



lendi Institute of Engineering & Technology

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Department of Electrical and Electronics Engineering IV Year EEE–Project Work (2025-26)

Section-A

Batch No.	Regd.No	Name of the Students	Project Title	Project Guide
1	23KD5A0206	Gongada Sekhar	Grid Connected PV System with Hybrid Fuzzy Neural MPPT under Partial Shading	Mr. T. Papinaidu
	23KD5A0204	Duba Vidya Sagar		
	22KD1A0203	Akula Chiranjeevi		
	22KD1A0239	Gunana Surendra Naidu		
2	23KD5A0205	Gedela Damayanthi	Simulation and Analysis of LLC Resonant Converter	Mr. T. Karthik
	22KD1A0201	Addaguduru Chitti Siri Varshini		
	22KD1A0251	Kondeti Vineetha		
	22KD1A0226	Chitti Mukesh		
3	23KD5A0203	Bhogapurapu Vennela	Automatic Generation Control of Interconnected Power System in Smart Grid	Dr. B. V. S. Acharyulu
	22KD1A0217	Buttala Mohini Sai Deepika		
	22KD1A0246	Kantubhuktha Udaya Bhaskar		
	22KD1A0205	Andiboina Surya Kiran		
4	23KD5A0209	Kurumeti Sai Sailaja	Aging-Adaptive Physics-Informed AI-Based Battery Management System for SOH Estimation	Mr V Vykuntarao
	22KD1A0229	Doma Rohith Kumar		
	22KD1A0237	Goddu Devi Vara Prasad		
	22KD1A0221	Ch.Lohith Krishna Sai Santosh		
5	22KD1A0242	Kamavarapu Kaivalya	Performance Analysis of five level Switched Capacitor Inverter for Grid-Integrated Solar Photovoltaic System	Dr. P. Janaki
	22KD1A0206	Anumanthu Rohith Kumar		
	22KD1A0228	Dhammu Dinku Anil Kumar		
	22KD1A0260	Lanka Lokesh		

6	22KD1A0232	Esinasi Jeevan Rao	Sustainable Power and Medical Oxygen generation using An Integrated Solar PV and Fuel cell Framework for Rural Healthcare Facilities.	Dr.M.Venkateswaran
	22KD1A0245	Kanithi Leelavathi		
	22KD1A0243	Kandi Dhikshith		
	22KD1A0220	Chandaka Eswara Chandrasekhar		
7	22KD1A0213	Bobbadi Hemanth	Microcontroller-Based Active Cell Balancing with Non-Dissipative Energy Transfer for Lithium-Ion Battery Packs	Mrs.T.Sravya
	22KD1A0252	Korada Rithwika		
	22KD1A0240	Gusidi Yamini		
	22KD1A0218	Challa Dinesh		
8	22KD1A0202	Aguru Krishnavamsi	Performance Analysis of Adaptive Fuzzy Logic Controller for Load Frequency Control of Multi Area Power System	Mr. K. Ravi Sankar
	22KD1A0234	Gavidi Anitha		
	22KD1A0250	Kolagatla Sravani		
	22KD1A0254	Kosara Moulichand		
9	22KD1A0256	Kshatriya Lalitha Sri Bai	Impact of Electric Vehicle Aggregators and Communication Delays on Load Frequency Control of Power Systems	Dr. B. V. S. Acharyulu
	22KD1A0222	Chandaka Sravanthi		
	23KD5A0202	Altaaf Khan		
	22KD1A0230	Dumpa Devendra Kumar		
10	22KD1A0247	Karri Sravani	Adaptive Control Solar PV System using Advanced MPPT Technique	Mr.A.Anil Kumar
	22KD1A0215	Botta Sharmila		
	22KD1A0219	Challa Sravanthi		
	22KD1A0253	Korrapati Sai Praveen		
11	22KD1A0231	Esakapalli Brunda	Interleaved buck converter having low switching losses and improved step-down conversion ratio	Dr.B.Parusharamulu
	22KD1A0241	Jagarapu Hemasundar		
	22KD1A0209	Beejapu Sreenu		
	22KD1A0223	Chebolu Kiran		
12	22KD1A0235	Gavidi Balaji	Performance Analysis of Regenerative Braking System for a BLDC Motor using SEPIC Converter on Simulink Model	Mr.Gandi Sanyasi Naidu
	22KD1A0212	Bendi Gayatri		
	22KD1A0211	Belagapu Likhitha		
	22KD1A0244	Kandi Raviteja		

13	22KD1A0258	Lakkoju Sai Divya	Adaptive Deep Learning Bidirectional DC/ DC Converter Control for EV Grid Integration	Mr.K.Veda Prakash
	23KD5A0208	Kanakala Mani Srinivas		
	22KD1A0261	Lenka Pavan		
	22KD1A0207	A.Venkata Krishna Manohar		
14	22KD1A0210	Behara Eswara Rao	Electric Vehicle Battery Performance Enhancement Using Fuzzy Logic Control	Mrs.B.Vanajakshi
	22KD1A0208	Bandaru Mohit Naidu		
	22KD1A0227	Chukka Nikhita		
	22KD1A0233	Gandiboyina Nandini		
15	23KD5A0201	Adhikarla Krishna Koundinya	Load Frequency Control of Three-Area Interconnected Power System with Renewable Energy Sources Using Fuzzy Logic Controllers	Dr K Subbaramaiah
	22KD1A0255	Koyya Shanmukh		
	22KD1A0238	Gulipalli Tharun Kumar		
	22KD1A0262	Lolugu Pavan Kumar		
16	22KD1A0248	Kilaparthi Dedeepya	To investigate realistic workability of synthetic ester in comparison to mineral insulating oil for distribution transformer	Mrs. K. Nagamani
	22KD1A0214	Boni Sumanth Kumar		
	22KD1A0204	Ananthapatnaikuni Charan Sai		
	22KD1A0259	Lakkoju Satyanarayana		
17	22KD1A0257	Kunibilli Kusuma	Battery Monitoring System Using Machine Learning	Mrs.K.Aswini
	22KD1A0236	Gedela David Paul		
	22KD1A0249	Kintali Sai Krishna		
	22KD1A0224	Chepena Teja Chandra Kanth		
	22KD1A0216	Burli Harshini		

Section-B

Batch No.	Regd.No	Name of the Students	Project Title	Project Guide
1	22KD1A02C0	Vangapandu Navya Sri	Smart Monotoring of Distribution Line Fault Detection System with IOT Technology	Dr. K.Praveen Kumar Yadav
	22KD1A0284	Patrayuni Sri Mahalakshmi		
	23KD5A0213	Saka Neeraj Kumar		

	22KD1A02C1	Vemula Vamshi		
2	22KD1A02A3	Sambangi Dhanalakshmi	Ai-Based Fault Detection in EV Power Train Using Sensor Data	Mr.B.Murali
	22KD1A0286	Pelluri Shanmukeswara Rao		
	22KD1A0273	Mutta Sharmila		
	22KD1A02A0	Ravada Venkatesh		
3	22KD1A02B8	Ujjiri Teja	Design and Implementation of EV Battery Management System using STM32 with Charge Monitoring and Fire Protection	Mr. M. Satish
	22KD1A0299	Rambariki Dileep Musali Naidu		
	22KD1A0287	Pinninti Navya		
	22KD1A0279	Noudu Krishna		
4	22KD1A0276	Neelapu Rama Lakshmi	Study of Grid Connected Solar PV System with Musical Chair Optimization MPPT Controller	Dr. P. Janaki
	22KD1A02C3	Y Teja		
	22KD1A02B3	Thogurothu Vamsikrishna		
	22KD1A02A2	Routhu Yagnesh		
5	22KD1A02A1	Rongali Sindhu	Decentralized ESP32- Based System for Internet-Independent Electric Drive Management	Mrs. K. Anitha
	22KD1A0270	Matcha Kavya		
	22KD1A0293	Punnapureddy Charishma		
	22KD1A0281	Palli Vinod		
6	22KD1A02B0	Tadela Vinodh	Solar Powered Smart Home Automation System Using IoT	Mr. U. Sri Anjaneyulu
	22KD1A0267	Manchupalli Lahari Yadav		
	22KD1A02B2	Tankala Ganesh		
	22KD1A0292	Pullidikurthi Pavan		
7	23KD5A0210	Mahanthi Geetanjali	Design of a self tuned fuzzy PID load frequency controller for power system	Mr.Suresh Kumar
	22KD1A0298	Rajana Anusha		
	22KD1A0275	Nadupuru Yashwanth		
	23KD5A0212	Patuwardhanam Revanth		
8	22KD1A02B7	Tumurothu Rani	Advanced Military Spying and Bomb Disposal Robot	Mr. T. Papinaidu
	22KD1A02A9	Sureddi Dhanunjay		
	22KD1A0274	Nadupuru Vishnu Vardhan		
	22KD1A0294	Pydi Akhil		

9	23KD5A0217	Vasupalli Nithin	Robust Sliding Mode Control of PV Boost Converter for Enhanced Dynamic Response	Mrs. K. Anitha
	22KD1A02A5	Siddabathula Damareswari		
	22KD1A02B5	Thumurothu Malleswari		
	22KD1A0271	Mavuri Prasad		
10	23KD5A0216	Varanasi Saiganesh	Solar-Powered Inductive Wireless Charging for Unmanned Aerial Vehicles (UAVs)	Mr.B.Ram Vara prasad
	22KD1A0289	Polavarapu Saikiran		
	22KD1A02C4	Dhamisetty Yamini		
	22KD1A02C6	Karrothu Bhanu Prasad		
11	22KD1A02C2	Vulla Dinesh Kumar	Smart Solar-Powered Wireless EV Charging with Resonant Coupling, RFID Security, and IoT Monitoring	Mr. K. Ravi Sankar
	22KD1A02C5	Pathivada Tarun		
	22KD1A0285	Peddinti Anitha		
	22KD1A02A8	Sunkara Venkata Vinay		
12	22KD1A0290	Potnuru Bhargavi	FPGA Based Control Scheme For PV System with Boost Converter and Five Level Inverter	Dr.B.Parusharamulu
	22KD1A0263	Majji Tejaswar		
	22KD1A0264	Mallipamula Jagadeesh		
	22KD1A02B4	Tholeti Arun Kumar		
13	23KD5A0211	Mamidi Divya	Operation of inductively coupled DSTATCOM for power quality enhancement	Dr. K.Praveen Kumar Yadav
	22KD1A0297	Raghumanda Mounika		
	22KD1A0272	Mutcherla Indraja		
	22KD1A0295	Pydi Nikhil		
14	22KD1A0278	Nelivada Hyma	Energy Regeneration in Permanent Magnet Synchronous Motor Drive using Deep Learning Control for Electric Vehicle Applications	Mr.A.Bhaskara Rao
	22KD1A02B9	Vaddadi Yaswanth		
	22KD1A0265	Mamidi Sanyasi Rao		
	22KD1A0269	Marukurti Sai Sumanth		
15	22KD1A0268	Mandala Dhana Lakshmi	Chameleon MPPT Control Based Solar Powered Electric Vehicle	Mr.J.Vijay Chandra
	22KD1A02A6	Siriki Balaji		
	22KD1A02B6	Tumpalli Sai Kumar		

	23KD5A0215	Thamarakandi Mahesh		
16	22KD1A0288	Piridi Naveen	An Integrated Solar and Wind Energy Framework for Sustainable Hydrogen Generation	Dr.M.Venkateswaran
	22KD1A0291	Potnuru Ramesh		
	22KD1A02A4	Seera Sravan		
	22KD1A0283	Pativada Pradeep		
	22KD1A0296	Rabilli Bhaskararao		
17	22KD1A0277	Neeli Gnaneswar	Clustering-Based Unit Commitment using Elephant Herding Optimization	Dr K Subbaramaiah
	22KD1A02B1	Tallapudi Devi		
	22KD1A0282	Pathiwada Vasu		
	22KD1A02C7	Dasu Nagaraju		
	22KD1A0266	Mammula Venkata Eswar Asish		