

Department of Humanities and Sciences

Date	: 29 th Oct to 31 st Oct 2018
Venue	: CP lab, GPCET
Time	: 8:30 AM to 3:00 PM
Name of the Activity	: Arduino with Scratch workshop.
Target Group	: First year Engineering students.
Convener	: Prof. G. Sashi kumar, HoD, Dept of H&S, GPCET.
Resource Persons	: Mr. Uppala Sumanth & Macharla Ummamaheswar rao

Summary:

Andhra Pradesh State Skill Development Corporation (APSSDC) was set-up nurturing the vision for 'Skilled Andhra Pradesh'. The mission of APSSDC is to deliver a structured, sustainable & scalable framework to impart state of the art skills to the young educated workforce across the state. It aims at enhancing and improving the overall employability of workforce that can be deployed in emerging industries across the nation.

Objectives:

- Bridge the gap between the current competency and the required skills that are deemed core expertise by the industries.
- Provide sustainable learning opportunities that can lead to potential employment.
- Build a pool of skilled resources that can be deployed for hiring.
- Connect with leading corporate to enable enhanced hiring from campus

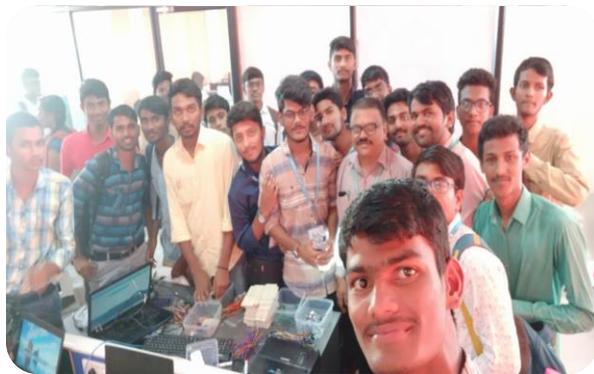
Here, **G. Pullaiah College of Engineering & Technology (Autonomous)** Kurnool would like to motivate the Freshman Engineering students towards the digital and analog of computers by "**Arduino Scratch workshop**".

Arduino is an open source electronics prototyping platform:

The Arduino board is like a small computer that can be programmed as many times as needed. As a computer, it provides I/O interaction, through digital (input and output) and analog input pins.

- **Digital:** Discrete and finite, described in two states: 1/0, ON/OFF.
- **Analog:** Continuous, can have infinite number of values. The sketch made with the Arduino IDE is loaded to the board and stored in the microcontroller.

In this workshop **sixty** first year students actively participated. They learned so many things practical related to digital analogs through this workshop. The workshop provides a fantastic first step into the development industry without the need to dive head first into often confusing and complex programming languages. During this workshop, the participants will be combining an Arduino Uno kit and several other electronic components, with the popular “Scratch” interface. In the future we are willing to organise these kinds of workshops to enlighten the student’s toward the technical skills. The Program concluded with Vote of Thanks.



Convenor