

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

- Exergy analysis and economic evaluation of solar alone and aided thermal power generation
- Heat Transfer Studies of Latent Heat Storage Systems-An application oriented study for sustainable air-conditioning Rural Integrated Renewable Energy Solutions
- Clean combustion and Biomass Cookstove
- Hydrogen based energy systems for energy conversion and storage applications.
- Wind Turbine and its commercials
- Biomass Energy & Biofuel production from algae
- Sources and Applications of Green Energy
- Renewable Energy Technologies: Fuel Cells & Flow Batteries
- Sustainable biofuel production from Agricultural Crop Residues
- Solar heating
- Wind Energy Technology application and trends
- RE data analytics and wind power forecasting
- Solar thermoelectric power generation
- Solar Tracking system
- Fuel Cell Technology: Fundamentals & Thermodynamic Analysis
- Design, development and performance evaluation of a small scale solar updraft tower (SUP) plant
- Use of Nanofluids in renewable energy
- Exergetic analysis of solar air heater , water heater, & solar pond and desalination
- 21st century Education challenges

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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bsrrgmcet@gmail.com



(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
APPLICATIONS**

(14.12.2020 TO 26.12.2020)

Phase-II

**Organized by:
Department of
Mechanical Engineering**

CHIEF PATRON

Dr. M.Santhi Ramudu, Chairman

PARTON

Sri. M.Siva Ram, Managing Director

PRESIDENT

Dr.T. Jayachandra Prasad, Principal

CHIEF TECHNICAL ADVISOR

Dr. K. Vijaya Kumar Reddy

Chairman, APSCHE Govt of A.P.

TECHNICAL CHAIR

Dr D.V.Ashok Kumar

Director-Admin & Placement

GENERAL CHAIR

Dr. K.Thirupathi Reddy

Professor &HOD

COORDINATOR

Dr. B. Sidda Reddy, Assoc.Prof.,ME

EXECUTIVE COMMITTEE

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Dr.Manoz Panchal, Asst.Prof.,ME

Dr.Upendra Rajak, Asst.Prof.,ME

WEB COMMITTEE:

Mr Upendra, Asst.Prof.,ME

Dr.Upendra Rajak Asst.Prof.,ME

RESOURCE PERSONS

Dr. K. SRINIVAS REDDY , IIT Madras

Dr. S. K. TYAGI, IIT Delhi.

Dr. DIBAKAR RAKSHIT, IIT Delhi.

Dr. DEBASISH DAS, IIT Guwahati.

Dr. E. ANIL KUMAR, IIT Tirupati

Dr. ADEPU KIRAN KUMAR , Penn State University, USA

Dr. V.P. CHANDRAMOHAN, NIT Warangal

Dr. S. MURALI MOHAN, NIT Warangal

Dr. G. NAGA SREENIVASULU, NIT Warangal

Dr. KIRAN KUMAR K, NIT Warangal

Dr. K.R.RANJAN, Aryabhat Institute of Technology, Delhi

Dr. MANOJ KUMAR GUPTA, GOVERNMENT

ENGINEERING COLLEGE, UJJAIN.

Dr. ESWARAMOORTHY MUTHUSAMY, Shri Mata

Vaishno Devi University, J&K.

Dr. PHANIKUMAR S V S, NIOT, Chennai

Mr. K.BOOPATHI, NIWE, Chennai

Mr. A.G.RANGARAJ/ Y. SRINATH, NIWE, Chennai

Dr. K. V. SHARMA, Retd. Prof. JNTUHCE, Hyd.

Dr. K. VIJAYA KUMAR REDDY, JNTUHCE, Hyd

Dr. S. NARASIMHULU, Osmania University, Hyderabad

Dr. N.L.PANWAR, Maharana Pratap University of

Agriculture and Technology, Udaipur.

Dr. K ARUN KUMAR, Central University of Kerala

Dr. V. SIVA REDDY, RGM CET, Nandyal

Dr. B. RAMA KRISHNA, RGM CET, Nandyal

Dr. SYED ALTAF HUSSAIN, RGM CET, Nandyal

Mr. BHANU CHANDAR, Wind Technologies, Bangalore

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. The number of participants is limited to 200 and the selection is based on first come first served basis.

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: 10.12.2020

Intimation of selection : 11.12.2020

REGISTRATION LINK:

<http://shorturl.at/adpQ8>

SCAN FOR REGISTRATION



FOR MORE DETAILS CONTACT:

Dr. B. Sidda Reddy +919440844600

Dr. K. Thirupathi Reddy +91 9441310586



PROGRAMME SCHEDULE

S.No	Date	Session:1 10.30AM To 12.30 AM	Session:2 2.00PM To 4.00PM
FIRST WEEK			
1.	14.12.2020	Inauguration Chief Guest Dr. K VIJAYA KUMAR REDDY Professor of M. E & Director R & D JNTUH College of Engineering Hyderabad Official Email: kvijayakumarreddy@gmail.com	Dr. V. SIVA REDDY Professor & Energy Auditor RGM CET, Nandyal Ph:9898722118 <i>Topic: Exergy analysis and economic evaluation of solar alone and aided thermal power generation</i>
			Dr. DIBAKAR RAKSHIT Associate Professor dibakar@ces.iitd.ac.in <i>Topic: Heat Transfer Studies of Latent Heat Storage Systems-An application oriented study for sustainable air-conditioning (passive/active)</i>
2.	15.12.2020	Dr. K. SRINIVAS REDDY FNAE Professor, Dept. of M.E, IIT Madras, India, Ph:+918248164348 EMAIL: ksreddy@iitm.ac.in <i>Topic: Rural Integrated Renewable Energy Solutions</i>	Dr.K.R.RANJAN B.Tech (Mechanical Engineering), M.Tech & Ph.D (IIT Delhi) Senior Faculty of Mechanical Engineering, Aryabhat Institute of Technology, G.T.K.Road, Delhi-110033 (India) Mobile Numbers: +91 9871877704, 9013216025. <i>Topic: Exergetic analysis of solar pond and desalination</i>
3.	16.12.2020	Dr. TYAGI, S. K Associate Professor, IIT Delhi, Centre for Energy studies Tel: 011-2659 1320 Email: tyagisk@ces.iitd.ac.in 8558864525 <i>Topic: "Clean combustion and Biomass Cookstove</i>	Dr. E. ANIL KUMAR Assoc.Prof., Dept. of M.E Dean Sponsored Research and Consultancy, IIT Tirupati Phone: 07879779188 (Mobile) 0877-25003405 (Office) Email: anil@iittp.ac.in <i>Topic: Hydrogen based energy systems for energy conversion and storage applications.</i>
4.	17.12.2020	BHANU CHANDAR bhanu.brahmanapalli@gmail.com <i>Topic: Wind Turbine And Its Commercials</i>	Dr.KIRAN KUMAR K, PhD (IIT Kharagpur) Associate Professor Department of Mechanical Engineering NITW, India. kkirankumar2000@gmail.com kiran@nitw.ac.in +91 - 9494153851 (Mobile) +91- 870-2462315 (Office) <i>Topic: Use Nanofluids in renewable energy</i>
5.	18.12.2020	Dr. NARASIMHULU SANKE Director, Centre for Energy Technology, Professor of Mechanical Engineering, Osmania University, Hyderabad Ph:9885415325 Email: nsanke@gmail.com Email: nsanke@osmania.ac.in <i>Title: Biomass Energy</i>	Dr PHANIKUMAR S V S, SCIENTIST-F, National Institute of ocean Technology 044-66783353, phani@niot.res.in [3:00PM TO 5:00PM]
6.	19.12.2020	Dr. CHANDRAMOHAN V.P. BE, MBA, ME, PhD(IITD), MIE Assoc.Prof., Dept. of M.E, NIT Warangal Ph.: 9676425800, 8332969329 <i>Topic: Sources and Applications of Green Energy</i>	Prof(Dr).K Arun Kumar Department Of Plant Science School of Biological science Tel Ph: Personal: 9865051016 Email: Official: arunkumark@cukerala.ac.in Personal: rsrnarun@gmail.com <i>Topic: Biofuel Production From Algae</i>



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

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SECOND WEEK			
7.	20.12.2020	<p>Dr. S. Murali Mohan Assistant Professor in Chemical Engg., NIT Warangal, murali@nitw.ac.in 8702462630, 8332969403 <i>Topic: Renewable Energy Technologies: Fuel Cells and Flow Batteries</i></p>	<p>Dr. N.L.Panwar, Ph.D (Energy Studies) IIT-Delhi Assistant Professor in Renewable Energy Engineering College of Technology and Engineering, MPUAT, Udaipur (Rajasthan) 313001 Contact: +91 9414531568 nlpanwar@rediffmail.com <i>Topic: Sustainable biofuel production from Agricultural Crop Residues</i></p>
8.	21.12.2020	<p>DR MANOJ KUMAR GUPTA Professor of Mechanical Engineering ENGINEERING COLLEGE CAMPUS, UJJAIN, M.P. Email: mk_gupta70@rediffmail.com Mobile: 9425980247 <i>Topic: Exergetic analysis of solar air heater and water heater</i></p>	<p>Dr. K. V. SHARMA Retd. Professor, JNTUH, Hydearbad Email: kvsharmajntu@gmail.com <i>Topic: Solar heating (Steam generation and space heating)</i></p>
9.	22.12.2020	<p>K.BOOPATHI, Director & Division Head Research & Development , Resource data Analytics & Forecasting And Solar Radiation Resource Assessment, NIWE, Chennai Ph: +91 44 22463993 Mob: +91 9445798004 boopathi.niwe@nic.in <i>Topic: Wind Energy Technology application and rends</i></p>	<p>Dr. G. NAGA SREENIVASULU Assoc.Prof., Dept. of M.E Ph. 9440509659 Email: gns@nitw.ac.in <i>Topic: Fuel Cell Technology: Fundamentals and Thermodynamic Analysis</i></p>
10.	23.12.2020	<p>A.G.RANGARAJ Deputy Director (Technical), NIWE 91-44-2246 3982/83/84 / 9445798025 <i>Topic: RE data analytics and wind power forecasting</i></p>	<p>Dr. SYED ALTAF HUSSAIN Professor of Mechanical Engineering, RGM CET, Nandyal <i>Topic: Solar Tracking system</i></p>
11.	24.12.2020	<p>Dr ESWARAMOORTHY MUTHUSAMY, BE.,M.Tech.,Ph.D.,(NIT-T), FIE Professor of Mechanical Engineering Dean, Faculty of Engineering Shri Mata Vaishno Devi University Kakryal, Katra-182 320 (J & K) Mobile:08493875820 Email: m.eswaramoorthy@smvdu.ac.in <i>Topic: Solar thermoelectric power generation</i></p>	<p>Dr. B. RAMAKRISHNA Assoc. Professor in M. E, RGM CET, Nandyal <i>Topic: Design, development and performance evaluation of a small scale solar updraft tower (SUP) plant</i></p>
12.	26.12.2020	<p>Dr. DEBASISH DAS Professor of Biosciences & Bioengineering, Center for Energy Indian Institute of Technology, Guwahati-781039, Phone: 0361- 2582221 (W), +91-9678071403 (M)</p>	<p>Dr. V. SIVA REDDY Professor of M. E, RGM CET, Nandyal <i>Topic: 21st century Education challenges</i> Followed by Test and Valedictory</p>

Programme Coordinator
(Dr. B. Sidda Reddy)

Programme Convener
(Dr. K. Thirupathi Reddy)