

PHARMACOBOFFINS

NEWSLETTER 2023

VOLUME 10 EDITION 2



**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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JANUARY- JULY 2023

MESSAGE FROM THE HEAD OF THE DEPARTMENT

Dear Students and Esteemed Faculty Members,

I hope this message finds you all in good health and high spirits. I want to take a moment to reflect on our journey so far and share some exciting updates with all of you. First and foremost, I want to express my heartfelt appreciation for the dedication and hard work each of the faculty members and student fraternity has put into our department. It's your relentless pursuit of excellence that has brought us to where we are today. Your commitment to our shared goals is truly commendable, and I am proud to lead such a talented and motivated team. I encourage all of you to bring your innovative ideas to the table, as your insights are invaluable in shaping the future of our department.

As always, communication is key. I urge you all to maintain open lines of communication, not only within our department but also across other departments and teams. Sharing knowledge and collaborating with one another is crucial for our growth and success.

In closing, I want to reiterate my confidence in each one of you. Our department's success is built on the foundation of your hard work and dedication. Let's continue to strive for excellence, support each other, and make remarkable strides together.

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.

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 department 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.

GCORT'23



Global Colloquium on Oncology Research and Therapy'23 was held on 11th and 12th February 2023 where the theme of the conference is "Education and Research towards Tumor Eradication". It was a two day Inter-National Conference took place at University College of Engineering, BIT Campus, Tiruchirappalli. For the conference we had the delegates and speakers in and around the world.

The Global Colloquium on Oncology Research and Therapy is a valuable opportunity for researchers, clinicians, and other healthcare professionals to learn about the latest advances in cancer research and therapy. The conference is also a great place to network with other experts in the field and to learn about potential research collaborations. The conference completely comprised of technical events such as paper and poster presentation on following topics:

- Cancer biology
- Cancer genomics
- Cancer therapeutics
- Screening and diagnosis of cancer
- Leukemia and lymphoma
- Stem cell & bone marrow transplantation in cancer therapy
- Translational oncology and clinical trials
- Brain cancer & surgery
- Breast cancer

A total of 232 students were participated in the conference including 144 students from University College of Engineering Tiruchirappalli, 88 students from other institutions, and the conference was applauded for the 7 sessions, Oral and Poster Presentations, besides the inaugural and valedictory sessions. The event was conducted in hybrid mode; 28 members were participated in virtual mode and presented their poster and oral presentations. This two day event offered opportunities to the participating audiences to interact with Speakers who were Academicians, Scholars, and Experts from the field of Oncology and covered topics on Oncology Research and Therapy.

PANACEA'23

PANACEA'23 is the annual symposium being conducted by the Association of Pharmaceutical Technology Students (APTS). In this year the symposium was conducted on 1st and 2nd April 2023. The students from the department actively involved themselves in the symposium and conducted the event in a grand manner.

PANACEA'23 hold the increasing number of students from immigrant origins has created exceptional chances, which is primarily intended to encourage the exchange of best practices and analyses on how to serve the various requirements of these youth, teachers, educators, and future researchers. The symposium focused on the critical need to improve student educational outcomes. Several technical and non-technical events were organized, and students enthusiastically participated in all of them. Paper presentations, Poster presentations, Project Expo, Pharma-auction, and Techno-quiz were among the technical events.

There was even Alumni meet organized by the current studying students and interaction session was effective where the students asked all their doubts regarding Industry recruitment and Higher studies.



OVERALL CULTURALS CHAMPIONSHIP

The students from our department engage themselves in all the sports and cultural activity. They competed in a variety of events, including dance, music, drama, debate and art. We won first place in all of the events that we competed in, and we also won the overall championship trophy. We are incredibly proud of our students accomplishments. They worked hard for months to prepare for this competition, and they were able to showcase their talents to the audience.

We would like to thank our teachers for their support. They helped us to develop our skills and to prepare for the competition. We would also like to extend the thanks to our cultural coordinator Dr.A.Umamaheswari for her continuous encouragement and support. We are excited to continue the cultural journey even in the upcoming years. We are confident about our students that they can continue to achieve great things in the future.



NSS

National Service Scheme(NSS) is a part of co-curriculum activity. The participation of volunteers will be high towards the society development activities. For this academic year a mandatory camp of 7 days that was held from 27.02.2023 to 05.03.2023. Students from our department took lead and attended the camp where they got exposed to the lifestyle of people in a village, surviving skills and educated them about various government beneficiary schemes, provided them saplings with the motto of GREEN INDIA.



SEMINAR

 **UNIVERSITY COLLEGE OF ENGINEERING,**
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TIRUCHIRAPALLI -620024

PLACEMENT CELL OF
DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY
(Dst - Fist sponsored and NBA accredited department)

Proudly Presents

A Seminar on Higher Education in Abroad

On

May 18, 2023
Dr. A.P.J Abdul Kalam auditorium (B217)| 2:00 PM



MAXIMELIA SANJAI
IELTS Trainer – Manya Education Pvt. Ltd.



The department always strive towards the development of students and had arranged a seminar highlighting the opportunities of Higher education in Abroad by Mrs. Maximelia sanjai, IELTS Trainer, Manya Education Pvt Ltd., The seminar took place on May 18th,2023 at B217 Auditorium. All the students attended and eagerly asked all their doubts.