

ABOUT THE FDP

The faculty development programme is to create awareness the significant achievements, prospects, projections on commercially available renewable systems and as well as challenges of advancement of technology in renewable sector. The expert's outcomes will provide useful information and develop confidence among researchers to utilize the renewable energy devices in their Research. It creates the common platform that industry represents, experts, faculty and researchers to interact and update their knowledge.

FDP TOPICS

Solar Cooling Options

Carbon Capture, Utilization and Storage

Solar Energy Technologies for Industrial Process Heat and Power Generation

Hydropower investigations and Assessment

Wind Turbine basic design principles

Solar power for today and tomorrow & Ecofriendly living

Design and Modeling of Wind Turbine and Challenges

Design and implementation of 10-50 m³/day capacity Solar Based Multi Effect Desalination Plants for Remote Coastal Villages

Harnessing the Full Power Of Renewable Energy With Hydrogen & Biomass Energy

CFD and its applications of a few solar energy systems

Solar thermal operated cooling systems for Industrial, commercial and domestic applications

Proton Exchange Membrane Fuel Cell System-Voltage losses and flow field plate designs.

Design and development of a portable parabolic trough collector for household applications

Concept of A Sustainable Energy Self-sufficient Village using Waste Biomass

Algae biomass resource for various energy conversion and production

Solar cells: Ongoing trends and future challenges

Application of python in RE data analytics

Green buildings

Introduction to power evacuation strategies from solar photovoltaic Energy systems

Renewable Energy Technologies: Fuel Cells and Flow Batteries

Renewable Energy Technologies for Sustainable development

Virtual visit of Soya milk plant, Solar Thermal Lab and 500kW

Solar PV Power plant

ABOUT THE INSTITUTE

RGM CET established in the year 1995 and is situated 12km from Nandyal on NH-18 towards Kurnool. It has been set up with an aim to achieve technological excellence through innovation with a motto of "Education for peace". It is approved by AICTE and accredited by NBA, New Delhi. This is one among the 3-Private Engg. Colleges from A.P selected to participate in World Bank aided Govt. of India's Technical Education Quality Improvement Programme (TEQIP-I). This is the first private Engg. College affiliated to JNTUH at U.G & P.G levels. This college has secured 8 prestigious gold medals including the gold medal for the best outgoing M.E student out of all Engg Colleges of JNTUH in Andhra Pradesh. Twenty two batches are graduated from this college with more than 95% passing in all branches. The institution possesses excellent infrastructure and Instructional facilities to cater the needs of all programmes offered and to carry out the research work. Department of Mech, EEE, ECE, & CSE, Maths, Physics, Chemistry, and Management Sciences have been recognized as R&D centers by JNTUA to carry out Ph.D on regular basis.

ABOUT THE DEPARTMENT

The department of Mechanical Engineering has been functioning since 1995 and has the NBA Tire-1 accreditation. The department of Mechanical Engineering is equipped with SERB research project on solar dryer, DST FIST sponsored equipment for measurement of beam and global radiation of solar and the institute is equipped with 500kW solar PV power plant for our need. The Department of ME is offering under graduate & post graduate courses. The department is having well qualified and dedicated teaching staff with 17 PhD's and four are pursuing. It has well equipped with Latest lab facilities including CNC machines, Robot, CAD Software's, Computerized I.C Engines and Computerized Compression Testing Machines, Composite materials testing facilities.

Contact Details:

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(ESTD-1995)

**RAJEEV GANDHI MEMORIAL COLLEGE OF
ENGINEERING & TECHNOLOGY, NANDYAL**



**AICTE
Sponsored**

Two-week Faculty Development
Programme (FDP)

on

**RENEWABLE ENERGY
INTERVENTION IN INDUSTRY,
COMMERCIAL AND DOMESTIC
APPLICATION**

(15.02.2021 TO 27.02.2021)

Phase-I

**Organized by:
Department of
Mechanical Engineering**

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Sri. M.Siva Ram, Managing Director

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Dr.Upendra Rajak Asst.Prof.,ME

RESOURCE PERSONS

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CEO at YesSV Energy and Infrastructure Pvt. Ltd.

Mr. PIYUSH JAJU

Co-founder & CEO at ONergy

Mr. BHANU CHANDAR

Chief Engineer at Senvion India Pvt.Ltd, Bangalore

Dr. MEENAKSHI RATHORE

CEO, E-Tech consultancy services, Raipur

Dr. V. SIVA REDDY, BEE Certified Energy Auditor

[Reg. No: EA-20245], RGM CET, Nandyal.

TARGET AUDIENCE

This faculty development programme is open to Faculty members / Research scholars of various engineering colleges who wish to become the facilitators of the student community.

REGISTRATION DETAILS

The registration is free for the faculty members from AICTE approved institutions..

E-certificate will be issued to all the participants who are attending all the sessions and qualify the online test.

NO REGISTRATION FEE

IMPORTANT DATES

Last date for Registration: 10.02.2021

Intimation of selection : 12.02.2021

REGISTRATION LINK:

<https://tinyurl.com/y439p75f>

SCAN FOR REGISTRATION



FOR MORE DETAILS CONTACT:

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R.G.M COLLEGE OF ENGINEERING & TECHNOLOGY, NANDYAL
DEPARTMENT OF MECHANICAL ENGINEERING

AICTE Sponsored

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COMMERCIAL AND DOMESTIC APPLICATIONS
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Phase-I



SECOND WEEK

7.	22.02.2021	<p>Dr. G. NAGA SREENIVASULU Assoc.Prof., Dept. of M.E, NIT Warangal Ph. 9440509659, Email: gns@nitw.ac.in <i>Topic: Proton Exchange Membrane Fuel Cell System-Voltage losses and flow field plate designs.</i></p>	<p>Dr. MANABENDRA PATHAK, Assoc. Professor Dept. of Mechanical Engg., IIT Patna, Kanpa Email: mpathak@iitp.ac.in, Tel: +91-612-302 8047 <i>Topic: Design and development of a portable parabolic trough collector for household applications</i></p>
8.	23.02.2021	<p>Mr. A.G.RANGARAJ Deputy Director (Technical), NIWE 91-44-2246 3982/83/84 / 9445798025 E-mail: rangaraj.niwe@nic.in <i>Topic: Application of python in RE data analytics</i></p>	<p>Mr. PIYUSH JAJU, Co-founder & CEO at ONergy P: +91-33-22237454 M: +91 - 983 1515 911 E: piyush@ONergy.in * Solarizing India, Energizing Lives - www.onergy.in * Safeguarding Citizens, Securing Livelihoods - www.onerycare.in</p>
9.	24.02.2021	<p>Dr. K. ARUNKUMAR, Ph.D Professor & Head, Department of Plant Science, School of Biological Sciences Central University of Kerala, Periyar-671 320, Kasaragod, Kerala, India, Ph: 91-9865051016 <i>Topic: Algae biomass resource for various energy conversion and production</i></p>	<p>Dr. NARENDRA SINGH Assistant Professor Department of Chemical Engineering, IIT Tirupati, India, Contact No. 9936337743 <i>Topic: Solar cells: Ongoing trends and future challenges</i></p>
10.	25.02.2021	<p>Dr. SUBBARAO, P.M.V. Professor of M.E, IIT Delhi Tel:+91-11-2659 1142 (O) Email: pmvs@mech.iitd.ac.in <i>Topic: Concept of A Sustainable Energy Self-sufficient Village using Waste Biomass</i></p>	<p>Sri. SRI PHANI VISSAMRAJU CEO at YesSV Energy and Infrastructure Pvt. Ltd. 2-2-647/102, Sai BalakNath, CE Colony, Hyderabad - 500013, Telangana, India, Ph:9701010176 <i>Topic: Ecofriendly living</i></p>
11.	26.02.2021	<p>Dr. MEENAKSHI RATHORE Ph.D (IIT Delhi) E-Tech Consultancy Services & Enterprises, HIG-2, Qr-3, Sector-3, Pt.D.D.U.Nagar, Raipur (C.G.), Ph:078699-15307, 90390-15307 Email: gec.msahu@gmail.com <i>Topic: Green Building: concept, case study, and rating</i></p>	<p>Dr. B. MANGU, Ph.D (IIT Bombay) Professor of Electrical Engineering, University College of Engineering (A) Osmania University, Hyderabad-500007 Telangana, India. Phone: (040)27098628(O), 9849794210 (M) Email: bmanguou@gmail.com <i>Topic: Introduction to power evacuation strategies from solar photovoltaic Energy systems</i></p>
12.	27.02.2021	<p>Dr. S. MURALI MOHAN Assistant Professor in Chemical Engg., NIT Warangal, Email: murali@nitw.ac.in Ph: 8702462630, 8332969403 <i>Topic: Renewable Energy Technologies: Fuel Cells and Flow Batteries</i></p>	<p>Dr. V. SIVA REDDY BEE Certified Energy Auditor [Reg. No: EA-20245], Professor of M.E, RGM CET, Nandyal, Ph:9898722118 <i>Topic: Renewable Energy Technologies for Sustainable development</i></p>
			Quiz
			Valedictory

Programme Coordinator
 (Dr. B. Sidda Reddy)

Programme Convener
 (Dr. K. Thirupathi Reddy)