LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Autonomous)
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Accredited by NBA and NAAC with 'A' Grade
Jonnada , Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241666
E-Mail: lendi_2008@yahoo.com Website: www.lendi.org

List of Students projects (ACY:2021-22)

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	18KD1A0214	CHINTALAPUDI RAMYA	Dr. M.Mangaraj	Evaluation of SVC-Coupled Hybrid D-STATCOM Using ZLMS Algorithm for Enhancement of Power Quality	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Analysis	Improves power quality, ensures safety, ethical design, cost-efficiency, and adherence to environmental and industry standards.
	18KD1A0209	BALIVADAPRAVEEN PATNAIK						
	19KD5A0218	KONA SRAVAN KUMAR						
	19KD5A0207	DEKKATA RAMU						
	17KD1A0226	GARIMELLA VISWANADHA ATCHUTA						
2	18KD1A0208	BALAGAM USHASRI	Mr. M. Satish	PV-Wind Battery Based Bidirectional DC-DC Converter for Rural Electrification	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Electronics	Research	Promotes renewable energy, ensures safety, ethical design, cost-effectiveness, and compliance with rural electrification standards.
	19KD5A0209	ELLA HARSHITHA						
	18KD1A0217	DUVVARAPU BADARINADH						
	18KD1A0232	KARROTHU ROHITH RAVI						
	17KD1A0223	GANGUNAYUNI SAI						
3	18KD1A0227	KANCHI SAI POOJITHA	Mr. Y. Sumith	Parameter Extraction of Induction Motor Using White Shark Optimization	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Electrical Machines	Research	Optimizes motor performance, ensures safety, ethical AI use, cost-efficiency, and adherence to industry standards.
	19KD5A0214	KAMPARA KISHORE						
	18KD1A0234	ROHIT KONDAPALLI						
	19KD5A0205	CHUKKA SAIKUMAR						
4	18KD1A0233	KATAM AJAY	Mr. K. Ravi Sankar	IOT Based Prepaid Energy Meter Using Node MCU and	PO1, PO2,PO3, PO4, PO5,PO6,PO7,	Control Systems	Application	Promotes efficient energy usage, ensures safety, ethical design, cost-effectiveness,
	18KD1A0236	KUTCHARLAPATI DEEKSHITH PRUDHVI						

	18KD1A0237	LAGUDU GANESH		Arduino	PO8, PO9,PO10,			

	18KD1A0218	PINDIPROLU ESWARARAMALAKSHMIS			PO11, PO12,PSO1,PSO2			and compliance with metering standards.
5	18KD1A0207	BALAGA SWETHA SRI	Mrs.K.Aswini	Load Frequency Control Using Artificial Neural Network	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Research	Improves power system stability, ensures safety, ethical AI use, cost-efficiency, and compliance with standards.
	19KD5A0201	ADDAGARLA KUSUMA						
	19KD5A0203	BODDU JANARDANA RAO						
	18KD1A0239	LOKAVARAPU DINESH						
6	18KD1A0203	ATHMAKURI L N RAJA GOPALACHARYULU	Mr. K. Ravi Sankar	GSM based Heart Rhythm Monitoring System Using ECG	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Control Systems	Application	Enhances healthcare safety, ensures ethical design, cost-effectiveness, environmentally conscious, and compliance with medical standards.
	18KD1A0242	MAJJI ASTHA						
	19KD5A0208	DOKULA KUSUMA KUMARI						
	18KD1A0220	GEDELA JAGAN KUMAR						
7	18KD1A0231	KARROTHU BHAVANI	Mr.B.Ram Vara prasad	Design And Analysis of Bidirectional Battery Charger with G2V, V2G, V2H Technologies	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Analysis	Optimizes energy use, promotes sustainability, ensures safety, ethical design, cost-efficiency, and compliance with standards
	18KD1A0241	MADENA NIHARIKA						
	19KD5A0213	KADAGALA ARAVIND KUMAR						
	18KD1A0235	KOVVADA SHANMUKHI						
8	18KD1A0211	BANDARUTHIRNA PRIYANKA	Mr.D.Narendra Kumar	Modelling and Simulation of PV - Wind Energy System Connected to Grid	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Analysis	Promotes renewable energy integration, ensures safety, ethical design, cost-efficiency, and compliance with grid standards.
	18KD1A0240	MADASU HARINI						
	19KD5A0220	MAMIDI JOHN SURESH						
	18KD1A0226	SURESH JAMMU						
9	18KD1A0230	KARRI VENKATA GANGADHAR	Mr. K. Shankar	Solar Powered Automatic Smart Irrigation System Using Moisture Sensors	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Control Systems	Application	Promotes sustainable agriculture, ensures safety, ethical design, cost-efficiency, and compliance with environmental irrigation standards.
	18KD1A0224	GURANA SAI TEJA						
	18KD1A0206	BAGGAM VENKATA SAI KISHAN						
	18KD1A0228	KANDI GANESH						

10	18KD1A0202	ALLU KARTHIK	Dr. M.Mangaraj	Thyristor Controlled Series Capacitor Supported DSTATCOM for Active Filtering	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Research	Improves power quality, ensures safety, ethical design, cost-effectiveness, and compliance with environmental and industry standards.
	18KD1A0219	GANGIREDLA SIVA JYOTHI						
	19KD5A0219	KORUKONDA JAYA SURYA						
	19KD5A0206	DALIBONI SEKHAR						
11	18KD1A0243	MALLEDA GNANESWARA	Mr. T. Karthik	Implementation of Speed Control of BLDC Motor Using Matlab/Simulink	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Electrical Machines	Research	Improves motor efficiency, ensures safety, ethical control, cost-effectiveness, and compliance with industry motor standards.
	18KD1A0213	CHANDAKABHANU VENKATESH						
	18KD1A0229	KARRI DEEPIKA						
	18KD1A0216	DANTHULURI SURYANARAYANA RAJU						
12	18KD1A0210	BANDARU PAVAN KUMAR	Dr. B. V. S. Acharyulu	Proportional Integral Derivative Plus Second order Derivative Controller for a Load Frequency Control of a Hybrid Power System	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.
	19KD5A0204	BUGATA GAYATRI						
	18KD1A0221	GORJA INDUMUKHI						
	18KD1A0215	CHINTHA SAIVANI						
13	18KD1A0223	GUNANA SANDEEP	Mrs. K. Anitha	Smart Energy Management Using IOT for Household Appliances	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Control Systems	Product	Promotes energy efficiency, ensures safety, ethical design, cost-effectiveness, and compliance with smart home standards.
	18KD1A0222	GOTTAPU SOMA SEKHAR						
	18KD1A0201	ADAPA SHIRISHA						
	18KD1A0212	SIVA SAI PRASANNA KUMARBETHA						
14	19KD5A0211	GEDELA JAGADEESH	Dr. B. V. S. Acharyulu	Grid Frequency Enhancement Using Co-ordinated action of Wind Unit With Redox Flow Battery in an Interconnected System	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Research	Enhances grid stability, promotes renewable energy, ensures safety, ethical design, cost-efficiency, and industry compliance.
	19KD5A0212	GUNDA RAKESH						
	19KD5A0202	ATTADA.NARAYANA SWAMY NAIDU						
	19KD5A0215	KANCHUBOYINA SAMPATH SAI						
15	18KD1A0225	IJJUROUTHU NEERAJA	Dr. K. Subbaramaiah	Five-Level one-Capacitor Boost	PO1, PO2,PO3, PO4,		Research	Enhances grid integration, promotes renewable energy,

	18KD1A0245	MANDA VENKATA LASYA PRIYA		Multilevel Inverter for Grid-Connected PV System	PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Electronics		ensures safety, ethical design, cost-efficiency, and compliance with standards.
	19KD5A0216	KATTOJU SYAM SUNDER CHANDRA MOULI						
	19KD5A0210	G JOGA RAO						
16	18KD1A0204	ATTADA ANIL KUMAR	Mrs. A.Praveena	Fool Proof Ticketing Management System for Railway	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Control Systems	Product	Improves safety, ensures ethical design, enhances efficiency, cost-effectiveness, and compliance with transportation standards and regulations.
	18KD1A0238	LATCHUPATHINI YOGITHA						
	18KD1A0205	BALAGA TIRUPATHI NAIDU						
	19KD5A0217	KOLLU BHARATH KUMAR						
17	18KD1A0278	VADAPALLI GOWTHAMI	Mr. T. Papinaidu	Compensation of Harmonics Produced by Diode Rectified based Loads Using AFPID Controller based DSTATCOM	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Research	Improves power quality, reduces emissions, ensures safety, ethical control, cost-effective, and adheres to industry standards
	18KD1A0281	VIYYAPU DIVYA						
	18KD1A0283	YADLA JANAKI						
	18KD1A0252	MURAPAKA TARUN SAI						
18	18KD1A0260	POTIPIREDDI SATISH	Mr.K.Dinesh	Control of Real Power and Reactive Power Flow With UPFC Connected in a Transmission Line	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Research	Enhances power system stability, ensures safety, ethical design, cost-effectiveness, and compliance with transmission standards.
	18KD1A0279	VADAPALLI VENKATQ SANDEEP KUMAR						
	18KD1A0285	YANDRAPU KAILASH						
	17KD1A0268	PAALIKA SUDHEER						
19	18KD1A0267	SATYAVARAPU NAVEEN KUMAR	Dr.Rohit Babu	Optimal Micro phasor Measurement Unit Placement for Complete observability of the Distribution System	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Research	Ensures grid reliability, enhances safety, ethical design, cost-effective, and compliance with energy monitoring standards.
	18KD1A0255	PALLI MADHUBALA						
	18KD1A0271	SINGUPURAPU CHANDRAKIRAN						
	18KD1A0263	PYLA SRI HARSHA						
20	18KD1A0280	VELCHURI VASUNDHARA	Dr.V.Naresh Kumar		PO1, PO2,PO3, PO4,		Research	Optimizes energy use, reduces costs, enhances grid

	18KD1A0247	MARISARLA PRAVEEN		Optimal Placement and Sizing of distribution Generation	PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems		stability, ensures safety, ethical design, and regulatory compliance.
	18KD1A0273	SUNKARI RAMANARAO						
	18KD1A0266	SABBI YOGESH						
21	18KD1A0265	REDDI CHIRUDEEPU	Dr.D.Ramesh	Reactive Power Compensation Using Vehicle to Grid Enabled Bidirectional off board EV Battery Charger	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Application	Enhances power quality, reduces emissions, ensures safety, cost-effective, ethical design, and meets grid standards.
	19KD5A0232	REVATHI KODITHALA						
	19KD5A0222	MOGAL HUSAIN						
	18KD1A0275	TALLAPUDI SAISANKAR						
22	18KD1A0258	POLAKI CHANDINI KRISHNA	Mrs. P. Janaki	Design and Control of Z-Source Inverter for Charging of Electric Vehicle Battery	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Electronics	Research	Promotes sustainable energy, reduces emissions, ensures safety, cost-effective charging, meets ethical standards and regulations.
	19KD5A0239	SURISETTI HEMANTH						
	18KD1A0274	SUVVADA SAIMANASA						
	19KD5A0234	SARAPATI SRAVANI						
23	19KD5A0221	MEESALA SATYANARAYANA	Mr.B.Sesha Sai	Load Frequency Control in Two Area Power system	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Research	Enhances grid stability, minimizes energy loss, ensures safety, reduces costs, and complies with standards.
	18KD1A0286	YEDUVAKA MAHESHBABU						
	18KD1A0276	TALLAPUDI SHYAM						
	19KD5A0226	POOSARLA VENKATA						
24	18KD1A0284	YANDAM YUVARAJU	Mr.K.Veda Prakash	Dual Axis Solar Tracking System	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Application	Improves energy efficiency, reduces environmental impact, complies with safety standards, and offers cost-effective renewable energy solutions.
	18KD1A0264	RAVADA RAGHU RAM						
	19KD5A0230	PULIVARTHI CHANDRASEKHAR						
	18KD1A0256	PENTA VAMSI KRISHNA						
25	18KD1A0282	VULLI VENKATA TARUN	Mr. K.Praveen Kumar Yada	Flexible Energy Control of EVS with PV Powered SRM Drive	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10,	Electrical Machines	Research	Enhances sustainable transportation, reduces carbon footprint, ensures safety, complies with
	18KD1A0254	PALLANTLA AISHANI						
	19KD5A0235	SATYAVARAPU SAIPRAVEEN						

	18KD1A0262	PYLA SAI			PO11, PO12,PSO1,PSO2			standards, and minimizes costs
26	18KD1A0257	SIREESHA PINNINTI	Dr.Rohit Babu	Vulnerable Bus Constrained PMU Placement in Interconnected Power Grids	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Research	Improves grid stability, enhances safety, reduces operational risks, ensures compliance, and minimizes environmental impact.
	18KD1A0251	MUKKA JEEVAN SAGAR						
	19KD5A0236	SEELAM MOUNIKA						
	19KD5A0242	YERRA DIWAKAR SIVA GANESH						
27	18KD1A0246	MANTRIPRAGADA ARCHANA	Mrs. K. Nagamani	IOT Based Under Ground Cable Fault Detector	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Control Systems	Application	Enhances safety, reduces repair costs, improves fault detection, ensures reliability, and complies with industry standards.
	18KD1A0261	PUDI SAI KUMAR						
	19KD5A0240	VELAVALAPALLI MANI						
	18KD1A0287	YETUKURI RAMA KRISHNA RAJU						
28	18KD1A0259	P SURENDRA SAI NADH DASARI	Mr. P. Shyam Kiran	Gesture Controlled Wheel Chair	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Control Systems	Application	Improves accessibility, ensures safety, promotes independence, reduces costs, meets medical standards, and benefits the environment.
	18KD1A0269	SIGADAPU PAVAN KALYAN						
	18KD1A0253	PALLA RISHI RAM NAIDU						
	19KD5A0228	PRAGADA BHANU PRAKASH						
29	18KD1A0270	SINGAMPALLI SUGUNA	Mrs.T.Sravya	Gsm Based Prepaid Electricity System Using Arduino	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Control Systems	Application	Promotes energy conservation, reduces wastage, ensures affordability, meets safety standards, and enhances user convenience.
	19KD5A0233	ROUTHU RAKESH KUMAR						
	19KD5A0238	SIRIGUDI HARIKA						
	19KD5A0224	PENTA NAVEEN KUMAR						
30	18KD1A0272	SUNKARA VENKATA SAI YOSHITHA	Mr.J.Vijay Chandra	Comparative analysis of maximum power point tracking techniques of a solar PV system	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10,	Power Systems	Research	Improves energy efficiency, reduces environmental impact, ensures safety, optimizes costs, and meets performance standards.
	18KD1A0277	TRIPARAGIRI LOKESH						
	19KD5A0241	VEMPADAPU HARSHINI						

	19KD5A0229	PUJARI RAJESWARI			PO11, PO12,PSO1,PSO2			
31	18KD1A0248	MOIDA GEETHANJALI	Mr.B.Ram Vara prasad	Solar wireless electric vehicle charging system	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Power Systems	Product	Promotes sustainability, reduces emissions, enhances safety, minimizes cost, follows ethical practices, and meets industry standards.
	18KD1A0249	MOPADA SONIA						
	19KD5A0227	POTTA SAIKRISHNA						
	18KD1A0268	SEELA GANESH						
32	18KD1A0250	MUDDADA NANDINI	Mr. U. Sri Anjaneyulu	IOT based smart farming system	PO1, PO2,PO3, PO4, PO5,PO6,PO7, PO8, PO9,PO10, PO11, PO12,PSO1,PSO2	Control Systems	Application	Improves resource efficiency, reduces environmental impact, enhances safety, ensures cost-effectiveness, and follows agricultural standards.
	19KD5A0223	NUNELA MOHANSAI						
	19KD5A0237	SIMHADRI VINOD						
	19KD5A0231	PULLETIKURTHI NAVEEN SAI						