

PHARMACOBUFFINS

NEWSLETTER 2020



**DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY
UNIVERSITY COLLEGE OF ENGINEERING
ANNA UNIVERSITY - BIT CAMPUS
TIRUCHIRAPPALLI - 24**

MESSAGE FROM THE HEAD OF THE DEPARTMENT



Dr.A.Puratchikody
Professor and Head

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FACULTY ADVISOR

Dr. S. Lakshmana Prabu

STUDENT COORDINATORS

- 1.Jothika.M
- 2.Mohan Kumar.G

JANUARY - DECEMBER
2020

MESSAGE FROM THE HEAD OF THE DEPARTMENT

I am grateful for the opportunity to continue working in a role where I can collaborate with department staffs and students, across the college and the community we serve, to continue to meet our Academic Plan, Growth Strategy and the College's Vision and Mission. I have seen the progress made by the efforts of our faculty, it is promising and motivating. Our Students have attended the workshops, conference in various reputed institutes. Around 23 students have completed their In plant and internship training course. We always work for our students welfare.

I am glad that this is a time of clear achievements. I would also like to reiterate our goals as a community, “Our department will drive creativity, innovation, knowledge and community engagement through teaching and research. They will put students first by providing the best possible learning experience for all qualified learners in an affordable and financially sustainable way, ensuring high quality, and globally competitive outcomes for students”. Let us all keep these words close to our hearts, as we continue to encourage positive changes in attitudes.

VISION

To provide quality education, foster research and development in Pharmaceutical Technology, evolve innovative solutions for industrial problems and serve for humanity, upraise the department to reach the apex of glory in pharma education and research to be cognizant of as Centre for Excellence.

MISSION

- Deeply inoculate the treasure of pharmacy education and research into the inquisitorial minds of students through practising with state of the art infrastructural facilities to instigate the multi-disciplinary expertise to meet the needs of pharmaceutical and allied industries.
- Provide a dynamic educational experience, create outreach opportunities and empower them to become leaders of profession.
- Advocate the responsibility to contribute for the improvement in public health by developing and translating concepts into practice within the state and beyond.

PROGRAMME EDUCATION OBJECTIVES (PEOs)

- To prepare students for prosperous spectrum of career avenues in academia, advanced research, industries of pharmaceutical technology, biomedicine, biotechnology. law, business and government and other pharmaceutical pursuits through dissemination of knowledge and proficiency in engineering and technology fundamentals related to pharmaceutical technology and the ability to solve problems.
- To transfuse in students the sense of confidence in professional endeavours by application of the derived knowledge and appreciation of economic impact in a societal context.
- To provide collegial and nurturing environment for the students to realize the professional, ethical obligations and their concern to protect the health and welfare of the public, and to be accountable for the social and environmental impact of their practice.
- To create an enjoyable educational environment in which students participate in which students participate in multidisciplinary, team oriented, open-ended curricular and co-curricular activities that prepare them to work either individually and as an integrated team member.
- To facilitate the students to gain the wisdom of fundamentals and advances to practice pharmaceutical technology and interdisciplinary research as career of constructive service to society and higher learning.

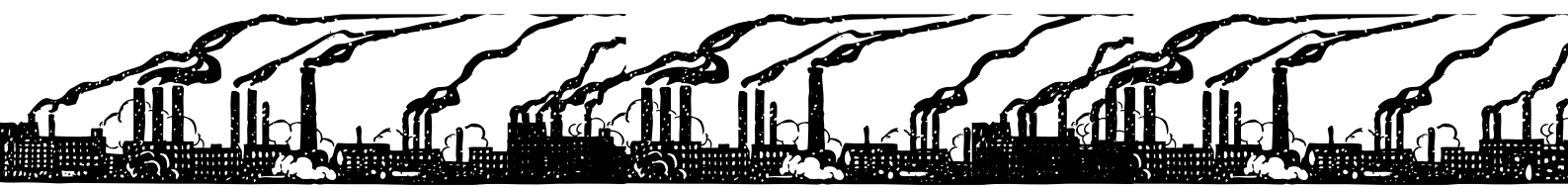
PROGRAMME OUTCOMES (POs)

After completion of graduation in Pharmaceutical Technology, the students will be able to demonstrate the ability to:

- Apply knowledge of mathematics, science and technology in the discipline.
- Identify, formulate, research literature, and analyze complex engineering problems for its solution.
- Design and develop system processes that meet the specified needs with appropriate consideration for public health, safety, cultural, societal and environmental.
- Design the experiments, its analysis and interpretation of data, synthesis of the information using research-based knowledge for complex problems.

- Use modern engineering tools, software and equipment to meet the needs in the area of Pharmaceutical Technology.
- Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues relevant to the professional engineering practices.
- Apply knowledge of the impact of pharmaceutical technology solutions in a societal and global context.
- Demonstrate ethical principles and commitment to responsibilities and norms of the pharmaceutical technology practices.
- Work effectively as an individual and as well as member in teams of diversified professionals.
- Communicate effectively.
- Understand the philosophies of Project management principles in Pharmaceutical Technology.
- Showcase urge for self-education and life-long learning.

The department has around 200 students and offers Bachelors and Masters degrees in Pharmaceutical technology and Biopharmaceutical technology. We have advanced lab facilities, as well as world-class machinery and staff capable of handling it. Every year, we also take delight in generating exceptional research scientists for the rest of the world. All of this is made possible by the great leadership of our most esteemed Professor and Head of Department, Dr.A.Puratchikody and her colleagues.



SEMINAR- Two Days Seminar – Challenging Perspectives in Pharmaceutical Technology

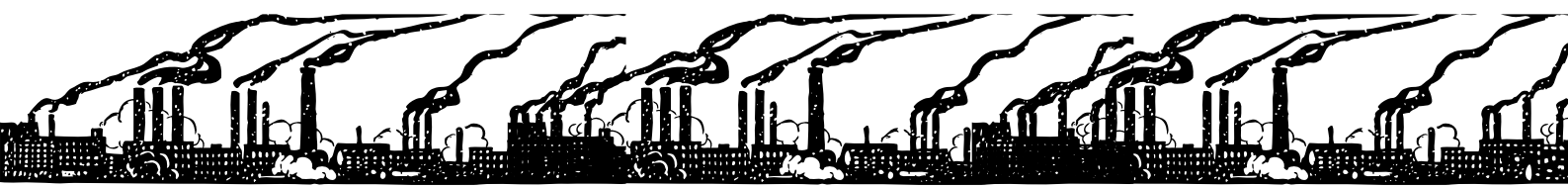
In recent decades, Pharmacy has moved from a product orientation (drug dispensing) to a patient focus. The clinical training requirements for pharmacists have expanded, and besides this process can be considered slow. New technologies and innovations are already enabling Pharma companies to improve medicine development and patient care. Hence the Department of Pharmaceutical Technology has organized a seminar entitled “Challenging Perspectives in Pharmaceutical Technology”.

The seminar was organized from 21-22 February 2020 by Dr.A.Umamaheswari. The seminar had five speakers. Each one of them spoke about various challenges. It was very useful to the students. The talk given by Dr. Gopu about “Electro analytical techniques” was new and different. Following this, the seminar about “Bioinformatics” by our Head of the department Dr.A.Puratchikody was an eye-opening session and the students came to know about newer ways of Drug discovery. The next session, by Dr.Sivasudha about detailed view on “Corona virus breakdown” has given awareness among the students. On the second day, The first session was handled by Dr.K.Ruckmani about the topic “challenges and opportunities For Pharma Students” was Motivational and carrier oriented. Following the session, Next talk was given on the topic “Chemical Principles in pharmaceutical industries” by Dr.Ramya devi helped the students in learning the basics concepts of Heat and Mass transfer. This seminar was really a needful one. Many students have got benefitted from the event. Participation certificates were given to all the participants.

WEBINARS ON PHARMACEUTICAL INDUSTRIES: EDUCATIONAL REQUIREMENTS AND CAREER INSIGHTS

To the students in the department of the pharmaceutical technology has organised the webinar on Pharmaceutical Industries: Educational Requirements and Career Insights on 23rd June 2020.

The webinars stood one of the best where the students involved in the comfortable atmosphere amidst knowledge lecturer which is the mandatory to the upcoming future pillars and budding stars of the nation. The richness of the shared experience and learning that occurs in the window through online mode which is the one where stood out the most.



EVENTS

SYMPOSIUM- PANACEA'20

The technical symposium "PANACEA'20 was organised by The Association of Pharmaceutical Technologist (APTS), a student fraternity that put on a great event.

The students in the department of pharmaceutical technology took the lead as pharmaceutical technologists and organised the PANACEA'20 student symposium on March 15th and 16th, 2020. The growing number of students from migrant backgrounds has created unique chances to hold a student symposium called PANACEA'20, which aims to foster the sharing of best practises and analyses on how to address the diverse needs of these youth, teacher educators, and future scholars. The symposium focused on the critical need to improve student educational outcomes.

Various Technical and Non-technical events was organized, and students willingly participated in all the events. The technical events included Paper presentation, Poster presentation, Project Expo, Pharma-auction and Techno-quiz. The Non-technical events included Ad zap, Dum Charades, Meme creation, Photography. At the end of the symposium, Prizes were distributed to all the winners. Participation certificates were given to all the delegates.

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 DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY
 &
 ASSOCIATION OF PHARMACEUTICAL TECHNOLOGY STUDENTS
PROUDLY PRESENTS
 NATIONAL LEVEL TECHNICAL SYMPOSIUM
PANACEA'20
 March 15th & 16th 2020

TECHNICAL EVENTS
 Oral presentation
 Poster presentation
 Techno Quiz
 Pharm- Auction
 Mate-mate

NON-TECHNICAL EVENTS
 One Soap One Shot
 Ad-zap
 Dumb-c
 Meme creation
 Konneksie
 Treasure Hunt

**Imminent Prospects of Pharmaceutical Technocrats
 In Expanding the Scientific Realm with Modern Tools**

Dr. A. Shanmugarathinam
 Assistant Professor
 Staff Advisor

Dr. A. Puratchikody
 Professor & Head

Dr. T. Senthilkumar
 Professor & Dean
 UCE-BIT Campus, Trichy

VENUE : DR. A. P. J. ABDUL KALAM AUDITORIUM (B - BLOCK 217)

Student Representatives
 Mr. S. Sujin - +91 978934494
 Ms. R. Nikhishaa Sree -+91 8754561356

Send Your Abstracts To
pharmapanacea20@gmail.com

VICE CHANCELLOR VISIT



The growth of technology is tremendous in the developing world and as a result the learning methods also develops along with it. The digital lesson plan finds to be very useful to the students as they can learn the concepts and everything that lies in their hand. The Digital lesson plan app was launched to the students belonging to the department of Pharmaceutical Technology by The Vice Chancellor of Anna university Dr.M.K.Surappa, Dean of BIT campus Dr.T.Senthilkumar, Head of the Department Dr.A.Puratchikody along with Faculty members Dr.A.Umamaheswari and Dr.S.Lakshmana Prabu.

