



Approved by A.I.C.T.E. & Permanently Affiliated to J. N. T. U. Gurajada, VIZIANAGARAM

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List of student projects (ACY:2023-24)

Sl. No	Regd.No	Name of the Students	Project Guide	ProjectTitle	Supported POs and PSOs	Domain	Project Type (Application, Product, Research, Analysis)	Project Relevance (consideration to factors such as environment, safety, ethics, cost, standards)
1	21KD5A0201	DARLAPUDI VENKATA	Mr.K.Dinesh	Control of Autonomous Underwater Vehicle	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Control Systems	Application	Ensures environmental protection, operational safety, ethical use, cost-efficiency, and adherence to industry standards.
	20KD1A0228	DURGA RAJASEKHAR						
	20KD1A0226	DODDA DEVI PRAKASH						
	20KD1A0221	CHEEKATI VINAY KUMAR						
	20KD1A0242	KALLA PRANEETH						
2	20KD1A0237	GUDIVADA JYOTHSNA	Mr.B.Ram Vara prasad	Smart Wireless Electric Vehicle Charging Enabled Based on Electric Vehicle Presence Using AI	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Electronics	Application	Promotes eco-friendly charging, ensures safety, ethical AI integration, cost-efficiency, and compliance with standards.
	20KD1A0236	GONGADA NAVEEN						
	20KD1A0251	KORADA SANYASINAIDU						
	20KD1A0220	CHEBOLU SAI KUMAR						
3	20KD1A0201	ARADHYULA VENKATA SAI GAYATRI	Ms.Ch.Harika Shivani	Modelling and Simulation Analysis of Grid Connected Hybrid Energy System	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2,	Power Systems	Analysis	Enhances renewable energy integration, ensures safety, ethical practices, cost optimization, and
	20KD1A0243	KANAKALA ANUSHA						
	21KD5A0208	KORADA BALA SIVA						
	20KD1A0233	GEDELA TEJA SWAROOP						
4	20KD1A0208	ARISSETTI MARY NIKHITHA	Mr. K. Ravi Sankar	Experimental Analysis of Dust Accumulation Impact on Photovoltaic Panels efficiency in Hot and Humid	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Systems	Analysis	Improves solar efficiency, supports environmental sustainability, ensures safety, cost-effectiveness, and adheres to standards.
	20KD1A0249	KOLLURI SATYA						
	20KD1A0231	GANDI SRINU						

	20KD1A0219	CHANDAKA HARSHA VARDHAN		Climate				
5	20KD1A0234	GINNEPALLI BHAVITHA	Dr.M.Venkateswaran					

	20KD1A02A3	SURAPUREDDI RAGA SAI		For Robust Power Sharing in Microgrid	PO8, PO9,PO10, PO11,PO12, PSO1,PSO2PSO1,PS			ensures safety, ethical control, cost-efficiency, and standard compliance
	20KD1A02C0	POLA RAVITEJA						
23	20KD1A0267	MUDILI AKASH	Mr.A.Anil Kumar	Optimization of connecting weights of an Artificial Neural Network using simple particle swarm optimization technique	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Control Systems	Research	Improves AI efficiency, ensures ethical optimization, cost-effectiveness, safety, and compliance with industry standards.
	21KD5A0213	TIRUMALARAJU SAI PAVAN KUMAR VARMA						
	20KD1A02B8	YENAMANDRA SANYASESWARA NIKHIL						
	20KD1A0286	PILLA ROHIT						
24	20KD1A02B9	YERRA PRAGNA KUMARI	Dr.B.V.S.Acharyulu	Design of Cascaded PI-PD controller for an Ocean Thermal Hybrid automatic Generation Control System	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Control Systems	Research	Enhances renewable energy integration, ensures safety, ethical design, cost-efficiency, and compliance with industry standards.
	20KD1A0299	SEELA LAVANYA						
	20KD1A02B2	VASIREDDI MEGHANA NAIDU						
	20KD1A0272	NARAMASETTI NIKHIL						
25	20KD1A0273	NARLA SAI NAGA RAMALAKSHMI	Mr. T. Papinaidu	Fuzzy Logic Control Based Load Frequency Control of Multi Area Interconnected Power Systems	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Electronics	Analysis	Improves power system stability, ensures safety, ethical control, cost-efficiency, and adherence to industry standards.
	20KD1A0271	NADIMINTI NARAYANA RAO						
	20KD1A0284	PEDIREDDI MANOHAR						
	20KD1A02B1	VASADHI MOHAN KRISHNA						
26	20KD1A02B0	VALASALI GNANESWARI	Mr. T. Papinaidu	Humanoid Robot with Obstacle Avoidance and Self-Balancing using IOT	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Control Systems	Product	Enhances robotics efficiency, ensures safety, ethical use, cost-effectiveness, and compliance with industry standards.
	20KD1A02A0	SEEREDDI BHARATHI						
	20KD1A02A2	SURAKALA ROHIT						
	20KD1A02A7	UPPADA KALYAN						
27	20KD1A0261	MANDALA REVATHI	Mrs.B.Vanajakshi	Parameter Estimation of Solar PV cell using Penguin Algorithm	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Systems	Analysis	Optimizes solar energy efficiency, ensures safety, ethical AI use, cost-effectiveness, and standard compliance.
	20KD1A02B5	VELUCHURI KESAV SAI						
	20KD1A0269	MUNTHA HARIHARAN						

	20KD1A0291	RAPARTHI ROHIT						
28	20KD1A0268	MUDILI SAI LATHA	Mrs.T.Sravya	Analysis and Comparison of Active Cell Balancing Techniques For Electric Vehicle	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Electronics	Analysis	Improves battery efficiency, ensures safety, ethical design, cost-effectiveness, and adherence to industry standards
	21KD5A0212	SAMEENA PAVANI						
	20KD1A02C7	SILLA JAGADEESH						
	20KD1A02C2	CHINTHAPALLI DURGA PRASAD						
29	20KD1A0281	PASUPULETI VENI SRI SOWRYA	Mrs.K.Aswini	Speed control of Electric Vehicles using Adaptive PID controller	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Electronics	Application	Enhances EV efficiency, ensures safety, ethical control, cost-effectiveness, and compliance with industry standards.
	20KD1A0276	PALLA YERNAIDU						
	20KD1A0295	SALADI SAI KUMAR						
	20KD1A0270	NADELLA HEMANTH						
30	20KD1A0297	SAMIREDDY DEVI	Mrs. K. Anitha	Transient Stability Analysis of a Two Machine Long Transmission System with Power System Stabilizer & Static VAR Compensator	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Systems	Research	Improves grid stability, ensures safety, ethical design, cost-efficiency, and adherence to industry standards.
	20KD1A0292	REDDI DHANUNJAYA NAIDU						
	20KD1A02C6	NANDAMUDI ABHINAV						
	20KD1A0279	PAPPALA SAI DINESH						
31	20KD1A0264	MEESALA RAMU NAIDU	Mr. M. Satish	Power quality improvement in hybrid power system using D-STATCOM under unbalanced voltage conditions	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Systems	Research	Enhances power quality, ensures safety, ethical control, cost-effectiveness, and compliance with industry standards.
	20KD1A0288	PORUPIREDDI DHARMENDRA						
	20KD1A02A6	UDIGALA PAVAN KUMAR						
	20KD1A0285	PENISETTY MOUNIKAA						
32	20KD1A0262	MARIPI SHARMILA	Dr.B.V.S.Acharyulu	Load frequency control of multi-microgrids in an isolated power system using fractional order PID controller	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Systems	Analysis	Improves power system stability, ensures safety, ethical control, cost-efficiency, and compliance with industry standards
	20KD1A02A5	TEELLA HARSHITHA						
	20KD1A0274	NAVUDU ASHOK KUMAR						

	20KD1A02C3	POTTI YERNI RAJU						
33	20KD1A0287	PODILAPU RANI	Mr.A.Bhaskara Rao	Power Quality Improvement by Mitigation of Harmonics Using Series Active Power Filter	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Systems	Research	Enhances power quality, ensures safety, ethical design, cost-efficiency, and compliance with environmental and industry standards.
	20KD1A0282	PATHIVADA AKKU NAIDU						
	20KD1A0266	MUDDULA LIKITH ANAND						
	20KD1A0298	SAYED SHAMSHEER						
34	20KD1A02A1	SIMHADRI VIJAY KUMAR	Mrs. K. Nagamani	Design of Instantaneous Overcurrent Relay in a Three Phase System	PO1, PO2, PO3, PO4,PO5,PO6,PO7, PO8, PO9,PO10, PO11,PO12, PSO1,PSO2	Power Systems	Research	Improves system protection, ensures safety, ethical design, cost-effectiveness, and adherence to industry standards
	20KD1A0289	RAJAGIRI PAVANI KUNCHUMAMBESWARI						
	20KD1A02C1	NARA VENKATA GANAPATHI SASHANKA						
	20KD1A0278	PAMU YASWANATH						