

ARMY INSTITUTE OF TECHNOLOGY

CENTER OF EXCELLENCE FOR AI AND ROBOTICS

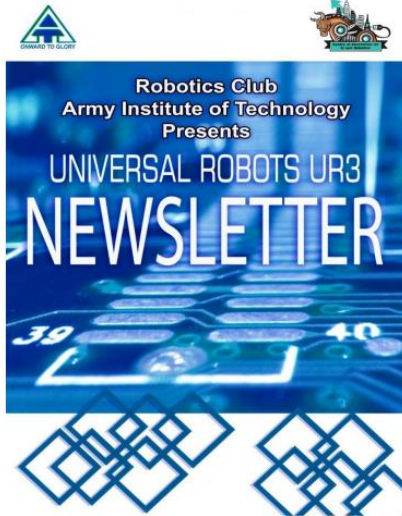
VISION: To become a leading learning center for Artificial Intelligence and Robotics by providing a conducive environment with transferring engineering knowledge, inculcating creative thinking, and generating passion for doing it yourself approach which will make them Industry ready.




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	:	2023-24
Name of Faculty IC	:	Avinash Paitl
Name of Secretary	:	1. Shubham Tiwari 2. Aditi More
Budget Allocated by Institute	:	15,00,000
Sponsorship Received	:	1
Events Conducted	:	21




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	Started a Robotex news letter of CEAR	A monthly news letter covering the recent news and activities related to robotics and allied fields	15 students members and 5 faculty members Shubham Tiwari(TE) Aditi More(TE) Avinash Punia(TE) Rahul Singh(TE) Birendra (TE) MeharMeet(SE) Ritek Raj(SE) Abhi Sirohi(SE)		
2	Train the trainer program	The Python Workshop from Courseera certificate program	Ankit Singh BE E&TC Kapil Kharita BE E&TC		
3	AIT Day Projects	CEAR has demonstrated various projects like GPS navigated Drone, Robocon bots, Target tracking system, Smart Home,	20 CEAR members and AID Day Guests		

4	CEAR Inauguration event	Hosted and carried out inauguration event of CEAR. Various Projects were displayed along with the students startup and associated companies with CEAR	All CEAR students and staff members		
5	WarTech 2.0	<ol style="list-style-type: none"> The proposed events include: <ul style="list-style-type: none"> - Drone Drag, Rusty Wheels, Robo Soccer, Robo-Clench, Maze Runner, RoboWar For school students, we propose the following special events: <ul style="list-style-type: none"> - Maze Runner, Robo Clench, Quizotics <ul style="list-style-type: none"> • 4th April to 8th April 2024 	Avinash Punia TE E&TC Shubham Tiwari TE E&TC Aditi More TE IT		 
6	Tech Solutions: Line Tracer, Robo Race,	Feb 2021	InterCollege Approx 100 Students participants		

	Pick and Place and IC Engine				
7	Tech Aakriti: Line Tracer, Robo Race, Pick and Place and IC Engine	Jan 2021	IntraCollege Approx 100 Students participants		
8	Use The PINS Wisely Workshop 5.0	A three day workshop on Robot building for FES on Sept Resource: Prof. Avinash Patil (AIT Robotics Club Incharge) Abhishek Panda(BE E&TC) Sneha (BE E&TC) Ankush Roy(TE E&TC) Abhishek Jha(TE E&TC) Priyanka(TE Mech) Yadhu (SE E&TC)	116 Fes and 10 SEs		
9	AI and Robotics Training to APS Teachers	APS Dighi, APS Ahemdagar			
10	Guest Lecture by K ShekaNayaki	Robotics and career building--13 th Feb 2024.	35 Robotics Club members	NA	

11	Guest Lecture by Shivam Kumar	Robotics and career opportunities- -Dec 2023.	25 Robotics Club members	NA	
12	IIT rep	IIT Bombay techfest workshop	80 Robotics Club members	NA	
13	IIT Delhi	DD-Robocon event	02 Robocon team members	NA	
14	BITS Goa	Robotic Completion	12 Club students	--	
15	IIT Guwahati Zonal	Escalade event--28 th July2024	10 Club students Team 1: a. Abhi Sirohi TE E&TC A b. Rohit Parihar TE E&TC B c. Aditya Sharma TE E&TC A d. Ashwin TE IT Team 2: a. Ritik Raj TE E&TC A b. Akash Kumar SE E&TC B c. Vivek SE E&TC A d. Pratik SE E&TC A	Winner	
16	IIT Guwahati Finals	Escalade Event	06 Club students	--	
17	MoU	THE MoU with IIT Guwahati related to ESCALADE 13.0 event			

18	FE Induction Program	CEAR awareness and active participation from FE's-- on Aug 2023	10 CEAR members and All FE's	--	
19	3D Printer training	Conducted one day hands on training on 3D Printer for FE students	05 CEAR members and 30 FE's	--	
20	Drone training	Conducted one day hands on training on Drone for SE students	03 CEAR Members and 10 SE Club members	--	
21	Robocon Event	Participated in ABU Robocon event and qualify first round	30 CEAR students were participated		 

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