

Innovation Ecosystems

Innovative ecosystem provides active information flow and resources to transform the ideas into reality. It is the network of Individuals, Colleges, Universities, Government, Private Players, Mentors, Media to create new ideas, methods, products, etc. The institution with a vision to build such innovation ecosystem for enhancing knowledge, innovation and creativity has established Research and Development (R&D) Cell, Entrepreneurship Development Cell (EDC) and Intellectual Property Rights (IPR) Cell.

Different activities like Idea generation, Problem Solving, Project handling, etc are discussed among faculties and students. MoUs with various organizations have been signed to strengthen innovation. Students and faculties are facilitated for developing creative and innovative projects, conducting workshops, seminars and conferences.

R & D Cell provides a platform to make breakthrough innovative products for the creative ideas generated in Incubation Centre. It is equipped with UV-Vis spectrophotometer, HPLC, FTIR, Auto analyser, Tablet punching machine, Dissolution apparatus, Laminar air flow, Soxhlet apparatus, Polyrite, etc under proper ventilation and air conditioning. The drug information softwares like ExPharm Pro, X Cology Pro are subscribed with latest upgradation and Experimental Pharmacology Series Software.

Entrepreneurship Development Cell (EDC) was established to create job creators. It gives basic ideas to students for establishing Start-ups.

IPR Cell creates awareness and guides faculty members and students to apply for various IPRs such as patents and copyrights, etc. It helps the inventor in drafting patent/other IPR applications and forwarding it to concerned agency/authority.

Outcomes

UG and PG, Pharm. D Research Projects: The UG and PG, Pharm. D students do their minor and major research projects under faculty expertise that are conducted in institution labs and in collaboration with pharmaceutical industries and hospitals.

Seminars/Workshops: The institution has organized workshops/seminars disseminating knowledge on latest research activities in partnership with industrial experts/eminent

academicians. 61 Workshops, Seminars, Conferences have been conducted on Research, IPR and Entrepreneurship respectively in the past 5 years.

Collaboration Activities and MoUs: The Institution has signed 29 MoUs with well-established industries and hospitals to improve research activity at the institute. The institute has collaborations with pharmaceutical industries like Sigma Analytical Testing House (P) Ltd, Krishcare Formulations, Pharmatrain, Spectrum Pharma Research Solutions, HIQ Pharma Labs, Mahavir Hospitals, Rubicon Skill Development Pvt Ltd, Pharmawiz, DRIB Consultancy, Gokaraju-Rangaraju Group, Mybo Group, Veterans India, VVIPs, Krishnateja college of Pharmacy, Viswanadha College of Pharmacy, Bapatla college of Pharmacy, Geetanjanli College of Pharmacy, Frontier Consultant & Educational Services Pvt Ltd, Hire Mee Vee Technologies Pvt Ltd, MSN Laboratories Pvt Ltd, Mother Theresa Institute of Pharmaceutical Education and Research, The Pharma Research, Gengis Pharma, SCPL Pharma, Health Care, I- Labs, International Academic and Research Association, Synctra Solutions, Sai Pharma Consultants.

Support for Ph. D work: The faculty members pursuing Ph. D from different universities can utilize state of art infrastructure and resources available at the institute.

Industrial Visits: To understand the departmental sections, QA, QC protocols and operational procedures at pharmaceutical industries, students are participating in industrial visit every year.

Patents: 16 Patents have been filed.

List of Patents

S. No	Name of the Faculty	Title of the Patent	Application No	Date
1.	Dr. CH. B. Praveena Devi	Drying Medicinal Plant Using Microwave Power Method and Thereof	202241026080	2022
2.	Mrs. A. Swarupa and Mrs. M. Shyamala	Ethanolic Extract of Argyreia Nervosa with Anticonvulsant and Anxiolytic activity	202241062745 A	2022
3.	Dr. P. Nagaraju	Advancement of Drug Delivery System Based on Nanotechnology and Green Chemistry: Nano Medicines	2022410565221A	2022
4.	Dr. V. Mohan Goud	HPLC Method for the Estimation of Oliceridinein Pharmaceutical	202241074455 A	2022
5.	M. Srinivas	Formulation and Evaluation of Taste Masked Orally Dispersible Tablet	202241003821A	2022
6.	Dr. P. Vishnupriya	Mazus Pamilus Leaf Extract and Preparation Method Thereof with Anti-Cancer Activity	202341005654A	2022

7.	Dr. P. Vishnu Priya	Crinum Asiaticum Leaf Extract for Anti-Cancer Activity against human cancel cell lines and preparation method therof	202341025410 A	2023
8.	Mr. K. Sandeep	Identification of Genetic Polymorphism in Genes related to Pharmacogenetics	202341025964 A	2023
9.	Mr. K. Sandeep	Novel Mechanism and various clotting factors to identify functioning of blood circulation	202341027127 A	2023
10.	G. Lakshmi Devi	Daclatasvir Hydrochloride tablet formulation and preparation thereof	202321043607A	2023
11.	Dr. V. Mohan Goud	RP-HPLC method for estimation of Deucravacitinib in pharmaceutical dosage forms and used thereof	202341049183 A	2023
12.	Dr. V. Mohan Goud	Method for estimation of Fostemsavir using RP-UPLC in pharmaceutical dosage form and uses	202341030922A	2023
13.	Dr. V. Mohan Goud	Bilayer tablet formulation of Viloxazine hydrochloride and preparation method thereof	202341007187 A	2023

	.			
14.	Dr. V. Mohan Goud	RP-UPLC method for estimation of Favipiravir in pharmaceutical dosage form and uses thereof	202341012178 A	2023
15.	Dr. V. Mohan Goud	Nanosuspension of Maribavir and preparation method thereof.	202341030922 A	2023
16.	Dr. V. Mohan Goud	RP-UPLC method for estimation of Brexpiprazole in pharmaceutical dosage form and uses thereof.	202341023099 A	2023