

<u>Item No. Course IR No.</u>	<u>State/ File No. Name of Institutions</u>	<u>For admns. Limited to</u>	<u>Approved for conduct of course/ u/s 12 / extension upto academic session</u>	<u>Name of the Examining Authority</u>	<u>Name of Hospital</u>
Item No.80 Pharm.D IR No.1 st (April, 2016)	MAHARASHTRA Pharm.D 50-438/2015-PCI SCES's Indira College of Pharmacy, Niramay Sr No.89/Z-A, New Pune-Mumbai Highway, Pune-411033.	30	For 2016-2017 for conduct of 1 st year (For Pharm.D.)	The Registrar Savitribai Phule Pune University (Formerly University of Pune) Ganeshkhind, Pune-411007.	Aditya Birla memorial hospital, Chinchwad, Pune.

D1 |

Decision of 99th CC (10th & 11th June, 2016) regarding approval of pharmacy institutions

*** Consideration of the approval of Diploma / Degree / Pharm.D / Pharm.D (Post Baccalaureate) course and examination in pharmacy at the undermentioned institutions**

It was decided to grant approval for conduct / extension of approval / u/s 12 of the Pharmacy Act, 1948 of Diploma / Degree / Pharm.D / Pharm.D (Post Baccalaureate) course and examination in pharmacy subject to the following conditions -

- the institution shall submit SIF every year as per the Time-Schedule prescribed by the Council.
- the institution shall submit annual affiliation fee on or before due date.
- the institution shall appoint the teaching faculty with the qualification and experience as prescribed under the "Minimum Qualification for Teachers in Pharmacy Institutions Regulations, 2014".

Besides above conditions, institutions seeking approval of Pharm.D / Pharm.D (Post Baccalaureate) course shall comply with the following conditions -

- The institution shall comply with the requirements of Pharm.D. Regulations, 2008 particularly regarding appointment of teaching staff, equipments and Hospital facility.
- Further the PCI recommends that Pharmacy Practice Faculty including HOD shall undergo at least 1 Continuing Education Programme / Training Programme of minimum 3 days duration every year and participation in atleast one seminar/conference every year.
- In view of above, please intimate per return of mail the number of such Continuing Education Programmes / Training Programmes / Seminar / Conference etc. attended by HOD and pharmacy practice faculty during the last one year with documentary evidence i.e. participation certificate etc.
- The institution to submit full compliance of the Pharm.D Regulations, 2008 as per following details:-

Training of HOD of Pharmacy Practice Department and Pharmacy Practice Faculty

The HOD & the faculty of Pharmacy Practice Department who are not qualified with M.Pharm Pharmacy Practice Qualification or Pharm.D Qualification and have other specialized training of qualification in the Pharmacy Practice Department, shall undergo the training as per Regulations 3 vi) of Appendix-B of Pharm.D Regulations, 2008. The following details be submitted -

- | | |
|---|--|
| <p>i) In respect of HOD of Pharmacy Practice Department ;</p> <ol style="list-style-type: none"> Name of HOD Designation Qualification at graduate level Qualification at PG level with specialization Name of Training Centre Duration of Training Nature of Training Sign of Principal | <p>ii) In respect of Pharmacy Practice Faculty of Pharmacy Practice Department</p> <ol style="list-style-type: none"> Name of Pharmacy Practice Staff Designation Qualification at graduate level Qualification at PG level with specialization Name of Training Centre Duration of Training Nature of Training Sign of HOD |
|---|--|

- The institution shall upload the details of students of Pharm.D./ Pharm.D (Post Baccalaureate) course separately as applicable on Council's website and the institutions website, year wise giving the following details -

- Name of the Institution : _____
- Name of the affiliating university : _____
- Name of the hospital where the clerkship and internship is done : _____

S.No.	Name of Student	Father's Name	Date of Birth	Course : Pharm.D/ Pharm.D (PB)	Year of admission	University Registration No.	Year of Passing

D1 103

<u>Item No. / Course / IR No.</u>	<u>State/ File No. / Name of institutions</u>	<u>For admsn. / Limited to</u>	<u>Approved for conduct of course/ n's 12 / extension upto academic session</u>	<u>Name of the Examining Authority</u>
Item No.317 Degree IR No.5th (April,2016)	GUJARAT 32-151/2012-PCI S.K. Patel College of Pharmaceutical Education and Research, Ganpat University, Ganpat Vidyanagar, Mehsana-Gozaria Highway, Kherva – 382 711, Ta. & Distt. Mehsana.	100	Extension upto 2020-2021	The Registrar Ganpat University, Mehsana-Gozaria Highway, Kherva – 382 711 Ta. & Distt. Mehsana.
Item No.318 Degree IR No.6th (April,2016)	GUJARAT 32-262/2013-PCI A.P.M.C. College of Pharmaceutical Education & Research, College Campus, Motipura, Himatnagar- 383001	60	Extension upto 2016-2017	The Registrar Gujarat Technological University, 2nd Floor, ACPC Building, L.D. College of Engineering Campus, Navrangpura Ahmedabad – 380 015.
Item No.319 Degree IR No.4th (April,2016)	MADHYA PRADESH 32-550/2015-PCI Institute of Pharmacy, Vikram University, Ujjain – 456 010.	60	Extension upto 2016-2017	The Registrar Vikram University Ujjain – 456 001.
Item No.320 Degree IR No.3rd (April,2016)	MAHARASHTRA 32-1083/2015-PCI Anjuman -I-Islam;s Kalsekar Technical Campus, School of Pharmacy, Plot-2&3, sector -16, Klundagaon, New Panvel, Navi Mumbai-410 026.	60	Extension upto 2018-2019	The Registrar University of Mumbai, M.G.Road, Fort, Mumbai - 400 032.
Item No.321 Degree IR No.4th (March,2016)	MAHARASHTRA 32-438/2016-PCI Indira College of Pharmacy, "Niramay" 89/2-A, New Pune Mumbai Highway, Tathwade, Pune – 33.	60	Extension upto 2018-2019	The Registrar, University of Pune Ganeshkhind Road Pune – 411 007.

F 1

F.No.02.274/2016-PCI

Minutes of 02.274th Executive Committee (EC) meeting of the Council held on 1st & 2nd February, 2017 (Wednesday & Thursday) at New Delhi. The decision are subject to ratification by central central Council of the PCI.

* Consideration of the approval of Diploma / Degree / Pharm.D / Pharm.D (Post Baccalaureate) / M.Pharm / B.Pharm (Practice) course and examination in Pharmacy at the undermentioned institutions

- A. It was decided to recommend to the Council to grant approval for conduct / extension of approval / u/s 12 of the Pharmacy Act, 1948 of Diploma / Degree / Pharm.D / Pharm.D (Post Baccalaureate) / M.Pharm / B.Pharm (Practice) course and examination in Pharmacy subject to the following conditions -
- the institution shall submit SIF every year as per the Time-Schedule prescribed by the Council.
 - the institution shall submit annual affiliation fee on or before due date.
 - the institution shall appoint the teaching faculty with the qualification and experience as prescribed under the "Minimum Qualification for Teachers in Pharmacy Institutions Regulations, 2014".

B. Besides above conditions, institutions seeking approval of Pharm.D / Pharm.D (Post Baccalaureate) course shall comply with the following conditions -

- The institution shall comply with the requirements of Pharm.D. Regulations, 2008 particularly regarding appointment of teaching staff, equipments and Hospital facility.
- Further the PCI recommends that Pharmacy Practice Faculty including HOD shall undergo at least 1 Continuing Education Programme / Training Programme of minimum 3 days duration every year and participation in atleast one seminar/conference every year.
- In view of above, it was decided to ask the institutions concerned to intimate the council per return of mail the number of such Continuing Education Programmes / Training Programmes / Seminar / Conference etc. attended by HOD and pharmacy practice faculty during the last one year with documentary evidence i.e. participation certificate etc.
- The institution to submit full compliance of the Pharm.D Regulations, 2008 as per following details:-

Training of HOD of Pharmacy Practice Department and Pharmacy Practice Faculty

The HOD & the faculty of Pharmacy Practice Department who are not qualified with M.Pharm Pharmacy Practice Qualification or Pharm.D Qualification and have other specialized training of qualification in the Pharmacy Practice Department, shall undergo the training as per Regulations 3 vi) of Appendix-B of Pharm.D Regulations, 2008. The following details be submitted -

- | i) In respect of HOD of Pharmacy Practice Department | ii) In respect of Pharmacy Practice Faculty of Pharmacy Practice Department |
|---|--|
| a) Name of HOD | a) Name of Pharmacy Practice Staff |
| b) Designation | b) Designation |
| c) Qualification at graduate level | c) Qualification at graduate level |
| d) Qualification at PG level with specialization | d) Qualification at PG level with specialization |
| e) Name of Training Centre | e) Name of Training Centre |
| f) Duration of Training | f) Duration of Training |
| g) Nature of Training | g) Nature of Training |
| h) Sign of Principal | h) Sign of HOD |

5. The institution shall upload the details of students of Pharm.D/ Pharm.D (Post Baccalaureate) course separately as applicable on Council's website and the institutions website, year wise giving the following details -

- | | | |
|--|---|-------|
| a) Name of the Institution | : | _____ |
| b) Name of the affiliating university | : | _____ |
| c) Name of the hospital where the clerkship and internship is done | : | _____ |

F 54

<u>Item No.</u> <u>Course</u> <u>IR No.</u>	<u>State/ File No.</u> <u>Name of institutions</u>	<u>Specialization</u> <u>approved by PCI</u>	<u>No. of</u> <u>adms.</u> <u>approved</u>	<u>Name of the Examining</u> <u>Authority</u>
Item No.147 M.Pharm IR No.1 st (Oct.,2016)	MADHYA PRADESH M.Pharm 60-293/2016-PCI Dr. Shri R.M.S. Institute of Science & Technology College of Pharmacy, Neemthur, Bhanpura Dist. Mandsaur-458775.	1. Pharmaceutics	9	The Registrar, Rajiv Gandhi Proudhyogiki Vishwavidyalaya Airport, Bypass Road, Gandhi Nagar, Bhopal – 462 036.
		2. Pharmaceutical Chemistry	12	
Item No.148 M.Pharm IR No.1 st (Oct.,2016)	MAHARASHTRA M.Pharm 60-438/2016-PCI Shree Chanakya Education Society's Indira College of Pharmacy, Niramaya, S.No.89/2A, New Pune Mumbai Highway, Tathawade, Pune – 411 033.	1. Pharmaceutics	15	The Registrar, Savitribai Phule Pune University, Ganeshkhind, Pune – 411 007.
Item No.149 M.Pharm IR No.1 st (Oct.,2016)	ANDHRA PRADESH M.Pharm 60-548/2016-PCI Nova College of Pharmacy, Vegavaram (V), Jangareddiguden (M), W.G. Distt. 534 447.	1. Pharmaceutics	15	The Registrar, Jawaharlal Nehru Technological University Kakinada - 533 003.
		2. Pharmaceutical Analysis	9	
Item No.150 M.Pharm IR No.1 st (Oct.,2016)	RAJASTHAN M.Pharm 60-405/2016-PCI Jaipur College of Pharmacy, ISI-15, RIICO Institutional Area, Sitapur, Tonk Road, Jaipur.	1. Pharmaceutics	15	The Registrar, Rajasthan University Health Sciences, Kumbha Marg, Sector-18 Pratap Nagar, Tonk Road, Jaipur.
		2. Pharmacology	15	

Savitribai Phule Pune University

(Formerly University of Pune)

Telephone Nos. :
020 - 25691233
25601258
25601259
25601257



ACADEMIC SECTION
Ganeshkhind, Pune - 411007, INDIA
Telegraph : 'UNIPUNE'
Fax : 020-25691233
Website : www.unipune.ac.in
E-mail : dyracademic@unipune.ac.in

Ref. No. : CA/207

Date : 13 /02/2016

To
The Principal,
Shree Chanakya Education Society's
Indira College of Pharmacy,
"Niramay", 89/2A, New Pune Mumbai Highway,
Tathwade, Tal- Mulshi, Pune - 411 033

Sub : Permanent Affiliation to the course under Pharmaceutical Sciences Faculty
from the Academic year 2015-16.

Sir,


I am directed to inform you that the University Authorities have been pleased to grant **Permanent Affiliation** to the following course as per Section 88 of the Maharashtra Universities Act 1994, from the Academic year 2015-16, subject to the terms & conditions laid down by the Savitribai Phule Pune University, Government of Maharashtra, University Grants Commission, New Delhi or any other regulatory authority's, decision enforced from time to time.

PHARMACEUTICAL SCIENCES FACULTY :

Sr. No.	Course	Intake
1	B. Pharmacy	60

Encl : photocopy of the report

Yours Sincerely,


13/2/16
for Registrar.

P.T.O.

दूरध्वनी क्रमांक :

०२०-२५६९११२३३
२५६०१२५७
२५६०१२५८
२५६०१२५९

15120029

सावित्रीबाई फुले पुणे विद्यापीठ
(पूर्वीचे पुणे विद्यापीठ)

 शैक्षणिक विभाग
गणेशखिंड, पुणे-४११००७.
टेलिफाफ : 'पुणेपुणे'
फॅक्स : ०२०-२५६९१२३३
वेबसाइट : www.unipune.ac.in
ई-मेल : gynacademic@unipune.ac.in
432
22/1/16

संदर्भ क्र.: सीयु/१५१३

दि.: १३/०६/२०१६

प्रति,

मा. प्राचार्य,

 चाणक्य एज्युकेशन सोसायटी इंदिरा कॉलेज ऑफ
फार्मेसी पंता: निरामय ८९-२ अ पुणे मुंबई हायवे
ताथवडे ता.मुळशी पुणे पिनकोड.४११०३३ ता.: मावळ
जि: पुणे

विषय:- अटीच्या पूर्ततेच्या पडताळणी अहवालबाबत...

महोदय,

वरील विषयासंदर्भात विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार आपणास कळविण्यात येते की, आपल्या महाविद्यालयास शैक्षणिक वर्ष २०१६-२०१७, या वर्षीकरिता खालील रकान्यात नमूद केलेल्या अभ्यासक्रमांच्या संलग्नीकरणाच्या नूतनीकरणारा / नैसर्गिकवाटीस अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली व तंत्रशिक्षण संचालनालय, महाराष्ट्र शासन यांचे अभ्यासक्रम व प्रवेश क्षमता मान्यतेच्या अधीन राहून अटी पूर्ततेचा पडताळणी अहवाल स्वीकारण्यात आलेला आहे.

शैक्षणिक वर्ष २०१६-२०१७ करिता अटी पूर्तता अहवालाचे पत्र देत असताना स्थानिक चौकशी समितीच्या अहवालात नमूद केलेल्या ज्या शिक्षकांच्या तदर्थ नेमणुका करण्यात आलेल्या आहेत अशा सर्व शिक्षकांना शैक्षणिक वर्ष २०१६-२०१७ मध्ये कायम ठेवण्यात यावे, तसेच याबाबत विद्यापीठामार्फत वेळोवेळी तपासणी करण्यात येईल.

अनु. क्र.	अभ्यासक्रमाचा तपशील	विद्यार्थी संख्या	प्रथमपाळी/द्वितीय पाळी	संलग्नीकरणाचा प्रकार
1	एम.फार्म. फार्मास्यूटिक्स	18	2016-2017 :- वर्ष प्रथम व द्वितीय- Div No.1.,	नूतनीकरण

कळावे,

आपला,

 १०/६/१६
उपकुलसचिव
शैक्षणिक विभाग
22/1/16

सावित्रीबाई फुले पुणे विद्यापीठ
(पूर्वीचे पुणे विद्यापीठ)

दूरध्वनी क्रमांक :
०२०-२५६९१२३३
२५६०१२५८
२५६०१२५९



शैक्षणिक विभाग
गणेशखिंड, पुणे-४११ ००७
टेलिग्राफ : 'युनिपुणे'
फॅक्स : ०२०-२५६९८००७
वेबसाइट : www.unipune.ac.in
ई-मेल : dvracademic@unipune.ac.in

संदर्भ क्र. : सीए/२३८

दिनांक : २१/०३/२०१७

प्रति,

मा. प्राचार्य,
श्री चाणक्य एज्युकेशन सोसायटीचे,
इंदिरा कॉलेज ऑफ फार्मसी,
'निरामय' ८९/२-ए,
न्यु पुणे मुंबई हायवे, ताथवडे, पुणे ३३

विषय : अटीच्या पूर्ततेच्या पडताळणी अहवालाबाबत...

महोदय,

वरील विषयासंदर्भात विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार आपणास कळविण्यात येते की, आपल्या महाविद्यालयाचा शैक्षणिक वर्ष २०१६-१७ या एक वर्षाकरिता खालील रकान्यात नमूद केलेला अभ्यासक्रम नव्याने कायम विनाअनुदानित तत्वावर सुरु करण्याच्या अहवालातील अटीच्या पूर्ततेचा पडताळणी अहवाल स्विकारण्यात येत आहे.

अनु. क्र.	अभ्यासक्रमाचा तपशील	विद्यार्थी संख्या	प्रथमपाळी/द्वितीय पाळी	संलग्नीकरणाचा प्रकार
१	फार्म डी.	३०	प्रथम वर्ष	नवीन अभ्यासक्रम

कळावे,

आपला,

उपकुलसचिव
(शैक्षणिक विभाग)



UGC Website: www.ugc.ac.in
Ph. 011-23604414 (CPP-U/Colleges)



Speed Post

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(मानव संसाधन विकास मंत्रालय, भारत सरकार)
Ministry of Human Resource Development,
Govt. of India
बहादुर शाह जफर मार्ग, नई दिल्ली - 110 002
Bahadur Shah Zafar Marg, New Delhi - 110 002

F. No. 8-337/2016 (CPP-I/C)

September, 2016

The Registrar,
Savitribai Phule Pune University
Ganeshkind, Pune - 411 007
Maharashtra

28 SEP 2016

Sub: Recognition of College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer your letter no. SPPU/DEV/712 dated 07.09.2016 on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **permanently** affiliated to **Savitribai Phule Pune University, Ganeshkind, Pune**. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head '**Non-Government, self financed** Colleges teaching upto **Bachelor's Degree**'.

Name of the College	Year of Establishment	Remarks
Shree Chanakya Education Society's Indira College of Pharmacy, "Niramay", 89/2-A, New Pune-Mumbai Highway, Tathwade, Pune-411 033, Maharashtra AISHE CODE:- C-41396	2006	The College is now declared fit to receive Central assistance in terms of Rules framed under Section 12 (B) of the UGC Act, 1956. However, the College, being a self financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8 th July 2011.

The Indemnity Bond and the other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

(Pramod Sharma)
Under Secretary

Copy to:-

- ✓ The Principal, Shree Chanakya Education Society's Indira College of Pharmacy "Niramay" 89/2-A, New Pune-Mumbai Highway, Tathwade, Pune-411 033, Maharashtra.
- The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi - 110 001.
- The Principal Secretary, Tech. & Higher Education Deptt. Government of Maharashtra, Mantralaya, Annexe Building, Mumbai - 400 032, (Maharashtra).
- The Joint Secretary, UGC, Western Regional Office (WRO), Ganeshkhind, Poona - 411 007, (Maharashtra).
- Section Officer (FD-III Section), UGC, New Delhi.
- Guard file.

(Sunita Kalra)
Section Officer