

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	:	2018-19
Name of Faculty IC	:	Avinash Paitl
Name of Secretary	:	1. Vikshit Singh Rathor 2. Simon Singh
Budget Allocated by Institute	:	6,00,000
Sponsorship Received	:	1
Events Conducted	:	14

Sr. No.	Name of Event	Details of Events	No. of Participants	Name of Winner with Position	Photo of Event with Caption
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1	<p><u>DESIGN THINKING WORKSHOP</u> <u>16th -17th August</u> <u>Resource</u> Mr Hemant Karandikar , Head of Strategy and Branding, Design Directions Prof. Avinash Patil (AIT Robotics Club Incharge)</p>	<p>The said workshop is on design thinking for development of any project from scrap.</p> <p>To give opportunity to the students to view a problem from different perspective and allow the students to delve into the problems to determine its root cause.</p> <p>To encourage students for innovative thinking and creative problem solving.</p> <p>To make students ensure that the final outcomes meets objectives and all requirements.</p> <p>Student will be able to solve problems and develop new projects with better understanding.</p> <p>Knowledge about designing and development of a product for industrial and</p>	28 Students for TE		 
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		commercial uses.			
2	<u>Escalade prelims, IIT Guwahati</u>	Prelims round carried out at Raman theatre on 8 th July 2018	20 from AIT, DY Patil, COEP		
3	Use The PINS Wisely Workshop 5.0	A three day workshop on Robot building for FES on 20th and 21st Sept Resource: Prof. Avinash Patil (AIT Robotics Club Incharge) S.Pavitra(BE E&TC-A) Vikshit Singh Rathor(TE E&TC-B) Simon Singh(TE E&TC-B) Ankush Mandal(TE E&TCA) Pawan Kumar(TE E&TC-B) Shiva Pal(TE E&TC-B) Shobhan Nath(TE E&TC-B) Hitabrata Nath(TE E&TC-A)	116 Fes and 10 SEs		
4	<u>Manual BOT</u>	Resource: Vikshit Singh Rathor(TE E&TC-B) Simon Singh(TE E&TC-B) Neeraj Rajput(SE E&TC) Sneha Singh(SE E&TC) Aashish(SE MECH)			

5	IIT Bombay Techfest	<p>1. Techfest is the annual science and technology festival of Indian institute of Technology, Bombay which was started in 1998.</p> <p>2. A total of eleven team from our college participated in three different events.</p> <p>3. Seven purely FE teams, 2 SE teams and one TE team participated in Vice Clutch and Meshmerize .</p> <p>4. In Vice Clutch, the bot has to simply pick up blocks and place them at specified place using manual bots.</p> <p>5. Four teams, including three FE and one SE team successfully completed the given task.</p>			
6	Avishkar-	Intra college event	200		

	Exhibition of Robots and Projects made by the students/Members of Robotics Club.				
7	Project Making by 2 nd year and 3 rd year Students (specially e Yantra kits)	Intra college event	12		
8	ROBOCON 2019	National	40		
9	Manual Bot workshop for 1 st year students	Intra college event	60		
10	Cyborg Hustle (Robo race)	Intra college and inter college	60		
11	Pick N Place	Intra college and inter college	40		
12	Navigator	Intra college and inter college	30		
13	Robo Soccer	Intra college and inter college	30		
14	3DPLM Lab	Entire Sem I	All FE's		

	Exposure		Approx 150 students		
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Guest Session on Electric Vehicle



Seminar



Tech Fest_ IIT Powai



Robocon 19