ONE WEEK ONLINE
FACULTY DEVELOPMENT PROGRAM
On
ADVANCEMENTS IN THERMAL AND RENEWABLE ENERGY TECHNOLOGIES
(4th - 9th July, 2022)

Committee Members

Chief Patrons
Sri. L.Jaya Prakash Reddy, Honorary Chairman
Sri. L.R.N.K.Prasad Reddy, Chairman
Sri. L.Vijaya Kumar Reddy, Vice Chairman

Patrons
Sri G. Srinivasa Reddy, President
Dr. K. Appa Rao, Principal
Dr. K. Harinadha Reddy, Vice-Principal
Dr. M. Srinivasa Rao, Dean Academics
Dr.E.V.Krishna Rao, Professor, Dean R&D

Convener
Dr.S.Pichi Reddy, Professor & HOD, ME

Coordinators
Dr.P.Vijaya Kumar, Professor
Dr.V.Dhana Raju, Assoc.Professor

Co-Coordinators
Mr. K.V.Viswanad, Sr.Assistant Professor
Mr. S.Rami Reddy, Sr. Assistant Professor
Mr. K.L.Prasad, Assistant Professor

Advisory committee
Dr.P.V.Chandrasekhara.Rao, CoE and Professor of Mech Engg
Dr.P.Ravindra Kumar, Professor
Dr.K.Dilip Kumar, Professor

Organizing committee
Mr.S.Srinivasa Reddy, Associate Professor
Mr.J.Subba Reddy, Associate Professor
Dr.M.B.S.Sreekara Reddy, Assoc. Professor
Dr.K.Murahari, Associate Professor
Dr. Ch.Siva Sankara Babu, Sr. Asst Professor
Mr.B.Sudheer Kumar, Sr. Assistant Professor
Mr.S.Srinivasa Reddy, Sr. Assistant Professor
Mr.A.Nageswara Rao, Sr. Assistant Professor

Registration Fee:
• No Registration Fee.

Target Audience:
Faculty and research scholars from the state, spread across India and Abroad

Important Date:
Last Date for Registration: 1/07/2022

Registration Link:
Fill the Registration form with the following link:
https://forms.gle/vKBY3NYxJNFQK8z86
Join the Whatsapp group to get the updates:
https://chat.whatsapp.com/HyRLHA3tYXI7teh9vMrWc

Online FDP will be organized in Microsoft Teams Platform

Certificate Criteria:
• All eligible candidates will be given e-certificate.
• Attendance is mandatory

For more details contact:
Dr.P.Vijaya Kumar: +91-9490817851
Dr. V.Dhana Raju: +91-9848363670

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(Autonomous)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
L.B. REDDY NAGAR, MYLAVARAM, KRISHNA DIST., A.P.- 521 230

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About the Institute:

LBRCE was founded through Lakireddy Bali Reddy charitable trust in 1998 which stands for quality technical education that is exemplified by the continuous strides taken towards excellence in the last two decades. LBRCE started with an intake of 180 and is reached to the current intake of 1164. UGC has accorded Autonomous Status in the year 2010, subsequently renewed in 2016, valid up to 2022. LBRCE has been accredited by NAAC with Grade 'A' and NBA (ECE, IT, CSE, EEE & MECH) under Tier-I. The College has also been awarded 2(f) and 12(B) status, apart from the recognition as a 'College with Potential for Excellence (CPE)' status from the UGC. Our institute has pride to have large pool of well-qualified and experienced faculty.

About the Department:

The Department of Mechanical Engineering was started in the year 1998. It has well qualified faculty and well equipped laboratories.

The Department is accredited by NBA under Tier-I. About 25% of faculty members having doctoral degree. JNTUK Kakinada has accorded Research Centre to the Department and several research scholars are pursuing their Ph.D. The Department received sponsored research projects worth Rs. 1.5 Crore from various GOI funding agencies.

Objectives of the FDP:

- To know the latest developments in thermal and renewable energy technologies.
- To get exposed to the latest simulation and modeling techniques.
- To get acquainted with the advancements in optimization methods.

Topics to be covered:

- Optimization of solar thermal systems
- Building energy modeling data inputs and sustainable cities
- The known and unknown things about Nanofluids: Fundamentals to Applications
- Thermal energy storage systems for sustainable green building
- Simulation and optimization of solar thermal systems
- Thermal system optimization using ANN-Genetic algorithm approach
- Thermal energy storage for solar collectors
- Air-conditioning system air quality issues – Case studies

Learning Outcomes:

- Understand thermal and renewable energy system performance enhancement methods.
- Optimize the performance parameters of thermal and renewable energy systems.
- Develop energy efficient thermal and renewable energy storage systems.