

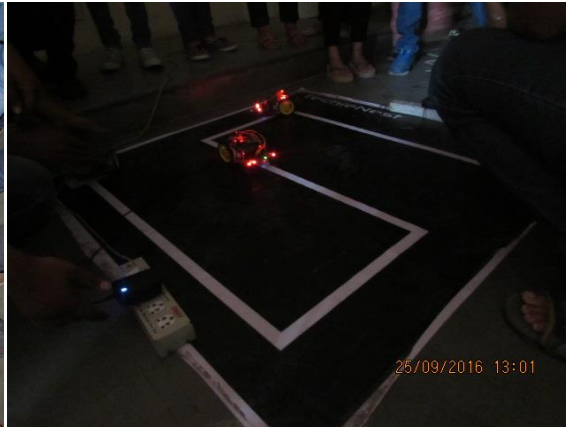
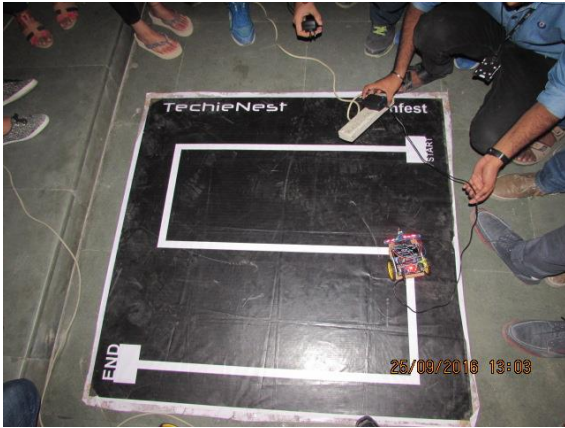
## Inderprastha Engineering College Ghaziabad e-Yantra Robotics Club

### *Report on TechnoRion (MeshFlare) Workshop in association with TechFest 2016, IIT Bombay*

In order to induce interest of students in robotics and to encourage them to participate in various inter college robotics competitions, e-Yantra Robotics club in association with TechieNest Pvt Ltd Jaipur and TechFest 2016 IIT Bombay organized a two days workshop on robotics and a zonal level competition at Inderprastha Engineering College Ghaziabad on 24 and 25 Sep 2016. Around 50 teams from ECE, EN, IT, CSE and ME, were registered for workshop and out of which 27 were shortlisted on first come first serve basis. There were five participants in each team.

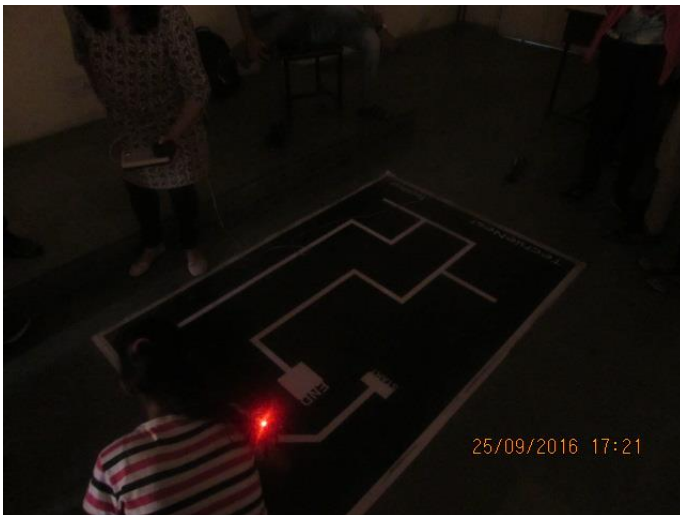


In the first session of day one, professional trainers (Mr. Aayush Singhal and Mr. Diwakar Pal) from TechieNest covered theoretical and practical aspects of robotics, architecture, interfacing of various peripherals like LED, Motor and IR sensor. The 2nd session of the day dealt with the basics of a microcontroller. The focus was on the AVR series micro controller, ATmega16, which is one of the most powerful and widely used 8 bit micro controllers. On day two, the morning session was on the development of obstacle avoider Robot. The next session was about the development of a Line Following Robot on Robokit and Students also learned about MAZE solving concepts and various guidelines about robotics competition (MeshFlare) to be held during TechFest 2016 at IIT Bombay.



In the last session, the trainers organized a competition to develop autonomous robot which can follow a white line and keep track of directions while going through the maze. The winners (the first three groups) of this zonal level competition will be participating in final round of MeshFlare robotics competition in tech Fest that will be held at IIT Bombay in December 2016.

Remaining teams were trained to compete for zonal round at any zonal centre (Bhubaneswar, Hyderabad, Bhopal, Jaipur and Mumbai).



## **Winning Teams:**



### **Position 1:**

Jasnidh Kaur	IT	3rd
Nidhi Agarwal	IT	3rd
Swagatika	CS	3rd
Kirti	CS	3rd
Shobhit Singh	CSE	3rd

### **Position 2:**

Saksham Srivastava	ECE	3rd
Ashwani Yadav	ECE	3rd
Saksham Tanwar	ECE	3rd
Piyush Mishra	ECE	3rd
Rishali Gupta	ECE	3rd
Rishabh Vasishtha	ECE	3rd

### **Position 3:**

Satya Prakash dubey	ECE	3rd
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Aishwarya Mishra	ECE	3rd
Pulkit Chauhan	ECE	3rd
Puja Bhatt	ECE	3rd
Amit Kr Srivastava	ECE	3rd
Ravi Prakash	ECE	3rd

Motive of this workshop was to make student familiar with multiple sensors which they can interface with robots and realize various applications.