ARDUINO HACKATHON

Coordinator: S. Sai Teja

Robotics and Intelligent Systems Club, the Robotics Society of *IIT Bhubaneswar* is organizing this as the part of the Innovation Challenge'19. This event would be testing the students' coding skills on the arduino platform.

INTRODUCTION

Be prepared for the unexpected. It is an Arduino based Extempore Hardware Programming event in which you will be provided with a task for which you have to program according to the situation. Do you like surprises?

RULES AND REGULATION

- Maximum number of participants allowed is 3 per team.
- Submissions after the deadline will not be accepted.
- Decision of coordinator will be final and binding under all circumstances.
- All the participants coming must bring their laptops with Arduino IDE, Proteus/ Eagle CAD installed.

TASKS

The participating teams are required to code as stated in problem statement which will be released at the time when the event starts. No internet access will be allowed. Teams are supposed to have required basic sensor and motor driver packages installed with their softwares. If needed will be given a limited amount of time to download them. Judging Parameters in detail will be released with the release of Problem Statement.

PREREQUISITE KNOWLEDGE

- Arduino Programming.
- PCB design platform(eg. Eagle CAD, Proteus etc)
- Sensors like IR,Ultrasound etc.

JUDGING PARAMETERS

- Design is expected to use least resources without compromising accuracy.
- The solution and efficiency of the code will also be taken as parameters in awarding scores.
- Simulating using any platform will be rewarded with bonus score.