MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Approved by AICTE, New Delhi and Affiliated to JNTUA, Ananthapuramu

www.mits.ac.in

A Three-days Offline Workshop on

"Automated Water Level Detection Using ARM cortex Micro Controller"

Organized by

Department of EEE and ECE

In association with

MITS-IETE Students Forum (ISF)

09.04.2025 to 11.04.2025

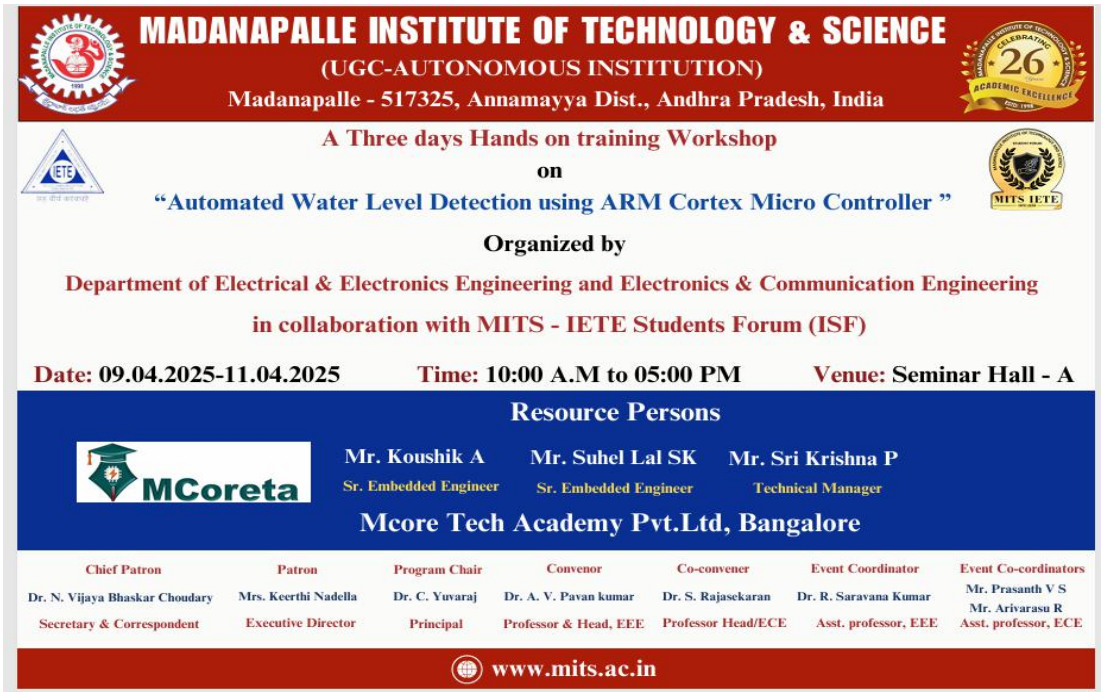
Venue: Seminar Hall-A

Resource Person: Mr Koushik A (Sr. Embedded Engineer), Mr. Suhel Ll SK (Sr. Embedded Engineer), Mr Sri Krishna P (Technical Manager)

Submitted by: Dr. R. Saravanakumar AP/EEE, Madanapalle Institute of Technology & Science, Madanapalle.

Co-coordinators: Mr V S Prasanth, Assistant Professor, Dept. of ECE
Mr. Arivarasu R, Assistant Professor, Dept. of ECE

Total Participants:111 Students



The MITS-IETE students Forum (ISF), Madanapalle Institute of Technology and Science, Andhra Pradesh**,** Madanapalle, in association with the Department of EEE and ECE, MITS, Madanapalle, organized a Three days offline workshop on **"Automated Water Level Detection Using ARM cortex Micro Controller"** on 09.04.25 to 11.04.25. About 111 participants participated in this program, making the event a success.

A summary of the Workshop is as follows:

Dr P Ramanathan Vice Principal, Academics, Dr. A V Pavan Kumar, Professor & Head, Dept. of EEE, Dr Rajasekaran S Professor & Head, ECE and Dr. R. Saravana Kumar, Coordinator, MITS-IETE students Forum (ISF), Asst. Prof./EEE, MITS, participated in the inaugural function. Dr. A V Pavan Kumar welcomed the resource person and addressed the importance of the training program, and gave a brief introduction to this technical workshop. Dr.P. Ramanathan inaugurated the program with his motivational speech and handed over the session to the resource person.

The 111 students from the third year EEE and ECE along with faculty members from the Department of EEE and ECE have participated in this technical workshop.

Training Sessions Overview

Day 1 (09.04.2025): Fundamental about Embedded Systems Technologies

Day 2 (10.04.2025): Real Time Implementation Conducted by the Faculty

Day 3 (11.04.2025): Real Time Implementation Conducted by the Students


Date 09.04.2025-11.04.2025
MCoreta
GPS Map Camera
Angallu, Andhra Pradesh, India
Jfhh+vp2, Angallu, Andhra Pradesh 517352, India
Lat 13.629808° Long 78.478937°
09/04/2025 10:10 AM GMT +05:30
Google


GPS Map Camera
Angallu, Andhra Pradesh, India
Jfhh+vp2, Angallu, Andhra Pradesh 517352, India
Lat 13.629808° Long 78.478937°
09/04/2025 10:09 AM GMT +05:30
Google


www.mits.ac.in
GPS Map Camera
Angallu, Andhra Pradesh, India
1-78, Angallu, Andhra Pradesh 517326, India
Lat 13.63035° Long 78.479154°
11/04/25 10:20 AM GMT +05:30
Google


GPS Map Camera
Angallu, Andhra Pradesh, India
1-78, Angallu, Andhra Pradesh 517326, India
Lat 13.630349° Long 78.479194°
11/04/25 10:24 AM GMT +05:30
Google

The valedictory session of the Three-days workshop on **Automated Water Level Detection Using ARM cortex Micro Controller** was graced by the esteemed presence of Dr. A V Pava Kumar, Head of the Department of Electrical and Electronics Engineering (HoD/EEE), who delivered the closing remarks and highlighted the importance of embedded systems in modern technological advancements. All the resource person shared their valuable insights on the growing relevance of embedded systems in academia and industry. Their

encouragement and support provided immense motivation to the participants, and their remarks helped bring the workshop to a fitting conclusion. The session was a reminder of the significance of continuous learning and innovation in the field of embedded systems.

Overall Outcomes: -

- The Internet of Things (IoT) revolution is driving the demand for more sophisticated embedded systems. These systems enable smart devices to communicate, process data, and perform tasks autonomously, leading to smarter homes, cities, and industries.

- Integrating artificial intelligence (AI) and machine learning (ML) with embedded systems is opening new avenues for innovation. AI-powered embedded systems can learn from data, adapt to changing conditions, and make intelligent decisions, enhancing their functionality and efficiency.

- As embedded systems become more pervasive, ensuring their security is paramount. Advances in encryption, authentication, and secure boot mechanisms are critical in protecting embedded systems from cyber threats.

As an event coordinator, I expressed my gratitude to the Management and **Dr. C Yuvaraj,** Principal, for giving permission and financial support to organize this program. I thank **Dr. P. Ramanathan**, Professor & Vice Principal- Academics, for providing the necessary needs in time and for his support. I thank **Dr. A V Pava Kumar**, Professor & Head of the Department of Electrical and Electronics Engineering (HoD/EEE), and **Dr.S Rajasekaran**, Professor & Head of the Department of Electronics and Communication Engineering (HoD/ECE), for his continued guidance in all the parameters. I take this opportunity to thank the entire **EEE and ECE faculty Members**, **Teaching, Non-Teaching staff**, and **students** for their involvement, support, and participation in this event.