



**GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

CSE DEPARTMENT

REPORT ON OUTREACH ACTIVITY

Name of the activity: Introduction to arduino
controller one day work-shop

Place: ZPHS Nizampet

Date: 03-08-2019

Co-ordinator
G. Mallikarjuna Rao
Professor CSE Department

REPORT:

As a part of outreach activity CSE department identified the need to encourage and enlighten the government school children about the microcontroller technology and how it is used to control interfaces that they see in daily life. In this regard Zilla Parishad High Scholl (ZPHS) Nizampet expressed interest to have training to their 9th class students.

The workshop was conducted in our GRIET premises on 3rd AUGEST 2019. Two teachers and 52 students attended this program. Dr. K. Madhavi , HOD CSE addressed the students. Prof. G. Mallikarjuna rao on behalf of the CSE department given zest of the program and introduced the faculty members who will train the students.

Faculty Team, S. Bhargavi Latha , B. S Anil Kumar, K. Sowmypriya, K. Adilakshmi, Ms Md. Nasreen, V. Sreenivas and G. Mallikarjuna Rao engaged 52 students and ensure their active participation. Students very happy and expressed their satisfaction through the feedback.



GRIET Team with Students of ZHPS Aug 3,2019



GRIET Team with Students and School Teachers

Broacher:

Introduction to ARDUINO Workshop
Department of CSE



Gokaraju Rangaraju Institute of Engineering
and Technology (Autonomous)
Hyderabad-500 090.

GRIET

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is a premier autonomous Institute committed to imparting quality engineering education. The CSE Department at GRIET makes continuous efforts to teach real engineering by focusing on hands-on practice in designing, developing and demonstrating projects and products in new and emerging technologies.



DATE: AUG 3ST 2019

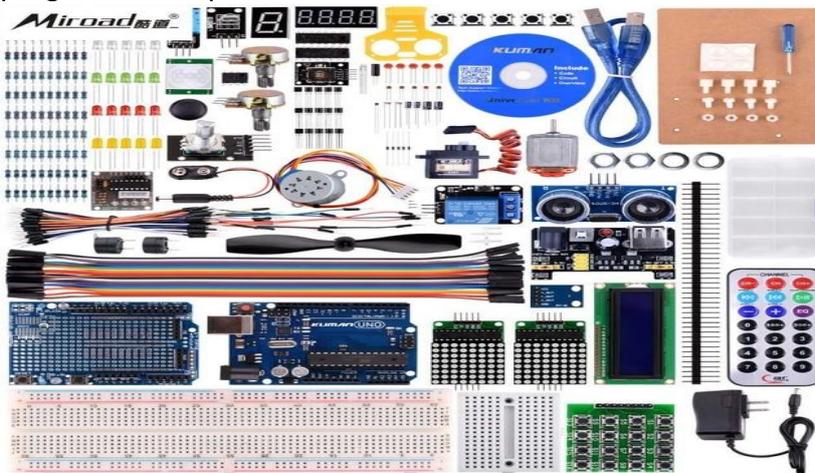
Out Reach Program Activity:

WHAT IS ARDUINO

Arduino is an open-source electronic prototyping platform which is based on easy to use Hardware and Software.

This platform is quite popular as many people started developing real world applications.

Arduino can interact with buttons, LED's, motors, Speakers, GPS units and Smartphone's. Arduino IDE uses simplified version of C++. Thus allowing easy learning for program development.



Course Content

TIME: 10:00AM To 01:30 PM

10.00A.M-10:20A.M -- Basis Arduino Workshop.

10.20A.M-11:00A.M – Hands on training (LED's, patterns of LED's).

11:00A.M-11:30A.M – Buzzer, Switch interfacing

11:30A.M-11:45A.M— Snacks break

11:45A.M- 12:45P.M – Soil Moisture sensor interfacing

12:45P.M-1:00P.M --- LCD Display

01:00P.M-1:15P.M- Conclusion of workshop