

Mechanical Department

21st to 23rd August 2019



SMT. S. R. PATEL ENGINEERING COLLEGE

# Three Days Training Program Report

## Three days Training Program on

## “Arduino Based Automation in Thermal, Production and Automobile Fields”

### Objectives:

The main objective of this workshop is to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the Arduino Automation & latest technologies being used to

achieve industrial automation.

Introduction & Application of Arduino Uno, Nano & Mega, NodeMCU, Raspberry Pi

Arduino IDE and NodeMCU

Advance Arduino Programming Concept

GPIO Programming

Device control using android app

Hands on Session : LED, Switches, Keypad,

DC & Stepper motor,

LCD, RFID, GSM Module, IR Sensor,

Remote Control,

Bluetooth devices,

Motion, Touch,

Temperature,

Finger Print Sensor,

Multiplexing of seven segment, dot matrix display, RTC, LDR, Relay Interfacing



### Expert:

**Prof. Harshadkumar Patel**

### Workshop co-ordinator:

Prof. H. C. Patel & Prof. S. S. Patel  
Mechanical Department, SRPEC.



Feed back from Participants	Out of 10 (Average)
(a) Knowledge about PLC based automation	9.9
(b) Practical Experience	9.6
(c) Duration	9.9
(d) Expert Knowledge and Experience	9.7
(e) Hardware and software	9.9

### Workshop Participants:

Workshop was organized for students of Engineering. There were 28 student Participants.