

About Institution

Vishnu Institute of Technology, Bhimavaram (VITB) was established in 2008 under the aegis of Sri Vishnu Educational Society. It is a self-financing Engineering College approved by AICTE, accredited by NBA, NAAC 'A++' Grade and an Autonomous Institute affiliated to Jawaharlal Nehru Technological University, Kakinada. VITB provides state-of-the-art facilities and infrastructure to its learning community. The institute encourages collaborative learning between industry and academia as means of reinforcing its curriculum with practical and real-world experiences. Indian Merchant's Chamber (IMC) recognized the services of VIT with its Ramakrishna Bajaj National Quality award in education sector (2010, 2011, and 2017) and Asia Pacific Quality Organization (APQO) – Best in Class Award (2012, 2018).

About Department

The Basic Science Department of VIT was established in 2008 and its present intake is 1100. Workshops, Seminars and FDPs in the emerging areas of Science are regularly organized by the department in addition to regular upgradation of curriculums and introduction of new courses. Currently, the Department has highly qualified faculty who are working on various aspects of Nano Technology and Material Science.

About PRL

The Physical Research Laboratory (PRL), Ahmadabad, Government of India, is a premier research institute engaged in basic research in the areas of Solar Physics, Planetary Science and Exploration, Space and Atmospheric Sciences, Geosciences, Atomic, Molecular and Optical Physics, Material Science and Geo chemistry.

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Five-day International Faculty Development Programme (Online)

on

“Emerging Trends in Nano Technology”

9th -13th November, 2021

(2.30PM to 4.30PM)

Organized by

DEPARTMENT OF BASIC SCIENCE (CHEMISTRY & PHYSICS)



VISHNU INSTITUTE OF TECHNOLOGY, BHIMAVARAM

An Autonomous Institute
Permanently Affiliated to JNTUK,
Kakinada

www.vishnu.edu.in



In association with
**GEOSCIENCES DIVISION,
PHYSICAL RESEARCH LABORATORY
(PRL)**
Ahmadabad

<https://www.prl.res.in>

About FDP

Nanotechnology is one of the fastest growing field in Science and Engineering. Therefore, worldwide researchers focus on exploring newer methods for the preparation and characterization of nano materials, followed by investigating their feasibility in different applications. The major aim of this FDP is to understand the recent advances, trends and challenges in the field of nanotechnology including various synthesis methods, characterization techniques and applications. Experts from various fields of nanotechnology such as Engineering, Chemistry, Batteries, Biomedical, Biology and so on will share their research findings and discuss future prospects of nanotechnology.

FDP Highlights

- ✓ The FDP intends to bring together leading academic faculty to exchange knowledge on recent innovations and insights in various fields of Nano Technology.
- ✓ It also provides a platform to start research collaborations in the future. The participants can get a chance to expand their knowledge on different streams of Nano Technology.

Objectives

- The main objective of this FDP is to understand the emerging trends and challenges in the field of Nano Technology.
- This Program is to provide a platform for clear cut ideas regarding various synthesis methods and characterizations of Nanomaterial and their biomedical and engineering applications.

Eligibility

Faculty from various AICTE, UGC approved Colleges/Institutions and working professionals from Industry/R&D/ other organizations, Research Scholars, PG Students working in various specializations and learned fraternity.

Registration Details:

Link:

<https://forms.gle/5Sxx3N9jHPetZHhZ6>

Login credentials for attending FDP will be shared through WhatsApp group.

Platform: Microsoft Teams/ZOOM and YouTube Live

Note: All the participants are requested to apply at the earliest as the seats are limited.

- *No Registration Fee*
- *Minimum 80% attendance and 60% marks in assignments are mandatory to get E-certificate.*

Schedule:

Day-1: Inauguration

Introduction to Nanotechnology

Day-2: Synthesis methods of Nano materials

Day-3: Characterization techniques of Nano Materials

Day-4: Biomedical Applications of Nano Materials

Day-5: Engineering Applications of Nano Materials
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Contact Details:

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Resource Persons:

1. Dr. Amiya Bhaumik

President & Vice Chancellor
Lincoln University College, Malaysia.

2. Dr. Pradeep Kumar Krishnan

Associate Professor
Department of Mechanical and Industrial Engineering, NUST, Muscat, Sultanate of Oman.

3. Dr. Suresh Kumar Kailasa

Associate Professor
Department of Applied Chemistry,
Sardar Vallabhbhai National Institute of Technology, Surat.

4. Prof. R.V.S. S. N. Ravikumar

Department of Physics,
Acharya Nagarjuna University, Guntur.

5. Dr. G.V.S. Murthy

Sr. Principal Scientist
Research Planning Business Development
Division, CSIR- National Metallurgy
Laboratory, Jamshedpur.

6. Dr. Penumaka Nagababu,

Sr. Scientist
Environmental Material Division,
CSIR-National Environmental Engineering
Research Institute, Nagpur.

7. Dr. Aravind Kumar Rengan

Associate Professor
Department of Biomedical Engineering,
IIT- Hyderabad.

8. Prof. Genin Gary Huang

Department of Medicine and Applied
Chemistry, Kaohsiung Medical University,
Taiwan.

9. Prof. Sankara Narayanan TSN

Professor Emeritus,
Department of Analytical Chemistry
University of Madras, Chennai.

10. Dr. Suman Gandhi

Asst. Professor,
Department of Applied Sciences, NIT- Goa.