

Resource Persons

Dr.K.S.Reddy, Professor, IIT Madras

Dr.P.Karthik, Associate Scientific Editor, Elsevier, Journal of Sustainable Cities and Society, CANADA

Dr. R.Parameshwaran

JSPS Post-Doctoral Researcher,

The University of Tokyo, TOKYO, JAPAN

Dr. S.Kalaiselvam, Professor, Anna University, Chennai

Dr.T.Srinivas, Associate Professor NIT, Jalandhar

Dr.P.Thirumal, GCE, Bargur

Dr.Rajesh Baby, SJ CET, Palai,

Dr.R.Senthil, SRMIST, Chennai

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/HyRLHA3tYXI7teh9vrfMWc>

Online FDP will be organized in Microsoft Teams Platform

Certificate Criteria:

- All eligible candidates will be given e-certificates.
- Attendance is mandatory

For more details contact:

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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-Coordinator

Mr. K.V.Viswanadh, 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

ONE WEEK ONLINE

FACULTY DEVELOPMENT PROGRAM

On

ADVANCEMENTS IN THERMAL AND RENEWABLE ENERGY TECHNOLOGIES

(4th - 9th July, 2022)



Organized by

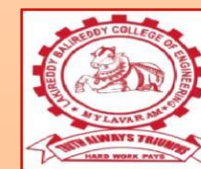
Department of

Mechanical Engineering

(Accredited by NBA under Tier – I)

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(Autonomous)



Accredited by NAAC & NBA (CSE, IT, ECE, EEE, MECH)
ISO 9001:2015 Certified Institution
Approved by AICTE, New Delhi and Affiliated to JNTUK,
Kakinada
L.B. REDDY NAGAR, MYLAVARAM, KRISHNA DIST., A.P.-
521 230

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.

About the FDP:

The one week online FDP is aimed at enriching the knowledge and research capabilities of faculty and research scholars of academia and R&D centers working in the area of thermal and renewable energy technologies. This FDP also covers simulation, modeling and optimization techniques.

This program is useful for participants who are doing research work in the performance enhancement and optimization of thermal and renewable energy systems area.

Eminent professors from India and Abroad are drawn from the highly reputed institutes (IIT, NIT, R&D centers) have been invited for FDP.

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.