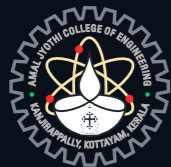


**NACORE**  
NATIONAL CONFERENCE ON  
RESEARCH IN EMERGING AREAS **2025**

**NATIONAL CONFERENCE ON  
RESEARCH IN EMERGING AREAS**

C.O.N.F.E.R.E.N.C.E. T.H.E.M.E.

*Sustainable Futures  
Integrating Ai for a Greener Tomorrow*



**AMAL JYOTHI**  
**COLLEGE OF ENGINEERING**  
**AUTONOMOUS**  
KANJIAPPALLY



**DEPARTMENT OF  
COMPUTER SCIENCE  
& ENGINEERING**



**24-25 MARCH 2025**



# National Conference on Research in Emerging Areas



NACORE'25, the National Conference on Research in Emerging Areas, is scheduled for March 2025 at Amal Jyothi College of Engineering in Kanjirappally, Kottayam, Kerala. Building upon the success of previous editions, NACORE25 aims to bring together engineers, academicians, scientists, industry professionals, researchers, and students to exchange experiences and research findings.

## Key Topics

- **AI in Renewable Energy:** Exploring AI-driven solutions for optimizing renewable energy sources, enhancing efficiency, and reducing carbon footprints.
- **Sustainable Resource Management:** Utilizing AI for effective management of natural resources, waste reduction, and environmental conservation.
- **Green AI:** Developing AI technologies with minimal environmental impact, focusing on energy-efficient algorithms and sustainable computing practices.
- **AI for Climate Action:** Leveraging AI to model climate patterns, predict environmental changes, and support mitigation strategies.
- **Ethical AI and Sustainability:** Addressing the ethical implications of AI in sustainable development, ensuring fairness, transparency, and inclusivity.
- **Core Topics in Emerging Areas:** Exploring foundational and cutting-edge advancements in modern computational technologies.

## Conference Highlights

- **Keynote Speeches:** Insights from leading experts in AI and sustainability.
- **Technical Sessions:** Presentations on cutting-edge research and innovative applications.
- **Workshops:** Hands-on sessions focusing on AI tools and sustainable practices.
- **Panel Discussions:** Debates on the challenges and future directions at the AI-sustainability nexus.
- **Networking Opportunities:** Platforms for collaboration among academia, industry and policymakers.

## About Amal Jyothi College of Engineering

Amal Jyothi College of Engineering, located in Kanjirappally, Kottayam, Kerala, has a rich history of hosting national conferences that serve as a common platform for professionals and students to share their research and experiences.

## About the Theme

NACORE25 aims to foster interdisciplinary discussions on the integration of Artificial Intelligence (AI) with sustainable practices, addressing global challenges in environmental conservation, energy efficiency, and ethical responsibility. Contributions that explore innovations in AI and their applications to sustainability are particularly encouraged.

## Call for Papers

### Core Topics in Emerging Areas

- Machine Learning and Deep Learning
- Internet of Things (IoT)
- Cybersecurity and Data Privacy
- Blockchain and Distributed Ledger Technologies
- Robotics and Automation
- Augmented and Virtual Reality
- Data Science and Big Data Analytics
- Interdisciplinary Applications
- AI in Healthcare and Biomedical Applications
- Computational Social Science
- AI in Education and Skill Development
- Intelligent Transportation and Logistics
- AI for Business Intelligence & Decision Support
- Theoretical Advances
- Algorithms and Optimization Techniques
- Computational Intelligence
- Software and System Architectures
- Human-Computer Interaction and Usability

### AI and Sustainability

- AI in Renewable Energy
- Sustainable Resource Management
- Green AI and Sustainable Computing
- AI for Climate Action
- Ethical and Inclusive AI
- AI for Smart Cities and Communities

**Tracks and Topics:** Submissions are invited on the following tracks, including both the previous conference tracks and those aligning with the current theme.

### Dates to remember

- › **Paper submission opens : 01/01/2025**
- › **Submission closes : 01/03/2025**
- › **Notification of acceptance : 10/03/2025**
- › **Camera ready paper : 15/03/2025**
- › **Conference dates : 24 & 25 March 2025**

### Registration

Category	Fee in ₹
Student	1000
Research Scholar	1500
Faculty	2000
Industry	2500
Accompanying Author	500
General Registration	750

### Submission Guidelines

- › All submissions must be original and not under review elsewhere.
- › Papers must be formatted according to the Conference Template.
- › Maximum length: [e.g., 8 pages], including figures, tables, and references.
- › Submit your manuscripts at <https://bit.ly/nacore25> or **scan QR**

## Publication of Conference Paper

Presented papers will be published in a Google Scholar-indexed journal, **International Journal on Emerging Research Areas (IJERA) (ISSN: 2230-9993)** and proceedings with ISBN, without any article processing charges (APC) for the authors

## Contact Information

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For more details and updates please visit the official conference website

[www.nacore.in](http://www.nacore.in)

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