

ABOUT THE WORKSHOP

The internet of things, or IoT, is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction. A thing in the internet of things can be a person with a heart monitor implant or a farm animal with a biochip transponder or an automobile that has built-in sensors to alert the driver when tire pressure is low or any other natural or man-made object that can be assigned an Internet Protocol (IP) address and is able to transfer data over a network.

This course is conducted especially for the polytechnic and engineering college students. The modern IoT based projects development can be practiced with the help of small prototypes available in the laboratory. At the end of this course, the students can work with Arduino, Node MCU and can integrate various sensors in view of developing various IoT based projects.

RESOURCE PERSONS

- ❖ Mr. M. S. Kalyana Sundaram, AP / EEE, Coordinator, Centre of IIoT, AAACET
- ❖ Mr. P. Vetrivel, AP / CSE, Trainer, Centre of IIoT, AAACET

PARTICIPANTS

- ❖ Interested students from Engineering / Polytechnic Colleges

SESSION DETAILS

- ❖ Introduction to Embedded systems, Arduino and Node MCU
- ❖ Hands on Training session on Arduino
- ❖ Hands on Training session on Sensor interfacing
- ❖ Hands on Training session on Node MCU
- ❖ Hands on Training session on IoT Experiments

REGISTRATION

Rs.400/- per participant

REGISTRATION LINK : <https://forms.gle/s5oUdewyimYfnZLJ8>
Online payment UPI ID vinoth2992-1@okaxis / 9943558992



IMPORTANT DATES

- ❖ Last Date for Receipt of Application: 18-12-2023
- ❖ Date of Intimation of Selection: 20-12-2023

COMMUNICATION ADDRESS

Mrs. M. Maheswari, Assistant Professor
Mr. R. Vinoth Kumar, Assistant Professor
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AAA COLLEGE OF ENGINEERING & TECHNOLOGY

Accredited by NBA (CSE, ECE, EEE, MECH), Accredited by NAAC with 'A' grade
An ISO 21001: 2018 Certified Institution | Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai, Kamarajar Educational Road, Amathur, Sivakasi - 626 005.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING & CENTRE OF IIoT jointly organize

A Two Days National Level Workshop on DEVELOPING INTERNET OF THINGS PROJECTS USING

ARDUINO AND NODE MCU

Date: 21.12.2023 & 22.12.2023

Venue: Centre of IIoT Laboratory

Patron
Dr. M. Sekar
Principal

Convener
Dr. C. Senthil Kumar
Professor & Head / EEE

Coordinators
Mrs. M. Maheswari, Assistant Professor / EEE
Mr. R. Vinoth Kumar, Assistant Professor / EEE

ABOUT THE DEPARTMENT

Our department is offering B.E.-EEE programme from 2013. We are having a well-qualified team with experienced faculty members with cadre ratio as per AICTE, who are guiding the students to attain the best educational objectives. Our department has 7 well equipped laboratories catering the curriculum requirements. Our objective is to provide knowledge and significant design experience across the key areas of electrical engineering that fulfills the needs of the society.

The field of Electrical Engineering is highly dynamic and exciting as it provides excellent career opportunities in all sectors of society. The advancements of electrical engineering make our modern society more comfort in all areas including health, business, education and entertainment. Electrical Engineers design and implement a wide range of systems such as power generation, transmission and distribution, telecommunication networks, electrical machines and modern industrial control systems.

DEPARTMENT VISION

- ❖ To be an eminent department by imparting professional knowledge and a sense of ethics through quality teaching, training and collaborative research.

DEPARTMENT MISSION

- ❖ To enlight students with sound technical knowledge and practical skills in electrical engineering through modern pedagogy delivered by eminent faculties with state of the art facilities.
- ❖ To educate students to be responsible electrical engineering professionals and entrepreneurs with moral values and ethics for serving the needs of the society.
- ❖ To evolve technological innovations that address the modern needs of electrical engineering through appropriate training and collaborative research.



ABOUT AAACET

AAA College of Engineering and Technology, Sivakasi was established in the year 2013, and is one among the renowned colleges for imparting technical education in the fireworks city. It is branded for its quality education through Panjurajan – Amaravathy trust, Thiruthangal, Virudhunagar District and Promoted by Vinayaga – Sony fireworks group of industries. The trust also manages two schools namely, Glory Matriculation Higher Secondary School and AAA International School (CBSE) in Thiruthangal. There by they provide quality education right from schooling itself. AAA, provides meritorious education with a commitment Excellence and find opportunity to apply the knowledge and skills in the industry as well as in the society we live. The college provides young and promising engineers who can work competitively and productively in the engineering services on a global scale. Learning is a continuous process at AAA to achieve over all academic excellence.

INSTITUTE VISION

- ❖ Emerge as a Premier Institute for Quality Technical Education and Research with social responsibilities.

INSTITUTE MISSION

- ❖ To offer state of the art infrastructure for under graduate, postgraduate and doctoral programs.
- ❖ To provide holistic learning ambience blended with professional ethics, leadership qualities and social responsibilities.
- ❖ To disseminate knowledge and undertake research in field of Engineering and Technology.
- ❖ To inculcate innovation and creativity among student community to become successful entrepreneurs.
- ❖ To undertake collaborative projects with academic, research centres and industries to provide cost-effective solutions.

ABOUT CENTRE OF IIOT

IIoT - Industrial oriented Internet of things laboratory was setup in association with Riyasaa labs to enhance and enrich the students' knowledge to meet the industry needs. IoT improves the education system and brings a lot of added value to the teaching environment and student learning. The objective of this Centre is to impart knowledge in Internet of Things to all our students and to train them with the requirement of the nation to become successful technocrats as well as entrepreneurs in IoT technology.

