



POORNIMA

GROUP OF INSTITUTIONS

DEPARTMENT OF COMPUTER ENGINEERING

Date: Jan12th, 2018

NOTICE

This is to inform that Department of Computer Engineering is organizing an "ISTE SPONSORED AWARENESS SESSION ON ARDUINO" for 2nd year students. This workshop will provide knowledge and experience of Arduino. Arduino is a microcontroller that allows you to create embedded system and hardware designing .Arduino is open source electronic prototyping platform enabling users to create interactive electronic object .The various features of Arduino:

- It is a single board microcontroller.
- It comes in different sizes according to use.
- Light weighted.
- Easy to use.

The workshop involves real time interaction and we will be covering “Basics of Arduino and Embedded System”.

OUTPUT:

1. Create Arduino programs.
2. Introduction to latest technology.
3. Needs of Market.
4. Arduino project ideas.
5. Helpful for Summer internship

This training is applicable for second year students of computer engineering branch.

Venue: ACG-8(Audio-Visual Room)

Date: -Jan 15th, 2018

Time: -2:00 pm - 4:00 pm

Coordinator

Mr. Chandan Kr. Dubey

Department of Computer Engineering

HOD

Mr. Manish Bhardwaj

Department of Computer Engineering

ABOUT THE COLLEGE

PGI has established itself as an excellent destination for technical education and preferred center for learning. PGI is providing an environment that stimulates and develops the ability of every student to his highest potential. This campus is dedicated to Core Engineering runs four specializations of engineering (CE, ECE, ME & Civil) at UG level.

HIGHLIGHTS

- Pioneer to have Civil Engineering in PGC.
- Architecturally designed building and fascinating landscape.
- National Service Scheme for students.
- Entrepreneurship Development Cell for motivating students.
- Organized Entrepreneurship Awareness workshop by E-Cell, MNIT.
- Live Project Demonstrations like Hulk, T-8 Strom etc. on Jaipur Roads

ABOUT THE DEPARTMENT

The Department of Computer Engineering has an organizational structure that can respond dynamically to the evolution in IT and ICT, and its research fields are closely related. Also, the department of Computer Engineering is unique in that it conducts a wide range of real time projects from very junior classes and motivate students to learn from basics and applied cross-disciplinary research as well. The department has following vision :

*“To establish as a department of **quality education and innovative ideas** that prepares professionals who serve as a valuable resource for industry and bring social development with rapid adoption to new technologies.”*

CHIEF PATRON

Dr. S.M. Seth
Chairman (Emeritus)

PATRON

Mr. Shashikant Singhi
Chairman, PF

Mr. Pankaj Dhemia
Director, PGI

PROGRAM CHAIR

Mr. Manish Bhardwaj
HOD CE., PGI

Coordinators

Mr. Chandan Kumar Dubey
Asst. Prof., CE, PGI

Student Co-ordinators

Satish Saini, Deepak Asnani, Kritika Agarwal

Venue

ACG 13B(High-tech Lab)



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The written word is the greatest sacred documentation.”

– Lailah Gifty Akita

Workshop on ARDUINO AN IMPORTANT TOOL FOR DESIGNING EMBEDDED SYSTEM

15 & 22 January 2018



In Association With



Organized By

Department of Computer Engineering



POORNIMA
GROUP OF INSTITUTIONS

Affiliated to Rajasthan Technical University, Kota
Approved by AICTE, New Delhi

ABOUT THE WORKSHOP

Two days workshop on “Training on Arduino” has the aim to provide knowledge and experience to the students on the aspects of Arduino. The session will give project idea and market knowledge of Arduino. Students will develop a disciplined engineering approach and sound practical skills in using the Arduino. The workshop has relevance to current trends in market.

Trainer:-
Mr.Chandan Kumar Dubey
(Asst. Porfessor ,PGI)

ELI GLIBILITY

IIIrd Year students of CSE branch.

PREREQUISITE

- Basic knowledge of microcontroller
- Knowledge of Embedded system

HOW TO APPLY

Students should register through Google form.

INFORMATION OF SELECTION

List of selected students will be emailed.

WORKSHOP VENUE

ACG 13B(High-tech Lab)

TOPICS TO BE DISCUSSED

DAY 1 (15th January,2018)

- Introduction to Microcontroller_& Arduino
- Introduction to Embedded System
- Programming in Arduino
- Turning ON & OFF LED light
- Basics of motor & working of motor in Arduino
- Autonomous robot logic
- Introduction to sensors

DAY 2 (22 January,2018)

- Hands-on Practice session on Arduino
- Controlling Arduino with laptop
- Project Ideas

SCHEDULE OF THE WORKSHOP

DATE	TIME
15th January 2018	2.00 PM to 4.00 PM
22nd January 2018	2.00 PM to 4.00 PM

OBJECTIVE OF WORKSHOP

To expose the student in emerging technologies in the areas of Embedded System Designing. Participants will develop a basic understanding of how to make a project or how to work with Arduino.

This workshop introduces fundamental concept of designing various application oriented projects using Arduino board

The Arduino project aims to provide a low-cost and easy way for novices and professionals to create devices that interact with their environment using sensors and actuators.

The workshop involves real time interaction and we will be covering following outcomes

Create Arduino programs
Introduction to latest technology
Needs of Market
Arduino project ideas
Helpful for Summer internship

