INSTITUTE OF ENGINEERING AND TECHNOLOGY, LUCKNOW

An Autonomous Constituent Institute of Dr.APJ Abdul Kalam Technical University, U.P., Lucknow

ROBOTICS CLUB

INAUGRATION

ROLE OF ROBOTICS CLUB

To provide students a platform to showcase their talent equipped with technical and leadership skills by organizing various events.

To make students aware of the current technical demand in industries related to automation and embedded robotics and will try its best in future to provide internships through the club.

To make participation in various events organized annually by various institutes and organizations.

To organize workshops and lectures for people to learn more about robotics.

To provide facilities to interested students for practicing amateur research in the field of robotics (in sensors, IoT, etc.)

INAUGRATION

The Robotics Lab was established with an objective to impart practical knowledge and technical skills regarding the field of robotics without emptying the pockets of young aspiring minds of IET, and to provide them with an apt work space to explore the field of robotics. This initiative took by the Robotics club was highly appreciated by the students as well as the faculty. The club hit another milestone when our respected HOD, Electronics and Communication Engineering department, Dr. Subodh Wairya inaugurated the lab along with other faculty members on the occasion of Teachers Day on September 5,2019.

Inauguration moments

Dr. Subodh Wariya sir inaugurating lab with Mr. Ashok Kumar sharma sir and Er. Saurabh Kumar jha sir

Dr. Surya P Tripathi,
Professor, Dean Student Welfare
At the inauguration ceremony

Dr. RCS Chauhan sir with Er. Saurabh Kumar jha sir at the Robotics lab

Er. Saurabh Kumar Jha sir with Dr. S R P Sinha sir at robotics lab during inauguration ceremony

Inauguration moments

Dr. Subodh Wariya sir giving a speech on the occasion of Teacher's day

Mr. Ashok Kumar Sharma sir with 3rd year members of robotics club

2nd year club members at the inauguration ceremony

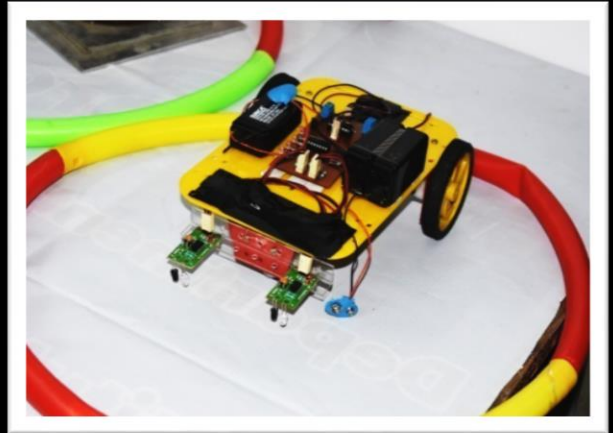Some of the projects exhibited by the robotics club during the inauguration ceremony

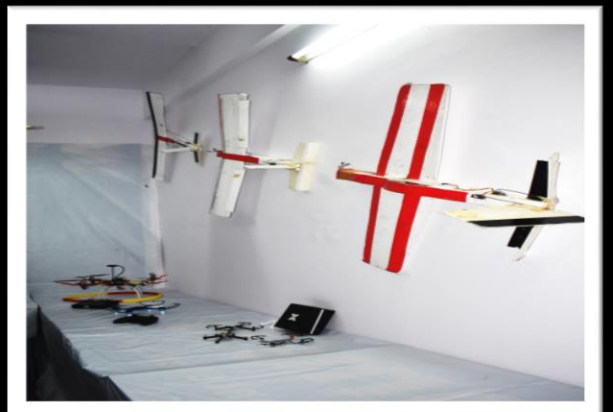# Some glimpse of Robotics lab

Micro Drone

Autonomous Line following robot

Aeromodelling - Drones

Aeromodelling - Planes
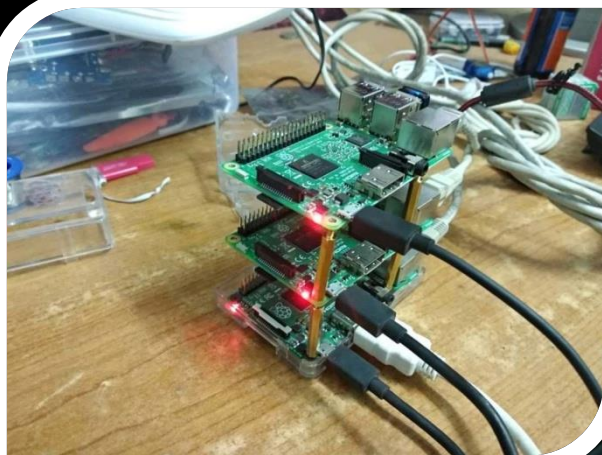
COMPLETED PROJECTS

Two Drones. One enabled with auto-stabilisation mode using Pixhawk flight controller and other is Pluto X Nano Drone for indoor environment

Raspberry Pi based bot for image processing and facial recognition and identification features

Raspberry Pi cluster based parallel processing technique similar to functionality used in supercomputer

E-Yantra:

This time total 20 teams under 5 themes from our college participated in E-yantra out of which 7teams qualified for the 2nd round and further 2 of them became the finalists.

Finalists of EYRC 2019:

Theme : **Hungry Bird**
Team Leader: Shruti Joshi – ECE 3RD

Theme : **Mocking Bot**
Team Leader: Shreya Gupta – EI 3RD

Smart India Hackathon:

This year students of ECE third year of our college backed first position in the Software Edition.
Team Leader: Harsh Jain- ECE 3RD

Techkriti:

The participation in Techkriti has significantly improved.
4 teams from second year and 12 teams from first year participated in Techkriti 2k19. Out of which many cleared the first stages in their respective competitions.
Team: Error 404
Team leader: Koustubh Jaiswal: EE 2nd
Team: DHANUSH
Team Leader : Shrikrishan Baghel :ECE-2nd

Robowars:

IIT Patna – **1st** position in 10kg cat.
IIT BHU - **1st** position in 60kg cat.
Meerut Institute of Engineering and Technology - **3rd** position in 30kg cat.
Team: Shubham Singh (ECE 2ND), Vikas Kumar (ECE 2ND), Yogesh Yadav (EE 3RD)