

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

WORKSHOP REPORT

Title : A two-day workshop on “ROBOTICS WORKSHOP: BUILD, PROGRAM & INNOVATE!”
Organised by : Department of Electronics & Communication Engineering
Resource Person : Mr. L Mohan Sai
Designation : CEO, MS Project Tech. Solutions, Gudivada
Venue : VI-305 (VLSI Lab)
Date : 11 & 12th Sep, 2025
Time : 9:30 AM – 4:30 PM
Conducted for : II ECE Students
No. of Participants : 60

1. Report in brief by Organizer / Coordinator / Convener

The Department of Electrical and Communication Engineering (ECE) conducted a workshop on the topic "ROBOTIC WORKSHOP: BUILD, PROGRAM, INNOVATE." The Workshop occurred in the ECE Department from September 11th & 12th, 2025. Mr. L. Mohan Sai exhibited an extensive hands-on expertise in the advanced fabrication of Arduino boards using the AT mega 328 microcontroller. The objective of this event is to provide practical experience with ATMEGA 328 boards and their efficacy in improving robotics. This session is essential for developing a career in embedded systems.

The Resource person demonstrated the following Modules with various examples

- INTRODUCTION TO ROBOTICS
- ARCHITECTURE IN ROBOTICS
- MOTOR DRIVES
- ATMEGA328 MICROCONTROLLER
- SENSORS EXPLANATIONS
- PCB ASSEMBLY PROCESS
- BLUETOOTH CONTROLLING ROBO
- LINE FOLLOWING ROBO
- AGRICULTURE ROBO
- FLAME FIGHTING ROBO
- OBSTACLE AVOIDING ROBO
- WIFI CONTROLLING ROBO

2. Profile of the Guest

Dedicated and skilled engineering graduate with a solid foundation in programming and project management, seeking to leverage my expertise as a Trainee Engineer and contribute to innovative projects. Collaborated on real-time projects, enhancing technical skills in engineering applications. Instructed students for 2 years, focusing on engineering principles and practical applications. Programming Languages: C, Embedded C, Micro Python, Microcontroller Programming, IoT & PCB Designing, Digital Signal Processing, Kernel Designing, Android Application Development, Front-End Frameworks.

3. Few Glimpses of the Technical Event:

Approved by AICTE, New Delhi
 Potentially Affiliated to JNTUK
 Recognized by UGC (27) & (2)(B)
 Accredited by NAAC A++ &
 NBA (UG - CE, EEE, ME, ECE & CSE)
 ISO 9001:2015 Certified
 104/16 Bypass Road, Uthra-034007, A.P.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

“ROBOTIC WORKSHOP: BUILD, PROGRAM, INNOVATE!”

In Association with Chip Electronics

**On: 11 & 12th
Sept 2025**

Student Coordinators
 V.Hasani-24ME1A04C7
 K.Yoshitha-24ME1A0428
 Y.Prasanna-24ME1A0464
 K.Gowtham-24ME1A0433

ELECTRONICS | CABLES | TOOLS

Resource Person

Mohan Sai

M.S Project Tech Solutions

Co - ordinators

Mr.G. Sandeep, Assistant Professor
 Dr. B.S.C.Avinash, Associate Professor
 Mrs.P. Bhuvana Sri, Assistant Professor

Venue : VLSI DESIGN LAB
VI-305

Poster of the Event





Closing Statements by Principal

4. Feedback from Participants

The Second-year students of the Electronics and Communication Engineering (ECE) at RCE were happy to participate in the workshop sponsored by the ECE Department at RCE. This training was very beneficial and instructive for candidates pursuing embedded core roles, as it promoted their professional development. Moreover, it improved our understanding of the significance of the AT mega 328 Microcontroller. This course is particularly advantageous for students seeking to begin their careers in the Embedded Domain. The students like to express their sincere gratitude to the coordinator, Head of the Department of ECE, the Principal, and the Management of RCE for providing them with the opportunity to participate in this excellent workshop.

..... 23ME1A04C7

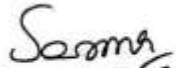
5. Remarks from Resource Persons:

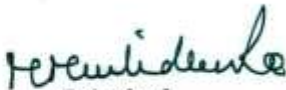
Attending a workshop hosted by RCE's Department of ECE is a pleasure for me. It is remarkable how well the students are in tune and how engaged they are. A lot of the students' responses are solid. I am grateful to the RCE HOD-ECE, Principal, and Management for the chance to plan this outstanding event, and I hope that we have more opportunities like this in the future.

..... Mr L. Mohan sai


Coordinator


HoD


Dean- Academics


Principal