MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
An Autonomous Institution
(Approved by AICTE, New Delhi &Affiliated to JNTUA, Anantapuram)
Department of Electrical & Electronics Engineering

PROJECT SUMMARY SHEET

ACADEMIC YEAR	:	**2023 -2024**
Total projects	:	56
Inhouse projects	:	46
Industrial projects	:	10
Best projects	:	30
Average Projects	:	16
Remarks	:	Completed Successfully

Project Coordinator
Dr. V B Thurai Raaj

HOD/EEE
Dr. A. V. Pavan Kumar

Head of the Department
Electrical & Electronics Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE - 517 325

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AY::2023-24

B. No.	Roll. No.	Name of the Student	Project Title	Name of the Guide
1	21695A02H5	VISWANATH PINNAM	Charging and Discharging Strategies of Lithium-Ion Battery with BMS Control	Dr. V. B. Thurai Raaj Asst. Professor
2	21695A02F3	T.V. SAI PUNITH	DESIGNING OF 200 KWP SOLAR ROOF-TOP PV SYSTEM	Dr. A. V. Pavan Kumar Professor & Head
	21695A0272	DURGAM NAGARJUNA		
3	21695A02H3	P. VINAY KRISHNA	Design and Manufacturing of LV and HV windings in Transformers	Dr. V. B. Thurai Raaj Asst. Professor
4	21695A0201	B. AJAY	Integrated MPPT controller of a PSMG-based Wind Turbine for Charging the battery	Dr. A. V. Pavan Kumar Professor & Head
	20691A0205	K. GANESH KUMAR		
	21695A0204	C. GEETHANJALI		
5	21695A02G5	N.SUPRIYA	FIRE FIGHTING ROBOT AND MONITORING SYSTEM IMPLEMENTED WITH IOT	Mr. M. Venkatesh Asst. Professor
	21695A02E2	D.NAGALAKSHMI		
	21695A02F9	T.SIVAKUMAR		
	21695A0255	K HARINI		
6	21695A0213	C.NANDINI	High Efficiency on Dc-Dc Boost converter with stacked capacitors for Renewable Energy Applications	Dr. T. S. Balaji Damodhar Asst. Professor
	21695A0236	CHAITHANYA K.		
	21695A0244	M.DASTAGIRI		
	21695A0206	B.KISHORE KUMAR		
	21695A0295	D.THARUN KANTH		
7	20691a0220	P.SANTHOSH	OPERATION OF THERMAL POWER PROJECT AND BOILER DRUM LEVEL CONTROL USING PID	Dr. T. S. Balaji Damodhar Asst. Professor
	20691a0229	G.UDAY SHANKAR REDDY		
	21695A02B0	PALEM ANUDEEP KUMAR REDDY		
8	21695A0262	KOLU.LAKSHMIPATHI	Batching plant with Self loading concrete mixer screw feeder	Dr. V. B. Thurai Raaj Asst. Professor

9	21695A0219	RAHUL. B	Installation and commissioning of plants machinery and wiring	Dr. V. B. Thurai Raaj Asst. Professor
	21695A0256	K HEMA SUNDAR		
10	21695A02F8	KASUKURTHI ARAVIND	Operation and Maintenance of 33/11 KV Substation	Dr. A. V. Pavan Kumar Professor & Head
	21695A0212	MURALI. A		
11	21695A0252	GNANENDRA	Enhancing Power Systems: From High Ripple to Low Ripple Circuits through Loop Configurations	Mr. Ramesh Kumar R Asst. Professor
	21695A02B3	Y BAYYAREDDY		
	21695A02A2	G VIJAY		
12	21695A0280	M.ROHINI	High Efficiency Energy Storage System using Super Capacitor Self Balancing Board	Dr. K. Arul Kumar Assoc. Professor
	21695A0290	J.SRAVANI		
	21695A0288	G.S.BHARATHI		
	21695A0228	B.SHIVA KUMAR		
13	21695A02C8	S. JAYA KIRAN	INTEGRATED THREE PHASE MULTIPORT CHARGER FOR G2V, V2G, V2H	Dr. A. V. Pavan Kumar Professor & Head
	21695A02D8	P.MAHESH BABU		
	21695A0276	L.PRATHYUSHA		
	21695A02G4	R.SUNILKUMAR		
14	21695A0223	B SAI HEMANTH	Exploring Different Bypass Diode Schemes for Photovoltaic Modules in Partial Shading Conditions: A Comprehensive Analysis	Mr. Saravanan. D Asst. Professor
	21695A0287	K SHANKAR		
	21695A02F0	T REHANA		
	21695A0203	B GANESH REDDY		
15	21695A02F6	S.SHAIKSHA VALI	Advanced Grid-Connected Hybrid Renewable System for EV Charging Optimization	Mr. Ibrahim Zafar Asst. Professor
	21695A0239	K.ASHRITHA		
	21695A0238	D.ARAVIND		
	21695A0247	G.DILEEP KUMAR		
16	21695A02B9	S. HARI PRASAD	Advanced Simulation and Modeling of Three-Phase Hybrid Electric Vehicle Chargers with Improved SOC, Voltage, and Current Using High Frequency Inverters	Ms. Revathy Gopinath Asst. Professor
	21695A02C3	S. HUSSAIN BASHA		
	21695A02H8	V. YUVARAJ		
	21695A0205	B. HAREESH		
17	20691A0222	B SETHU MADHAVA KUMAR	Modeling a PV-Wind-BESS Hybrid Power System for On and Off-Grid App	Ms. Revathy Gopinath Asst. Professor
	20691A0225	B SREELATHA		
	21695A0207	C LAXMI PRASANNA		
	20691A0213	K MANOJ KUMAR REDDY		

18	20691A0215	M NAVEEN KUMAR	Enhanced Three Phase power integration Analysing Hybrid Solar and Wind system in MATLAB	Mr. Sridhar. N Asst. Professor
	21695A0216	C N PALLAVI		
	21695A0220	A.RAJ KUMAR		
	21695A0217	A PRATHYUSHA		
19	21695A0296	K THARUN KUMAR	MACHINE LEARING BASED OPTIMIZATION TECHNIQUES FOR MINIMIZING POWER LOSSES IN DISTRIBUTION NETWORK	Mrs. K. Revathi Asst. Professor
	21695A0229	A SRAVYA		
	21695A0235	C VAMSI		
	21695A02I1	B PEDDAANIMI REDDY		
20	21695A0232	C TEJESWINI	A NOVEL HYBRID TLBO ALGORITHM FOR OPTIMAL AND COST-EFFECTIVE POWER GENERATION SCHEDULING	Mr. Ch Srinivas Asst. Professor
	21695A0225	C SATHISH KUMAR		
	21695A0210	B MALLIKARJUNA		
	21695A0209	C MAHESWARI		
21	21695A0289	G. SHARAN SAI REDDY	EFFICIENCY ANALYSIS OF VSC CONTROLLERS: DISCRETE PWM VS IMPROVED HYSTERESIS PWM FOR VOLTAGE SAG IMPROVEMENT IN GRID-CONNECTED HYBRID PV WIND SYSTEMS	Dr. A. V. Pavan Kumar Professor & Head
	21695A0267	E. MANASA		
	21695A02G1	V. SIVAJI		
	21695A02E4	V. NISHANTH ACHARI		
22	21695A0218	A PREMSAI	Enhanced Vehicle-to-Grid and Grid -to-Vehicle Efficiency: Implementing a Three-Level Inverter with IGBT Switches in DC Fast Charging Systems	Mr. E. Raghu Babu Asst. Professor
	21695A0230	D SREEKANTH		
	21695A02F2	R SAI KIRAN		
	20691A0212	MANI SWAROOP		
23	21695A0281	K. Sai Kiran Reddy	Enhancing Dynamic Voltage Restorer Efficiency with Fuzzy Logic Control:A Study on Response Time and THD Reduction	Mr. E. Raghu Babu Asst. Professor
	21695A02E9	S. Rajasekhar Yadav		
	21695A02H0	S.Venkata Karthik		
	21695A02E7	N.Preethi		
24	21695A02C7	P. JANARDHAN	Optimizing Hybrid renewable energy production through timed coordinationof PV -wind system	Dr. C. Kamal Basha Professor
	21695A0259	M. KARTHIK		
	21695A02G6	P. SURENDRA		
	21695A02A4	VISHNUVARDHAN		
25	21695A0215	A. PALLAVI	Development of Cost Effective & Low Heat Dissipation Grinding Machine	Dr. K. Arul Kumar Assoc. Professor
	21695A0231	C.SUPRAJA		
	21695A02B6	S.FARIDA		
	21695A02G7	T.SWATHI		

26	21695A0241	MOTUPALLI CHAITHANYA	Enhancing Power Quality in Hybrid Systems: Comparing the Effects of D-STATCOM and UPQC on THD Reduction	Dr. T. S. Balaji Damodhar Asst. Professor
	21695A0264	GUNTIKA LIKHITH RAMIREDDY		
	21695A02A0	M.VEERA MANOJ KUMAR		
	21695A0279	GUVVALAPALLI RAJESH		
27	21695A0253	MARTHALA GURU RAVI KUMAR REDDY	Integrating Fuel Cells inti Solar /Wind Hybrid systems for continuous power supply in EV charging stations	Dr. K. Lakshmikhandan Asst. Professor
	21695A02A1	M.VENKATA DURGA BHAVANI		
	21695A0298	KELUTH VAMSI NAYAK		
	21695A0268	M.MANI DEEPTHI		
28	21695A02B5	P.DIVYA SREE	Enhancing Grid-Integrated Renewable Energy Systems: Modelling and Performance Evaluation of Wind-PV-BESS Hybrid Power with PMSG Extension	Dr. V. B. Thurai Raaj Asst. Professor
	21695A02D0	O.KATHYAYINI		
	21695A02D3	Y.REDDY KUMARI		
	21695A02F7	V.SIREESHA		
29	21695A0274	M NIZAM VALLI	Enhanced power quality in smart grid implementing a three level converter in UPQC for reduced THD and Improved Performance	Mr. Sridhar. N Asst. Professor
	21695A0254	K.HARIHARAN		
	21695A02A3	M.VINAY KUMAR REDDY		
	21695A0257	KUSI HEMANTH		
30	21695A02D6	SK.MAHAMMAD SHAREEF	Advance Economic Load Dispatch In Powersystems A Hybrid Cuckoo Search Algorithm With Adaptive Parameter Control and Linear Regression	Mr. Ch Srinivas Asst. Professor
	21695A02D4	N.MABUPEERA		
	21695A02C9	YAPARLA KARTHIK REDDY		
	21695A02D2	RANGALA KIRAN KUMAR		
31	21695A0221	A RAMA KRISHNA REDDY	ANN BASED SCS (SUPERVISORY CONTROL SYSTEM) A GRID-CONNECTED MVDC MICROGRID WITH CHARGING STATIONS OF ELECTRIC VEHICLES	Mr. Saravanan. D Asst. Professor
	21695A0211	BHUMIREDDY MANJUNATH REDDY		
	21695A0237	DASARI VIGNESH		
32	21695A0246	K.DHARMENDRA	Enhancing Rural Electrification: Analysis of Wind, and PV Systems in Standalone Micro-Grids	Mr. G. Mallikarjuna Asst. Professor
	21695A0270	G.MANOJ KUMAR		
	21695A02A9	SAKIVELA ANANDA		
	21695A02G0	PIDTHALA SIVA		

33	21695A0277	J.PREETHI	Enhanced Grid-Connected Electric Vehicle Charging Station: Integration of MultiRenewable Sources with Fuel Cell and Battery for Improved SOC and Time Efficiency	Mr. E. Raghu Babu Asst. Professor
	21695A02D1	V.R.KAVYA		
	21695A02H6	N.YAVANIKA SAI		
	21695A02E3	R.NANDINI		
34	21695A0260	K KUDHAF	Enhanced Grid-Connected EV Charging: A Comparative Analysis of G2V & V2V Capabilities in Voltage, Current, and SOC Metrics	Mr. M. Venkatesh Asst. Professor
	21695A0233	C. THARUN		
	21695A0284	KUMMARA SASIDHAR		
	21695A0293	G.SURESH BABU		
35	21695A02F1	V.SAI BHARATH ACHARI	Advancing Grid Integration and Harmonic Reduction in PMSG-Based Wind Energy Systems: From DC Inversion to AC Load Management	Mr. Rajesh KS Asst. Professor
	21695A02H7	V.YOGESH KUMAR		
	21695A02B7	T.FAZIYA		
	21695A02E5	V.PAVAN KUMAR		
36	21695A02G8	R.V.JHANSI	Dual-Stage AC-DC Converter for Residential and Commercial DC Motor Control: Integrating Single-Phase and Three-Phase Systems	Mr. Ibrahim Zafar Asst. Professor
	21695A02I0	M.CHAITHANYA		
	18691A0269	N SAI VARUN		
	21695A0222	BOYALAKUNTA RAMYA		
37	21695A0258	KONDIBOINA JITHENDRA DATTA YADAV	Enhanced SoC Management in PV-Battery EV charging Systems	Mr. Ramesh Kumar R Asst. Professor
	21695A02A5	JAKKA YASWANTH		
	21695A02H4	THELAPHAILA VINAY RAI		
	21695A02C1	PASALA HARITHA		
38	21695A0273	JANGITI NANDEESWAR	A BIDIRECTIONAL WIRELESS POWER TRANSFER SYSTEM FOR ELECTRICAL VEHICLE TO HOME APPLIANCES	Mr. E. Raghu Babu Asst. Professor
	21695A0243	D.CHARAN KUMAR		
	21695A02H9	R SUKESH REDDY		
	21695A02F5	S.SAMEER BASHA		
	21695A0297	K.VAMSHIKRISHNA		
39	20691A0206	GOWTHAMI. R	Design and Fabrication of Compact Three Wheel Electric Vehicle	Dr. K. Arul Kumar
	20691A0202	CHANDESH. U		
	20691A0217	PAVAN KUMAR REDDY. P		
	20691A0203	CHANDINI. M		

40	21695A0291	SREENIVASULU. M	Design and Implementation of Smart Baggage Tracking System Using Arduino Uno	Mr. B. Vijayakumar
	21695A0282	SAI KIRAN. G		
	21695A0294	TEJITHA. J		
	21695A0245	DHARANI. B		
41	21695A02F4	SAILAJA. S	Solar Wireless Electric Vehicle Charging System	Mr. M. Venkatesh
	21695A0263	LAVANYA. K		
	21695A02G9	VEERANJANEYULU. N		
	21695A02C6	JAGAN MOHAN REDDY. P		
42	21695A02A7	ABDUL AZEEZ. S	Dual Controller Architectures for faulted Distributed generation	Dr. K. Lakshmikhandar
	21695A02D7	MAHAMMAD NYAMATHULLA. S		
	21695A0271	MUNI SWAMY. K		
	21695A02C0	HARINADHA. V		
43	21695A0286	SHAMITH SHANKAR. G. M	Enhanced Vehicle to Grid integration in Microgrid Using DC Fast Charging Architecture with ANFIS controlled THD and Noise Reduction	Mr. N. Sridhar
	21695A02G3	SREEKAR PRAMOD. Y		
	21695A02A6	YOGESH KUMAR REDDY. M		
	21695A0261	LAKSHMI. G		
44	20691A0207	IMRAN BASHA. P	DESIGNING A SOLAR PANEL CLEANING ROBOT	Dr. A V Pavan kumar
	20691A0216	NOORUSSABAH. R		
	20691A0219	SAI VIGNESH. K		
	20691A0226	SREENATH REDDY. D		
45	20691A0210	KARTHIK. M	ENERGY MANAGEMENT SYSTEM FOR SMALL-SCALE HYBRID WIND-SOLAR BATTERY-BASED MICROGRID	Mr. Ibrahim Zafar
	20691A0227	SUNIL KUMAR. P		
	20691A0223	SIDDESWAR REDDY. B		
	20691A0230	UMAPATHI REDDY. R		
46	21695A02B1	AYESHA. S	Mitigating Power Losses in Distribution Systems: Integrating EV Charging Stations and Renewable Energy Sources	Mr. Ch Srinivas
	21695A02E8	RAHAMATH ALI. T.S		
	21695A02A8	AHAMMAD. S		
	21695A02E0	MOHAN KRISHNA. Y		
	21695A02G2	SOWJANYA. T		
47	20691A0208	JYOSHI REDDY. V E	Solar powered electric vehicle with regenerative breaking and wireless charging	Mr. M. Venkatesh
	20691A0221	SAYED SAMEER. S		
	21695A0214	NISHANTH GOWD. D		
	21695A0224	SANJAYVISHNU. C. J		
	20691A0211	KISHORE. S		

48	21695A0226	SEKHAR. B	Design and Analysis of BLDC Motor-Based Electric Vehicle Using Fuzzy Logic Controller	Mr. R. RameshKumar
	21695A0208	LOKESH. B		
	21695A0266	MAHESH. N		
	21695A0265	MAHENDRA. M		
49	21695A0242	CHAKRADHAR REDDY. G	Frequency Control of Two Area Microgrids	Dr. Suman Yadav
	21695A0249	GANESH. G		
50	21695A02B8	GIRISH. P	Three phase Bidirectional PFC Converter for high efficiency EV Battery chargers	Mr. Rajesh KS
	21695A02C5	INDRASENA. R		
	21695A02D9	MANOJ KUMAR. N		
	21695A02B4	CHANDU VAMSI. P		
51	21695A0240	BHUVANESWAR REDDY. M	ENERGY MANAGEMENT STRATEGY FOR RENEWABLE MICROGRIDS WITH BATTERY STORAGE SYSTEMS	Dr. T. S. Balaji Damodhar
	21695A02B2	BALABAYAPU REDDY. V		
	21695A0278	RAGHU VAMSI. M		
	21695A02C2	HEMALATHA. R		
52	20691A0228	THIRUMALESWAR REDDY.P	INTELLIGENT SAFETY SYSTEM FOR AUTOMOTIVE VEHICLE DRIVERS	Dr. Lakshmikhandan
	20691A0214	MOHAN CHANDRA. O		
	21695A0202	DHANUNJAYA GUPTHA. A		
	21695A02H2	VIGNESWAR REDDY. R		
53	21695A0285	SHAIK THOWHIR. K	Railway track crack detection systrm using arduino microcontroller and using ultrasonic sensor	Mr. B. Vijayakumar
	21695A0248	DURGESH. K R		
	21695A0283	SANA. K		
	21695A0292	SUDHEER ACHARI. K		
	21695A0234	CHAMANTHI VAMSI KRISHNA		
54	21695A0251	GNANA PRANOJ KUMAR. D	Design and Simulation of a two stage standalone PV battery using two stage converter and VSG controller	Mr. B. Vijayakumar
	21695A0275	PRAKASH. K		
	21695A0250	GANGA SAI. M		
	21695A0299	VARUN KUMAR REDDY. K		
55	21695A02H1	VENKATESH. O	EV BMS with charge Monitor and fire protection	Dr. K. Lakshmikhandan
	21695A02E6	PRADEEP RAJ. P		
	21695A02D5	MADHU. P		
	21695A02C4	HUSSAIN BASHA. S		

56	20691A0204	DATHRI RAMANVITHA. B	MOTORIZATION OF IMPACT TESTING MACHINE FOR AGGREGATES	Dr. A V Pavan kumar
	20691A0201	BHUVANA. M		

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