



PRINCETON COLLEGE OF PHARMACY

(Affiliated to JNTUH, Approved by PCI, New Delhi & Accredited by NAAC)
Chowdariguda(V), Korremula, Ghatkesar (M), Medchal- Malkajgiri (Dist.) - 500 088
E mail: princeton.pharmacy@gmail.com, Website: pcop.ac.in

3.2.1

INNOVATION ECOSYSTEM



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S.NO	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/ non- Government)
1	Uplc-Based Analytical Method Development And Validation For Antiviral Drugs: A Systematic Approach To Impurity Detection And Quantification	Dr. L HARIKIRAN, INVESTIGATOR Mrs. KONDLA USHA, CO-INVESTIGATOR	PHARMACEUTICAL ANALYSIS	70,000/-	1 YEARS	BELL PHARMACEUTICALS	NON- GOVERNMENT
2	Bioavailability enhancement of a BCS Class-II drug by various techniques	Dr. L HARIKIRAN, INVESTIGATOR VANGALA LAVANYA, CO-INVESTIGATOR	PHARMACEUTICS	RS.80,000/-		BELL PHARMACEUTICALS	NON- GOVERNMENT

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- **The Placement & Development cell (PDC)** of the college seeks to create entrepreneurs who will create jobs through technology. In order to improve the competence of the students by giving them opportunities to develop their managerial and leadership skills, to attend and participate in national and international conferences, workshops, and to visit the pharma industries to meet the demand of the global market and new employment challenges.
- The Princeton College focuses on quality standards and conduct periodic evaluation to enhance the academic programmes in order to help students develop their technical and soft abilities. To put this into practice, the institute has worked to improve career advising services, offer students quality job possibilities that are in line with the needs of the healthcare business, and support entrepreneurship.
- Moreover, practice includes instruction for pursuing higher education, such as an M.Pharm (G-PAT- Training).
- The relevance of mathematics, computer science, life science, and the humanities is placed alongside the core pharmacy topics. Environmental science, Professional ethics (Jurisprudence), Social and Preventive medicine, basic computer skills and communications skills are among the courses included in the programme. Students participate in internships, industry tours and hospital training to improve their skills. Student's final-year projects are assigned based on their areas of interest. Each group working on the project is limited to two to three students and the teacher in order to help the students their abilities and knowledge.
- The college's many committees and departments develop the Health Scheme Programme, Professional development activities, Social awareness activities, and social responsibilities activities to spread social consciousness and knowledge among the teachers, staff and students. Cultural activities, self-improvement techniques and social awareness activities, and social duties are conducted at seminars for the aforementioned programmes.
- **DIGITAL LIBRARY:** With reliable internet and cloud storage, Princeton College offers its faculty and students access to a digital library. This digital library can access a vast amount of information and share materials with others, which helps to advance education.
- The faculty at the Princeton college pharmacy is constantly encouraged to participate in the skill development programs like Quality improvement programs (QIP) that are organized by the AICTE, JNTUH, and PCI. The program's ability to improve faculty member's knowledge and skills in one of its key goals.

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- The management of Princeton College regularly encourages the professors to participate in programmes like Symposium, Workshops, Seminars, and conferences, to advance their knowledge in their specialized disciplines

3.2.1 Institution has created an ecosystem for innovation and has initiatives for creation and transfer of knowledge

The institution has a vision to build innovation ecosystem by investing in research, increase the density of researchers and publication, increase the number of patent activities and encourage a start-up environment.

- Princeton College of pharmacy focuses on synergizing research activities. |Research activities at the Research and Development Cell are headed by principal and senior Faculty. Students and Faculty members are encouraged to take up innovative ideas and develop them in to research Project.
- Innovation Cell is established in campus. Laboratories are equipped with sophisticated instruments like HPLC, UV-Visible Spectrophotometer, Dissolution apparatus, Rotatory tablet punching machine, Hemocytometer analyser, Biochemical Analyser, Laminar air flow chamber, BOD incubator (Biological Oxygen Demand), Soxhlet apparatus and Clivengert apparatus ect..as per demand of the course. Furthermore, Institute has subscription library services like DELNET. Institute has a CPCSEA approved Animal House.

Objectives:

- To create research culture among faculty and students.
- To encourage faculty to improve their skills, knowledge and pursue doctoral degrees.
- To encourage students towards idea generation, innovation and product development.
- To sign MOUS for collaborative work with industries to help understand and register for patenting process.
- To present and publish scientific/research papers in reputed Scopus index and Journals
- To apply and receive grants to conduct Seminars/Conferences and pursue Research Project.


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Function:

- To form a technology Development group from enthusiastic passed out students and thereby motivational for self employment.
- To encourage entrepreneurs
- Transfer technical knowledge and managerial expertise
- Develop new products from innovative ideas
- Study the marketability of products.

Impact:

- **UG and PG Research Projects:** Research culture is introduced to students from the Undergraduate level in project works. PG students are encouraged to carry their project works in the industries and pharmaceutical industries.
- **Seminar/Workshops:** Workshop and seminars organized at the institute provide an opportunity to interact with various industrial experts and eminent academicians.
- **Collaboration activities and MOUs:** Institution has signed nearly 20 to improve research activity at the institute. Further, the institute has collaborated with pharmaceutical industries like Bell, Baris, K.P Labs and collaborate with Osmania hospital, SriKara hospital.
- **Webinars:** Institution encourages organizing and attending online webinars to have an exposure to the recent trends and innovations in the field of pharmacy.
- **Support for PhD Work:** Teaching faculty are encouraged to pursue their doctorial in various recognized universities. They were using all facilities to utilize the equipment and infrastructure available in the institute.
- **Industrial Visit:** To understand the protocols and operational procedures at pharmaceutical Industries, Industry-Institute Interaction Cell facilitates students and faculty members to go for industrial visits.

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