

WORKSHOP REPORT

Title: ROBO FORGE
Organized by: Department of Electronics & Communication Engineering
Guest: Mr. L. MOHNA SAI
Designation: CEO of M.S. Project Tech Solution.
GUDIVADA.
Venue: VIDRA Block -305
Date: 22nd to 24th September 2025
Time: 9:15 AM to 5:00 PM
Conducted for: 3rd year Students
No. of participants: 51

1. Report in brief by Organizer / Coordinator / Convener

The Department of Electronics and Communication Engineering (ECE) conducted a workshop on the topic "ROBO FORGE." The Workshop occurred in the ECE Department from September 22nd to 24th, 2025. Mr. L. Mohana Sai exhibited an extensive hands-on expertise in the advanced fabrication of Arduino boards using the ATmega 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 3 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.

RAMACHANDRA
AUTONOMOUS
COLLEGE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

A Three Days Workshop on "Robo Forge"

In Association With
Brain O Vision Solutions Pvt Ltd

Resource Person
Mohan Sai,
M.S Project Tech Solutions

Student Co-ordinators:

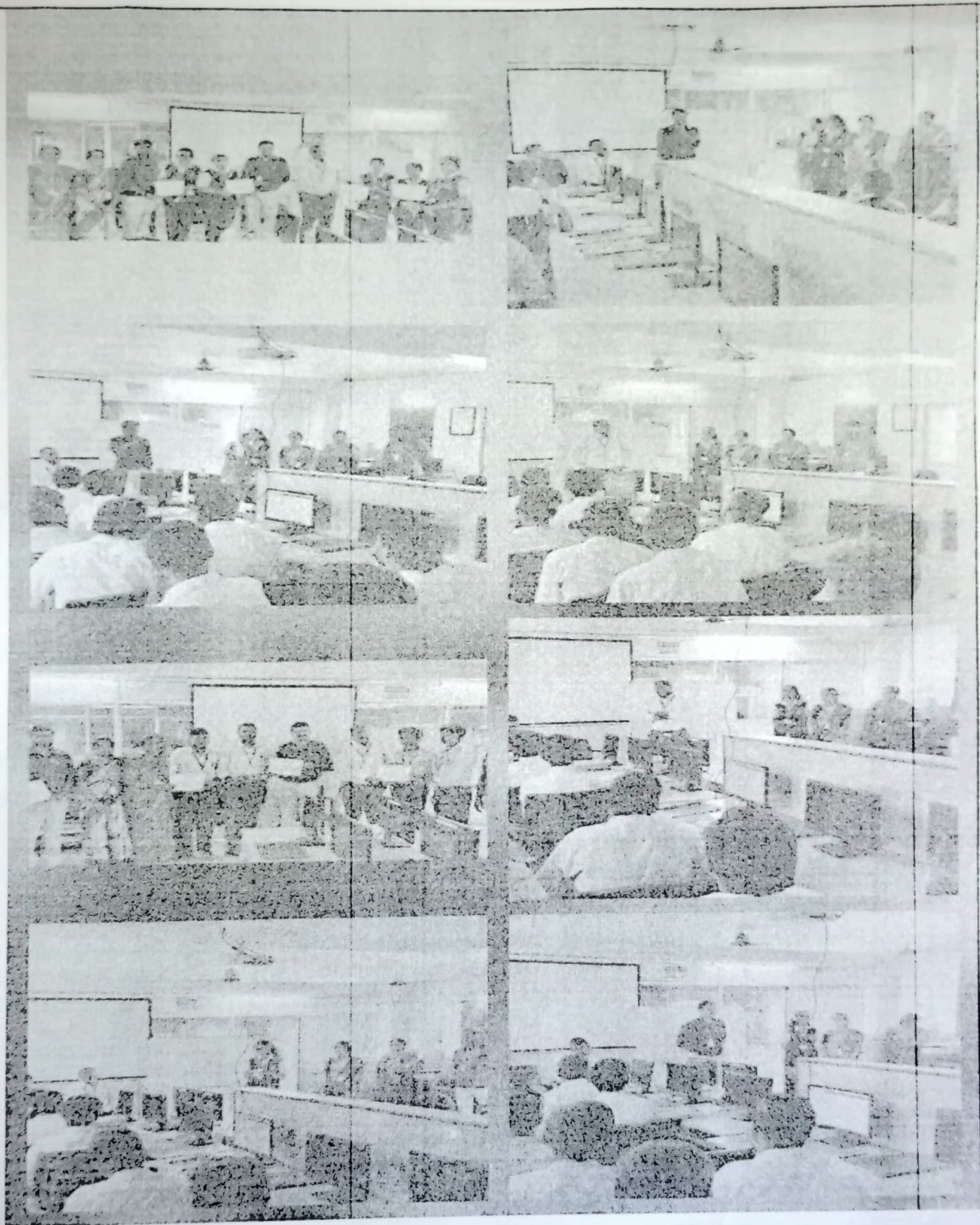
1. G. Karthik, 23ME1A0440
2. P. Rohith, 23ME1A0449
3. B. Jahnavi, 23ME1A0447
4. P. Vijaya kumari, 23ME1A0442

Co-ordinators:

Mrs. Dr. Lakshmi, Assistant Professor

Mrs. D. Saranatha, Assistant Professor

★ Venue: VLSI Design Lab , VI -305



4. Feedback from Participants

The Third -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 ATmega 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.

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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

Ch. Lakshmi
Coordinator

P. S. S.
HOD

S. S. S.
Dean- Academics

V. Venkatesh
Principal