

# Government College of Engineering, Amravati

(An Autonomous Institute of Government of Maharashtra)

## International Conference on Applications of Engineering for Sustainable Development (ICAESD 2024) (under the aegis of Diamond Jubilee Celebrations)

**Date: 20-21 December, 2024**

### Tracks/Topics:

Electronics System Design & Manufacturing  
Communications Systems & Signal Processing  
Internet Technology & Society  
Big Data & Internet of Things  
Machine Learning & Deep Learning  
Network & Cyber Security  
New Generation Biomedical Equipments  
IoT Based Instrumentation Applications  
Nano Science & Nanotechnology  
Geo-Hazards & Risk Assessment  
Structural Health Monitoring  
New & Renewable Energy Sources  
Advances in Manufacturing  
Power Electronics and Drives  
AI/ML Applications in Electrical Engineering

### Submission Details:

Full Paper Submission: 31/08/2024  
Acceptance/Rejection Notification: 15/10/2024  
Registration: 01/11/2024  
Final Paper/Camera Ready Submission Date: 15/11/2024  
Conference Date: 20-21 December, 2024

### Conference Website:



<https://www.icaesd.gcoea.ac.in>

### Registration Details:

UG/PG/Ph.D. Students: Rs. 3000.00  
Academician/Faculty: Rs. 4500.00  
Industry Person: Rs. 6000.00  
Delegate from Abroad: USD 54  
Attendee: Rs. 1500.00

### Accepted Paper Publication:

**IJTE - UGC CARE Journal**

ISSN No. : 0971-3034

### Paper Submission:

**EasyChair Link**



### Paper Template:



**IEEE Two Column Format**

**Dr. A.M. Mahalle**  
Principal  
General Chair

**Dr. R.M. Metkar**  
Dean (R&D)  
Organizing Chair

**Dr. S.A. Lohi**  
Co-Convenor, IIC  
Organizing Co-Chair

**Dr. S.S. Thakare**  
Innovation Co-ordinator  
Organizing Co-Chair

## Manuscript Review/Paper Acceptance Process

- Initial screening will be done to check compatibility with the conference theme & track
  - Papers submitted in IEEE Two column format only will be considered for further processing
  - Papers received in proper format will be checked for Plagiarism to confirm originality of the submitted work. Manuscript with less than permissible plagiarism will be accepted for further processing else will be sent back to the author for revision
  - All the manuscripts with permitted plagiarism will be sent for technical and quality review. Double review process is applicable for all papers. Reviewer's comments will be communicated to the respective authors. Manuscripts recommended for revision by the reviewers will be reverted to the respective author with a notification for re-submission within a week's time from the date of notification
  - Manuscript approved by the reviewers will be considered for final presentation and publication process
- The acceptance of the manuscript for presentation in the conference will be notified to the author by the respective Co-chairs

**"Authors must read the guidelines carefully and use the appropriate paper template."**

## Submission of Paper

The conference welcomes paper submission from researchers, practitioners, academicians and students through Easy Chair conference management system - (<https://easychair.org/conferences/?conf=icaesd2024>) All the accepted and presented papers will be published in UGC CARE JOURNAL (Indian Journal of Technical Education) subject to quality and policy check by the publisher. All rights for presentation & publication of paper are reserved by ICAESD 2024 and its decision regarding papers will be final

## Submission Process

- Kindly use the Full Paper Template IEEE (Two Column Format) provided on the website for formatting the paper. Full papers should have minimum 04 pages and Maximum 06 pages
- The paper should be original and should not have been published or submitted for review anywhere else Plagiarism of any type, if detected, will lead to rejection of the manuscript. No request will be entertained for plagiarism related queries
- Only two papers per author are permitted for submission
- Please mention the most relevant theme of the manuscript as per the themes mentioned in the EasyChair submission process
- Tables, figures and images should have appropriate captions and be of good visual quality. Each of these items must be cited inline in the main text of the manuscript. References should be provided and properly cited
- If the research included in the manuscript is funded or supported by any institution, agency or organization etc, please indicate the same under "Acknowledgement" section of the manuscript at the end of the paper
- The paper must be submitted in PDF format only for the review process. Camera Ready Copy will have to be submitted in both word and pdf formats
- Before submitting the manuscript, please ensure that the Language used (English) is clear, concise, coherent and grammatically correct
- Upload the full paper Only through the Conference submission Platform: EasyChair (<https://easychair.org/conferences/?conf=icaesd2024>)



<https://www.icaesd.gcoea.ac.in>



EasyChair Submission Link

Contact us: [icaesd24@gmail.com](mailto:icaesd24@gmail.com)



महाराष्ट्र शासन



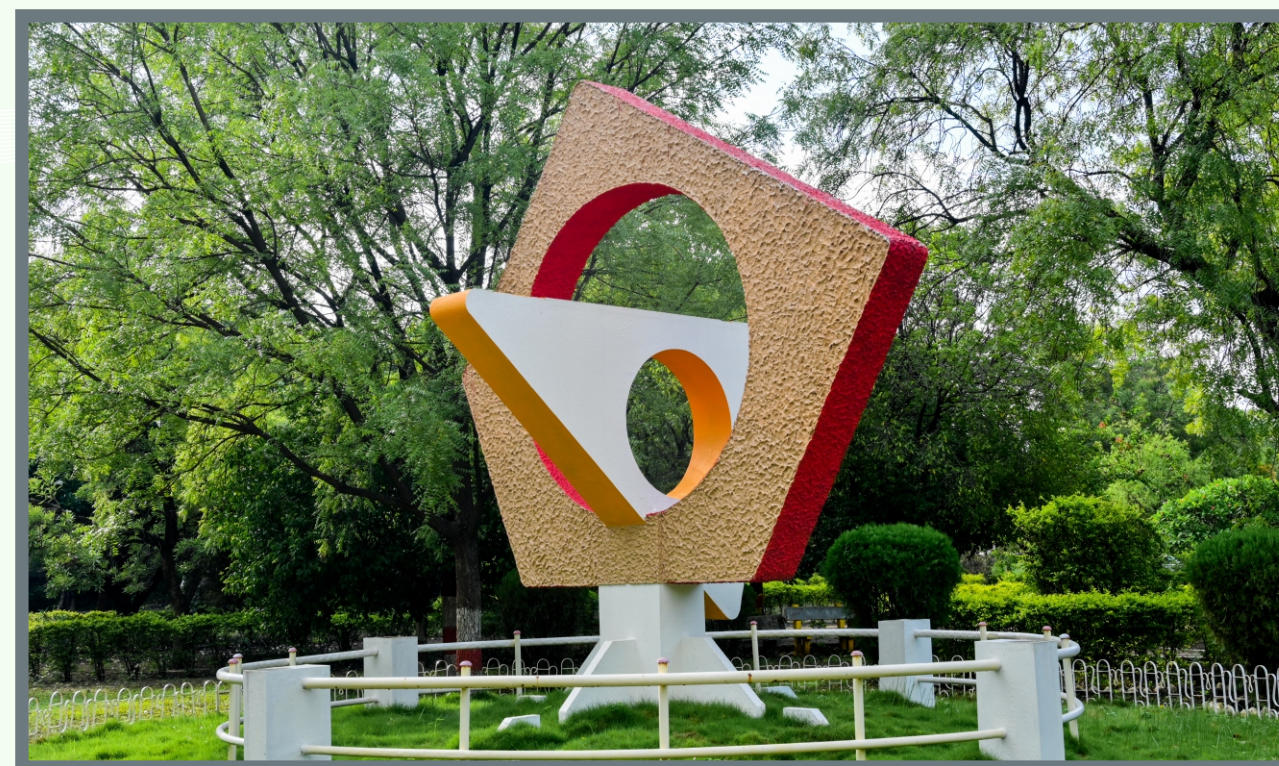
**Government College of Engineering, Amravati**

(An Autonomous Institute of Government of Maharashtra)

# International Conference on Applications of Engineering for Sustainable Development (ICAESD 2024)

(under the aegis of Diamond Jubilee Celebrations)

**Date: 20-21 December 2024**



Indexed by

Supported by



ACM, Nagpur Chapter

- Organized by -

**Government College of Engineering, Amravati**

Kathora Square, Amravati, Maharashtra, India, 444 604

Email: [icaesd24@gmail.com](mailto:icaesd24@gmail.com)

Website: <https://www.icaesd.gcoea.ac.in>

## About Institute

- Government College of Engineering, Amravati (GCoEA) is one of the oldest engineering institutes in the state of Maharashtra, India, located in Amravati .It was established in 1964 by the Government of Maharashtra.
- The Institute started with three basic disciplines Civil, Mechanical and Electrical Engineering initially. Subsequently new degree programs in Electronic & Telecommunication, Computer Science & Engineering, Instrumentation Engineering and Information Technology were added as per the demand, need and requirements of the country.
- The institute now offers seven full time PG programs in Electrical Power Systems, Structures, Thermal Power Engineering., Environmental Engineering., Advanced Electronics, Computer Engineering and Geotechnical Engineering.
- It is also a recognized research center for Ph.D. Programs in Civil, Mechanical, Electrical, Electronics and Computer Engineering & Physics for Amravati University. The institute was granted Autonomy by UGC in 2005–06. The institute is a recipient of TEQIP-I and TEQIP-II grant by World Bank Project.

## About ICAESD24

Welcome to ICAESD 2024 - the International Conference on Applications of Engineering for Sustainable Development. Our goal is to provide a platform for researchers, industry professionals, and students to share innovations and research findings. Scheduled for December 20-21, 2024, this conference aims to foster collaboration and knowledge exchange in Engineering and Technology. Join us as we explore sustainable development solutions and shape the future together.

## Tracks / Topics

- Electronics System Design & Manufacturing
- Communications Systems & Signal Processing
- Internet Technology & Society
- Big Data & Internet of Things
- Machine Learning & Deep Learning
- Network & Cyber Security
- New Generation Biomedical Equipment
- IoT Based Instrumentation Application
- Nano Science & Nanotechnology
- Geo-Hazards & Risk Assessment
- Structural Health Monitoring
- New & Renewable Energy Sources
- Advances in Manufacturing
- Power Electronics & Drives
- AI/ML Applications in Electrical Engineering

## Submission Details

Full Paper Submission: 31/08/2024  
 Acceptance / Rejection Notification: 15/10/2024 Registration: 01/11/2024  
 Final Paper / Camera Ready Submission Date: 15/11/2024  
 Conference Date: 20-21 December, 2024

## Registration Details

UG/PG/Ph.D. Students:	Rs. 3000
Academician / Faculty	Rs. 4500
Industry Persons	Rs. 6000
Delegate from Abroad:	USD 54
Attendee:	Rs. 1500

## Patrons:

**Dr. Vikas Chandra Rastogi, IAS**  
 Principal Secretary  
 Higher and Technical Education Department  
 Government of Maharashtra, Mumbai

**Dr. Sachin A. Mandavgane**  
 Chairman, BoG  
 Professor & Head, Chemical Engineering  
 VNIT, Nagpur

**Dr. Vinod M. Mohitkar**  
 Director  
 Directorate of Technical Education  
 Maharashtra, Mumbai

**Dr. Vijay R. Mankar**  
 Joint Director  
 Technical Education  
 Regional office, Amravati

## Program Chairs

**General Chair**  
**Dr. Ashish M. Mahalle**  
 (Principal, GCoEA)

**Organizing Chair**  
**Dr. Rajesh M. Metkar**  
 Dean (Research & Innovation)

**Organizing Co-Chair**  
**Dr. Shantanu A. Lohi**  
 Co-Convenor, IIC

**Organizing Co-Chair**  
**Dr. Shubhada S. Thakare**  
 Innovation Co-ordinator

## International Advisory Board

**Dr. Brijesh Patel**  
 Design Automation Laboratory, Department of Mechanical  
 Engineering, National Taiwan University of Science and  
 Technology, Taipei, Taiwan

**Prof. Dr. Mohan Kolhe**  
 Professor (Smart Grid & Renewable Energy)  
 Faculty of Engineering and Science University of  
 NO, Grimstad, Norway

**Dr. Viraj Nistane**  
 Faculty of Science, University  
 of Geneva, Switzerland)

**Dr. Saroj Hiranwal**  
 Associate Coordinator for BITS  
 Victorian Institute of Technology  
 Adelaide Campus, South Australia

**Mr. Aashish K. Chandak**  
 Sr.Manager, Gulf Aluminium  
 Rolling Mill (GARMCO), Bahrain

## National Advisory Board

**Dr. Maheshkumar Kolekar**  
 Associate Professor  
 Electrical Engg., IIT Patna

**Dr. Devendra Deshmukh**  
 Professor  
 Mechanical Engineering, IIT, Indore

**Dr. Jagdish Chand Bansal**  
 Associate Professor (Senior Grade)  
 South Asian University, New Delhi

**Prof. Amod C. Umarikar**  
 Associate Professor, Electrical  
 Engineering, IIT, Indore

**Dr. Santosh Kumar Vishvakarma**  
 Professor, Department of  
 Electrical, IIT Indore

**Dr. R. S. Anand**  
 Professor, Department of  
 Electrical Engg., IIT Roorkee

**Dr. A.M. Kuthe**  
 Professor, VNIT,  
 Nagpur

*Authors/Attendee are requested to pay the Registration Fee (via online payment modes only) to the following Bank Account .....*

- Account Name -  
 Principal, Government College of Engineering, Amravati  
 - Account No.-  
 30775554748  
 - IFSC Code -  
 SBIN0012011  
 - Bank Name -  
 State Bank of India, Gadge Nagar Branch, Amravati