

6.1.5.1 Student Innovative Projects

TableNo.6.1.5.1: List of faculty members involved in student innovative projects.

S.N.	Name of the Faculty	Name of the Project/ Initiative/ Event	Date of Event	Place of Event	Website Link if any
2024-25					
1	Prof.(Dr)A.R Laware	Design of PID Control strategies for cylindrical and conical storage system	12/06/2025	Ahilyanagar	No
3	Prof.(Dr.) M.H. Nerkar	Electric vehicles battery management system with charge monitor and fire protection	12/06/2025	Ahilyanagar	No
4	Prof.(Dr) K.D. Vidhate	IOT based Solar Power Monitoring System	12/06/2025	Ahilyanagar	No
5	Prof S.K Awaze	Smart Grid Integration of Renewable Energy Sources	12/06/2025	Ahilyanagar	No
		Simulation of impact of wind Energy farm on the grid reliability with the help of power world simulator	12/06/2025	Ahilyanagar	No
7	Prof. S.S Mandhare	Obstacle Avoiding vacuum Cleaner Robot	12/06/2025	Ahilyanagar	No
8	Prof R.A Darandale	Design of PID control strategies for spherical and triangular vessel storage system	12/06/2025	Ahilyanagar	No
9	Prof. G.B Murade	Automatic Voltage Regulator Based on Fuzzy Logic Controller (On Road Wireless charging of EV)	12/06/2025	Ahilyanagar	No
2023-24					
1	Prof.(Dr)A.R Laware	Reactive Power compensation using SVC	21/06/2024	Ahilyanagar	No

2	Prof.(Dr).S.K. Sheikh	Power factor correction in commercial unit	21/06/2024	Ahilyanagar	No
3	Prof.(Dr.) M.H. Nerkar	Study of parameters and battery management System	21/06/2024	Ahilyanagar	No
4	Prof.(Dr) K.D. Vidhate	Solar Water Purifier Machine	21/06/2024	Ahilyanagar	No
5	Prof S.K Awaze	Wireless Electric Vehicles Charging System	21/06/2024	Ahilyanagar	No
6	Prof. S.B Joshi	Advancement & Optimization of Solar Water Pump	21/06/2024	Ahilyanagar	No
7	Prof. S.S Mandhare	Automatic Storage System	21/06/2024	Ahilyanagar	No
8	Prof R.A Darandale	Speed Control of DC Motor Using PLC	21/06/2024	Ahilyanagar	No
		PLC Based Phase Sequence indication & Controlling System	21/06/2024	Ahilyanagar	No
	Prof. G.B Murade	Matlab Simulation For Solar Module Range 200 to 300 watt	21/06/2024	Ahilyanagar	No
2022-23					
1	Prof.(Dr)A.R Laware	Design of Sliding Mode Control Strategies for DC Motor	19/06/2023	Ahilyanagar	No
		Design of sliding mode control strategies for Induction Motor	19/06/2023	Ahilyanagar	No
2	Prof.(Dr).S.K. Sheikh	Performance analysis of cogeneration plant.	19/06/2023	Ahilyanagar	No
		Manufacturing Of Electromagnet For Abrasive Finishing Machine		Ahilyanagar	No
		The electricity generation potential in sugar mills of Ahmednagar District		Ahilyanagar	No
3	Prof.(Dr.) M.H. Nerkar	EV charging station using solar power	19/06/2023	Ahilyanagar	No
4	Prof.(Dr) K.D. Vidhate	Build Dc To Ac Inverter Circuit With IOT Based Load	19/06/2023	Ahilyanagar	No

		Hybrid Energy Generation Using Solar And Wind		Ahilyanagar	No
5	Prof S.K Awaze	IOT based Prepaid Electricity Meter	19/06/2023	Ahilyanagar	No
		Power Grid Failure Detection Based On Voltage And Frequency Variance Detection		Ahilyanagar	No
6	Prof. S.B Joshi	Using IOT Based Transformer Monitoring system	19/06/2023	Ahilyanagar	No
7	Prof. S.S Mandhare	IOT based solar field monitoring for fault analysis	19/06/2023	Ahilyanagar	No
		Solar Water Pump			No
8	Prof R.A Darandale	Multiprocess control using PLC	19/06/2023	Ahilyanagar	No
9	Prof. G.B Murade	IOT Based solar module tracking using cloud computing	19/06/2023	Ahilyanagar	No