

Inderprastha Engineering College Ghaziabad

e- Yantra Robotics Club

First Lecture Series of “Course on Robotics”

e- Yantra club conducted its first lecture series of “**Course on Robotics**” on 3rd and 4th Feb’2017. It started with the speech given by Dr. B.C Sharma, Director IPEC, followed by Dr. Pooja Tripathi, HOD (IT) and Dr. Rekha Kashyap, HOD (CSE). They inspired everyone to enhance more and more with innovative ideas, briefed about objective and scope for this course and also appreciated this peer to peer learning course.

OBJECTIVE:

This course is designed to keep in mind that it is ‘for students and by the students’. The main goal of this first lecture series was to provide knowledge about Robotics, Embedded system and programming concept for Robotics.

PARTICIPANTS:

About 65 students from all branches of B.Tech attended this lecture series, in which 45 students were from 1st year and rest 20 students were from 2nd year.

CONTENTS:

The course was designed for 2 days covering a range of topics towards:

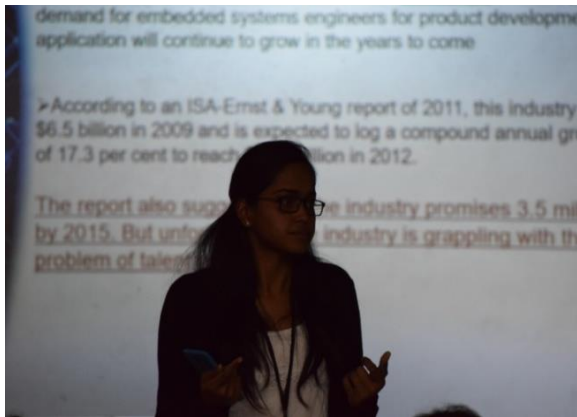
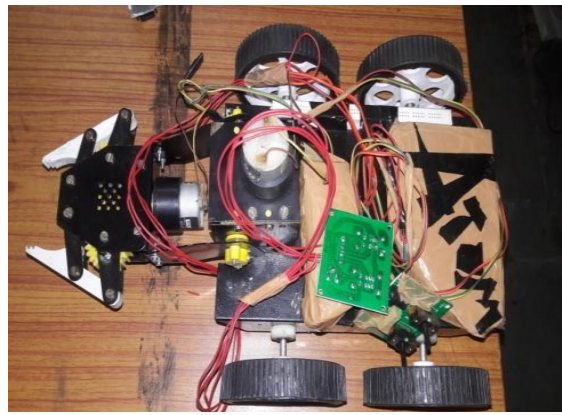
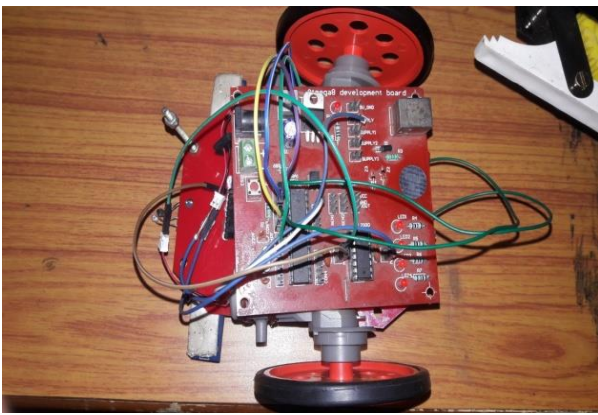
Day 1 Topics (3:00-5:00pm)

- Introduction to Robotics
- Introduction to Embedded System
- Introduction to Firebird V
- Display of White Line Sensor Robot
- Display of obstacle avoider Robot

Day 2 Topics: (9:30-4:30pm)

- Programming Concept of C Language
- Introduction to Microcontroller and Microprocessor
- Introduction to Arduino Uno, Arduino Mega
- Program writing for LED on/off on Arduino
- Hands on practice on Arduino
- Q/A session

IMAGE GALLERY:



CONCLUSION:

Lecture series ended with **Chocolate round** in which different questions were asked from students related to topics covered in lecture series.
Second Lecture Series will entertain hands- on experience with Robots.