



ADHI
COLLEGE OF ENGINEERING & TECHNOLOGY

WORKSHOP REPORT

Title of workshop: EMBEDDED SYSTEM (ARDUINO / ARM - CORTEX M3)

Workshop facilitator: ACTIVE GALAXY CHENNAI

Workshop presenters:

- 1) **Mr. GOPALAKRISHNAN SUBRAMANIAM,**
SENIOR EMBEDDED DEVELOPER, ACTIVE GALAXY-Chennai.

Workshop Organizer: Mr. D. RAJI / Assistant professor / EEE, ACET.

Number of persons attending: 50

Date: 08.02.2018 & 09.02.2018

Objectives of workshop:

- Current status and nature of private and government sector strategies and goals for programming by using Embedded.
- They were explained about the introduction about the Arduino / Arm – Cortex and the industrial requirements of Embedded.
- The Students were learned the experimental setup of software and hands on training.

Learning of Motor interface with simulation.

Experiment 1 : DC motor control DC motor ON/OFF

Experiment 2 : DC motor direction control DC motor forward DC motor Reverse

Experiment 3 : DC motor speed control PWM pulse generation Duct cycle calculation DC motor speed control

Experiment 4 :Buzzer control Digital Buzzer ON/OFF

Experiment 5 : Test task Combination of DC motor and stepp

Workshop highlights:

- Open Source Platform
- Easy to learn
- Easy to Debug
- Interfacing I/O devices and Peripherals
- Enhance your Knowledge through various Live Projects

Day 1(1st session): **Introduction About Embedded System**



Day 1(2nd Session): **Recent development by Embedded**



Day 2 (1st & 2nd session): **Hands on Training**

