

**ARMY INSTITUTE OF TECHNOLOGY**  
Dighi Hills, Alandi Road, Pune 411015  
Department of Mechanical Engineering

**BE Project Groups AY 2024-25**  
**Final Guide Allotment for Project Title Registration**

Sr No	Faculty Name	Gr No	Roll No	Student Name	Prospective Project Titles
1	Dr. Umesh V Awasarmol	G1	2455	C Shankar Ganesh	Detection of LPG & shutting down of Domestic LPG Cylinder using Arduino
			2456	Aryan Dogra	
2	Prof. R S Verma	G2	2425	Mohan Singh	Investigation of Heat transfer in plate fin heat sink using Dimple- Protrusion
			2449	Vikash Kumar	
			2454	Yuvraj Singh	
			2427	Nikheel Kumar	
3	Prof. Vinay R Kulkarni	G3	2417	Isha Rana	Development of Cost-Effective autonomous floor cleaner
			2442	Shiv Ram	
			2402	Abhishek	
4	Dr. J D Patil	G4	2412	Gourav Kumar	Design & Development of Tethered Amphibious Swimming Mechanism
			2428	Pankaj Rai	
		G5	2405	Amandeep Singh	Design of Underwater ROV
			2421	Kumari Sonali Singh	
			2422	Kutagolla Lalith Pavan	
5	Dr. Pritee Purohit	G6	2409	B. Bhavani	Development of Seed Sowing Agricultural Vehicle
			2410	Ganga	
			2413	Gurleen Kour	
			2445	Tanuja Negi	
		G7	2414	Hemant Yadav	Design and development of Obstacle Detection Band for Blind Person
			2424	Mayank Mudgal	
			2426	Neeraj Kr. Khandagre	
			2432	Prashant Kr. Chauhan	

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6	Dr. R B Gurav	G8	2447	Vignesh Hari B	Design and Fabrication of Quick opening closure
			2441	Sainath Belage	
			2443	Shivam Kumar	
			2418	K Srikumar Ayyanar	
7	Prof. Pankaj V Dorlikar	G9	2407	Aryan Kumar Sharma	Design & Development of Delta Type Polymer 3D Printer
			2431	Pooja Yadav	
			2436	Regu Tanuja	
			2452	Waibhav Kumar	
		G10	2450	Vinay Pratap Giri	Design & Optimization of Aerial & under water drone for Oil and Gas pipe line Inspection
			2437	Ritika	
			2411	Gaurav Singh Malara	
2435	Raj Vardhan Singh				
8	Prof. Y V Patel	G11	2401	Aakash Avasthi	Design & Development of a Prototype of Micro electro Mechanical System Accelerometer base self-balancing Robot
9	Dr. S M Gaikwad	G12	2406	Anil Singh Tomar	Numerical & experimental heat transfer enhancement through Optimized Delta Wing Vortex Generator Geometry
			2451	Vivek Yadav	
10	Prof. Anand A Ramgude	G13	2408	Avinash Singh	Design & Development of a Fixed wing VTOL UAV
			2448	Vikash	
			2446	V Dinesh	
			2404	Allamraju Arunkumar	
11	Prof. M B Phatangare	G14	2444	Simran	Motorised solar powered scarecrow for Farm Protection
			2435	Partha Sarathi Sena	
			2439	Rutweek Sopan Pansare	

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12	Prof. Rajesh S Godse	G15	2420	Krishna Mohan Tripathi	Design & Optimization of Thermal management system in Lithium-ion Battery Packs for Electric Two-Wheeler
			<b>2423</b>	<b>Mahendra Kr. Vishnoi</b>	
			2434	Raj Singh	
13	Dr. Laxmikant D Jathar	G16	2416	Hitanshu Rana	Design & Development of a Railway track crack detection robot
			<b>2430</b>	<b>Piyush Kumar</b>	
			2438	Rohit Singh Tanwar	
			2440	Sahil Dwivedi	
14	Prof. Gauri Bhasale	G17	2403	Abhishek Kulhari	Design & Development of Piezoelectric platform for foot- step Power Generation
			2415	Himanshu	
			<b>2433</b>	<b>Rahul Jaspal</b>	
			2453	Yaswant Singh	