



# NCRAET-2025



## Call for Papers

National Conference on **Recent Advancement in Engineering and Technology**

**(NCRAET-2025)**

22 March (Saturday), 2025

**Organized by**

**Department of Electrical Engineering**

**RAJKIYA ENGINEERING COLLEGE SONBHADRA, UTTAR PRADESH, INDIA**



**IJCST**

ISSN : 2053- 6283

### PATRON

**Prof. G.S. Tomar**

Director, REC Sonbhadra

### CONFERENCE CHAIRS

**Dr. D. K. Tripathi**, REC Sonbhadra

**Dr. Amod K. Tiwari**, REC Sonbhadra

**Dr. Himanshu Katiyar**, REC Sonbhadra

### TECHNICAL PROGRAM CHAIR

**Prof. M.K.S. Sastry**, NUST Namibia

**Prof. Manoj Shukla**, Director REC Kannauj

### ORGANIZING SECRETARY

**Dr. Vijay Pratap Singh**, REC Sonbhadra

### JOINT ORGANIZING SECRETARY

**Dr. R.K. Patel**, REC Sonbhadra

**Dr. P.K. Verma**, REC Sonbhadra

### WEB DESIGNING SECRETARY

**Dr. Anurag Sewak**, REC Sonbhadra

**Mr. Prashant Pandey**, REC Sonbhadra

### PUBLICITY SECRETARY

**Dr. Ravi P. Tripathi**, REC Sonbhadra

**Dr. Vikas Tiwari**, REC Sonbhadra

### HOSPITALITY SECRETARY

**Dr. Ravi Pratap Singh**, REC Sonbhadra

**Dr. Abhinav Gupta**, REC Sonbhadra

### FINANCE SECRETARY

**Er. Deepak Sigroha**, REC Sonbhadra

**Er. Ram Ishwar Vais**, REC Sonbhadra

### ADVISORY COMMITTEE

**Prof. Rajiv Tripathi**, VC RGPV Bhopal, India

**Prof. R. S. Verma**, Director, MNNIT Prayagraj

**Prof. Narendra S. Chaudhari**, IIT Indore, India

**Prof. S. N. Singh**, Director, IIIT Gwalior, India

**Prof. K.S. Verma**, Director Mirzapur, India

**Prof. Sandeep Tiwari**, Principal, Darbhanga College of Engineering, Bihar, India

**Prof. Tai Hoon Kim**, Korea

**Prof. Prerna Gaur**, Director, NSUT Campus

**Prof. Dr. Mehmet Efe**, Turkey

**Prof. Nand Kishore**, Ostfold University, Norway

**Dr. Layth Abdul Rasool**, Iran

**Dr. Jawad Alkhateeb**, PMU, Kingdom of Saudi Arabia

**Prof. Kjetil Uhlen** Norwegian University of Science and Technology, Norway

**Dr. Malabika Basu** DIT, Ireland

### TECHNICAL PROGRAM COMMITTEE

**Prof. R. K. Singh** MNNIT Allahabad, Prayagraj

**Prof. S. P. Singh** REC Ambedkar Nagar, India

**Prof. Ansul Agarwal**, BBU, Lucknow, India

**Prof. A. N. Tiwari** MMMUT, Gorakhpur, India

**Prof. R. K. Nagaria** MNNIT Allahabad, Prayagraj

**Prof. Neeta Pandey** DTU, New Delhi, India

**Prof. A.K. Malviya** KNIT, Sultanpur, India

**Prof. Anil Kumar Singh** MNNIT Allahabad, Prayagraj, India

**Mr. Kamlesh K Bharti**, REC Kannauj

**Prof. Priyanak Jain**, DTU Delhi, India

**Mr. Santosh Tripathi**, REC Kannauj

**Prof. Yogendra Kumar** MANIT Bhopal, India

**Dr. Sanjeev Rai** MNNIT Allahabad, Prayagraj, India

**Dr. Rajesh Prasad** African University of Science & Technology, Abuja, Nigeria

**Mr. Santosh Tripathi**, REC Kannauj

**Dr. Sandeep Kumar**, BEL Ghaziabad, India

**Dr. Vijay K. Tiwari**, REC kannauj

**Dr. Ravi Kr. Gangwar** IIT Dhanbhad, India

**Mrs. Shilpi Yadav**, REC Kannauj

**Dr. Arun Kumar Singh**, REC Kannauj

### LOCAL ORGANIZING COMMITTEE

**Dr. Harish Chandra Upadhyaya**, REC Sonbhadra

**Dr. Arvind Kumar Tiwari**, REC Sonbhadra

**Dr. Bhavana Arora**, REC Sonbhadra

**Dr. Mainejar Yadav**, REC Sonbhadra

**Er. Ashish Ranjan Mishra**, REC Sonbhadra

### HOSPITALITY COMMITTEE

**Er. Sikander**, REC Sonbhadra

**Miss Deepti Choubey**, REC Sonbhadra

**Mr. Navneet Upadhyay**, REC Sonbhadra

**Mr. S. K. Singh**, REC Sonbhadra

**Mr. Lal Bahadur Yadav**, REC Sonbhadra

**Mrs. Archana Maurya**, REC Mirzapur

### REGISTRATION COMMITTEE

**Er. Kalpana Singh**, REC Sonbhadra

**Dr. Rakhi Yadav**, REC Sonbhadra

**Mr. Ravi Pratap Singh**, REC Sonbhadra

**Mr. Sonu Singh**, REC Sonbhadra

**Mr. Dilip Yadav**, REC Mirzapur

### ABOUT CONFERENCE:

RAJKIYA ENGINEERING COLLEGE SONBHADRA is going to organize National Conference on **Recent Advancement in Engineering and Technology (NCRAET-2025)** is a prestigious forum that brings together researchers, academicians, industry experts, and students to exchange innovative ideas and discuss cutting-edge advancements in various fields of engineering and technology. This conference serves as a platform for knowledge sharing, fostering collaboration, and presenting groundbreaking research that addresses current challenges and future trends in science and technology. With a focus on interdisciplinary innovation, RAET aims to bridge the gap between academic research and industrial applications, promoting technological growth for societal development. The event will feature keynote sessions, technical paper presentations, panel discussions, and interactive workshops, providing a unique opportunity for participants to gain insights into emerging technologies, network with experts, and contribute to the evolving landscape of engineering and applied sciences. We welcome submissions in diverse domains, including Artificial Intelligence, Communication Systems, Renewable Energy, Advanced Materials, Cybersecurity, Robotics, and many more. Join us in shaping the future of technology and engineering excellence!

### IMPORTANT DATES:

**Last date of paper Submission: 15 March, 2025**

**Paper Acceptance Notification: 18 March, 2025**

**Submission of Final Copy: 20 March, 2025**

### PAPER SUBMISSION LINK:

<https://forms.gle/q2LjzfeZcAiodRvS8>

### CONFERENCE TRACKS:

#### Track 1-Electrical Engineering ⚡

- Smart Grid & AI-Driven Power Management
- Green Energy Technologies & Energy Storage Solutions
- Electric Vehicles (EVs) & Battery Management Systems
- Wireless Power Transfer & Future Power Electronics
- AI and IoT for Smart Power Systems
- Hydrogen Energy & Fuel Cell Technologies
- Advanced Materials for Electrical Applications

#### Track 2-Electronics Engineering 🧩

- 6G Wireless Communication & Next-Gen Networks
- Flexible & Wearable Electronics for Healthcare
- Quantum Electronics & Photonic Devices
- Chip Design & AI Accelerators (Neuromorphic Computing)
- TeraHertz Communication & Emerging RF Technologies
- AI for Embedded Systems & Edge Computing
- Nanoelectronics & MEMS/NEMS Technologies

#### Track 3-Computer Science & Engineering 🖥️

- Generative AI & Large Language Models
- Cyber-Physical Systems & Digital Twins
- Blockchain, Web3, and Decentralized Computing
- AI, Machine Learning, and Data Science Applications
- Federated Learning & Privacy-Preserving AI
- Metaverse, AR/VR, and Spatial Computing
- Green Computing & Sustainable AI Models

#### Track 4-Applied Sciences and Interdisciplinary

- Optimization Techniques and Simulation
- AI and ML in Applied Sciences
- Computational and Mathematical Sciences
- Green Chemistry and Sustainable Materials
- Advanced Physics and Material Science

### PAPER SUBMISSION GUIDELINES:

Prospective authors are invited to submit manuscripts reporting original unpublished research and recent developments in the topics related to the conference not more than 6 pages. Papers must be written in good English. Accepted submissions must not appear in the any publications. It is required that the manuscript follows as **Microsoft Word format, in Times New Roman, font size 12 for English, and one-inch margins on single-sided A4 paper** [Download the Template](#). Submissions must include title, abstract, keywords, author and affiliation with email address. The similarity index for a submitted paper should be below 20%.

### PAPER SUBMISSION MODE:

Submitted papers must be in DOC/DOCX/PDF format and should be submitted electronically via Google Form Link on or before **15 March 2025**.

### REGISTRATION PARTICULARS:

**UG/PG/Research Scholar: ₹ 500**

**Academicians and Industrialists: ₹ 1,000**

**(Registration fee includes Conference kit, Conference lunch and refreshment, Participation certificate)**

**SCAN FOR REGISTRATION/  
PAPER SUBMISSION:**



**For any query please**

**📧 head.eed@recsonbhadra.ac.in**

**☎ : +91 8707600008, +91-8953789305**

**Rajkiya Engineering College Sonbhadra**

**Churk, Uttar Pradesh 231206**

**[www.recsonbhadra.ac.in](http://www.recsonbhadra.ac.in)**

**Publications:** All the accepted & presented paper will be published in **International Journal of Communication System & Network Technologies/IEEE-Explore**