



CAYM Education Trusts

Siddhant College of Pharmacy

A/P Sudumbare, Talegaon –Chakan Road, Tal: Maval, Dist: Pune -412109
Phone: 02114-661947, Email: siddhantcollegeofpharmacy@yahoo.in, Website:
www.siddhantcop.in

3.2.1

INSTITUTION HAS CREATED AN ECOSYSTEM FOR INNOVATIONS, INDIAN KNOWLEDGE SYSTEM (IKS), INCLUDING AWARENESS ABOUT IPR, ESTABLISHMENT OF IPR CELL, INCUBATION CENTRE AND OTHER INITIATIVES FOR THE CREATION AND TRANSFER OF KNOWLEDGE/TECHNOLOGY AND THE OUTCOMES OF THE SAME ARE EVIDENT

B . Paste link for additional information

Mission of institute

- Siddhant College of Pharmacy fosters a learning-centred, research-oriented educational environment that encourages individuals to make positive lifelong contributions to global health.
- We develop professional students to provide compassionate pharmacist to society.
- We inspire our students through innovative problem-based learning, rich experiential program, and inter- professional collaboration.
- We foster a community of scholars who will further the body of knowledge in pharmaceutical, biomedical, and clinical sciences.
- We strive to improve quality of life locally, nationally, and globally.

Journey of the IIC established at the institute:

Chaudhary Atarsingh Yadav Memorial Education Trust (CAYMET), department of B. pharmacy established Institution's Innovation Council (IIC) under the guidance of MHRD's Innovation Cell (MIC) on Academic Year 2022-23. The council was named as SCOP-IIC. The objective of the council is to encourage and promote the culture of innovation IPR, start-ups, entrepreneurship amongst the faculty and students.

The council conducts various entrepreneurship related activities on regular basis. The council has also conducted idea, POC, and Proto-type development competitions that boost the confidence of students towards innovation and start-ups. Faculty members have participated in the MIC innovation ambassador training program. Some faculty have contributed as mentors for the other IICs.

SCOP IIC majorly focuses on creating a vibrant local innovation ecosystem, start-up supporting mechanism in our institute along with preparing the Institute for Atal Ranking of Institutions on Innovation Achievements Framework, establishing Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas and developing better cognitive ability for Technology Students.




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Function of SCOP, IIC:

- To conduct various innovation and entrepreneurship related activities prescribed by central MIC in time bound fashion.
- Identify and reward innovation and share success stories.
- Network with peers and national entrepreneurship development organisation
- Create an institution's innovation portal to highlight innovative project carried out by the institution's faculty and students.
- Organize HACKTHONS, idea competition, many challenges etc.

Objectives of SCOP IIC:

- To include new innovation idea's and thought among the students.
- To bring new perspectives in the innovative field
- To have a handshake entrepreneurs and innovators
- To widen the student's cognitive skills
- To implement preincubation units for reducing the technology in derisking

B. Key Functionaries at the IIC SCOP:

- Dr. R. K. Dumbre ,President, Principal SCOP
- Mr. B. Mathdevaru, Vice president
- Dr. Swati Deshmukh, Convener NIRF Coordinator, HOD SCOP
- Mr. Vikas Khandekar, Startup activity Coordinator
- Mrs. Vanita Gade, IPR activity Coordinator
- Dr. Pratima Shinde, Innovation activity, ARIIA Coordinator
- Mrs Payal Pansare, Social Media, Internship activity Coordinator
- Dr. Nidhi Jain, IIC members
- Ms. Sakshi Ghare, IPR Coordinator
- Ms. Pooja Kad, Internship Coordinator
- Mr. Hritik Singh, Innovation Coordinator


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- Mr. Vivek Thigale, Startup Coordinator
- Mr. Rohan Ram, Social Media Coordinator
- Ms. Tejal Hule , Social Media Coordinator
- Mr. Jaydip Vaishnav, Internship Coordinator
- Ms. Mansi Gadewar, Members
- Mr. Heramb Bonde, Members
- Ms. Supriya Wavare, Members

C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

Sr No.	Heads	Numbers
1	Total number of IIC members	Total = 18 members Faculties = 8 members Students = 10 members
2	Faculty Mentors from Portal	1 member
3	Preincubation Unit	Tinkerers lab of each department
4	Research Centre	Alard college of Pharmacy, Elite, PUNE
5	IP Facilitation Unit	External mentor: Dr. Nidhi Jain




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D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

Tinkering lab facilitates the students in the implementation of innovative project ideas in the various domains. Tinkering lab also conducts training program and workshop on recent trends in technology.

Research forum conducts sessions by industry experts for faculty and students pertaining to innovations and technologies applied in various areas of specialization of departments. It also conducts workshops on Intellectual Property Rights, training on open-source software and emerging trends in technologies.

E. Highlight achievements (narrative /graphical/tabular/representation)

The SCOP IIC has conducted various innovation, IPR, startups and entrepreneurship related activities .it has also conducted idea, POC and prototype development competitions.

Sr. no.	Heads	Numbers
1	Number and different types of I & E and IPR activities conducted	10
2	Number of Students and Faculties Innovation/Prototypes developed	Selected for final round- 4 Idea submitted – 52 Prototype submitted – 3 POC submitted – 13
3	Number of Ips generated published and granted	7
4	Amounts spend on promotion and awareness generation on innovation entrepreneurship in the campus and honorarium to experts	10,000/-



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F. highlights few best IIC faculty/student's members and their achievements /rewarded for the innovation at different forum.





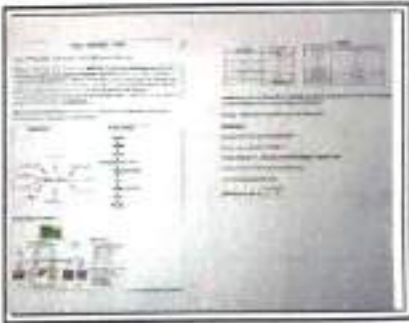
(Profile of few faculties with 2-3 lines of their achievements)

Sr. No.	Name	Achievements
1	Dr. R.K. Dumbre	Ethnopharmacological Review of Arjuna
2	Dr. Swati Deshmukh	Young Scientist of the year "Bharatvarsh Golden Griffon Award 2021"
3	Mrs. Payal Pansare	A review on emerging trends in targeted drug delivery systems: events, approaches and specific drug targeting. Fluid transfer apparatus for medical purpose (patent)
4	Ms. Sakshi Ghare, Mr. Jaydip Vaishnav	Innovation for SPPU Avishkar 2022, Innovation and Research under Gravity 2K23 (2 nd Prize)
5	Mr. Hritik Singh	National Science Day (1 st prize), IT Wizard plus program, Participation in Avishkar
6	Mr. Vivek Thigale, Ms. Pooja Kad, Mr. Rohan Ram	Conducted session in a course organized by SCOP IIC regarding pre-clinical studies Innovation for Avishkar 2022
7	Ms. Tejal Hule	G.D.C. (2 nd rank) Quiz competition and Innovation for Avishkar 2022




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G. Highlight selected best Innovations & images with mention of inventor/innovation name.

Title	Organized by	Mentors	Images
AVISHKAR INNOVATION AND RESEARCH -2022			
1)Formulation and Evaluation of mosquito repellent and room fresheners spray	Organized by the SPPU AVISHKAR Innovation and Research 2022 under Siddhant College of Pharmacy, Sudumbare	Mrs. Swapnali Girme	
2)Multipurpose PH detection device		Dr. Swati Deshmukh	
3)Intradermal delivery system		Mr. Hritik Singh	
4)Film forming spray - A First Aid Treatment for minor heat burner		Ms. Archana Gore MS. Nikeeta Jadhav	
5)Herbal Tea		Mr. Pankaj Jadhav	




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I. List if any breakthrough Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation

Title	Category	Descriptions	Innovator
Green Credit Management system	Process and Services	Project aims to record the contribution added by a person or an organization towards a Green environment. Allgreen credits will be recorded, and reward points will be credited to persons or member organizations accounts	Mrs. Swapnali Girme
Automated Crowd Management in Bus Transport Services	Product	This project intends to help the commuters to know about the live crowd density in a particular bus.	Mr. Al Yadav
Tree Plantation	Services Camp	This activity intends to provide the awareness to the society for environmental management	Mrs. Swati Kale
Blood Donation Camp	Health Services	The camp provides the health and safety for needed people in effective ways	Mr. Swati Kale

J. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs

Young Inspirators Network: Student participation in **Sakal** initiative.

National Service Scheme: Students and staff contribute to university program.

K. Detail of Social Media & Connections of IIC institute

Testimonials from IIC members and external about IIC institute

Sr.no	Social media platform	Social media home links
1	Instagram	https://instagram.com/scop_pharmacy_22?igshid=MzRIODBiNWFIZA==
2	Facebook	https://www.facebook.com/profile.php?id=100088506002470&mibextid=ZbWKwL



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L. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell PRINCIPAL, VICE PRINCIPAL, HOD.

Testimonials from SCOP Principal:



Siddhant College of Pharmacy is right choice for your important step of graduation and post-graduation education, and you will never regret it. You will definitely learn the science of pharmacy and along with it you will become a trustworthy professional that nation needs. The teaching learning process at Siddhant college of Pharmacy emphasizes on personalized attention where students of all socioeconomic backgrounds feel comfortable. Students at Siddhant enjoy the process of graduation and are highly motivated. Systems are designed to encourage active involvement for developing and expressing the curious and creative minds. Along with graduation we emphasize on development of personality and right attitude as a professional. We treat our student as professional right from day one and mould them to utilize their optimum potential to quench the requirement of nation. Students trained here definitely get placed and excel to their choice of future career with foundation that is set here. We also train students for post-graduation by providing well-equipped laboratories and qualified staff. We are reputed for excellent results and best placement of our students in the field of industry, marketing and research. We have excellent research facilities where we have tie-up with industries. We have highly qualified team of faculty with six doctorates and others pursuing doctorates to meet the need of higher education.




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Testimonial from Mr Pankaj Jadhav, Alumni SCOP:

Dear Sir,

I appreciate the work the entire team is doing for IIC. Please see my testimonial below The Institute Innovation Council at VES has proven to be an invaluable source of continued learning for me. The sessions conducted by the IIC have spanned wide- ranging topics like patent law and intellectual property rights, web and software development using specialised languages and entrepreneurship. I have also had an opportunity to interact with seasoned entrepreneurs as well as engineering students, thus giving me insights from experienced businessmen and young academics Cutting edge and relevant topics like electric vehicles were covered in detail. I congratulate the entire team behind the IIC @ VES and hope they continue bringing us such truly enriching sessions.



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PHOTOS OF SCOP, IIC Council



- Dr. R. K. Dumbre ,President, Principal SCOP
- Mr. B. Mathdevaru, Vice president
- Dr. Swati Deshmukh, Convener NIRF Coordinator, HOD SCOP
- Mr. Vikas Khandekar, Startup activity Coordinator
- Mrs. Vanita Gade, IPR activity Coordinator
- Dr. Pratima Shinde, Innovation activity, ARIIA Coordinator
- Mrs Payal Pansare, Social Media, Internship activity Coordinator
- Dr. Nidhi Jain,IIC members, Dr. Nidhi Jain is working as an Assistant Professor in Engineering Science Department of Bharati Vidyapeeth's College of Engineering, Lavale, Pune (External Member, Mentor for IIC)



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Mr. Hritik Singh,
Innovation Coordinator



Ms. Sakshi Ghare,
IPR Coordinator



Mr. Rohan Ram,
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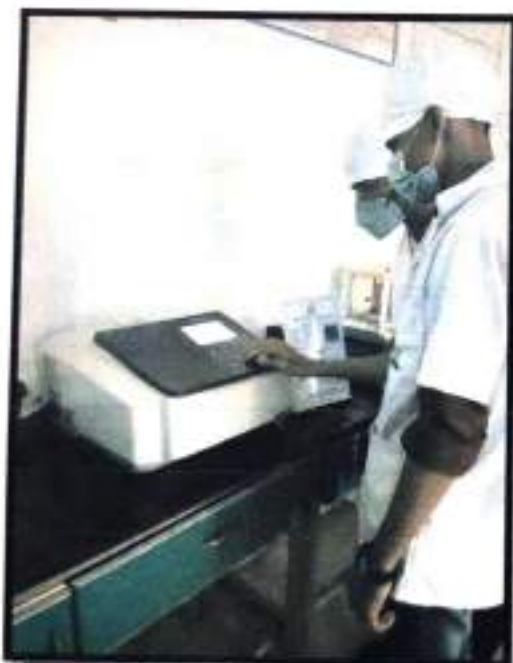
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INNOVATION & INCUBATION FACILITY

LABORATORIES FOR RESEARCH:

A well-developed laboratories like Pharmaceutics, Pharmaceutical Chemistry, Pharmacognosy, Pharmacology and Microbiology for regular practicing undergraduate students. For the researcher like post-graduate students, research scholar and faculty members research lab like central instrument room, Pharmaceutics and Quality Assurance Techniques with Shimadzu HPLC (LC-2010HT), HPLC (LC-20AT), Bruker IR, UV Dissolution test apparatus, Disintegration Test apparatus, Viscometer, Ultrasonic Probe Sonicator as well as central instrument room, extraction, method development, formulation development facilities available to conduct their research.



UV-1800 Spectrophotometer



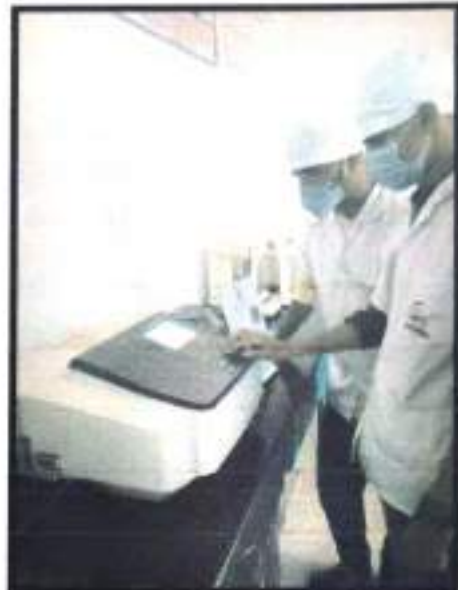
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LC-2010C HT (Automatic HPLC)



UV SPECTROPHOTOMETER (UV-1800)



Pharmaceutical Analysis



Thin Layer Chromatography




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PILOT PLANT:

A well-maintained Pilot plant set up for Solid and Semi-solid Dosage Forms. Pilot plant scale-up is of practical interest to formulation developers and should be considered from the inception of a development project. The Pilot Plant Design for solid (tablets & powder), semisolid and liquid formulation development, it should incorporate features necessary to facilitate maintenance and cleanliness.

List of Instruments

Sr. No	Name of Instrument	Sr. No	Name of Instrument
1	Bottle filling machine	10	Tablet Hardness tester (Monsanto)
2	Bottle sealing machine	11	Tablet Hardness tester (pfizer)
3	Capsule Counter	12	Tablet machine
4	Collapsible tube filling machine	13	Tablet Press Machine
5	Disintegration test apparatus	14	Capsule filling Machine
6	Dissolution test apparatus	15	Tablet Friability Instrument
7	Distillation Assembly	16	Polishing Drum
8	Hand grinding machine	17	Vernier Caliper
9	Hot Air oven	18	Liquid Filling Machine



Tablet Disintegration Test Apparatus



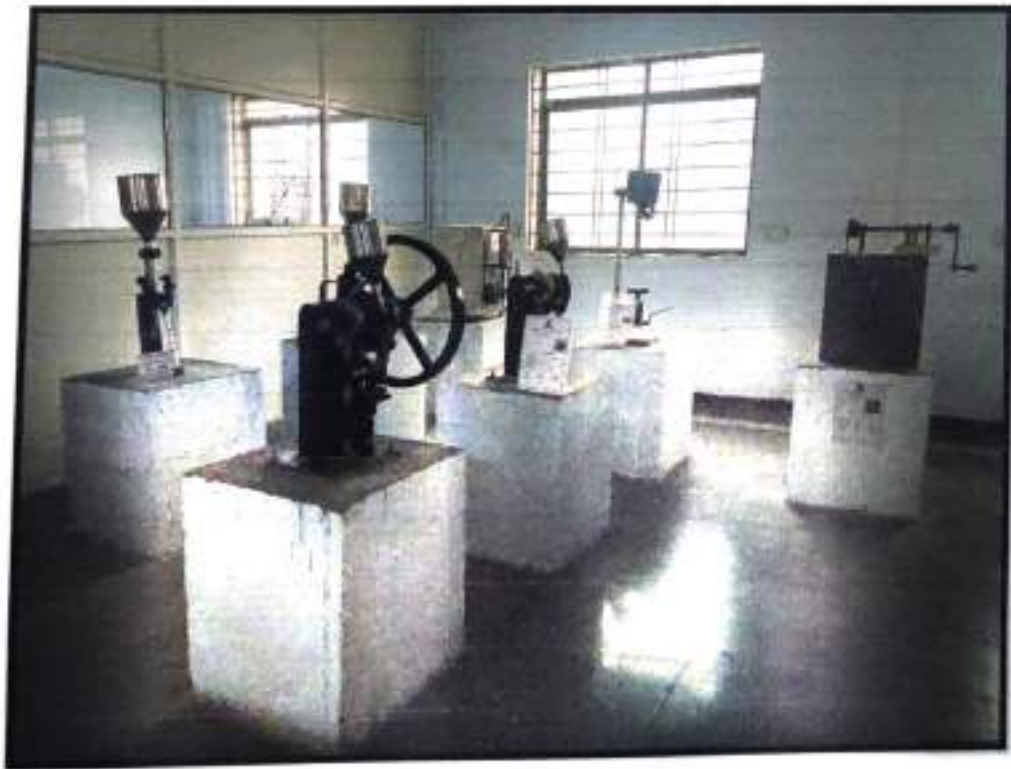
Tablet Dissolution Test Apparatus




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Tablet Machine



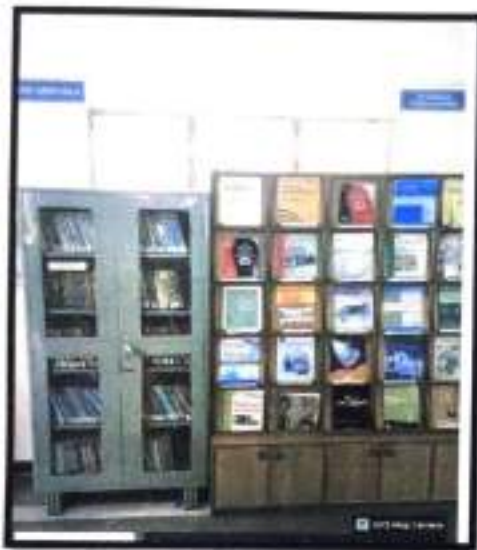
Collapsible Tube Filling Machine, Liquid Filling Machine, Bottle Filling Machine



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LIBRARY FACILITY:

The library is well stocked with books of pharmacy and general science. The library is having a subscription to many national and international magazines, periodicals and journals, students are allowed to borrow two books at a time. The national digital library is also available. These memberships help students to access books available in these libraries. Which helps them with advance learning concepts and also helpful in research area. A full-fledged library brimming with books awaits the book worms and opens a new world of information and enlightenment. The library have subscriptions to more than 700 E-Journal through DELNET, this helps students to get expertise or information in a particular subject.



Research Book & Articles



Refence Book



National Digital Library



Delnet Facility



TRAINING PLACEMENT CELL

Training and Placement Cell inspires the budding students to float their own business/venture through various seminars and workshops. Eminent industrialists and budding entrepreneurs are often invited to motivate the young students.



Career Guidance webinar



Webinar Series from Expert Pharma Stakeholders

RESEARCH INCUBATION CELL

The College also has a vibrant Research Incubation Cell (RIC) to provide incubation support to the budding entrepreneurs. The Institution provides mentoring support, office space and testing facilities to the start-ups to take their creative ideas to the market. Some of the prominent start-ups taking incubation support at SCOP are, like developing herbal medicine, cosmetics, formulation.

Scientific Committee Coordinator



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