

PHARMACOBUFFINS

NEWSLETTER 2018



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

**MESSAGE FROM THE HEAD OF THE
DEPARTMENT****CONTENTS****1. SEMINAR****FACULTY ADVISOR****Dr. S. Lakshmana Prabu****JULY - DECEMBER 2018****Dr.K. Ruckmani
Professor and Head****MESSAGE FROM HEAD OF THE DEPARTMENT**

Welcome to the Department of pharmaceutical Technology at University college of engineering, BIT campus, Tiruchirappalli.

Our department has been emerging as one of the most significant departments and obviously it is because of such a motivated team of Faculty members who work hard to inculcate the knowledge to our students. On the other side even the students also enthusiastically develop their skills and knowledge in the field by their active participation in other academic related activities like attending symposium, webinar and conference being conducted in other Institutions. Through effective instruction and a positive learning environment, our department is dedicated to the improvement of students. For the benefit of both faculty members and students, the department frequently hosts a variety of seminars, conferences, workshops etc.,

Around 8 students completed NPTEL courses, 28 students attended Workshops, 4 students attended various International conferences. We consistently encourage our students to uptake various online certified course that will enable them to be more confident about their knowledge out of the box. Sincerely I congratulate all the Faculty and Students for their active involvement towards the growth of Department.

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 practicing 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 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.

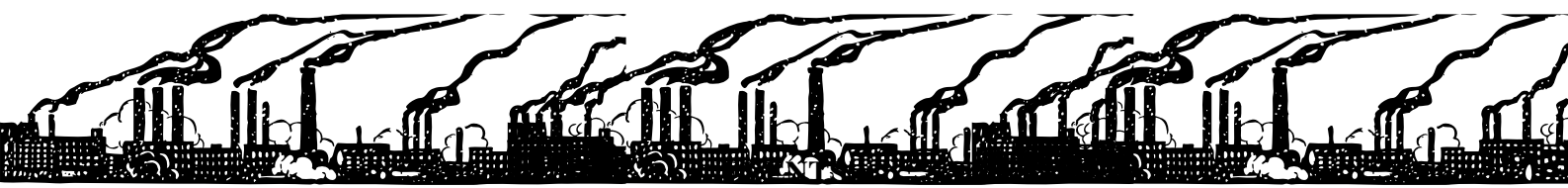
PROGRAMME OUTCOMES (POs)

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 analyse 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.

Providing Bachelor and Master courses in Pharmaceutical technology and Biopharmaceutical technology, the department comprises of more than 200 students. We have the state-of-the-art lab facilities with world class equipment and experts handling it. We also take pride in establishing ourselves in producing outstanding research scientists to the world every year. This all is possible under the exceptional leadership of our most respected Professor and Head of the department Exceptional Dr.K.Ruckmani and her colleagues.



EVENTS

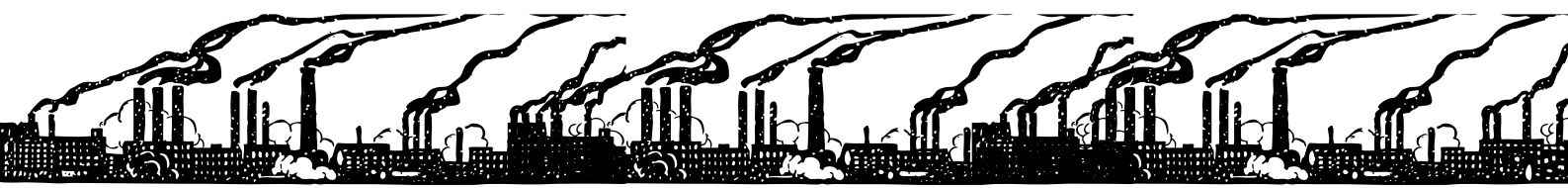
SEMINAR- INDUSTRIAL APPLICATION OF CHEMICAL INDUSTRIAL THERMODYNAMICS

In order to improve the knowledge and skills learnt from course, a one-day seminar entitled “Industrial application of Chemical Engineering Thermodynamics” was held on 11th September 2018. The seminar was organized by Dr. S. Lakshmana Prabu. The speaker has given good lecture on the subject.

Topics covered in the seminar were

- Fundamental concepts of Thermodynamics and its related functions
- Thermodynamic property relations and their application to fluid flow
- Significance of thermodynamic potentials and their use in the analysis of processes
- Thermodynamic Formulations and the working of compressors and expanders and
- Power generation and refrigeration processes.

The seminar was more informative to the students. Participation certificates were given to all the Delegates and student members.



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2019

CONTENTS

1. PARENTS TEACHERS MEETING
2. ONLINE COURSE COMPLETION

FACULTY ADVISOR

Dr. S. Lakshmana Prabu

JANUARY - JUNE 2019**Dr.K. Ruckmani**
Professor and Head**MESSAGE FROM HEAD OF THE DEPARTMENT**

It gives me great pleasure to congratulate students, teachers and staffs of The Department of Pharmaceutical Technology for the latest issue of newsletter. Newsletter is believed to be a focus of the inside activities i.e., academics, students and faculty achievement as well as innovation occurring in the department.

In the era of Engineering and Technology this newsletter will motivate the teachers and students of sharing their creativity and new ideas with the world which will help in their overall development. It offers a range of innovatively designed programs in which curricula is being constantly updated to meet the changing requirements of industry and to meet the needs of major stakeholders.

During study at the department, the students are encouraged to get hands-on experience in the industry through internship and projects with reputed organizations. In their curriculum, they are encouraged to take up mini projects to supplement theoretical knowledge with practical experience. They also undertake projects benefitting local industries or dealing with local problems. These projects enable them to understand the relevance of working in a group and also help them to realize the finer aspects and importance of teamwork.

I wish the new batch of students of the academic year (2019-2023) a bright and productive future of growing in such a healthy atmosphere and raise as responsible individuals.

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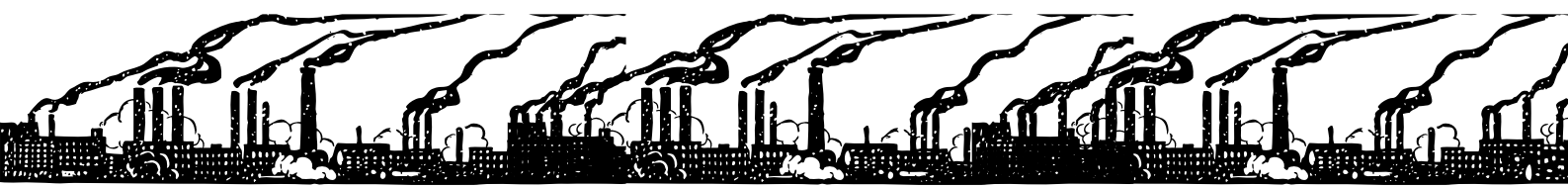
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PARENTS TEACHERS MEETING



The students of the department as said earlier had participated actively in many inter institute competitions and even received various prizes. They are motivated to uptake various competitive exams like GATE, TANCET, ICT exams. Students who wanted to pursue their higher education were counselled about all the feasible ways to enlighten their prosperous future.

Parents teachers meeting has been conducted to the second year students of batch 2018-2022. The parents and faculties had an effective session of interaction where the parents got to know about their children's academic performance and their regularity to the classes.

ONLINE COURSE COMPLETION

We continuously encourage and motivate the students to uptake online certification course and to uptake all the possible knowledge gaining tasks and students themselves with all interest actively attended the online courses.

NAME OF THE STUDENT	NPTEL COURSE	YEAR
Subhasini	Bioreactors	Jan-Feb 2019
Syed Imran	Bioreactors	Jan-Feb 2019
AM. Oviya	Medicinal Chemistry	Jan- Apr 2019
G. Mohan Kumar	Medicinal Chemistry	Jan- Apr 2019
M. Jothika	Medicinal Chemistry	Jan- Apr 2019
S. Sharmila	Bio-Informatics : Algorithms and applications	Jan- Apr 2019

