

e-Yantra Lab



e- Yantra is an initiative to spread education in embedded systems and Robotics by IIT Bombay sponsored by Ministry of Human Resource Development through the National Mission on Education through ICT (NMEICT). This project was conceptualized by Prof. Kavi Arya and Prof. Krithi Ramamritham of the Department of Computer Science and Engineering at IIT Bombay.

Under this project e-Yantra Lab has been setup at Inderprastha Engineering College, Ghaziabad. The objective of this Lab is to provide hands-on learning/training about robotics modules. The prime goal of this endeavor is to create the next generation of (Embedded systems) engineers in India with a practical outlook to take on challenging problems and come up with solutions. This lab also provides a platform for training of students both in theory and applications of different Robotics modules. It also enables teaching of Robotics and Embedded systems in an effective manner.

Upcoming Events:

- e- Yantra club has planned a “Course on Robotics” with the series of lectures. The course objective is to introduce Robotics and implementation of Robotics in real life. The proposed dates are:
 - ❖ First lecture series: 3rd and 4th Feb’2017
 - ❖ Second lecture series : 24th and 25th Feb’2017
 - ❖ Third lecture series: 24th and 25th March’2017
 - ❖ Fourth lecture series: 7th and 8th April’2017
 - ❖ Fifth lecture series: 21st and 22nd April’2017

Completed Events:

- First lecture series was organized on 3rd and 4th Feb’2017. 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.
- e- Yantra Idea competition was held in college on 19th Jan 2016. Four teams were selected to nominate their names for eYIC-2017 Idea competition. Two Ideas have been selected for second round of eYIC-2017 Idea competition. Selected Ideas are:

Idea Title: Soon BOT**Mentor Name: Dr. Pooja Tripathi**

- Rishabh Aggrawal IT 3rd yr
- Prateek Jain CS 3rd yr.
- Sourabh Arora EC 1st yr.
- Vishwas Malik ME 1st yr.

Idea Title: Sound Fire Extinguisher**Mentor Name: Ms. Bindu rani**

- Aditi Duggal IT 2nd yr
- Aman Narwal IT 2nd yr.
- Sarthak sharma EC 1st yr.
- Mansi Gupta EC 1st yr.

- 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 on 24 and 25 Sep 2016.
- e- Yantra Robotics lab was inaugurated and project exhibition was organized at Inderprastha Engineering College on 7th september'2016.
- A Robotics Workshop was organized on 8th March'2016 for 2nd and 3rd year students for all branches of B.Tech.
- A Robotic competition was held on 31 October' 2015 to encourage students in the field of Robotics.