



FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

Alternate Energy Resources & Their Status in India

Organized by

Center for Continuing Education, NIT W & Department of Mechanical Engineering,
JNTUH College of Engineering Hyderabad



18th – 22^h February 2021

About the NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

Centre for Continuing Education Programme of NIT Warangal:

This Centre of NIT Warangal organizes Continuing Education Programmes and Workshops in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science and Socially relevant themes on self-financing basis in three different modes: (i) At NIT Warangal by NIT Warangal (ii) At NIT Warangal in collaboration with other organizations (iii) By NIT Warangal Faculty at the Host Organization/Institute.

Jawaharlal Nehru Technological University Hyderabad (JNTUH)

JNTUH is situated in a sprawling 89-acre campus at Kukatpally, Hyderabad. It has now 4 Constituent Engineering Colleges, one at Hyderabad, one at Kondagattu (Jagithyal), one at Manthani and one at Sultanpur (Medak dist.) and 15 other constituent units on Hyderabad campus. JNTUH offers B.Tech. programmes in 24 disciplines and B.Pharm at UG level; Integrated 5-year dual degree Masters programme; M.Tech. Programmes in 68 disciplines, M.Pharm. in 11 disciplines; M.Sc. in 10 disciplines; MCA & MBA. Research Programmes in various disciplines of Engineering, Technology, Science, Management and Humanities. JNTUH has 423 affiliated colleges spread over the Telangana State.

JNTUH College of Engineering Hyderabad

The College was established as Nagarjuna Sagar Engineering College in 1965. With the formation of Jawaharlal Nehru Technological University on 2nd October 1972, it became a constituent college of the University and was later renamed as JNTUH College of Engineering Hyderabad.

Department of Mechanical Engineering

The Department of Mechanical Engineering is one of the departments existing since 1965, the year of inception of the College. The Department has qualified and experienced staff and well equipped laboratories. Department of Mechanical Engineering offering 4 years and 5 years UG courses, four PG courses and 1 MOU course with CITED.

About the Course:

The primary cause of global warming is the use of fossil fuels such as oil (petrol, diesel), coal and gas to produce electrical energy. To reduce the global warming as well as usage of fossil fuel and more usage of renewable energy sources. This Faculty Development Program on “Alternate Energy Resources & Their Status in India” focuses on renewable energy usages and conversion technologies.

Course Contents:

- ❖ Renewable Energy Resources
- ❖ Solid, Liquid and Gas forms of Sources
- ❖ Advanced Technology in Energy Conversion
- ❖ Energy Storage Devices
- ❖ Energy Policies & Economics
- ❖ Energy & Environment
- ❖ Design and Development of wave energy
- ❖ Experimental studies on wave energy
- ❖ Algae biomass for various energy conversion and production
- ❖ Alga oil feasibility and possibility
- ❖ Fuel Cell Technology: Status, Opportunities & It's challenges

Resource Persons:

Faculty of the Engineering Departments, who have the expertise in these areas will be the core faculty of the workshop. Eminent Faculty from IITs, other premier institutes and Software Industry in the country are the external resource persons for this programme.

Who should Attend?

The programme is open to faculty and research scholars of all Engineering colleges and other allied disciplines in India.

Registration:

Registration is free for UG/PG/Research Scholars and Faculty, Rs.: 500/- for Industry people.

Account Name	Centre for Continuing Education, NIT W
Bank Name	SBI
A/C No.	62403680215
IFSC Code	SBIN0020149
Branch	NIT Warangal

Register At: <https://forms.gle/BbXGeAmWTrrddpcE8>

Course Coordinators from NIT W:

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Associate Professor,
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NIT Warangal,

Course Coordinators from JNTUH CEH:

Dr. A.V.S.S.K.S Gupta, Sri Ravi Gugulothu,
Professor & Head, Assistant Professor (Contract),
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