TWO DAYS ALL INDIA SEMINAR on
ADVANCES IN NANOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT
SEPT 04- 05, 2023

REGISTRATION

Registration Fee/- (2 days Lunch, Tea, Snacks, kit inclusive)
Students (IEI Student Member & IEI Members): Rs. 300/-
Students (Non-IE Members) : Rs.400/-
Delegates from Academic / Research Institutions: Rs.750/-
Delegates from Industries: Rs.1,000/-

Last date of Registration   : 28/08/2023
Closing Dates for Papers
Submission of Full Paper (Oral & Poster) : 24/08/2023
Communication of accepted paper   : 25/08/2023
VENUE : Manakula Vinayagar Institute of Technology
Payments

Payments are optional through Cheque/ NEFT/ UPI/ G-Pay/ Demand Draft, drawn in favour of "The Institution of Engineers (India), Puducherry State Centre" payable at Puducherry.

Bank Details
Name of Beneficiary :The Institution of Engineers (India) Puducherry State Centre
Name of Bank : UCO Bank, Grand bazaar, Puducherry
A/c No : 01300110014608, IFSC Code : UCBA0000130,
UPID : ioe@ucobank

BHIM UPI payment Accepted   For Registration

Transport Facility available from
Puducherry, Villupuram, Cuddalore & Tindivanam
Accommodation will be provided for outstation participants at nearby Hotel by self payment Rs. 250/day

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The Institution of Engineers [India]

8 – Gokhale Road, Kolkata – 700020, www.ieindia.org

"102 Years of Relentless Journey towards Engineering advancement for Nation-building since 1920"

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On

ADVANCES IN NANOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT
SEPTEMBER 04- 05, 2023
Organized By
IE(I) PUDUCHERRY STATE CENTRE

No. 63- Nethaji Subash Chandra Bose Salai, PWD Campus, Puducherry – 605 001. www.ieipsc.org

The Institution of Engineers [India]

Under the Aegis of
Mechanical Engineering Division Board, IE(I)
In Association with
Department of Mechanical Engineering
MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to
Pondicherry University
Accredited by NBA & NAAC 'A' Grade
Kalitheerthalkuppam, Puducherry-605107
www.mvit.edu.in

About our Institution:

Manakula Vinayagar Institute of Technology (MIT), a unit of Sri Manakula Vinayagar group of Institutions, started in the year 2008 is located inside the Medical college campus, Kalitheerthalkuppam, Puducherry. It provides high quality technical education with a dynamic, experienced and dedicated faculty team ,state of the art lab facilities, excellent ambience for learning. Outstanding academic record, more than 90% placement in top companies, good discipline, Outcome-based education are the key features of our Institution.

Our Institution is accredited by **NBA, New Delhi and NAAC with 'A' grade** is an another milestone in the achievement history of MVIT.

Courses Offered:

Under Graduate

B. Tech - Mechanical Engineering/ Electrical and Electronics Engineering / Electronics and Communication Engg / Computer Science and Engineering / Information Technology / Robotics and Automation / Food Technology / (IoT and Cyber security including Block chain Technology) /Artificial Intelligence and Machine Learning

Post Graduate

M. Tech – Electronics and Communication Engg / Computer Science and Engineering

MBA – Master of Business Administration

About Mechanical Engineering Department:

Mechanical Engineering Department established in 2012 was accredited by NBA New Delhi in 2018 -2022. Laboratories are equipped with high tech machineries at an investment of 2 crores. Department has Qualified and experienced faculty with sound character, integrity, punctuality, good values and positive attitude. It provides real time Industrial projects. More achievements in Co/Extra Curricular Activities. More than 200 international journals/conferences with high Impact factor by our Mechanical Faculty team. Published 13 patents Granted 5 patents. Industry oriented training by Experts from core industry. Centre of Excellence by AUTODESK. Our students are the winner of Gold medal in NDRF Design contest in 2019 by IEI . URJAVARAN, SCIMIT, MITILENCE are major events hosted at National Level

SPECIAL FEATURES

- DFMA (Design for Manufacturing & Assembly), Minitab and Cut Viewer software for Students project
- Value Added Course on AUTOCAD, CREO,PDMS(Plant Design Management System), HYPER mesh, REVIT MEP, ANSYS, INVENTER, SOLIDWORKS, CFD
- Workshop / Training program on best industrial practices like 5S, KAIZEN, LEAN MANUFACTURING, TQM, TPM, SUPPLY CHAIN MANAGEMENT, INDUSTRY 4.0, SAFETY AND FIRST AID

Objectives:

✓To explore the potential of nanotechnology in achieving sustainable development goals.

✓To showcase the latest research and development in nanotechnology for sustainable development.

✓To highlight the challenges, opportunities, and ethical considerations of using nanotechnology for sustainable development.

✓To provide a platform for researchers, scientists, policymakers, and stakeholders to exchange ideas and knowledge on the subject.

Overview:

Nanotechnology is an interdisciplinary field that has revolutionized science and technology by manipulating matter at the atomic and molecular scale. It has the potential to revolutionize various fields such as energy, medicine, electronics, and environmental sustainability. The seminar aims to explore the role of nanotechnology in achieving sustainable development goals.

Topics to be covered:

✓Introduction to Nanotechnology and Sustainable Development

✓Nanotechnology for Renewable Energy: Solar Cells, Fuel Cells, and Energy Storage

✓Nanotechnology in Agriculture: Crop Enhancement and Soil Remediation

✓Nanotechnology in Water Treatment: Purification and Desalination

✓Nanotechnology in Medicine: Drug Delivery, Diagnostics, and Tissue Engineering

✓Nanotechnology in Environmental Sustainability: Waste Management and Pollution Control

✓Safety, Ethics, and Regulations of Nanotechnology Applications

Expected outcome:

The seminar will provide insights into the latest advancements and potential applications of nanotechnology for sustainable development. It will also promote collaborations and partnerships among researchers, scientists, policymakers, and stakeholders to develop innovative solutions for sustainable development.

Resource persons:

Sessions will be handled by Experts from IIT, NIT, Pondicherry University and Puducherry Technological University.

Who can attend?

The faculty members and students from Engineering colleges, Polytechnics, Universities, Research Institutions and Industries are eligible to participate in this All India Seminar on "ADVANCES IN NANOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT "

Call For Papers

All interested participants are requested to contribute technical/ research papers and case studies detailing concept, innovation, idea or practical experiences for oral as well a poster presentation. Each paper should begin with a synopsis of about 200 words and preferably within 3000 words excluding figures, tables and references. A brief bio-data (not more than half a page, affixing a photo) of the author(s) should accompany the paper.

Cash Prizes & Certificates

Cash Prizes (I, II & III) worth of Rs. 5000/- (in total) will be given to best papers presented and certificates for all participants

Publication

Technical Volume of the seminar will be published incorporating all accepted papers including write-ups on the subject for general appreciation and made available to the registered participants.

National Advisory Committee:

Chairman: President, IEI

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Members: Mechanical Engineering Division Board, IEI

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Co-ordinators:

Mr.S. Ganesh Kumar, M. Tech., (Ph.D.) AP/Mech, MVIT.

Mr. A. Thiagarajan, M. Tech., (Ph.D.) AP/Mech, MVIT.

Dr. P. Natarajan, M.Tech., Ph.D. AP/Mech, MVIT.

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