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Department of Electrical Engineering
TY Mini Project Details -Academic Year- 2025-26

Group No.	Roll No.	Name of the Student	Title of the Project	Category -I (Internal/ External), If external, mention Name of the Organization	Name of the Guide	Category-II Application/Product/ Research	SDG Mapped
1	4023101	AMJAD ANSARI	Development of Three Phase Bidirectional Inverter in Renewable Applications	Internal	Dr. Sushil Thale	Research	SDG7
	4023115	MAHADEV KARLEKAR					
	4023151	SAHIL CHOUGULE					
	4023170	RUCHIKA PDETHER					
2	4023152	DANGE RAJ PRASHANT	Monitoring and Protection of Battery for Charging Cycles	Internal	Dr. Sushil Thale	Research	SDG7
	4023161	MELWIN NADAR					
	4023164	PATIL SAURAV VISHNU					
	4023168	PANDIT ONAM RAJESH					
3	4023112	SHRAVANI ANIL JADHAV	Drone Based Crop Image Monitoring System	Internal	Dr. Sushil Thale	Product/Application	SDG2 SDG9
	4023146	AMAN SANJEEV CHAUHAN					
	4023160	YASH SHIRENDRA MAHESHKAR					



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4	4023108	Priyanshu Chandramani	Vertical Axis Wind Turbine for Highways	Internal	Dr. Sushil Thale	Product/Application	SDG7 SDG9
	4023109	Swagata Laxmi Das					
	4023129	Ryan Pinto					
	4023135	Dhruv Shetty					
5	4023105	RUSHIKA VAIBHAV BHANDARKAR	V2V Energy Transfer System using Bidirectional DC-DC Converter	Internal	Dr. Sushil Thale	Product/Application	SDG7
	4023114	SHRAVANI SANDESH JUIKAR					
	4023117	SURABHI VINAYAK KULKARNI					
	4023122	ARYA SUDAM NIKAM					
6	4023150	PALAK PRAVIN CHAUDHARI	Smart Energy Monitoring System	Internal	Dr. Sushil Thale	Product/Application	SDG7
	4023159	LOHAR NIKHIL KUMAR DINESH KUMAR					
	4023165	PAWAR VASHISHTHA					
	4023169	VISHAKHA VINAYAK BASUTKAR					
7	4023132	SHAIKH MAJEDA MOHAMMED SADIQUE	Smart Glasses for Blind People	Internal	Mrs. Mini N	Product/Application	SDG3 SDG10
	4023134	SHELKE SAMIKSHA					
	4023155	INAMDAR SHAHID JAVED					
	4023162	NARUDE SHREYAS RAJU					
8	4023156	JADHAV OMKAR ASHOK	Design of Isolated Flyback Converter	Internal	Mrs. Mini N	Research	SDG7
	4023157	JAIWAR ABHISHEK VIJAY KUMAR					
	4023167	YADAV RAVI HARIMURAT					
	4023158	KHAN ZIYAD FIROZ					



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9	4023119	MORE AASAVARI RAJENDRA	Three Phase SPWM Inverter	Internal	Mrs. Mini N	Product/Ap plication	SDG7
	4023136	SHETYE AADITYA VIVEK					
	4023141	THAKARE TANISH VIJAY					
	4023145	ZINJAD ATHARVA ASHOK					
10	4023102	HAMZA BARKAT ANSARI	Gyro-Based Balancing System for Two-Wheeler EV Prototype	Internal	Mrs. Mini N	Product/Ap plication	SDG7 SDG11
	4023123	SHREENIDHA P S					
	4023128	SEJAL SAMPAT PAWAR					
	4023142	VAISHNAV VINOD					
11	4023118	ADITYA SUNIL MENDON	Smart EV Charging Platform with IoT Based Monitoring and OCPP Communication	Internal	Mr. Rajendra Soni	Product/Ap plication	SDG7 SDG9
	4023120	VEDANT SATYEN MORE					
	4023124	VEDANT HIRAMAN PATARE					
	3023151	REUBEN PRASAD					
12	4023103	Shubham Venket Bansode	4 Wheeled Locomotion System using Omni Wheels	Internal	Mr. Rajendra Soni	Product/Ap plication	SDG9
	4023110	Sahil Sambhaji Gaikwad					
	4023121	Nikhil Dinesh Nigam					
	4023138	Shravani Ankush Shinde					
13	4022149	Mitesh Thakur	Automatic Solar Sunflower Panel using ESP32	Internal	Mr. Rajendra Soni	Product/Ap plication	SDG7
	4023140	Harshal Tambe					
	4023116	Rahul Kedare					
	4022102	Akshaya Balam					
14	4023143	Vishnu Vardhan Santhosh K	Automatic Solar Panel Cleaning Robot	Internal	Dr. Mini Rajeev	Product/Ap plication	SDG7
	4023137	Tanmay Shailendra Shetye					
	4023131	Mayuresh Sawant					
	4023126	Tushar Patil					



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15	4023163	NIKAM MAYUR SHIVAJI	Footstep Power Generation	Internal	Mr. Rajendra Soni	Product/Application	SDG7
	4023148	BHANDE SUMIT					
	4023147	ASLAM AHMED HUSSAIN					
	4023171	SHUBHAM KOTKAR					
16	4023154	GANGAJI VISHAL ISHWAR	Closed Loop Buck – Boost Converter for LED Driver Circuit	Internal	Mr. Rajendra Soni	Research or Product/Application	SDG7
	4023149	CHALWADI LAVINA					
	4023166	THAKARE JAYESH					
	4022118	JERRY JOSEPH					
17	4023106	AKASH BHOYAR	Autonomous Object Following Robot	Internal	Mr. Rajendra Soni	Product/Application	SDG9
	4023107	ADITYA BRAHMANKAR					
	4023125	MANAS KALPESH PATIL					
	4023139	KARTIK KISHOR SOLUNKE					
18	4023104	BHAVESH BHAMBRE	Sustainable Solar Based Automatic Grass Cutter	Internal	Mr. Rajendra Soni	Product/Application	SDG7
	4023127	VISHWARAJ PATIL					
	4023144	KRUSHNA WAGHCHAURE					
19	4022101	BAIKAR RUTIK GAJANAN	Drowsiness Detection System using IR Sensor	Internal	Mr. Rajendra Soni	Product/Application	SDG3
	4022110	DANDILE LAXMAN					
	4022115	GHULE PRADEEP					
	4022140	PINJARI RITVIK SANJAY					

Name and Signature of
Project Coordinator

RAJENDRA SONI

Name and Signature of
Head of the Department

Dr. Mini R