

ARMY INSTITUTE OF TECHNOLOGY

CENTER OF EXCELLENCE FOR AI AND ROBOTICS

VISION: To become a leading learning center for Artificial Intelligence and Robotics by providing a conducive environment with transferring engineering knowledge, inculcating creative thinking, and generating passion for doing it yourself approach which will make them Industry ready.




MISSION:

- Provide students the knowledge that makes them professional engineers, inculcate within, a solid base in mechatronics engineering, analytical and rational skills, for making them future leaders.
- Develop an accomplished human resources with an aptitude for entrepreneurship capabilities, team spirit and novel approach for their professional careers with lifelong learners.
- Impart quality learning culture to students to promote high standards of professional ethics, transparency, and accountability.

Academic Year	:	2016-17
Name of Faculty IC	:	Avinash Paitl
Name of Secretary	:	1. Shivam 2. Shruti Choudhary
Budget Allocated by Institute	:	5,00,000
Sponsorship Received	:	1
Events Conducted	:	15

Sr. No.	Name of Event	Details of Events	No. of Participants	Name of Winner with Position	Photo of Event with Caption
1	Advanced Arduino workshop for 2 nd Year Students	Intra college event	40	NA	

2	Avishkar- Exhibition of Robots and Projects made by the students/Members of Robotics Club.	Intra college event	200		
3	Project Making by 2 nd year and 3 rd year Students (specially e Yantra kits)	Intra college event	12	NA	
4	Basic Arduino Workshop for 1 st Year students	Intra college event	130	NA	
5	RSI membership	National event	70	NA	
6	ROBOCON 2017	National	40	13 th out of 110	
7	Manual Bot workshop for 1 st year students	Intra college event	60	NA	
8	Cyborg Hustle (Robo race)	Intra college and inter college	60		
9	Pick N Place	Intra college and inter college	40		
10	Navigator	Intra college and inter college	30		
11	Robo Soccer	Intra college and inter college	30		
12	Internship under 3DPML lab	Under PI Lab the one month internship program was	Shivam kumar Shobhit rastogi		

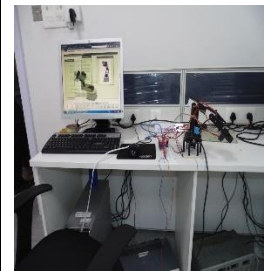
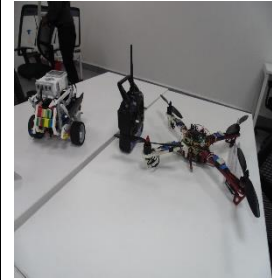
		conducted.	Vikas sangwan Shruti choudhary Pankaj pal Akash tomar Gokul singh Priyabrata samanthray Praveen kumar Devendra mishra		
13	Establishment of Product Innovation Lab	The product innovation lab of AIT is sponsored by 3DPLM Software Solutions Ltd (now Dassault System). The MoU was signed between the two on 10th July 2016. The lab was inaugurated on 31st January 2017. To inaugurate this lab, a team consisting of many dignitaries associated with 3DPLM and Dassault System were present. The chief guest to inaugurate this lab was Theirry Chevrot, Global Expert for Academia Programs, Dassault System. Other Dignitaries included Hemant Gadgil, Director, Learning Solutions Group, 3DPLM Software Solutions Ltd, Huzefa Salim, Senior Domain Manager, Learning Solutions Group,	20		  

3DPLM Software Solutions Ltd, Rajiv Naithani, Head HR, 3DPLM Software Solutions Ltd and many others. Mr. Prashant Bhatt was the coordinator of this inauguration ceremony along with Mr. Tushar Chitare. Mr. Prashant Bhatt along with Mr. Tushar Chitare had constantly been in contact with the college and has provided immense support to the faculty and the students for fully functional lab.

The lab provided project based internship to 13 students from third year at an initial phase. The projects developed so far were explained to the second-year students outside the schedule of the college hours.

The lab is fully equipped with two computers sponsored by 3DPLM with 3DS (software) installed, LEGO kits, 6DOF Robotic Arm, Poppy Humanoid Robot, Automatic Wiper, 3D Printer etc.

The 3DPLM also organized webinars every Wednesday for 3



		<p>months to explain basics of the software used in industry. The seminars focused on the application of this knowledge at Industry level.</p> <p>The lab has also planned projects and internship for the students</p>			
14	Seminar on Dassault Labs 3DEXPERIENCE by Prashant Bhat	<p>The presentation was started with the introduction to 3DEXPERIENCE SOFTWARE and its platform .</p> <p>It was explained that the platform is a cloud that basically comprises of almost 500 softwares which include catia, simulink, dymola etc. Therein we were told how to create a new RFLP (Requirement Fucntional Logical Physical).</p> <p>With examples we were told about the applications of these softwares in industrial procedures. The procedure for making a new program and simulating it in 3dexp was demonstrated. The procedure</p>	100		

		<p>included steps like :</p> <ol style="list-style-type: none"> 1. Including modelica library 2. Importing .3dxml file to open a project. This includes: <ol style="list-style-type: none"> a. Importing of cad model b. Logical block containing dymola behavior c. FMI block which had the .fmu file for fmi of arduino 3. Burning respective code of corresponding project into the arduino 4. Simulation of the project 			
15	Use The PINS Wisely Workshop 3.0	A workshop includes development of line tracer robot from scratch to finished product	140 students FE All branches		



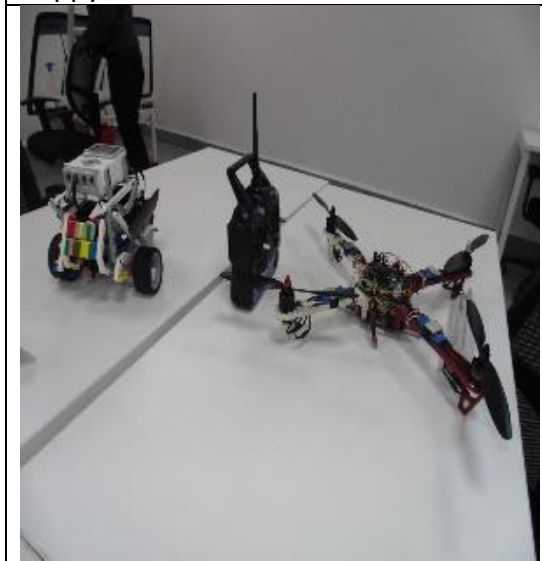
Poppy Robot



3D Printer



Eyantra Robot Kits IIT Powai sponsored



Lego and Quad Copter



Robotic Arm



Inauguration of PI Lab



Seminar Under RSI

Poppy Experiment

Auto Simulator Experiment



Aakruti Runner up

Robocon 17