

# Golden Jubilee Year of JNTUH (1972-2021)

## Three days FDP (Online) on Advances in Thermal Engineering

December 20-22, 2021  
Organized by



Mechanical Engineering Department  
JNTUH College of Engineering,  
Kukatpally, Hyderabad

**Coordinator**  
**Dr.S.Naga Sarada**

### About JNTUH College of Engineering

Jawaharlal Nehru Technological University Hyderabad was established on 2<sup>nd</sup> October, 1972 by the Legislature of the State of Andhra Pradesh as the first-ever Technological University in the country. It has been in the forefront in providing quality technical education of relevance erstwhile combined Andhra Pradesh State.

The university was re-designated as Jawaharlal Nehru Technological University Hyderabad (JNTUH), Hyderabad from August 2008. The University is situated at Kukatpally, Hyderabad in 89 acres campus. JNTUH has five constituent engineering colleges and four academic units/schools in addition to other administrative functional units. The college has seven Engineering Departments viz Civil Engineering, Electrical & Electronics Engineering, Mechanical Engineering, Electronics & Communication Engineering, Computer Science Engineering, Metallurgical Engineering and Chemical Engineering and four Sciences and Humanities Departments (Maths, Physics, Chemistry and HSS).

### Vision

To be recognized as one of the top 10 institutes in the country offering technical education, sustaining and improving its repute of UG programmes, expanding need based PG and research programmes with global outlook, synergizing teaching and research for societal relevance.

### Mission

- To identify technological advancements and build the right level of skills at the right time contributing to the industrial and national growth.
- To identify and keep abreast with the state of the art technology maintaining its legacy of striving for excellence in higher education.
- To promote world class research of local relevance to society.
- With a research community of professors, research fellows and research centres, expand the scale and multidisciplinary character of its research activities.
- With a global outlook strive for collaborations to network with International Universities and National Institutes of Research and Higher Learning.

### Importance of Thermal Engineering

Thermal Engineering plays a key role in protecting the environment, in increasing the efficiency of thermal systems and reducing costs in industry. Its applications are wide starting from power plants, automotive engines, jet engines, rockets, refrigeration and air-conditioning plants, refineries, chemical processing plants, food processing and preservation units to manufacturing industries etc.

### Objectives of the program

This course is intended to enlighten the faculty, researchers and the practicing engineers with the practical aspects of thermal engineering in addition to strengthening their fundamental concepts.

### Who should attend?

- Faculty
- PG students, Research Scholars
- Engineers Working in Govt./ Private sectors

### Salient Contents of the FDP

- High Accuracy Numerical methods for Fluid Flows with Heat Transfer
- Basics of Nano Fluid Heat Transfer
- Use of Nano fluids in different Engineering applications
- Liquid Crystal Thermography for measuring detailed heat transfer in a Rib Turbulated Channel
- Energy efficiency in a rural agri process industry
- Heat transfer enhancement techniques

### Resource persons

Eminent academicians from IIT, NIT, BITS PILANI and other esteemed Universities.

### **Mechanical Engineering Department**

- It offers B.Tech, M.Tech and Ph.D Programmes in the domain of Mechanical Engineering.
- The Department has qualified and eminent teaching staff with 95% of regular faculty having Ph.Ds with rich experience.
- The entire faculty is actively involved in research works, consultancy, organizing /attending conferences/workshops.
- The Department has well equipped laboratories and computer labs to meet the requirements of Undergraduate, Graduate and Research students.

Chief Patron: Prof. Katta Narasimha Reddy,  
**Vice-Chancellor, JNT University Hyderabad.**

Patrons: Prof. A. Govardhan  
**Rector, JNTUH.**  
Prof. M. Manzoor Hussain  
**Registrar, JNTUH**

Chairman: Prof. A. Prabhu Kumar,  
**Principal, JNTUHCEH**

Co- Chairman: Prof. M. T. Naik,  
**Vice principal, JNTUHCEH**

Convener: Prof. M.Indira Rani  
**Head, MED**

### **Mode of Workshop**

Workshop will be conducted through Online Mode. E-Certificate will be provided to the participants and further details will be communicated to the registered participants.

### **Workshop Coordinator**

Dr. S Naga Sarada  
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### **To Contact**

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### **Registration Fee**

No registration fee for the program.

### **Important Dates**

Last date for registration: 18-12-2021

### **Advisory & Organizing Committee**

Dr.K.Vijaya Kumar Reddy, Professor & Director, R&D  
Dr.A.Chenna Kesava Reddy, Professor  
Dr.B.Anjaneya Prasad, Professor & BOS Chair Person  
Dr.M.Sreenivasa Rao, Professor and Special Officer, PTPG  
Dr.B.Balu Naik, Professor & Director, University Foreign Relations  
Dr.A.V.S.S.K.S.Gupta, Professor, Director, IQAC JNTUH  
Dr. J. Suresh Kumar, Professor & Deputy Director, UIIC  
Dr. G. Krishna Mohana Rao, Professor  
Dr. E.Ramjee, Professor & TEQIP-III Coordinator  
Dr. A. Aruna Kumari, Professor & Addtl. Controller of Examinations  
Dr. P. Bhramara, Professor & Placement Officer, I/c Alumni Affairs  
Sri.A. Balram Naik, Associate Professor, Deputy Warden  
International students Hostel & NSS Coordinator  
Dr.P. Prasanna Asst. professor & Officer I/c Exams, Deputy Warden Boys  
Hostel

### **Registration Link**

[www.t.ly/kcJL](http://www.t.ly/kcJL)

**Or**

