



Faculty Development Program



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Title : Harvesting Tomorrow: Renewable Energy and CO2 Sequestration for a Sustainable Future

Date : 2024-04-01 - 2024-04-05

Time : 10:00 - 17:30

Venue : TT 116

Discussion Points

- AI in energy sector
- Solar energy
- Biohydrogen and bioelectricity
- Biofuels

	<p>Resource Person 1 - Details Name : Dr M MATHESWARAN Designation : Professor, Department of Chemical Engineering University/ Company : National Institute of Technology, Tiruchirappalli Address : India, 620015.</p>
	<p>Resource Person 2 - Details Name : Dr N Samsudeen Designation : Associate Professor, Department of Chemical Engineering University/ Company : National Institute of Technology, Tiruchirappalli Address : India, 620015.</p>
	<p>Resource Person 3 - Details Name : Dr V Sivasubramanian Designation : Professor, Department of Chemical Engineering University/ Company : National Institute of Technology, Calicut Address : India, 673601.</p>
	<p>Resource Person 4 - Details Name : Dr S ANBARASU Designation : Assistant Professor, Department of Mechanical Engineering University/ Company : National Institute of Technology, Rourkela Address : India, 673601.</p>
	<p>Resource Person 5 - Details Name : Porpatham E Designation : Professor Higher Academic Grade, Automotive Research Centre University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 6 - Details Name : Velvizhi G Designation : Associate Professor Sr., CO2 Research and Green Technologies Centre University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 7 - Details Name : Rajesh Kanna Designation : Professor Grade 2, CO2 Research and Green Technologies Centre University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 8 - Details Name : Kavitha M.s Designation : Assistant Professor Sr. Grade 1, CO2 Research and Green Technologies Centre University/ Company : VIT, Vellore Address : India, 632014.</p>

	<p>Resource Person 9 - Details Name : Ramesh Kumar Singh Designation : Assistant Professor Sr. Grade 1, CO2 Research and Green Technologies Centre University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 10 - Details Name : Sreetama Ghosh Designation : Assistant Professor Sr. Grade 2, CO2 Research and Green Technologies Centre University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 11 - Details Name : Senthil Kumar A Designation : Professor Higher Academic Grade, CO2 Research and Green Technologies Centre University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 12 - Details Name : Dr A Sreekumar Designation : Associate Professor, Department of Green Energy Technology University/ Company : Pondicherry university, Pondicherry Address : India, 605014.</p>
	<p>Resource Person 13 - Details Name : Dr K KARTHICK SELVA KUMAR Designation : Assistant Professor, Department of Green Energy Technology University/ Company : Pondicherry university, Pondicherry Address : India, 605014.</p>
	<p>Resource Person 14 - Details Name : Dr N Gnanasekaran Designation : Associate Professor, Department of Mechanical Engineering University/ Company : National Institute of Technology, suratkal Address : India, 575025.</p>

Resource Person's Profile :

1. Profile of Dr M MATHESWARAN

Dr M. Matheswaran is an Associate professor in chemical Engineering department at National Institute of Technology, Trichy. His research interests include Wastewater treatment, Electrochemical engineering, Nanoparticle synthesis, Design and development of hybrid system for pollution control, Microbial fuel cell. He received his Ph.D degree in 2008 from Sunchon National University, South Korea and his bachelor and master degree from Annamalai University in Chemical Engineering.

2. Profile of Dr N Samsudeen

Dr. N. Samsudeen completed his PhD (Chemical Engg.) in the department of Chemical Engineering, National Institute of Technology, Tiruchirappalli, Tamilnadu in 2016. M.Tech. (Chemical Engineering) from Coimbatore Institute of Technology, Coimbatore, India .B.Tech (Petrochemical Technology) program in Bharathidasan University, Tiruchirappalli, Tamil

3. Profile of Dr V Sivasubramanian

Dr. N. Samsudeen completed his PhD (Chemical Engg.) in the department of Chemical Engineering, National Institute of Technology, Tiruchirappalli, Tamilnadu in 2016. M.Tech. (Chemical Engineering) from Coimbatore Institute of Technology, Coimbatore, India .B.Tech (Petrochemical Technology) program in Bharathidasan University, Tiruchirappalli, Tamil

4. Profile of Dr S ANBARASU

He completed his P.hd in Fluid and Thermal Engineering Indian Institute of Technology Guwahati, Guwahati, Assam, India. M.E., Thermal Engineering in Institute of Road and Transport Technology, Anna University, Chennai, India. B.E., Mechanical Engineering Sri Venkateswara College of Engineering, Anna University, Chennai, India. Expertise in Hydrogen Energy (Storage and Applications), Thermal energy storage, Heat transfer-related problems, Renew

5. Profile of Porpatham E

Internal Combustion Engineering
Gaseous Fuelled SI Engines
Engine Management Systems
Waste-to-Energy

6. Profile of Velvizhi G

Biohydrogen
Waste-to-Energy

7. Profile of Rajesh Kanna

Co2 sequestration and heat transfer

8. Profile of Kavitha M.s

Co2 sequestration and biofuels

9. Profile of Ramesh Kumar Singh

Fuel cells and battery storage

10. Profile of Sreetama Ghosh

Electrochemical reduction and co2 sequestration.

11. Profile of Senthil Kumar A

Electrochemistry and batteries.

12. Profile of Dr A Sreekumar

He is working as Associate Professor in Department of Green Energy Technology. Received PhD from Cochin University of Science and Technology, Kochi with specialization in Solar Thermal Engineering. I am teaching the subjects Solar thermal energy, heat transfer and energy management for our M.Tech students. He completed two research projects in thermal energy storage funded by the Department of Science and Technology, Govt. of India.

13. Profile of Dr K KARTHIK SELVA KUMAR

He started his career to satisfy his passion for teaching and research by Joining National Institute of Technology (NIT)-Jamshedpur from 2016 and worked until the mid of 2018. Then later he Joined IIT-Guwahati as a Post-Doctoral Fellow to enhance his research activities in the field of Fluid Structure Interaction on Wind Turbines and its associated Structures until Jan 2020. He was offered a Research Position in The School of Energy and Power Engineering (SEPE) at University of Shanghai china

14. Profile of Dr N Gnanasekaran

He is working as Associate Professor, National Institute of Technology Karnataka, Surathkal. Hie expertise area in Inverse Heat Transfer, Heat Transfer in Metal Foams, Microchannel Heat Transfer, Optimization.

The increasing global challenges of climate change and energy security demand a paradigm shift towards sustainable practices. This proposed Faculty Development Program (FDP) event, titled "Harvesting Tomorrow," aims to explore the pivotal role of renewable energy sources and CO2 sequestration technologies in forging a sustainable future. The event will bring together educators, researchers, and professionals to delve into innovative approaches and methodologies that address the pressing issues of environmental degradation and resource depletion.

Smart grid management tool

**Coordinator's: Prof. KAVITHA M.S 12575 - Assistant Professor Sr. Grade 1 - CO2
Prof. MURUGAVELH S 14016 - Professor Grade 2 - CO2**