

6.3.3 Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year			
Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching	No. of participants
5.08.23	Orientation programme for faculty members		120
07-08-2023 to 11-08-23	Faculty Development Programme on CE3391-FLUID MECHANICS AND MACHINERY		150
22.08.23 to 26.08.23	5G NETWORKS & BEYOND		75
31/07/2023 to 04/08/2023	Research Prospective for Sustainable Development on Industrial Revolution through Chemical Technology		80
24.07.23 to 28.07.23	Green Technology and Sustainability		85
17/07/2023 to 21/07/2023	Recent Trends and Challenges in Power Generation and Power Quality Improvement Technique		50
17.10.2023 to 21.10.2023		FUSION 360	55



PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, COIMBATORE - 641 105.


1. Orientation programme for faculty members


The Centre for Teaching and learning cell of our college organised the orientation programme for faculty members on 05.08.23






2. Faculty Development Programme on CE3391-FLUID MECHANICS AND MACHINERY

**JCT**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai & Accredited by NAAC
Pichanur, Coimbatore - 641105 | info@jct.ac.in | www.jct.ac.in | 0422 2636900


**NAAC**
ACCREDITED
A Grade
Engineering & Technology

**INSTITUTION'S INNOVATION COUNCIL**
Initiative of HRD Initiative


Department of
Mechanical Engineering
Organizing

5Days Online Faculty
Development Programme on
**CE3391 - FLUID
MECHANICS AND
MACHINERY**

07 - 11 AUG-2023
AT 10:30 AM

 **MEDIUM GOOGLE MEET**
<https://meet.google.com/cnu-pqgf-zsz>

TO PAYMENT




Reg. Fee : Rs 100/-

Registration Link :
<https://forms.gle/ZseyDSvnUsp58zFh6>


Coordinators : Prof.D.AshokKumar, Dr.I.J.Isaac Premkumar & Prof.M.Prabhu
Convenor : Dr.G.Mahesh HoD/Mech

09-AUG-2023




Dr.G.NAVANEETHAKRISHNAN
ASSOCIATE PROFESSOR / MECHANICAL ENGG.
QIS COLLEGE OF ENGINEERING AND
TECHNOLOGY, ANDHRA PRADESH,

07-AUG-2023




Prof.N.S.SIVAKUMAR
ASSOCIATE PROFESSOR
TISHK INTERNATIONAL UNIVERSITY
UNIVERSITY IN ERBIL, IRAQ

10-AUG-2023




Dr.D.KASINATHAN
PROPRIETOR
KLOT AUTOMOBILES, CHENNAI.

08-AUG-2023



Dr.R.LALITH NARAYANA
PROFESSOR / MECHANICAL DEPARTMENT
SWARNANANDHRA COLLEGE OF ENGINEERING
AND TECHNOLOGY(A) NARSAPUR,
WEST GODAVARI DISTRICT

11-AUG-2023



Dr.M.PONRAJAN VIKRAM
PROFESSOR / MECHANICAL DEPARTMENT
SAVEETHA SCHOOL OF ENGINEERING,
CHENNAI.

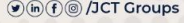
Founder
Thiru.S.A.Subramanian

Chairman
Thiru.R.Arulselvan

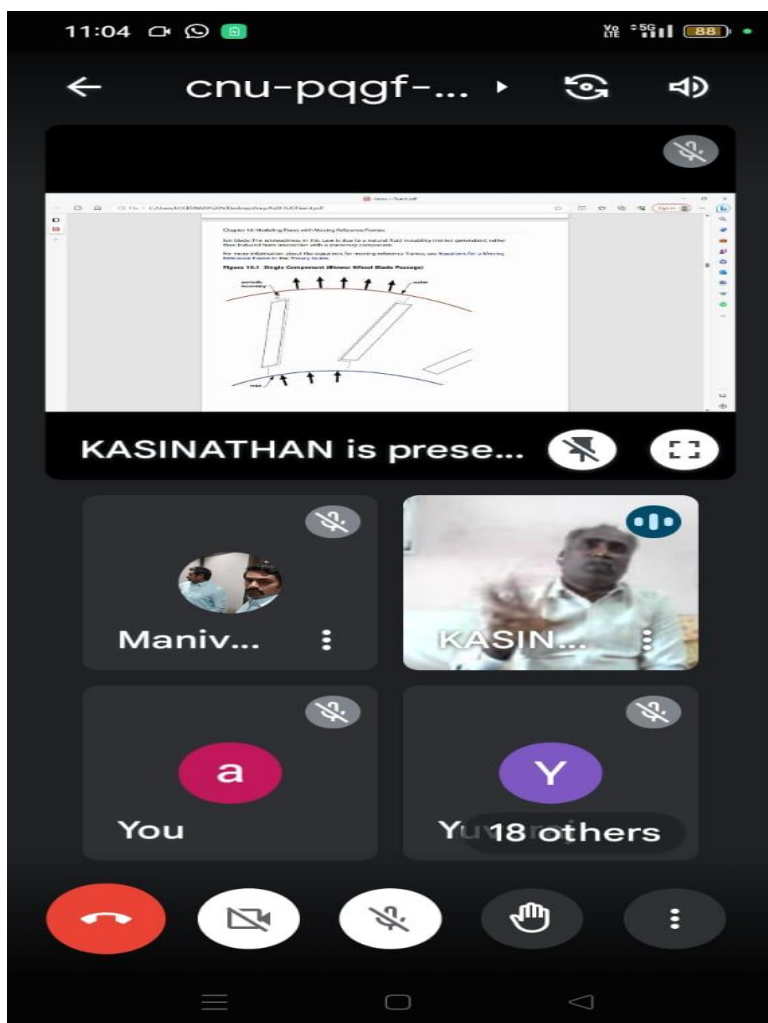
Vice Chairman
Thiru.R.Gautaman

Secretary
Thiru.R.Durga Shankar

Principal JCTCET
Dr.S.Manoharan

 /JCT Groups

WWW.JCT.AC.IN



Department of Mechanical Engineering organized a Five day online Faculty Development programme on the topic “CE3391-FLUID MECHANICS AND MACHINERY” from 07/08/2023 to 11/08/2023 using google meet platform-<https://meet.google.com/cnu-pqgf-zsz>.

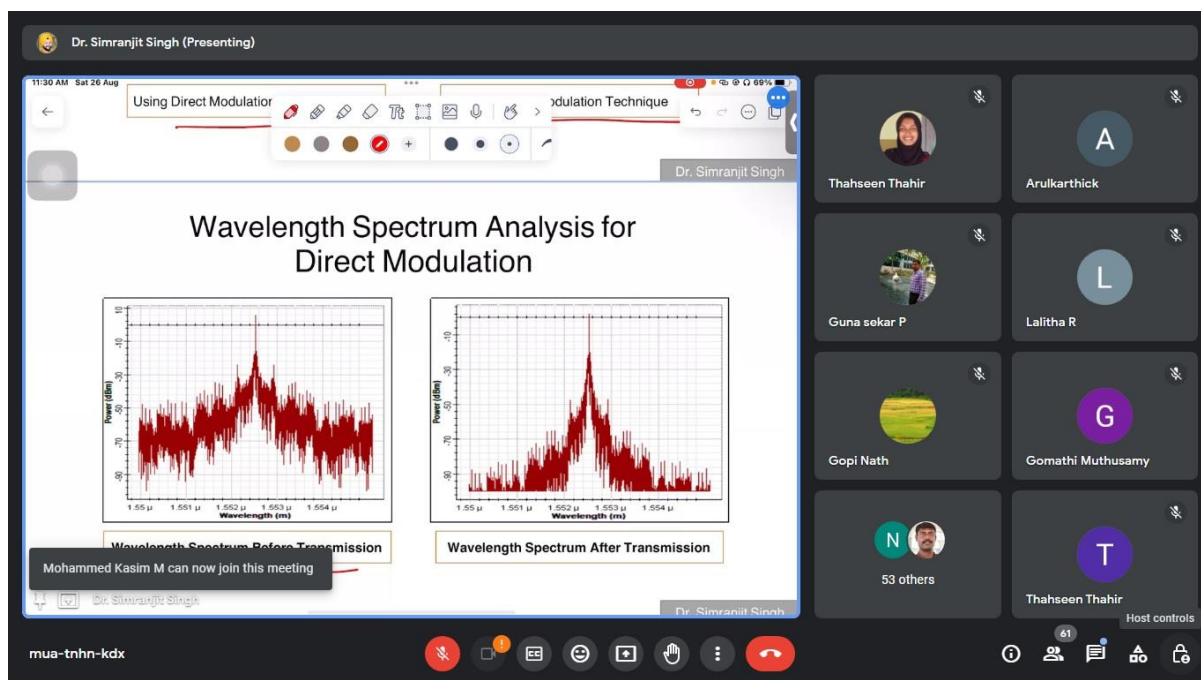
Our beloved Principal, Dr. S. Manoharan had given the presidential address, and our HOD/Mech, Dr.G. Mahesh had addressed the gathering.

The Online sessions were organized successfully by Prof.D.AshokKumar & Prof.M.Prabhu and feedback form was sent and received from the participants of various institutions by Dr.I.J.Isaac PremKumar. More than 150 participants were benefitted.

Finally, Vote of thanks was given by Prof.R.Mahendran.

3. Online FDP on the topic 5G NETWORKS & BEYOND

Department of Electronics and Communication Engineering organized a five days online FDP on the topic “5G NETWORKS & BEYOND” from 22/08/2023 to 26/08/2023, 11.00 am to 12.30 pm using google meet platform. Dr.V.J.Arulkarthick, Director IQAC & HoD/ ECE, JCT College of Engineering and Technology, Coimbatore addressed the gathering.



Day-1:

The first technical session was on the topic Introduction to 5G Technology and the guest speaker was Dr.Gunasekaran, Professor, Department of ECE, University of Technology and Applied Sciences, Muscat. He discussed on Channel capacity theorem using MIMO. He focused mainly on multimode channel capacity and discussed about how to reduce the spacing in conventional Antenna.

Day-2:

Dr.S.Ravi Chand, Professor & Head, Department of ECE, Nalla Narasimha Reddy Education Society's Group of Institutions, Hyderabad discussed on the topic 5 G Core. He also discussed the challenges and sustainability issues beyond 5G. The lecture was very beneficial and provided an insight on the various challenges associated which technology has to overcome.

Day-3:

Dr.Vijayalakshmi Chinthamaneni, Associate Professor, Department of ECE, St Peter's Engineering College, Hyderabad has explained the topic on 5G Network and Security. She explained about the Advantages and Disadvantages of 5G, Business Model Evaluation and also Specific 5G use cases in Industry.

Day-4:

Dr.V.J.Arulkarthick Director IQAC & HoD/ ECE, JCT College of Engineering and Technology, Coimbatore has given his insights on the topic 5G and Future Trends in mm Wave

Antenna. He discussed about the new developments in 5G, Network based sensing, Network slicing, 5G bands that are supported in India, five major challenges in mm wave Antenna in phones and also mentioned about the application and usage of mm waves.

Day-5:

Dr. Simranjit Singh, Associate Professor, Department of ECE, Punjab Engineering College, Chandigarh, has given his talk on the topic Optical Network in 5G and Research Challenges. He discussed about Quantum communication, Optical Antennas with the participants. He signified the importance of how to discover the solutions for field related issues in today's industries and also discussed about the new development trends in optical networks.

The Online sessions were organized successfully by Department FDP Co-Ordinator Mr. K. Babu, Assistant Professor along with Department Faculties and an online feedback form link & certificates were given to the participants of various institutions who attended the programme. Finally, Vote of thanks was given by Mrs. Tahseen Thahir, Assistant Professor, ECE Department.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "FR1 vs FR2" with a red arrow pointing to the number "3". The slide contains three diagrams illustrating different 5G frequency bands: LOW BAND, MID BAND, and HIGH BAND. Each diagram shows a cityscape with buildings and a signal tower, with waves representing the frequency band. Below the diagrams, there are three text boxes: "LOW BAND: Long waves have great range and aren't affected by obstacles, bringing 5G to more places.", "MID BAND: Mid-length waves bring a balance between speed and range, covering a broad area with fast speeds.", and "HIGH BAND: Short waves cover a small area and are capable of super-fast data transmission, but can't penetrate buildings." At the bottom of the slide, there is a reference: "Ref 1: Ravilla Dilli, 'Analysis of 5G Wireless Systems in FR1 and FR2 Frequency Bands', IEEE Xplore, April 2020, <https://ieeexplore.ieee.org/document/9074973>". The right side of the screen shows a grid of participant avatars, including TGS (Presenting), Revathi N, Tahseen Thahir, Arulkarthick, Gomathi Muthusa..., praba karan, 57 others, and Babu .k. The bottom of the screen shows the Zoom toolbar with icons for mute, video, chat, and other controls.



4. Research Prospective for Sustainable Development on Industrial Revolution through Chemical Technology

ORGANISING COMMITTEE

CHIEF PATRONS
Thiru. R. ARULSELVAN
Chairman
Thiru. R. GAUTAMAN
Vice Chairman
Thiru. R. DURGA SHANKAR
Secretary

PATRON
Dr. S. MANOHARAN
Principal

FACULTY DEVELOPMENT PROGRAMME ON
RESEARCH PROSPECTIVE FOR SUSTAINABLE DEVELOPMENT ON INDUSTRIAL REVOLUTION THROUGH CHEMICAL TECHNOLOGY
July 31st to August 4th, 2023
Timing : 11 am to 12 pm

WHO CAN ATTEND
Faculty / Industry Persons / Research Scholars

REGISTRATION LINK
<https://forms.gle/myH5uHfeA5JfMs2z8>

PLATFORM : GOOGLE MEET
<https://meet.google.com/rzd-bqvh-kme>

FOR FURTHER DETAILS CONTACT
Ms. V. SUPRIYA
Assistant Professor
Department of Petroleum Engineering
Mail : jctcetpe@gmail.com
Contact No. : 7893449331, 9566068836

CONVENER
Dr. S. VENKATESH BABU
Professor and Head
Department of Petroleum Engineering

COORDINATORS AND CO-COORDINATORS
Ms. V. SUPRIYA
Assistant Professor
Department of Petroleum Engineering
Dr. M. J. A. Prince
Associate Professor
Department of Petroleum Engineering

5 Days Online Faculty Development Program on
RESEARCH PROSPECTIVE FOR SUSTAINABLE DEVELOPMENT ON INDUSTRIAL REVOLUTION THROUGH CHEMICAL TECHNOLOGY
Organized by
Department of Petroleum Engineering
31st JULY 2023 - 04th AUGUST 2023

Department of Petroleum Engineering organized a Five days online FDP on the topic “Research Prospective for Sustainable Development on Industrial Revolution through Chemical Technology” from 31/07/2023 to 04/08/2023, 11.00 am to 12.00 pm using google meet platform. Our HOD/PE, Dr. S. Venkatesh Babu had addressed the gathering.

Objective:

Professional development for teachers according to the department vision & mission with reference to the curriculum.

Day-1:

The first technical session was on the topic Biohydrogen production from industrial wastewater using Artificial Photo- Assisted Microbial Electrolysis Cell and the guest speaker was Dr.Keruthiga, Assistant professor, Department of chemical Engineering, Arunai Engineering college. She discussed on biohydrogen production. She focused mainly on energy source and microbial electrolysis cell, which has lot of scope in energy industries.

Day-2:

Dr.Subbaramaiah.V working as Associate Professor in the Department of Chemical Engineering, MNIT ,Jaipur discussed the use of technology in hydro-desulfication of crude oil. He also discussed the latest trends which are observed in various institutes and the perception of scientists regarding the same. The lecture was very beneficial and provided an insight on the various challenges associated which technology has to overcome.

Day-3:

Drillshore academy from cochin has explained the importance of certification course in oil and gas industry. They have explained about the opportunities in Arab countries. The final year students has also participated and their was interaction between them regarding the courses.

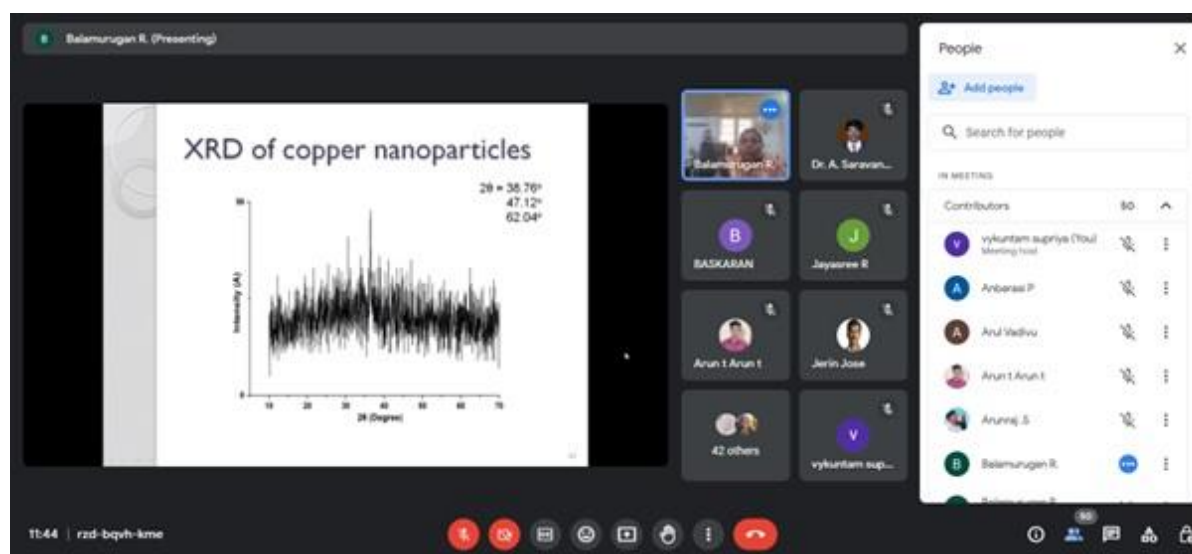
Day-4:

Mr. Kartheikeyan. S, Research Scholar, Department of Chemical Engineering, IIT-Madras have given his insights on simulation in industrial revolution. How the modelling and simulation are designed based on the problem and optimization. There were some simulation software, which were discussed between the participants and speaker.

Day-5:

Mr. Aroon Bhanu, The Piping institute, Ernakulam, Kerala has given his talk on piping engineering. He has shared his experience as a piping enginer to the participants. He signified the importance on field knowledge in Petroleum engineering. How to discover the solutions for field related issues and role of pipe manufacturing in today's leading energy industries has been stated by the speaker.

The Online sessions were organized successfully by Mrs. V. Supriya and Petroleum Department and feedback form was sent and received from the participants of various institutions. Finally, Vote of thanks was given by Dr. M. J. A. Prince.



Subba Ramiah (Presenting)

World Energy Consumption

Energy Source	Percentage
Oil	31%
Coal	29%
Natural gas	21%
Biofuels and waste	10%
Nuclear	5%
Hydro	3%
Others	1%

Fig. 1 World Energy consumption in 2013 (Data source: International Energy Agency, 2015)

11:15 | rzd-bqvh-kme

29°C Mostly sunny

Search

11:15 AM 09-08-2023

KARTHIKEYAN (ITM) (Presenting)

GENERAL THINGS OF IDENTIFICATION

- ✓ Model validation
- ✓ Model refinement
- ✓ Guidelines for obtaining good results

11:51 | rzd-bqvh-kme

29°C Mostly sunny

Search

11:51 AM 09-08-2023

People

Add people

Search for people

IN MEETING

Contributors 34

- vykuntam supriya (Host) Meeting host
- Anbu Arasi
- Anila R
- Anil Vadiya
- Baskaran R
- Chellappa HSB

5. Green Technology and Sustainability



5 DAYS ONLINE FACULTY DEVELOPMENT PROGRAM on “Green Technology and Sustainability” organized by the Department of Petrochemical Engineering, JCT College of Engineering and Technology, Coimbatore during the duration 24th July to 28th July 2023 was successfully completed.

Day 1: July 24, 2023 Dr. S. Kavitha, professor and head of the department of petrochemical engineering, delivered the welcome address and the inaugural address. Prof. Kaviyarasan, Assistant Professor in the department of petrochemical engineering, delivered the keynote address for session 1. Session 1: "SYNTHESIS AND EVALUATION OF PVDF-SPES HYDROPHILIC COMPOSITE MEMBRANES" by Dr. Shyamsunder Mishra, Professor, Department of Chemical Engineering, Agni College of Technology, Chennai, Tamil Nadu-603103. Session 2's keynote speech was delivered by Prof. J. Praveenkumar, an assistant professor in the department of petrochemical engineering. Dr. M. Lakshmi Prabha, Assistant Professor in the department of biotechnology at Karunya University in Coimbatore, Tamil Nadu, gave the presentation for session two. "GREEN TECHNOLOGY IN WASTE MANAGEMENT" in the title. Mr Rajkumar., Assistant Professor, Department of Petrochemical Engineering ended the Day 1 session with vote of thanks to every participants who took part in the online FDP.

Day 2: July 24, 2023 Prof. A Rajkumar., Assistant Professor, Department of Petrochemical Engineering, welcomed the participants for Day 2 FDP sessions and delivered the keynote address for Session 1. Dr. R. Palani, Associate Professor, Dept of Chemical Engineering, Sri Venkateswara College of Engineering, Sriperumbudur, Chennai., presented in the topic “STRATEGIC CONTROL OF CO2 EMISSIONS IN THE ENVIRONMENT”. Followed by Session 2's keynote speech was delivered by Prof. J. Praveenkumar, Assistant Professor., Department of Petrochemical Engineering, after that. Dr. A.Saravana Raj Assistant Professor, Dept. of Chemical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, gave the presentation in the topic “SUSTAINABLE

DEVELOPMENT IN BIOCHEMICAL ENGINEERING". Prof. A Rajkumar., Assistant Professor, Department of Petrochemical Engineering ended the Day 2 session with vote of thanks to every participants who took part in the online FDP.

Day 3: July 26, 2023 Prof. A Rajkumar., Assistant Professor, Department of Petrochemical Engineering, welcomed the participants for Day 3 FDP sessions and delivered the keynote address for Session 1. Dr. P. Sivakumar., Assistant Professor., Dept. of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore, presented in the topic "RECOVERY OF METALS FROM E-WASTE USING ELECTROCHEMICAL METHODS". Followed by Session 2's keynote speech was delivered by Prof. J. Praveenkumar, Assistant Professor., Department of Petrochemical Engineering, after that. Mrs. N. Umaiyambika, Associate Professor Dept of Chemical Engineering, Saveetha Engineering College Sriperumbudur Taluk, Chennai, gave the presentation in the topic "THE LAND-WATER-ENERGY NEXUS OF BIOFUELS". Prof. A Rajkumar., Assistant Professor, Department of Petrochemical Engineering ended the Day 3 session with vote of thanks to every participants who took part in the online FDP.

Day 4: July 27, 2023 Prof. J Praveenkumar., Assistant Professor, Department of Petrochemical Engineering, welcomed the participants for Day 4 FDP sessions and delivered the keynote address for Session 1. Dr.V.Saravanan., Associate Professor, Dept. of Chemical Engineering, Annamalai University, Chidambaram, presented in the topic "AIR POLLUTION". Followed by Session 2's keynote speech was delivered by Prof. A Rajkumar, Assistant Professor., Department of Petrochemical Engineering, after that. Dr. G.Jeevarathinam., Associate Professor and Head, Dept of Food Technology, Hindustan College of Engineering and Technology, Coimbatore, gave the presentation in the topic "NOVEL FOOD PROCESSING TECHNIQUES". Prof. A Rajkumar., Assistant Professor, Department of Petrochemical Engineering ended the Day 4 session with vote of thanks to every participants who took part in the online FDP.

Day 5: July 28, 2023., Prof. J. Praveenkumar., Assistant Professor, Department of Petrochemical Engineering, welcomed the participants for final day of FDP sessions and delivered the keynote address for Session 1. Mr. Harish Doneparthi., Research Scholar, Dept. of Chemical Engineering, Indian Institute of Technology Madras (IITM), Chennai, presented in the topic "SUSTAINABLE GREEN CHEMICAL TECHNOLOGY FOR DEVELOPMENT IN PROCESS INDUSTRIES". Followed by Session 2's keynote speech was delivered by Prof. J. Praveenkumar, Assistant Professor., Department of Petrochemical Engineering, after that. Dr. R. Emilin Renitta., Associate Professor, Dept. of Food Processing Technology, Karunya University, Coimbatore., gave the presentation in the topic "BACTERIOPHAGES IN GREEN BIOTECHNOLOGY". Prof. A Rajkumar., Assistant Professor, Department of Petrochemical Engineering ended the final day session with vote of thanks and appreciated every participant who took part in the online FDP on "Green Technology and Sustainability" for successful completion.

ORGANIZING COMMITTEE

CHIEF PATRONS

Thiru. R. ARULSELVAN
Chairman

Thiru. R. GAUTAMAN
Vice Chairman

Thiru. R. DURGA SHANKAR
Secretary

PATRON

Dr. S. MANOHARAN
Principal

CONVENER

Dr. S. KAVITHA
Professor and Head
Department of Petrochemical Engineering

CO-ORDINATORS

Mr. A. RAJKUMAR
Assistant Professor
Department of Petrochemical Engineering

Mr. J. PRAVEENKUMAR
Assistant Professor
Department of Petrochemical Engineering

Mr. K. KAVIYARASAN
Assistant Professor
Department of Petrochemical Engineering

FDP ON “GREEN TECHNOLOGY AND SUSTAINABILITY”

July 24th to 28th, 2023 | Time 10:30am – 1:30pm

WHO CAN ATTEND :
Faculty/ Industry Persons / Research Scholars

REGISTRATION FEE Rs.100/-

REGISTRATION LINK :
<https://forms.gle/45c9cxFdMud53Mb7>

PLATFORM : GOOGLE MEET
<https://meet.google.com/qem-gain-uok>

CERTIFICATE OF PARTICIPATION :
The certificate will be issued for the participants who attain 80% of attendance.

The seats are limited. Participants are advised to apply at the earliest.

FOR MORE INFORMATION
PLEASE CONTACT

Mr. A RAJKUMAR
Assistant Professor
Department of Petrochemical Engineering

Mail : pcajct@gmail.com

Contact No. : 9486407006, 9597974806

www.jct.ac.in



24th July
28th July

Online Faculty
Development Program on
**GREEN TECHNOLOGY
AND SUSTAINABILITY** 2023

Organized by
**DEPARTMENT OF
PETROCHEMICAL ENGINEERING**

ABOUT THE COLLEGE

JCT College of Engineering and Technology started in the year 2009 and run by Shri Jagannath Educational Health and Charitable Trust, with the congenial and well-developed green campus. Under the able guidance and patronage of Thiru. S.A. Subramanian, Chairman, Shri R. Durga Shankar Secretary the college has developed excellent facilities and such as spacious classrooms, seminar halls, well-equipped laboratories, workshops, well-stocked libraries, dedicated high speed broadband Internet connectivity and well-qualified faculty. The Institute offers Eleven UG and four PG Programmes in Engineering & Technology and accredited by NAAC.

ABOUT THE DEPARTMENT

The Petrochemical Engineering Department is accredited by NBA, which is equipped with state-of-the-art learning facilities and laboratories to prepare our graduates in ever growing field of Petrochemical Engineering. The program intends to create technical professionals who are fit to take on engineering responsibilities across the entire value-chain in the Oil & Gas Industry - a specialization that has seen growing demand in the recent years, with a focus on Petrochemical Engineering.

ABOUT THE FDP

The FDP on Green Technology and Sustainability aims to address the pressing need for faculty members to stay updated with the latest advancements, research, and practices in the field. By providing faculty members with specialized training and resources, the programme enables them to incorporate green technology and sustainability concepts across various disciplines and engage students in critical thinking and problem-solving related to environmental challenges.

A Faculty Development Programme on Green Technology and Sustainability is crucial for empowering educators with the knowledge, skills, and resources to promote sustainable practices and environmental stewardship among students. By providing a platform for learning, collaboration, and resource development, such a programme ensures that faculty members are well-equipped to incorporate green technology and sustainability principles into their teaching methodologies. The integration of sustainability across academic disciplines prepares students to become responsible global citizens, capable of addressing the environmental challenges of the future. Through collective efforts and continuous professional development, faculty members can lead the way towards a sustainable and environmentally conscious society.

Resource Persons



Dr. R. PALANI
Associate Professor
Dept of Chemical Engineering,
Sri Venkateswara College of Engineering,
Sriperumbudur, Chennai, Tamil Nadu.



Dr. G. JEEVARATHINAM
Associate Professor and Head
Dept. of Food Technology
Hindusthan College of Engineering
and Technology Coimbatore,
Tamil Nadu.



Dr. SHYAMSUNDER MISHRA
Professor
Dept. of Chemical Engineering
Agni College of Technology
Chennai, Tamil Nadu.



Dr. A. SARAVANA RAJ
Assistant Professor
Dept. of Chemical Engineering,
Vel Tech High Tech Dr. Rangarajan
Dr. Sakunthala Engineering College
Chennai, Tamil Nadu.



Dr. R. EMILIN RENITTA
Associate Professor
Department of Food Processing Technology,
Karunya University, Coimbatore,
Tamil Nadu.



Dr. P. SIVAKUMAR
Assistant Professor
Dept. of Chemical Engineering,
Coimbatore Institute of Technology,
Coimbatore, Tamil Nadu.



Dr. V. SARAVANAN
Associate Professor
Dept. of Chemical Engineering
Annammalai University, Chidambaram,
Tamil Nadu.



Dr. M. LAKSHMI PRABHA
Assistant Professor (S.I.G.)
Department of Biotechnology,
Karunya University, Coimbatore,
Tamil Nadu.



Mrs. N. UMAIYAMBIKA
Associate Professor
Dept. of Chemical Engineering
Sivetha Engineering College
Sriperumbudur Taluk, Chennai,
Tamil Nadu.



Mr. Harish Doneparthi
Research Scholar
Dept. of Chemical Engineering,
Indian Institute of Technology Madras
(IITM), Chennai, Tamil Nadu.

6. Recent Trends and Challenges in Power Generation and Power Quality Improvement Technique

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

JCT
COLLEGE OF ENGINEERING AND TECHNOLOGY
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai & Accredited by NAAC
Perthambur, Coimbatore - 641105 | info@jct.ac.in | www.jct.ac.in | 0422 2636996

5 DAYS
VIRTUAL FACULTY DEVELOPMENT PROGRAM ON
**RECENT TRENDS AND CHALLENGES IN
POWER GENERATION AND POWER
QUALITY IMPROVEMENT TECHNIQUES**

**17 FROM JULY 2023
TO 21 JULY 2023**

ORGANIZED BY DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

19-07-2023
Mr. M. VIJAYAKUMAR
ASSISTANT ENGINEER,
OPERATION AND EFFICIENCY, MTPS-1

Ms. B. SASIREKHA
Assistant Engineer / Training, Training
& Environment, MTPS-1
18-07-2023

Er. V. S. SRIRAJA BALAGURU
ASSISTANT ENGINEER/ ELECTRICAL, CONTROL &
INSTRUMENTATION DIVISION, MTPS-2
20-07-2023

Er. D. IYAPPAN
ASSISTANT ENGINEER/ ELECTRICAL,
CONTROL AND INSTRUMENTATION
DIVISION, MTPS-2
17-07-2023

21-07-2023
Dr. S. SENTHILKUMAR
Assistant Executive Engineer,
TNSLDC, TANTRANSOCO, Chennai

Registration Link <https://forms.gle/BmbYtC6aW1wwLBCCA>

MEDIUM : GOOGLE MEET :
<https://meet.google.com/wzc-gbgk-dqz>

Coordinators : Prof. M. shanthi AP/EEE & Prof. M. Devika AP/EEE

Convenor : Dr. K. Geetha HoD/EEE

Founder
Thiru.S.A.Subramanian

Chairman
Thiru.R.Arulselvan

Vice Chairman
Thiru.R.Gautaman

Secretary
Thiru.R.Durga Shankar

Principal JCTCET
Dr.S.Manoharan

[Twitter](#) [LinkedIn](#) [Facebook](#) [Instagram](#) /JCT Groups

WWW.JCT.AC.IN

Department of Electrical and Electronics Engineering organized a Five days online Faculty Development programme on the topic “Recent Trends and Challenges in Power Generation and Power Quality Improvement Techniques” from 17/07/2023 to 21/07/2023, 11.00 am to 12.00 am using Google meet platform. Our beloved Principal, Dr. S. Manoharan had given the presidential address and HOD/EEE, Dr.K. Geetha had addressed the gathering.

The Online sessions were organized successfully by Prof.M.Devika, Prof.J.Priyadharshini and EEE team and feedback form was sent and received from the participants of various institutions.Finally, Vote of thanks was given by Prof.D.Nagarajan.

CE MTPS (Presenting)

SELF EXCITED GENERATORS

The small amount of magnetism is present in the rotor iron. This residual magnetic field of the main poles, induced an electromotive force in the stator coils, which produces initial current in the field windings.

Due to flow of small current in the coil, an increase in magnetic field occurs. As a result, voltage output increases, in turn, increases the field current.

CE MTPS

Vinoth Raj T can now join this meeting

freeda rani

Priyadharshini Ja...

Rashid M

Joshua Daniel

Elavarasi Rajasek...

SRIRAM R APTEE...

30 others

eee jct

11:13 AM | wzc-gbgk-dqz

Dr. SENTHILKUMAR SUBRAMANIAN Ph.D (Presenting)

ALL INDIA INSTALLED CAPACITY (IN MW) OF POWER STATIONS
(BY UTILITIES)

Region	Ownership Sector	Thermal				Black coal based				Renewables				Grand Total
		Coal	Gas	Nuclear	Hydro	Coal	Gas	Nuclear	Hydro	Solar	Wind	Small		
Northern Region	State	11885.00	1280.00	2019.00	0.00	21913.00	0.00	4008.00	747.00	9186.40	20748.80			
	Private	22425.75	1180.00	180.00	0.00	24385.75	0.00	2347.00	5284.54	30281.29	40524.67			
	Central	19247.04	1280.00	2019.00	0.00	21927.04	0.00	1942.00	1192.51	1395.90	11887.41	21428.83		
	Sub Total	53557.79	3740.00	4018.00	0.00	61315.79	0.00	8297.00	2464.05	13562.94	34757.50	118734.83		
Western Region	State	21190.00	0.00	0.00	0.00	21190.00	0.00	3448.00	500.00	2646.75	31846.00			
	Private	11002.72	100.00	4750.00	0.00	16752.72	0.00	485.00	600.00	4200.00	17338.72			
	Central	21190.00	0.00	0.00	0.00	21190.00	0.00	3448.00	500.00	2646.75	31846.00			
	Sub Total	32392.72	100.00	4750.00	0.00	37942.72	0.00	833.00	1100.00	6846.75	49184.72			
Southern Region	State	13154.00	1280.00	2019.00	0.00	16453.00	0.00	0.00	5000.00	5100.00	6000.00			
	Private	13154.00	1280.00	2019.00	0.00	16453.00	0.00	0.00	5000.00	5100.00	6000.00			
	Central	13154.00	1280.00	2019.00	0.00	16453.00	0.00	0.00	5000.00	5100.00	6000.00			
	Sub Total	26308.00	2560.00	4038.00	0.00	32906.00	0.00	0.00	10000.00	10200.00	12000.00			
Eastern Region	State	10000.00	0.00	0.00	0.00	10000.00	0.00	0.00	0.00	0.00	0.00			
	Private	10000.00	0.00	0.00	0.00	10000.00	0.00	0.00	0.00	0.00	0.00			
	Central	10000.00	0.00	0.00	0.00	10000.00	0.00	0.00	0.00	0.00	0.00			
	Sub Total	20000.00	0.00	0.00	0.00	20000.00	0.00	0.00	0.00	0.00	0.00			
North Eastern Region	State	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	Central	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	Sub Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Islands	State	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	Central	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	Sub Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ALL INDIA	State	51937.00	1180.00	2019.00	0.00	55936.00	0.00	21913.00	2464.05	22746.80	34757.50			
	Private	22425.75	1180.00	180.00	0.00	24385.75	0.00	2347.00	5284.54	30281.29	40524.67			
	Central	50794.04	2560.00	4038.00	0.00	57452.04	0.00	8297.00	2464.05	13562.94	34757.50			
	Total	102731.79	3740.00	4018.00	0.00	112837.79	0.00	10594.00	4948.59	36309.74	69282.03			

Dr. SENTHILKUMAR SUBRAMANIAN Ph.D

JOB BABU has left the meeting

Priyadharshini J...

GOPINATH B

rathna mala

Professor EEE

16 others

eee jct

10:12 AM | wzc-gbgk-dqz

People

Add people

Search for people

IN MEETING

Contributors

23

eee jct (You)

Meeting host

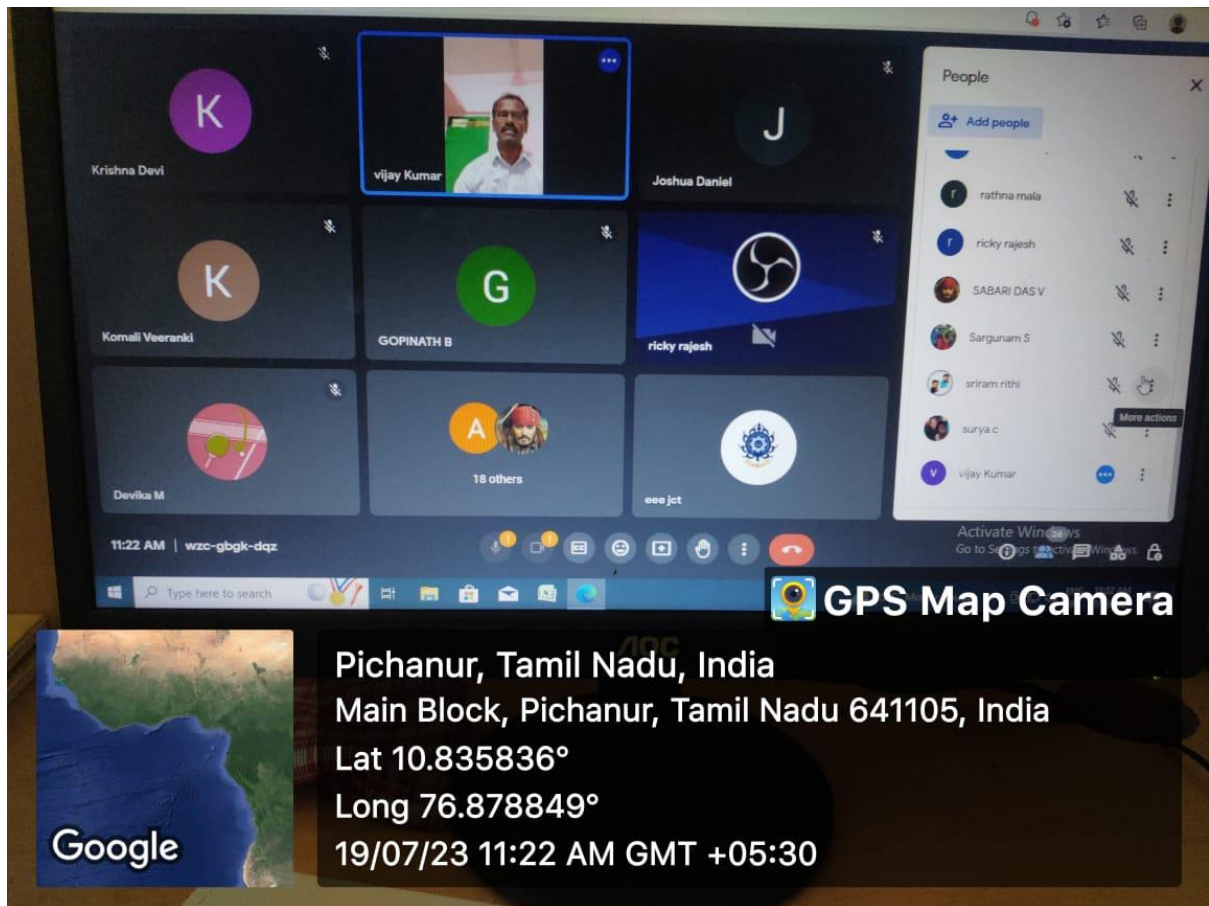
Ajanya Stephy A

Ananthamoorthy NP

Arya Mohan

Dr. SENTHILKUMAR SUB...

Dr. SENTHILKUMAR SUB...



7. FUSION 360







5 days

Faculty Development Programme on

FUSION 360

17 - 21 OCT-2023 AT 12.30 PM TO 1.30 PM

in associate with BIMLABS GLOBAL

Organized by Department of Civil Engineering

Registration Fee

Rs 100/-

Registration Link

<https://surveyheart.com/form/652a27a05a831f1249e96f61>

Resource Person

ROHIT CHANDRAN R

TECHNICAL MANAGER PLM & HEAD - ACADEMIC TECHNICAL



Coordinators : Jagedeswari R, Reshma P D & Arulganapathy D

Convenor : Dr.V.Murugesh, Professor & Head

Founder Thiru.S.A.Subramanian	Chairman Thiru.R.Arulselvan	Vice Chairman Thiru.R.Gautaman	Secretary Thiru.R.Durga Shankar	Principal JCTCET Dr.S.Manoharan
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/JCT Groups

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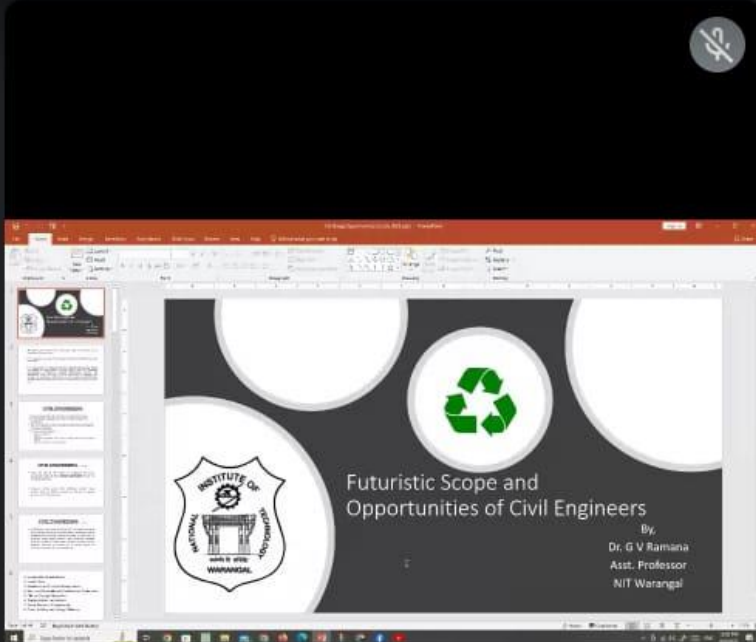
The Department of Civil Engineering hosted a Faculty Development Program on "FUSION 360" from 17th October 2023 to 21st October 2023. The FDP commenced with a welcoming address by Assistant Professor Arul Ganapathy D who highlighted the importance of the future prospects of faculties in civil engineering in FUSION 360. Assistant Professor Jagedeswari delivered the Introduction about the Chief Guest and the importance of the FDP. With the support of our Principal Dr. S Manoharan and HoD Dr. V Murugesh, the Resource Team Mr. Rohit and Mr. Yethil, were expertised in Fusion 360 delivered a wonderful presentation focusing on the usage of Fusion 360 for both Civil and Mechanical Engineering Faculties. They also explained the importance of fusion 360 softwares for faculties in developing and encouraging the future students to become an aspiring expert in software field . The FDP concluded with a vote of thanks by Reshma P D Assistant Professor.

12:02

51.81 KB/s 4G 90%



wpg-zpfa-atc



G.Venkata is presenting



R

RES...



Dr M...



G.Ve...



You



Aftha...



26 others

