



(Approved by AICTE, New Delhi & Affiliated to JNTU Hyd.)

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

PRINCIPAL
UNITY COLLEGE OF PHARMACY
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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.

The Institution creates an environment where students and teachers may exchange technical expertise in order to stimulate innovation via the incubation centre. To assist research endeavours, the college develops an R&D cell under the authority of the principal. The R&D cell focuses on small and large-scale student projects that are financed by funding organisations and completed over the course of the academic year. With the assistance of the R&D cell, faculty and students may publish high-quality articles in respected journals with a high impact factor. The R&D unit provides training on how to create a paper, avoid plagiarism, and discover respectable journals, all of which help professors and students complete their research duties. The management is especially interested in research activities and encourages professors and students to explore new, unique ideas by providing the necessary infrastructure and financial assistance. Every year, students from a variety of fields gather for the Ideathon event to produce new, unique ideas. The Entrepreneur Development Cell (EDC) of the College aims to develop entrepreneurs who create jobs through technology and to improve students' competence in order to meet global demand and new challenges to create employment by giving students the opportunity to develop their managerial and leadership skills, attend and participate in workshops, and visit industries. Students are urged to take action, seek selfemployment, and start a small or microbusiness. Among the skill sets required to establish an entrepreneur are resource planning, personnel management, financial planning, marketing management, and manufacturing understanding. EDC wishes to expose prospective engineers



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to these areas of need in order to help them become successful entrepreneurs. The Institution purpose is to bridge the gap.

By providing students with learning opportunities and fostering a supportive atmosphere for their research interests and social commitments.

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.

- Unity 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.

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



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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 doctoral 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.

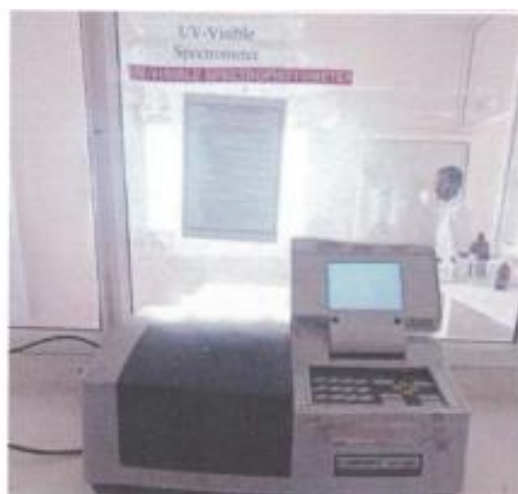
RESEARCH COMMITTEE PANEL

S.NO	NAME	DESIGNATION
1	Dr.Ampati Srinivas	Chair Person
2	Dr.K.Mohini	Research Co-ordinator
3	Mr.P.Goverdhan Reddy	Member
4	Mr.I.Rajeev	Member
5	Mrs.V.Anitha	Member


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HPLC



UV-Vis Spectrophotometer



Dissolution Apparatus



Tablet Punching Machine

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Nephelo-turbiditymeter



Karl Fischer titrimeter



Flame Photometer



Colorimeter


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