

REGISTRATION DETAILS

All sessions are conducted through
online mode using CISCO Webex

Session timings:

10.30 am-12.00 noon & 2.00 pm-3.30 pm everyday

Link for registration

<https://forms.gle/MkDBsCapNDUc1BzbA>

Registration fees:

Rs. 300/- per participant



Please scan the QR for payment

Intended Participants

Faculty members, Research Scholars and Scientists
from Colleges/Universities/Research Labs/Industry

Registered participants will get e-certificates

Last date for registration: 24-01-2024

CONTACT

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Principal, CBIT

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One Week Online Faculty Development Programme

On

CURRENT SCIENCE AND DEVELOPMENTS IN NANOBIOTECHNOLOGY

29-01-2024 to 02-02-2024

in collaboration with
Microbiologist Society India (MSI)



ABOUT THE INSTITUTE

CBIT is one of the premier Engineering Institutes in India, and stands a pioneering position in Telangana State. CBIT is located in serene surroundings of Gandipet Lake, Hyderabad. The fact that more than 25,000 eminent and skilful graduate engineers, who are serving all over the globe in their successful careers, proves Institute's dedication to the knowledge for the past 45 years. The Institute has been accredited by NAAC-UGC with 'A++' Grade and various programs are accredited by NBA – AICTE. The institution is UGC autonomous since 2013-14. Robust academic standards, industry compliant teaching methodology, research projects from both private and public sector organizations, and consultancy practices enable the Institute to establish its unique identity in the Technical Education. Currently, CBIT offers 12 UG and 10 PG programs, and is ranked as one of the best private engineering colleges.

ABOUT THE DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology has grown in leaps and bounds. Since the inception in the year 2005, the department has proliferated brilliant biotechnologists and biochemical engineers. And it keeps proliferating talent on a regular basis, thanks to the perfect combination of state-of-the-art infrastructure and highly qualified faculty. The Department is known for providing excellent student experience in education, research and training for entrepreneurship in all aspects of Biotechnology. Currently, we have 12 faculty members, and all of them are Doctorate Degree holders from leading institutions in India for example, JNTUH, IIT and abroad.

ABOUT FDP

This FDP enlightens current science and development in Nanobiotechnology for various industrial and medical applications. It is well-known that Nanobiotechnology is a rapidly evolving field with immense potential for solving various current problems. This interdisciplinary area combines nanotechnology with biology, allowing for the manipulation and utilization of biological molecules, systems, and processes at nanoscale dimensions. Research and development in Nanobiotechnology continue to progress, paving way for ground-breaking applications. In this FDP, experts from prestigious institutes will deliver lectures on synthesis and characterization of various nanostructured materials followed by their applications in biotechnology. At the end of the FDP, a quiz on Nanobiotechnology will be conducted for the purpose of evaluation of the outcomes of this programme, and enhance the participants' understanding and participation.

KEY CONCEPTS

- Drug Delivery Systems
- Diagnostic Tools
- Therapeutics and Theranostics
- Environmental Remediation
- Food and Agriculture
- Energy Storage and Generation
- Biocatalysts
- Nano-based Materials
- Ethical and Safety Consideration

OBJECTIVES

- To understand the nature and properties of nanomaterials
- To foster a sustainable development of nanobiotechnology

OUTCOMES

After completion of the FDP, participants will be able to:

- Synthesize and characterize various types of nanomaterials
- Design target-specific nanomaterials for specific cells or organs in the body
- Evaluate the potential applications of nanomaterials in healthcare, food, defense and energy sectors

RESOURCE PERSONS

Dr. Manoj Kumar, IIT BHU Varanasi
Prof. P. Mullai, Annamalai University
Dr. Vidyani Suryadevara, Standford Medicine
Dr. Ch. Shilpa Chakra, JNTU Hyderabad
Dr. N. Arul Manikandan, Dublin City University, Ireland
Prof. Ashoutosh Panday, CBIT, Hyderabad
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