# Gokaraju Rangaraju Institute of Engineering and Technology
## (Autonomous)

## Report of the Event

**Title of the Event:** **Two-Days Training program on "Introduction to Arduino"**

**Organized Date**: 22$^{nd}$ September 2017 to 23$^{rd}$ September 2017

**Summary:**

Using this Course students has got the knowledge on:

- Describing the hardware layout of a Microcontroller and the differences between microcontroller and microprocessor.
- Programming of Microcontroller AT328P used in Arduino UNO.
- Describe and write program to perform digital input / output control to devices, such as switches, sensor, LEDs, 7-segment displays, LCDs, etc
- Understand the use of various control structures to perform different control tasks
- Understand serial communication and write program to control subsystem via the serial interface
- Describe and manipulate analog input and output using Arduino UNO.
- Understand PWM and program the microcontroller to generate PWM signal to control device such as motor or light.