



A 3-DAY HANDS-ON VIRTUAL WORKSHOP

ON

Energy Modelling and Simulation of HVAC systems (EMSHVAC)

(2nd – 4th September, 2021)

Organized by

Department of Mechanical Engineering

Rajeev Gandhi Memorial College of Engineering and Technology (Autonomous), Nandyal-518501,
Kurnool (dist.), Andhra Pradesh

In association with

The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)
Bhubaneswar Sub-chapter, Odisha

ISHRAE
Bhubaneswar Sub-chapter

About Workshop:

HVAC systems are responsible for the regulation of heat, airflow, ventilation, and air conditioning of an entire building. HVAC systems control the overall climate in the building. This workshop allows the participants to get hands-on practical experience on energy modelling and simulation of residential and commercial buildings. This workshop targeted towards undergraduate and postgraduate students, academicians and industry personnel. All Sessions-Lecture and Hands-on of the workshop will be delivered by well experienced faculty and industry persons.

Eligibility:

The Programme is open to UG/PG Students/ Research Scholars/Industry People.

Registration Fee:

For UG/PG/PhD students & ISHRAE Members	Rs. 150/-
For Faculty & Industry People	Rs. 200/-

The registration fee is to be collected in the form online transfer only using the following details:

Online Transfer Details	
Account Name	: ISHRAE Bhubaneswar Subchapter
Account No.	: 732802010002469
IFSC	: UBIN0573281
Bank & Branch	: Union Bank & Mahura Branch

How to Apply:

1. Pay the registration fee as mentioned in the above table.
2. Fill the online registration form using the link/QR code given below:

EMSHVAC-2021



3. Selection will be done based on first-come-first-serve basis
4. E-Certificate will be provided for the candidates

About ISHRAE:

The ISHRAE, was founded in 1981 at New Delhi by a group of eminent HVAC & R Professionals. ISHRAE today has more than 28,780 HVAC & R Professionals and student members. ISHRAE operates from 44 chapters and sub chapters spread all over India, with HQ in Delhi. It is led by a team of elected officers, who are members of the society, working on a voluntary basis, and collectively called the Board of Governors.

About RGM CET Nandyal:

RGM CET was established in the year 1995 and is situated 12km from Nandyal on NH-18 towards Kurnool. It has been set up with an aim to achieve technological excellence through innovation with a motto of "Education for peace". It is approved by AICTE and accredited by NBA, New Delhi. This is one among the 3-Private Engineering Colleges from A.P selected to participate in World Bank aided Govt. of India's Technical Education Quality Improvement Programme (TEQIP-I). This is the first private Engineering College affiliated to JNTUH at U.G & P.G levels. This college has secured 8 prestigious gold medals including the gold medal for the best outgoing M.E student out of all Engineering Colleges of JNTUH in Andhra Pradesh. Twenty two batches are graduated from this college with more than 95% passing in all branches. The institution possesses excellent infrastructure and Instructional facilities to cater the needs of all programs offered and to carry out the research work. Department of Mech, EEE, ECE, & CSE, Mathematics, Physics, Chemistry, and Management Sciences have been recognized as R&D centers by JNTUA to carry out PhD on regular basis.



About Department:

The department of Mechanical Engineering has been functioning since 1995 and has the NBA Tire-1 accreditation. The department of ME is equipped with SERB research project on solar dryer, DST FIST sponsored equipment for measurement of beam and global radiation of solar and the institute is equipped with 500kW solar PV power plant. The Department of ME is offering UG & PG courses. The curriculum of ME is designed keeping in view of the industry requirements in India and Overseas. The primary focus of the curriculum is imparting industrial problem identification skill and promotes problem-solving skill. The students are encouraged to be a part of various clubs for overall development of personality. The department is having well qualified and dedicated teaching staff with 17 PhD's and four are pursuing. Our labs have state of the art facilities to carryout projects for the development of technologies. All the faculty members are involved in research and development activities.

Organizing Committee:

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PATRON

Sri. M. Siva Ram, Managing Director

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Dr. Manoj Panchal, Asst. Prof., ME

Dr. Ashif Perwez, Asst. Prof., ME

Dr. Md Alamgir, Asst. Prof., ME

Important Dates:

Start date of online registration	28 th July, 2021
Last date of online registration	27 th August, 2021
Selection list by email	29 th August, 2021
Duration of the Workshop	02 nd - 4 th Sep, 2021

Contact Details:

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Workshop Schedule:

Day	9:15 AM - 10:00 AM	10:15 AM - 11:00 AM	11:30 PM - 12:30 PM	2:00 PM - 3:00 PM	3:10 PM - 4:30 PM
Day 1 (02-09-2021) Thursday	Inaugural Function Chief Guest – Dr. Ravi K Gujjula Chief General Manager- (Technical), APSSDC	Lecture 1 Dr. V. Siva Reddy Professor & Energy Auditor, RGM CET Nandyal Topic: Solar Refrigeration & Air-conditioning	Lecture 2 Dr. Y. Sivakumar Reddy Associate Professor, RGM CET Nandyal Topic: Design of HVAC Systems	Lecture 3 (TS 1) Dr. Syed Moazzam Ali Technical Director TEC MEP Institute Topic: Energy Simulation Tool eQUEST as per ECBC Code Compliance	
Day 2 (03-09-2021) Friday		Lecture 4 Dr. B. Kiran Naik Assistant Professor, NIT Rourkela Topic: Recent advancements in Solar/ Waste heat driven HVAC Systems	Lecture 5 (TS 2) Dr. Syed Moazzam Ali Technical Director TEC MEP Institute Topic: Energy Simulation Tool eQUEST as per ECBC Code Compliance	Lecture 6 (TS 2) Dr. Syed Moazzam Ali Technical Director TEC MEP Institute Topic: Energy Simulation Tool eQUEST as per ECBC Code Compliance	
Day 3 (04-09 -2021) Saturday		Lecture 7 Mr. Shaik Mazaruddin HSC Officer, BHEL Hyderabad Topic: Advanced Refrigeration & Air conditioning	Lecture 8 (TS3) Dr. Syed Moazzam Ali Technical Director TEC MEP Institute Topic: Energy Simulation Tool eQUEST as per ECBC Code Compliance	Valedictory Function Chief Guest – Dr. K. Ramakrishna Professor & Dean (Quality), KLU Guntur	