

# G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS):KURNOOL

Organizing by Mechanical Engineering Department



FIVE day online FDP

on

## RECENT ADVANCEMENTS IN SUSTAINABLE ENERGY STORAGE & CONVERSION

23/01/2023 -27/01/2023

**Patron:**

**Dr. B. Sreenivasa Reddy, Principal**

**Chief Patron:**

**Dr. Y.V. Mohan Reddy, HOD, ME**

**Dr. K. Madhava Reddy, Prof., ME**

### Overview of the FDP

Energy systems rapidly change under the influence of energy policies. For instance, the ongoing liberalization or deregulation of energy markets could make small-scale and large-scale storage capabilities increasingly beneficial because of the emerging competition in the energy market. To achieve the full potential of energy systems, both independent and grid-based power distribution systems rely on the availability of different storage technologies. These include, for instance, safe on-vehicle storage and infrastructure components to assure fuel availability at filling stations, which efficiently satisfy on-demand mobility.

### About the college

G.Pulla Reddy Engineering College is the brainchild of Late Sri G.Pulla Reddy, (popularly known as Sweets Pulla Reddy in A.P.) the renowned philanthropist and a great humanist. Established in 1984-85, it is one of the earliest private engineering colleges in Andhra Pradesh state. GPREC has been functioning as an autonomous institution since 2006.

### About the department

The department of Mechanical Engineering has come into existence, since the inception of the college, in the year 1985. The department is equipped with twelve well established labs that give hands on practical knowledge in the subjects. Present intake of students for B.Tech. Program is 132 and 12 for M. Tech. program in Advanced Manufacturing Systems. The Department is fortified with 26 teaching faculty and 9 supporting staff. 16 of the faculty members possess Ph. D. degrees; 9 faculty members are pursuing for their Ph. D. degrees, and the rest of the faculty members are with M.E./ M.Tech. degrees.

### Key Note Speaker

**Prof K. Hema Chandra Reddy,**

Chairman, Andhra Pradesh State Council for Higher Education (APSCHE)

### SPEAKERS

- **Dr. Rohan Pande, Assistant Professor, SVNIT Surat**
- **Dr. E. Anil Kumar, Professor, IIT Tirupathi**
- **Dr. K. S. Reddy, Professor, IIT Madras**
- **Dr. G. Amba Prasad Rao, Professor, NIT Warangal**
- **Dr. Dibakar Rakshit, Professor, IIT Delhi**

### TOPICS TO BE COVER

- **Introduction to Renewable Energy Sources and its Conversion Techniques**
- **Role of Hydrogen Storage in Sustainable Energy Systems**
- **Thermal Energy Storage for Reliable Improvements in Sustainable Energy Conversion Systems**
- **Metal Air batteries for EVs as sustainable source**
- **Building cooling strategies through passive means**

**Last date to apply: 22-01-2023, 5:00PM**

Programme Dates: 23rd Jan 2023 to 27th Jan 2023

Time: 6:00 PM to 7:30 PM

Registration link: <https://tinyurl.com/5vrsskhy>

**Convener:**

**Dr. R. Meenakshi Reddy, Associate Professor**

**Co-convener:**

**Mr. E. Siva Reddy, Assistant Professor**

**Mr. K. Jayasimha Reddy, Assistant Professor**

**Mr. G. Venkatesh, Assistant Professor**

For any queries Please contact  
9966367889 & 9912849161



**gprec**  
G.PULLA REDDY ENGINEERING COLLEGE

G. Pulla Reddy Engineering College (Autonomous)  
Kurnool - 518 007, Andhra Pradesh, India.