

OBJECTIVES:

Artificial intelligence is revolutionizing rural development by enabling advancements in healthcare, agriculture, and education. Through AI-powered solutions, rural communities can benefit from improved access to quality healthcare services, enhanced agricultural practices, and modernized education systems. Initiatives focused on AI education, healthcare advancements, and agricultural innovations are driving positive change in rural areas. As AI continues to evolve, its potential to transform rural development and improve the lives of people in these communities is becoming even more promising. By embracing AI, rural areas can unlock new opportunities and pave the way for a prosperous future.

AI-based training programs can equip individuals in rural areas with the skills needed for emerging job markets, fostering economic independence. AI-driven technologies can improve connectivity in remote areas, providing better access to communication networks and the internet.

In recent years, the integration of artificial intelligence (AI) into various sectors has revolutionized the way we approach problem-solving and innovation. While urban areas have often been the focal point of AI advancements, there is a growing recognition of its potential to drive significant change in rural development. In this seminar, we explore the transformative impact of AI on rural development initiatives, highlighting its potential to address key challenges and unlock opportunities for sustainable progress.

COURSE CONTENTS:

- The role of artificial intelligence in achieving the Sustainable Development Goals
- AI-driven Education Initiatives
 - Education and Talent Training
 - AI Learning Experiences for Middle School Students
 - Transforming Education
- Digital technologies in agriculture and rural areas
 - Agricultural Science and Technological Innovation
 - Revolutionizing Agriculture
 - AI-driven Agriculture Solutions
- Harnessing AI for Inclusive Growth: Bridging the Digital Divide in Rural India
- Artificial Intelligence in the Industry 4.0, and Its Impact on Poverty, Innovation, Infrastructure Development, and the Sustainable Development Goals: Lessons from Emerging Economies
- The Sustainable Rural Industrial Development under Entrepreneurship and Deep Learning from Digital Empowerment
- Choice of AI based Algorithms and its implementation nuances pertaining to rural development - A case study perspective
- Drivers, Barriers and Social Considerations for AI Adoption on Rural Handmade

TARGET PARTICIPANTS:

The two days program is designed for who are the key personnel to understand and acquire the skills in AI for driving sustainable rural development

RESOURCE PERSONS:

Sessions will be handled by experts from Industries, leading academic organizations.

BOARDING AND LODGING:

The participants are eligible for free Boarding and lodging facilities on twin sharing basis in the College Hostel/Guest house. No family accommodation will be provided.

REGISTRATION DETAILS:

No registration fee for all the participants. The interested participants are requested to upload the filled in registration form duly signed by the Head of the Institution to the address mentioned on or before the last date (10.12.2024).

Registration is limited to 100 participants and selected on first-come-first serve basis.

HOW TO APPLY:

Applicants should upload the completed, signed, and scanned application form using the Google Form link provided below on or before 10.12.2024.

Google Form Link:

<https://forms.gle/ejZaCw3BEtZqQ2F97>

SCHEDULED DATES:

Last date for receipt of Applications :10.12.2024
 Intimation of Selection :11.12.2024
 Confirmation by participants :12.12.2024

**KONGU ENGINEERING COLLEGE
 (AUTONOMOUS)
 PERUNDURAI, ERODE 638 060 TAMILNADU**

**Indian Council of Social Science Research (ICSSR)
 Sponsored National Seminar on
 “AI driven skill development and knowledge transfer
 for empowering rural communities”
 (19.12.2024 to 20.12.2024)**

APPLICATION FORM

Name :
 Designation :
 Organization :
 Gender :
 Age :
 Educational Qualification:
 Address for :
 Communication
 Mobile Number :
 E-mail ID :
 Experience :
 Teaching : _____ years
 Others (Specify) : _____ years
 Need Accommodation : YES / NO
 Signature :

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place: _____
Date: _____ Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr _____

is an employee of our Institute / Organization and is hereby sponsored. He/She will be permitted to attend the programme in full, if selected.

Place: _____ Signature of the Sponsoring Authority

Date: _____ Office Seal

For any queries or clarifications, please contact:

Dr.D.Sarathkumar M.E., Ph.D.,

Assistant Professor (Senior Grade) / EEE

Convener

“AI driven skill development and knowledge transfer for empowering rural communities”

Department of EEE

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ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of “A++” and an autonomous institution affiliated to Anna University Chennai, has completed 39 years of dedicated and excellent service in the field of technical education. The college offers 17 UG, 15 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self-financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked Band of 101 to 150 in the Engineering Category in private Engineering colleges by NIRF ranking 2023. The institution received the AICTE Cleanest Campus Award in India and AICTE Cleanest Campus Award in Southern Region, instituted by AICTE, for the year 2017. The Competition Success Review magazine (June 2023) has listed the institution as Eminent and Well-known Engineering Institutes of India at All India level (including IIT’s and NIT’s). The Week (August, 2023) magazine has ranked the College at the 57th position in the overall category of Best Engineering Colleges in India, India Today (July 2023) magazine has ranked the College at 58th position including Deemed to be Universities in India. The Careers 360 has graded AAAA category ranking for 2023. The institution has received research grants amounting to around Rs. 28.24 Crores from various funding agencies like AICTE, UGC, DST, CSIR, DIT, MNRE etc and has also executed industrial consultancy work to the tune of around Rs. 7.11 Crores. DST, GoI, has sanctioned Rs.1 Crore for strengthening research facilities under FIST scheme. The TBI @ KEC, established with a grant-in-aid of Rs. 4.1 crores from the Department of Science and Technology, GOI, helps young entrepreneurs to incubate their business ideas in emerging areas like Electronics and ICT, and provides necessary scope to develop products. The NSTEDB / DST / GoI sanctioned Rs.7 crores under NIDHI PRAYAS Scheme

ABOUT THE DEPARTMENT

The Electrical and Electronics Engineering department occupies a prominent place in the chronicles of its academic history. The department has been consistently producing illustrious Engineering graduates of high caliber who occupy prestigious positions in the academic and industrial fields. The specialization of the faculty includes Power System Engineering, Power Electronics and drives, Energy Engineering, Applied Electronics, Control Systems, VLSI, Bio-Medical Engineering, Digital Signal Processing, Sensors and Networks, Computer Networks, Instrumentation and Control etc. The department offers four year UG programme in EEE and PhD programme. The department also carrying out many consultancy activities like energy auditing to many industries. EEE Department of Kongu Engineering College has bagged the National level award under the category “Best Industry linked Technical Institute for the Electrical Engineering stream” by AICTE CII. Department of Science and Technology has sanctioned Rs.1 crore for the establishment of renewable energy research centre. The department comprise 5 ongoing research project of overall grant amount of Rs.1.05 crores.



**ICSSR
Sponsored National
Seminar on**



**“AI driven skill development and knowledge transfer for empowering rural communities”
(19.12.2024 to 20.12.2024)**

**Organizing Committee by
Chairman**

Dr.M.Karthik M.E., Ph.D.,

Associate Professor and Head

Convener

Dr.D.Sarathkumar M.E., Ph.D.,

Assistant Professor (Senior Grade)

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