



National Workshop on Artificial Intelligence for Edge Devices

28.12.2019

ORGANIZED BY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MUTHAYAMMAL ENGINEERING COLLEGE

(AUTONOMOUS)

RASIPURAM - 637408

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THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS



MEC

Muthayammal Engineering College, established in the year 2000 and committed to uplift the rural community educationally in a stimulating learning environment. It is a co-educational self financing institution approved by AICTE, New Delhi and affiliated to Anna University. It offers 10 U.G. Programmes and 6 P.G. Programmes to cater to the needs of over 3000 students from various parts of our country and abroad. The college has got NBA accreditation for 4 UG programmes. It is accredited by the IT giants such as Tata Consultancy Solutions, WIPRO and Cognizant Technology Solutions. It stands ahead as one of the elite group of Technical Institutions in Tamilnadu, for its: Innovative practices in Teaching-Learning, Consistent Academic Result, The Best Infrastructure-well-equipped Classrooms & Laboratories, fully Networked Computing, Resourceful Library etc, Industry focused Training & Placement activities, Skills development thro' various Knowledge-Sharing Platforms, Continuous evaluation of teachers & students' performance and corrective measures, On-campus availability of Value Added Courses – EMC2, CISCO, ORACLE, JAVA, RED HAT, BEC, C, C++, and Special Coaching for TOFEL, GRE, CAT, GATE

ECE

The Department of ECE has 36 highly qualified and experienced faculty members with various specializations. The Department has well equipped laboratories such as Electronic Devices and Circuits Lab, Communication Systems Lab and Digital Signal Processing Lab. The department is also awarded the center of excellence for Research and Advanced studies by Anna University, Chennai. The department is offering B.E. in ECE and M.E. in VLSI Design and M.E. in Communication Systems. The department is having industry related laboratories such as Texas Instrumentation Lab and Wipro Research lab.

AGIMUS TECHNOLOGIES

AGIMUS Technologies Private Limited" is a technology company formed by veteran technology researchers who has more than two decade of experience in the area of IOT / Autosar / VLSI / Embedded / RF / PCB verticals and Technology Training / Machine Learning / AI . Innovation is the life of enterprise and AGIMUS is in pursuit of sustainable team, especially focus on R&D innovation.

ABOUT THE WORKSHOP

The Recent trend in challenges of disaggregating AI processing through the use of Agents and the EDGE AI paradigm, from devices located at the end of the network (IoT, Embedded Systems) to the cloud. Incorporating small machine learning models in battery-powered devices, the use of AI for network outage, the application of machine learning for data transmission, and the implementation of a cohesive infrastructure that allows developers to create AI software for the periphery.

OBJECTIVES

- To learn about the reasons for AI processing moving to the edge.
- How will AI processing hardware vary among different device types?
- To discuss the role of SoC accelerators at the edge and how will they compare to ASICs, CPUs, GPUs, and FPGAs.
- What will be the attach rates for AI edge processing across different device categories between 2017 and 2025?
- How will 5G networks impact the deployment of AI edge processors among others?

COURSE CONTENTS

- Edge AI and MAS
- Machine Learning on Edge AI
- Multi Agent Learning based on Edge AI
- Edge AI in IoT applications
- Edge AI in Smart Home
- Edge AI in Agricultural Technology
- Edge AI Algorithms
- Real-Time Artificial Intelligence

ORGANIZING COMMITTEE

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ECE

Coordinators

Mr. T. Suresh Babu, Assistant Professor,
ECE

Mr. S. Bhoopalan, Assistant Professor, ECE

RESOURCE PERSONS

Mr. Pramod Kumar Naik,
Sr. Manager-Skill Development and
Technology,
Agimus Technologies Pvt Ltd,
Bengaluru.

REGISTRATION FEES

Students (UG & PG) : Rs. 150/-
Faculty Members : Rs. 250/-

DATES TO REMEMBER

Last date : 20.12.2019
Date of intimation : 22.12.2019
Confirmation : 24.12.2019

For More Details

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For Registration:

SCAN ME

