



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	Interdisciplinary Lecture on " Applications of ANN "		
Objective of Event	The objective of the Interdisciplinary Lecture on "Applications of ANN" was to provide 3rd-year students with a comprehensive understanding of Artificial Neural Networks (ANN) and their real-world applications. The session aimed to introduce students to ANN		
Chief Guest /Speaker Details	Dr. A. Manoj kumar, Assistant professor, Dr. M. G. R educational and research institute, chennai		
Date	17/03/2025	Time	02.00 PM to 04.00 PM
Venue	VLSI Lab	No. of Participants	100

REPORT

TITLE

Interdisciplinary Lecture on " Applications of ANN "

CONTENT

The *Department of Electronics and Communication Engineering,* in collaboration with *ECOMET* and under the guidance of *Dr. U. Jayalathsumi, Head of the Department*, organized an *Interdisciplinary Lecture on "Applications of ANN"* for 3rd year students on 17.03.2025 from 2:00 PM to 4:00 PM. The event began with a warm welcome address delivered by *Dr. Chunchu Rambabu, Professors.*

The guest speaker for the event was *Dr. A. Manoj Babu, Assistant Professor from the Mechanical Engineering* Department. He started by covering the fundamentals of ANN, including neural architectures, training methods, and optimization techniques. He also explained the concept of low-power ANN models and their hardware implementation. Furthermore, he highlighted practical applications of ANN in areas such as *communication networks, signal processing, communication systems, image processing, and embedded systems*.

The session also explored the integration of ANN in hardware-based platforms like FPGA and DSP, focusing on enhancing computational efficiency and performance. To make the session more engaging, the speaker presented interactive videos that helped the audience connect with the content. He handled the Question-and-Answer session effectively, providing clear and insightful responses to the audience's queries.

The event was coordinated by *Dr. Chunchu Rambabu, Professor*, and concluded with a vote of thanks delivered by *Dr. V Amutha, Professor*, ECE Department.



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The *Department of ECE* extends its sincere gratitude to our esteemed President, *Er. A.C.S. Arun Kumar,* and all executives for their unwavering support, which played a key role in the grand success of the event.



EVENT OUTCOME

The Interdisciplinary Lecture on "Applications of ANN", organized by the Department of ECE in collaboration with ECOMET, was a resounding success. Led by Dr. A. Manoj Babu, the session provided 3rd-year students with valuable insights into ANN fundamentals, low-power models, and hardware integration with FPGA and DSP. The interactive approach, including videos and a dynamic Q&A session, enhanced engagement. The event, coordinated by Dr. Chunchu Rambabu, concluded with a vote of thanks.

PHOTOS



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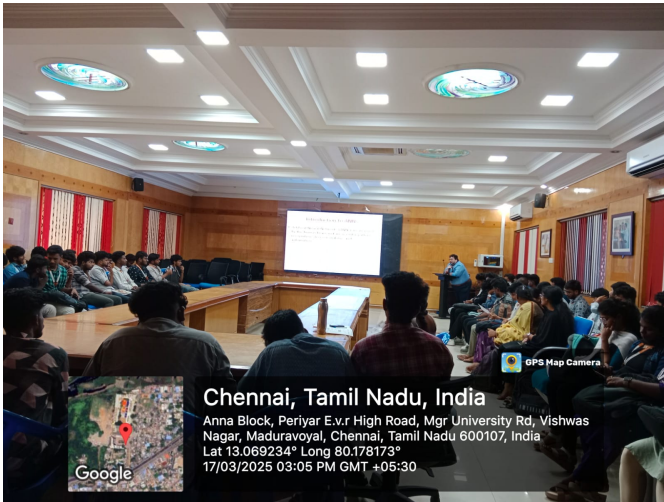
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Lat 13.06923° Long 80.178192°
17/03/2025 03:07 PM GMT +05:30



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Dr. ChunChu Rambabu