

## 3<sup>rd</sup> ONLINE INTERNATIONAL CONFERENCE

On

# Recent Trends in Renewable Energy and Advancement in Engineering & Technology (RTREAET-2023)

Dates: 16-17 February, 2023

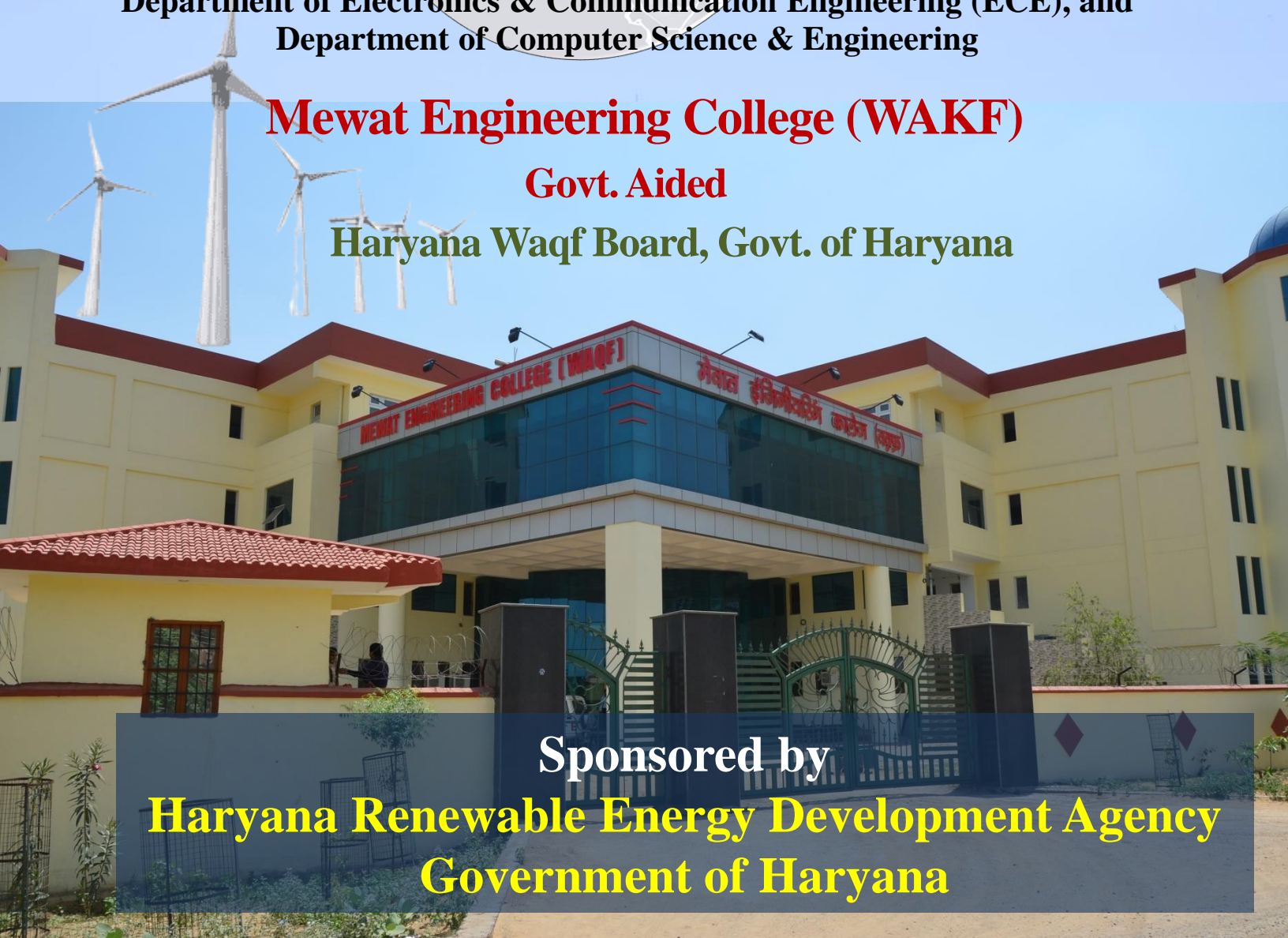
Organized by:

Department of Electrical & Electronics Engineering (EEE)  
Department of Electronics & Communication Engineering (ECE), and  
Department of Computer Science & Engineering

**Mewat Engineering College (WAKF)**

**Govt. Aided**

**Haryana Waqf Board, Govt. of Haryana**



Sponsored by

**Haryana Renewable Energy Development Agency  
Government of Haryana**

## ABOUT MEC

Mewat Engineering College (Wakf) is a unique venture of Haryana Waqf Board, Government of Haryana, in district Nuh, Mewat to impart quality higher technical education to the students of all sections of society. It was started in the year 2010-11 with four streams, ME, EEE, CSE and ECE leading to B Tech degree course. Seeing the success and great demand, a new stream of Civil Engineering was started during session 2011-12. It has been approved by All India Council for Technical Education (AICTE), New Delhi & Directorate of Technical Education, Haryana and affiliated to Maharishi Dayanand University (MDU), Rohtak, Haryana. It has been granted the status of Minority Institution by the Government of Haryana. However, open to all communities.

## ABOUT HAREDA

Haryana Government has set up Haryana Renewable Energy Development Agency (HAREDA) in May, 1997. It is acting as a nodal agency to implement the various centrally and state sponsored schemes/projects in the area of renewable energy in the State. It is responsible for formulating policies and programmes necessary for popularizing the applications of various non - conventional and renewable sources of energy in the State.

## ABOUT RTREAT-2023

**Recent Trends in Renewable Energy and Advancement in Engineering & Technology (RTREAT-2023)** aims to bring together leading academicians, scientists, researchers, research scholars, and industry personnel to exchange and share their experiences and research results about all aspects of renewable energy sources, engineering and technology. It also provides the premier interdisciplinary forum for scientists, engineers, and practitioners to present their latest research results, ideas, developments, and applications in the area of science and technology.

**RTREAT-2023** plays a significant role in inspiring breakthrough innovations from fundamentals to technological challenges and applications that are shaping the era of Industry 4.0. The conference will provide a unique platform to the participants to evolve their ideas and cogitation as they listen to a well-crafted panel discussion along with thought-provoking speaker sessions.

## OBJECTIVES

- Bring together professionals from around the globe with the purpose of encouraging innovative ideas and sharing diversified knowledge and international experiences.
- Provide indispensable exposure to the audience promoting the highest utilisation of research knowledge.
- Provide a key platform for Renowned Academicians, Research Scholars and Industry Experts to disseminate knowledge and present ongoing research through scholarly publications.
- Facilitate career development of all participants and provide opportunities to network and build connections with professionals with shared interests.

## CALL FOR PAPERS

Original and unpublished research papers are invited related to following sub-themes of the conference, but not limited to:

### Renewable Energy

- Biomass Conversion
- Photovoltaic Technology Conversion
- Solar Thermal Applications
- Wind Energy Technology
- Desalination
- Solar and Low Energy Architecture
- Climatology and Meteorology
- Geothermal Technology
- Wave, Tide and Ocean Thermal Energies
- Hydro Power
- Hydrogen Production Technology and Fuel Cells
- Socio-economic and Policy Issues

### Soft Computing Technologies

- Algorithms
- Programming Languages
- Computing Architectures and Systems
- Neural Networks and Deep Learning
- Machine Learning
- Fuzzy logic system
- Human Computer Interface
- Crowd Sourcing & Social Intelligence

### Advanced Engineering and Science

- Applied Science and Engineering
- Mathematical Modeling and Computational Analysis
- Industrial and Production Aspects
- Physics, Chemistry and Biosciences
- Computational Methods for Engineering and Technology

### Power, Energy and Power Electronics

- Power Generation, Transmission and Distribution
- High Voltage Engineering, HVDC-FACTS
- Switching Circuits & Power Converters
- Power System Monitoring, Control and Protection
- Micro Grids & Distributed Generation
- Control Communication and Monitoring of Smart Grid
- Energy Storage System

### Robotics, Control, Instrumentation and Automation

- Humanoid robots
- Mobile robotics
- Space and underwater robots
- Control system modeling
- Intelligent control, Neuro-control, Fuzzy Control and their Applications
- Networked Control Systems
- Instrumentation Systems
- Industrial Automation

### Devices, Circuits, Materials and Processing

- Electronic devices, Materials and Fabrication Process
- Device Modeling & Characterization
- Advanced CMOS Devices and Process
- Beyond CMOS Device Technology
- Emerging Memory Technologies
- Analog and Mixed Signal ICs
- MEMS and Semiconductor Sensors

## IMPORTANT DATES

- Last date of Full Paper Submission : 25.01.2023
- Acceptance Notification : 30.01.2023
- Camera Ready Paper Submission: 07.02.2023
- Registration Date: 10.02.2023
- Conference Date 16-17 Feb. 2023

## PUBLICATION

All accepted papers will be published in proceedings with ISBN No. subject to the condition that at least one author must register and present the accepted paper during the conference.

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## PAPER SUBMISSION

Instructions for submission:

1. The submission link: ([rtreat2022@gmail.com](mailto:rtreat2022@gmail.com))
2. Authors must use the IEEE template.
3. Paper must be within 4 to 6 pages only.
4. Plagiarism should be less than 10% without reference.

## REGISTRATION FEE DETAILS:

Indian Delegates: 1000/-

Foreign Delegates: 30\$

## .Bank Account Details

Account Name: Mewat Engineering College Wakf  
SBI Acc. No.: 31204660546  
Bank IFSC Code: SBIN0000620

Bank charges have to be paid by authors only.  
Registration Fee includes entry to all sessions and soft copy of conference proceedings and certificates.

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