



**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	Professional Society Event IETE Workshop on "Harnessing Machine Learning for Modern Electronics Engineering Solutions"		
Objective of Event	The workshop aimed to equip students with practical knowledge of machine learning fundamentals and their applications in electronics and IoT. It focused on hands-on training in supervised and unsupervised learning, data preprocessing, and real-world		
Chief Guest /Speaker Details	M. Venkatesh kumar, Chairman of IEEE Power & Energy Society (Madras Section)., Amrita School of Engineering, Amrita Vishwa		
Date	08/08/2025	Time	10.00 AM to 01.00 PM
Venue	VLSI LAB	No. of Participants	70

## REPORT

### TITLE

Professional Society Event IETE Workshop on "Harnessing Machine Learning for Modern Electronics Engineering Solutions"

### CONTENT

The Department of Electronics and Communication Engineering, with IETE, hosted a hands-on workshop on "Harnessing Machine Learning for Electronics Engineering" on August 8, 2025, at Dr. M.G.R. Educational and Research Institute. Led by Dr. M. Venkateshkumar, Chairman of IEEE Power and Energy Society, Amrita School of Engineering, Coimbatore, it drew 50 students from reputed institutions. The session covered machine learning basics, supervised and unsupervised algorithms, data preprocessing, and electronics/IoT applications, emphasizing practical implementation. Guided by Dr. U. Jayalathumi, Head of the Department, and coordinated by Dr. T. Vimala, Professor (ECE), and Mr. K. Amuthanatham, Assistant Professor (ECE), the event was a success. It enhanced participants' confidence in applying machine learning to electronics and IoT. The Department thanks our Honorable President and executives for their support in ensuring the workshop's success, providing a valuable learning experience for all attendees.



# Dr. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE (Deemed to be University)

Maduravoyal, Chennai - 600 095, Tamilnadu, India.

(An ISO 9001-2015 Certified Institution)



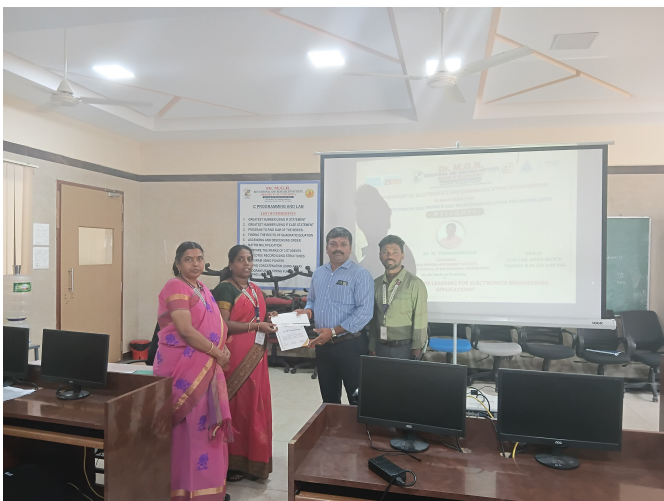
**MGR ASSOCIATION FOR GREAT INNOVATIVE CREATORS**



## EVENT OUTCOME

The "Harnessing Machine Learning for Electronics Engineering" workshop on August 8, 2025, enabled 50 students to gain hands-on expertise in machine learning applications for electronics and IoT. It enhanced their confidence in implementing these concepts, supported by expert guidance and effective coordination.

## PHOTOS





**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**



Dr.T.Vimala/ Mr. K Amuthanatham