

PHARMACOBOFFINS

NEWSLETTER 2022

VOLUME 10 EDITION 1



**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. Jegasubramaniam S N
2. Tamilselvan N
3. Diksha S
4. Libiksha Babu B I

JULY- DECEMBER 2022

MESSAGE FROM THE HEAD OF THE DEPARTMENT

Dear Students and Faculty members,

I am writing to welcome you to the latest issue of our department newsletter. I am excited to share with you all the great things that have been happening in our department over the past few months. I am proud to announce that several of our students have recently been accepted to prestigious graduate programs. Those students have worked hard and have made us all proud. I would like to congratulate them on their accomplishments. Our faculty members have published several papers in top academic journals, presented their research at conferences around the world, and received grants to support their research. I am grateful for their dedication towards research and to our students. In addition to their academic work, our faculty and students have also been involved in a number of exciting events.

I always look for ways to enrich the educational experience for our students. I am excited about the future of our department. We have a talented group of faculty and students, and I am confident that we will continue to achieve great things. I hope you will join me in celebrating our successes and in looking forward to the future.

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 which students participate in multi-disciplinary, 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.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

1. Develop active pharmaceutical ingredients, drug intermediates and pharmaceutical products.
2. Apply data driven decisions and predictive analytical tools in smaller and larger molecule producing industries.
3. Identify technical issues related to the design, manufacturing of chemicals & pharmaceuticals and provide effective interdisciplinary solutions.
4. Adapt continuously changing technologies and play pivotal professional role in sustainable societal development

Providing Bachelor and Master courses in Pharmaceutical technology and Pharmaceutical Biotechnology, 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.A.Puratchikody and her colleagues.

This department holds various records in various fields inside and outside this campus. We conduct symposiums, seminars, conferences nationally and internationally in a regular manner from the year of inception of this department.

SPORTS

University college of Engineering,BIT Campus,Anna University, Tiruchirappalli - 620 024. Women's team has secured a Runner up in University level Inter-zonal Football competition held at our college on 05.11.2022

Two students have selected for Form 3

1. GOMATHI M IV Year
2. NIVETHA E III Year



University Interzonal Volleyball Tournament Winners

The match held on 24.11.2022 at Indra Ganesan College of Engineering, Tiruchirappalli - 620 012

Vice Captain - K A Pavithran- IV Year
Pragadeeswaran S- IV Year



INDUSTRIAL VISIT

Final year students from the Department of batch 2019-2023 went Industrial visit to Southern Union Pharmaceuticals, Thrissur, Kerala for two days(28.09.2022/29.09.2022). They were accompanied by the staff members Dr. S. Lakshmana Prabu and Dr. R. Vijaya.



STUDENT FEEDBACK

It was an informative and refreshing session with the Hands on experience on the industrial procedures and operations of the industry. We were clearly explained each and every process and the equipments precisely and also the industrial personnel were so friendly and cooperative even to the basic questions of the students. We have visited the Raw material store, Storage outlet and the Production plant of the various Pharmaceutical liquid aids and they were following the protocols and SOPs in all areas and taking utmost care for the safety of the employees. The industrial officials were so professional in their activities and were highly determined. After a visit around the Production areas we were directed towards the Quality Control Department where it was categorized into two areas namely Instrumentation laboratory and Wet laboratory. We were explained about the various instruments like Polarimetry, Gas Chromatography, HPLC, UV-Vis Spectroscopy, Liquid Chromatography and FT-IR Spectroscopy. Wet Laboratory consists of all the Analytical Determination and Standardization of the chemicals and reagents. We also got the privilege to view the Primary standard of the chemicals. As per the protocol all the Documents are duly approved and signed before its transport to the market. Packaging and Labelling techniques are highly performed by the appropriate trained and skilled personnel. I had an amazing experience to view the factory outlet with so much precision.

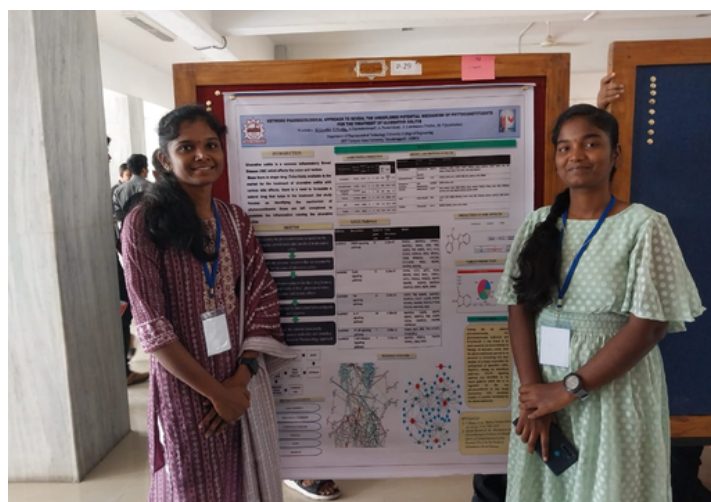
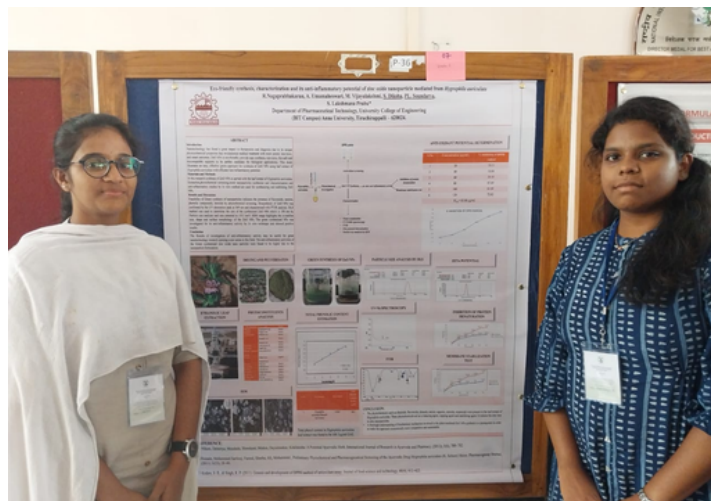
Outcome

As a Result of this Industrial Visit, we can get a clear picture of the Industrial Proceeding from the student's view. We can highly acquire knowledge about the practical exposure. As an aspiring and budding industrial interested student, I can assure you this Industrial visit helped me in all means towards the development of the knowledge.

STUDENT ZONE

Students from the Batch 2019-2023 and 2020-2024 actively participated in numerous Inter-institute conferences, symposium and presented their poster/ oral presentation.

They had even participated in a national conference organized by NIPER Hyderabad which was held on 18th and 19th November,2022.



EXPERT LECTURE



Expert Lecture on **INDUSTRIAL SAFETY** by Industrialist Mr. R. Prabhakar organised by Dr. R.Vijaya on 25.08.2022

EXPERT LECTURE



UNIVERSITY COLLEGE OF ENGINEERING
ANNA UNIVERSITY – BIT CAMPUS
TIRUCHIRAPPALLI - 620024

Department of Pharmaceutical Technology
(DST-FIST Supported)
&
B.Tech Pharmaceutical Technology (NBA Accredited)

Invites for Expert lecture on


Challenges for Chemical Engineers in Pharmaceutical Industries

Speaker:
Mr.R.Maniyarasan
Country Manager
Business Development
Aurigene Pharmaceutical Sciences Ltd.
Hyderabad - 500 049



 17th October 2022
 10.00 am

Organized by:
Dr.A.Umamaheswari
Placement Coordinator, Dept of Pharmaceutical Technology
UCE - BIT Campus, Anna University
Tiruchirannalli - 620 024





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Department of Pharmaceutical Technology
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B.Tech Pharmaceutical Technology (NBA Accredited)

Invites for Expert lecture on

Design of Reactors for Catalytic and Non-catalytic Heterogeneous Reactions

Speaker:
Dr. N. SAMSUDEEN
Associate Professor,
Department of Chemical Engineering,
National Institute of Technology,
Tiruchirappalli-15

 28th and 29th October 2022
 10.00 am

Organized by:
Dr.A.Umamaheswari
III Year Class Coordinator, Dept of Pharmaceutical Technology
UCE - BIT Campus, Anna University
Tiruchirappalli - 620 024

ALUMNI ZONE



Our Proud Alumni Harini (Batch 2012 - 2016) has given a Ted Talk on the Topic **Challenges for the B.Tech Pharmaceutical Technology students in abroad studies** on 08.10.2022

RESEARCH ZONE



Two batches of Five students from III Year have received the Fund of Rs. 25,000 for the Students Innovative Project scheme from CSRC, Anna University for a Period of six months from July - December 2022 under the guidance Dr.S.Lakshmana Prabu

Students List

1.S N Jegasubramaniam
S Santhosh kumar

2.M Sivagamasundari
V Sreevidhya
S Sowtharya