

# Three –day Hands-on workshop on Advanced HVAC Energy Simulation using Design Builder 20<sup>th</sup> – 22<sup>nd</sup> September, 2022



## Speaker



### Dr. Syed Moazzam Ali

Technical Director

Taiba Engineering Consultants - TEC  
MEP Institute

BEE Certified ECBC Master Trainer

ECBC-TPA certified by Govt. of A. P.

### Short Bio:

Dr. Syed Moazzam Ali holds a Master's Degree and bachelor's Degree in Mechanical Engineering and has acquired his Ph.D. from JNTU-H. His current research interests are energy simulation & CFD for buildings. He is an FIE, Chartered Engineer; IGBC-AP, BEE Certified ECBC Master Trainer & ECBC-TPA. He has over two decades of professional work experience in the construction industry in a global environment with dispersed teams across multiple time zones and geographies in the Middle East (KSA, UAE) and India. He is a veteran in the building services design in different sectors including high-rise structures, commercial, residential, retail, healthcare, industrial, refurbishment, Data centers, etc. He is presently working as Technical Director of Taiba Engineering Consultants – TEC MEP Institute. He has conducted National & International training programs for various prestigious organizations, including Architectural and Engineering Institutes, GITAM, ISHRAE, FSAI, IEF-KSA, etc. He has successfully Conducted 25+ ECBC Training Workshops organized by ASCI(Hyderabad, Pune, Kolhapur, Vijayawada), KREDIA(Hubli, Belagavi), and AILSG(Gangtok). He is State Vice President of "Human Rights Help Association

## 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 a commercial building.

### Workshop Highlights

1. Module on heat load calculation, air flow design and distribution.
2. Module on HVAC system selection based on energy efficiencies and other features.
3. Module on preparation of energy balance sheet.
4. Module on part load efficiencies.
5. Hands-on practice on energy simulation tool **Design Builder** as per ECBC code Compliance.

## ABOUT ORGANIZING INSTITUTE

Rajeev Gandhi Memorial College of Engineering and Technology (RGM CET) was founded in the year 1995 by "Vidyarathna" Dr. M. Santhiramudu. It is located in a 32 acre sprawling campus on NH-40 Nandyal, Andhra Pradesh. It has been set up with an aim to achieve technological excellence through innovation with a motto of "Education for peace and progress". It is approved by AICTE and accredited by NAAC, New Delhi, with A+ grade. 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 college has received many prestigious medals and appreciations by central and state Governments.

## ABOUT ORGANIZING 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 & PhD courses. 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.

## ABOUT TECHNICAL SPONSOR – ISHRAE BBS SUB- CHAPTER

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 World, 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.

## REGISTRATION

This workshop is open to UG/PG Students/ Research Scholars/Industry People.

### Registration Fee:

For ISHRAE Student Members	Rs. 500/-
For UG & PG Students	Rs. 750/-
For PHD , Teaching Faculty & Other ISHRAE Members	Rs. 1000/-
For Industry Persons	Rs. 2000/-

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 Number	732802010002469
IFSC Code	UBIN0573281
Bank & Branch	Union Bank & Mahura Branch

### How to apply:

**Step-1** Pay the registration fee as per your category using the online transfer details provided in the above table.

**Step-2** Fill the online registration form using the link given below:

<https://docs.google.com/forms/d/e/1FAIpQLSfhogNN53qWB33EH53aZyXq7BnP44GrpUGPNfV3U1p8MzSWsw/viewform>

**Step-3** Only 50 seats are available. Accommodation will be given based on first-come-first-serve basis.

**Step-4** Certificate will be provided for the candidates.

### Important Dates:

Start Date of Online registration	05-09-2022
Last date for online registration	18-09-2022
Workshop Dates	20-09-2022 to 22-09-2022

### Organizing Committee:

<b>CHIEF PATRON (S):</b>	Dr. M. Santhi Ramudu, Chairman, RGM Group of Institutions, Sri. M. Siva Ram, Managing Director, RGM Group of Institutions
<b>PATRON:</b>	Dr. T. Jayachandra Prasad, Principal, RGM CET Nandyal
<b>TECHNICAL ADVISOR:</b>	Dr. D. V. Ashok Kumar, Director-Admin, RGM CET Nandyal
<b>PRESIDENT:</b>	Dr. K. Thirupathi Reddy, HOD – M. E., RGM CET Nandyal

## Executive Committee:

Dr. V. Siva Reddy, Professor., ME  
Dr. Syed Altaf Hussain, Professor., ME  
Dr. V. Chandra Sekhar, Professor., ME  
Dr. V. Nageswara Reddy, Professor., ME  
Dr. B. Sidda Reddy, Professor., ME  
Dr. K. Sudha Maduri, Assoc. Prof., ME  
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Dr. Manoj Panchal, Asst. Prof., ME  
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Mr. N. Upendra, Asst. Prof.  
Mr. B. Suresh, Asst. Prof.  
Mr. B. Dinesh Babu, Asst. Prof.  
Mr. T. John Babu, Asst. Prof.  
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Mr. K. Aswarthanarayana, Asst. Prof.  
Mr. M. G. Khaja Hussain, Asst. Prof.  
Mr. Bana Veerendra, Asst. Prof.  
Mr. S. M. Karishma, Asst. Prof.  
Mr. Md. AneesShaik, Asst. Prof.  
Mr. G. P. Ranga Swamy, Asst. Prof.,  
Mr. A. GousePeera, Asst. Prof.,  
Mr. P. V. Jaya Sankar, Asst. Prof., ME

## Contact Details:

### **CONVENER:**

Dr. D. Abhishek, Assistant Professor, Department of Mechanical Engineering, RGM CET Nandyal, Ph. NO: 8074741028, Email: [dasoreabhishek@rgmcet.edu.in](mailto:dasoreabhishek@rgmcet.edu.in)

### **COORDINATOR:**

Mr. Anees Shaik, Assistant Professor, Department of Mechanical Engineering, RGM CET Nandyal, Ph. No.: 8073777015, Email: [mdaneessheik786@gmail.com](mailto:mdaneessheik786@gmail.com)