



# Dr. M.G.R.

## EDUCATIONAL AND RESEARCH INSTITUTE

### (Deemed to be University)

Maduravoyal, Chennai - 600 095. Tamilnadu, India.

(An ISO 9001-2015 Certified Institution)



## MGR ASSOCIATION FOR GREAT INNOVATIVE CREATORS

### Department of Electronics and Communication Engineering

Event Title	Guest lecture on "Recent Advances in VLSI circuits: Impact of Artificial Intelligence and Machine Learning"		
Objective of Event	To explore recent advances in VLSI circuits integrating AI/ML, enhancing final-year ECE students' knowledge.		
Chief Guest /Speaker Details	Prof. Subir Kumar Sarkar, Visiting Professor in the Dept of Electronics and Telecommunication Engineering,, IEST, Shibpur		
Date	04/07/2024	Time	10.00 AM to 12.00 PM
Venue	University Auditorium	No. of Participants	120

## REPORT

### TITLE

Guest lecture on "Recent Advances in VLSI circuits: Impact of Artificial Intelligence and Machine Learning"

### CONTENT

The Department of ECE , ECOMET Association and Institution of Engineers' (India) conducted a Guest Lecture on the topic "Recent Advances in VLSI circuits: Impact of Artificial Intelligence and Machine Learning", on 4th July 2024 at University Auditorium, RA block for the final year students of ECE. Mr Kathi James Athipathi final year ECE student hosted the event. Dr.U.Jayalatsumi, HOD/ECE delivered the welcome Address. The Guest speaker Dr. Subir Kumar Sarkar, Professor in Indian Institute of Engineering Science and Technology, Shibpur, Howrah was introduced by Dr. G. Themozhi, Professor/ECE and felicitated by Dr.L.Ramesh, JR EPA and Dr.K.Senthilkumar JR QSPM. The speaker imparted in-depth knowledge on design of VLSI circuits and elaborated about the reduction of power dissipation, improving speed of the CMOS based VLSI circuits and recent nm technology. He also explained the implementation of logic gates using back propagation algorithm. The session was very interactive and informative and the speaker clarified the queries raised by faculty and students. The event concluded with the vote of thanks delivered by Dr.K.Sudaman, Deputy HoD/ECE. Dr.G.Themozhi, Professor/ECE and Ms.J.Sri Arunaa, AP/ ECE organized and coordinated the event under the guidance of Dr.U.Jayalatsumi, HOD/ECE. The Department expresses the gratitude to our Honourable President for his support and all Executives for their encouragement in organizing the event.



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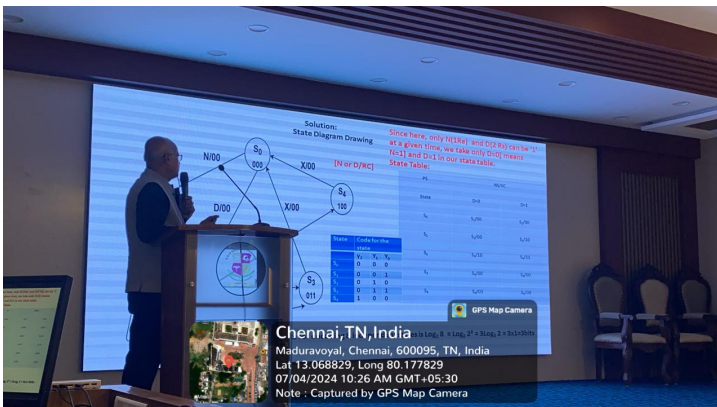
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### EVENT OUTCOME

The session fostered a deep understanding of cutting-edge nanometer technology and its implications. Participants engaged actively, gaining insights into future trends in semiconductor design and applications.

### PHOTOS

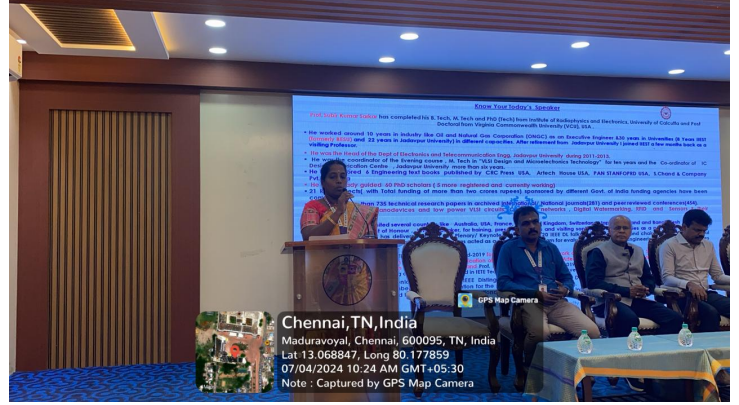




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Chennai, TN, India  
Maduravoyal, Chennai, 600095, TN, India  
Lat 13.068847, Long 80.177859  
07/04/2024 10:24 AM GMT+05:30  
Note : Captured by GPS Map Camera

Dr.G.Themozhi