

Registration form

Name:

Designation:

Institution & Department:

Address:

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Qualifications:

Experience in years: Teaching:

Research:

Age: Gender: Male/Female

Mobile No.

Email:

Signature of the
Candidate

Signature of the
Head of the Institution
with seal

Note:

- Registration is free and includes participation certificate.
- Attendance is mandatory for all the sessions to get the participation certificate.
- Registration Link:
<https://forms.gle/fNovsnjc8sJubWKS6>

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Dr A. Venkateswarlu, Professor

Co-Coordinator

Smt. AN Phani Deepthi, Asst. Professor

Target Audience

Faculty members, UG & PG Students of
Mechanical Engineering

Attendance is mandatory for all the sessions
to get the participation e-certificate.

Contact: Smt. A N Phani Deepthi
(phanideepthi13@gmail.com)

Two- Day Webinar on Thermal Analysis of Heat pipe for Energy Saving Applications

23rd and 24th November 2021



Under AICTE Margadarshan



Organized by

**Department of
Mechanical Engineering**

**Velagapudi Ramakrishna
Siddhartha Engineering College**

(Autonomous)

Vijayawada-520007, Andhra Pradesh

www.vrsiddhartha.ac.in

Phone: 0866-2582333, 2582672

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About the College

Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC) was established in the year 1977 as the first self-financed engineering college in the state of Undivided A.P. It is located in a vast expanse of 24 acres of land on the outskirts of Vijayawada city at a distance of about 6 Kms from the city Centre. The institution offers 7 undergraduate programmes and 11 Post graduate programmes.

The faculty at present are 350, comprising of well qualified professionals with varied experience and background.

The college was accredited by NAAC with A+ grade and certified for ISO 9001:2015. It is among the top 16 engineering colleges which were selected under World Bank aid for R&D and PG enhancement Programme called TEQIP-II (S.C.1.2) by MHRD, Govt. of India, Secured All India NIRF Ranking of 178 for the year 2021.

About Department of Mechanical Engineering

The Department of Mechanical Engineering was established in the year 1977. At present offering one UG Program (B.Tech) with an intake of 180 and two PG Programs (M.Tech) in CAD/CAM and Thermal Engineering, with an intake of 18 each. The Department was recognized by AICTE in 1993. The UG programme of Mechanical Engineering was accredited four times by NBA, GOI, New Delhi, in the years 1999, 2005, 2009 and 2015 and PG programme of (CAD/CAM) in 2015.

The department has well equipped laboratories and state-of-the-art classrooms with all necessary accessories. High academic standards are maintained in the department with the help of experienced, qualified and dedicated faculty members with various specializations following the Outcome Based Education System.

The Department has established the Centre of Excellence in Composites funded by DST-FIST. The department has established 10 laboratories in association with Siemens and Govt. of AP, Dassault systems for skill development of young engineers in core areas of Mechanical Engineering.

Theme of the Webinar:

High power systems of various kinds have become even more widely deployed than in the past. Due to this sustainability challenges such as climate change, food, water and environmental issues call for researchers in different disciplines around the globe to take action and work collaboratively. Over 90% of our energy consumption and utilization involves heat, and thus heat will play an indispensable role in solving global challenges such as climate change. Thermal energy is everywhere, from electricity generation to maintaining human comfort, from materials processing to food preparation, from computer chip cooling to battery operation safety.

The Webinar on Heat pipe aims to stimulate and highlight innovations and advances in theory, materials, devices, and systems for efficient thermal energy conversion, storage, transport and utilization.

Resource Persons

1. **Dr A V S S Kumara Swami Gupta**,
Professor, JNTUH, Hyderabad
2. **Dr Devanuri Jaya Krishna**,
Asso. Professor, NIT, Warangal
3. **Dr B Raghava Rao**
Professor, VRSEC, Vijayawada
4. **Dr Chinige Sampath Kumar**
Asst. Professor, NIT, Warangal
5. **Dr T Srinivas**
Asso. Professor, NIT, Jalandhar

Topics Covered:

- Introduction and Applications of heat pipe
- Heat pipes for Thermal Storage dissipation applications
- Advanced Cooling Technologies and Thermal fluids
- Heat Exchangers in Polygeneration Plant
- Design and simulation of heat pipe

Venue

On-Line

Department of Mechanical Engineering,
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