



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

PROJECT SUMMARY SHEET

ACADEMIC YEAR	:	2025 -2026
Total projects	:	18
Inhouse projects	:	18
Industrial projects	:	NIL
Best projects	:	06
Average Projects	:	12
Remarks	:	Completed Successfully


Project Coordinator
Dr. V B Thurai Raaj


HOD/EEE
Dr. Manavaalan Gunasekaran

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

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE,
Department of Electrical and Electronics Engineering

AY 2025-26 Year-4-Sem -II

B. No	Roll No.	Name of the Student	Guide Name	Title of the Project
1	23695A0216	BYREDDY VISHNU VARDHAN REDDY	Dr. T. S. Balaji Damodhar	OPTIMIZATION AND CONTROL OF SMART ELECTRIC VEHICLE CHARGING SYSTEM
	22691A0216	SOMPALLE KALYANI		
	23695A0215	GORIGA VENKATA YASHWANTH		
	22691A0213	PALACHERUVU JAGADEESH BABU		
2	22691A0230	AVULA PUNYAVATHI	Dr. Satish Kumar Ramoji	A PHYSICS- GUIDED HYBRID DEEP LEARNIG FRAMEWORK FOR ACCURATE SOC,SOH,AND RUL ESTIMATION IN BATTERY MAMAGEMENT SYSTEM
	22691A0231	PALEPALLI RAKSHITHA		
	22691A0257	POOLA SABIHA		
	22691A0248	THAPPETA SUSHANTH		
3	23695A0201	DONGRI AKMAL HUSSAIN	Dr. K. Arul Kumar	HYBRID ADAPTIVE DYNAMIC VOLTAGE RESTORER FOR POWER QUALITY IMPPROVEMENT
	23695A0212	NUKANABOINA SAI REVANTH		
	22691A0254	PAMIDI VINAY KUMAR REDDY		
	22691A0253	MOTUPALLI VIJAY KUMAR		
4	23695A0207	MUTHYALA MEENAKSHI	Dr. C. Kamal Basha	INTERPRETABLE MACHINE LEARNING APPROACH FOR STATE OF HEALTH ESTIMATION IN LITHIUM-ION BATTERIES
	22691A0207	POREDDY CHANDANA		
	22691A0211	CHATLA GEETHA		
	22691A0210	MUDI GANESH		
5	23695A0203	BEERE GIRIJA	Dr. V. B. Thurai Raaj	SCENARIO-BASED PROFIT OPTIMIZATION OF A VIRTUAL POWER PLANT USING MILP AND CMA-ES
	23695A0214	S SAJIDA BANU		
	22691A0202	NAGIREDDYGARI AMRUTHA		
	22691A0244	MAKAM SIVA PRASAD		
6	22691A0203	VARIGONDA ANUHYA	Dr. R. Saravana Kumar	MINIMIZING GRID BURDEN WITH INTEGRATION OF ELECTRIC VEHICLES AND ENERGY STORAGE SYSTEMS
	22691A0251	KOLLI VARSHA		
	22691A0239	VADLA SANJANA		
	22691A0234	MAGANURU RESHMA		

7	23695A0213	SHAIK MOHAMMAD BASHA	Mr. Ch Srinivas	SURROGATE-GUIDED AFRICAN VULTURE OPTIMIZATION FOR PROJECTION- BASED COST AND EMISSION ECONOMIC LOAD DISPATCH IN POWER SYSTEMS
	22691A0252	VOOTUKURI VENKATA SIVA		
	22691A0221	MAGADI MOHAMMED PARVEZ		
	21691A0202	PATAN AJAD		
	21691A0232	RAVI TEHA K		
8	22691A0241	TANAKANTI SHRAVYA	Dr. K. Lakshmikhandan	OPTIMIZATION OF ELECTRIC VEHICLE CHARGING INFRASTRUCTURE USING ADAPTIVE LARGENEIGHBORHOOD SEARCH
	22691A0205	TALLA CHAITANYA LAKSHMI		
	23695A0206	MORUPURI MAHESH REDDY		
	22691A0209	AVULANNAGARI DINESH		
9	22691A0226	YEDDULA PALLAVI	Mr. Rajesh K S	BLOCK-CHAIN ENABLED GREY WOLF OPTIMIZATION FOR SECURE CAPCITOR PLACEMENT IN SMART DISTRIBUTION SYSTEMS
	22691A0238	S SANIYA MEERZA		
	22691A0217	SHAIK KHAJA BEE		
	22691A0218	GOLLA LAHARI		
10	22691A0206	BOJJA CHANDANA	Mr. M. Venkatesh	UNCERTAINTY- AWARE PROBABILISTIC QUANTILE ENSEMBLE FOR LITHIUM-ION BATTERY MANAGEMENT UNDER TEMPERATURE EFFECTS
	22691A0228	CHINTHALA PRATHYUSHA		
	22691A0235	KURUMANAPALLI		
	22691A0236	GANDIKOTA SAI CHARAN		
11	23695A0208	NEERUGANTI NARESH KUMAR REDDY	Mr. Sridhar. N	DEVELOPMENT OF DYNAMIC LINE RATING THROUGH UPQC CONTROL FOR ENHANCED GRID STABILITY
	22691A0233	GURRAMKONDA REDDYBASHA		
	22691A0245	BOLIGORLA SREENIVASULU		
	22691A0250	CHENNAM SETTI VAMSI		
12	22691A0204	ANNAPUREDDY CHAITHANYA KUMAR RED	Dr. Somu Vijaya Bhaskar	OPTIMIZED BIDIRECTIONAL DC-DC CONVERTOR CONTROLFOR V2V AND V2G ENERGY SHARING IN ELECTRICAL VEHICLES
	22691A0229	MANDYAM PRIYA		
	22691A0243	BUREPALLI SIREESHA		
	22691A0227	POOJARI PHANI		
13	22691A0225	NELAVANKA NIHANTH KUMAR	Dr. A. V. Pavan Kumar	AN EDGE-INTELLIGENT BATTERY PROTECTION AND MONITIRING SYSTEM
	22691A0223	AMMIREDDY NAGA VARDHAN REDDY		
	22691A0224	CHINTALA NAVYA SREE		
	22691A0240	SHAIK SHAHUL HUSSAIN		

14	22691A0214	SANABOINA JANARDHAN YADAV	Dr. Sovit Kumar Pradhan	A NEW TRASFORMER LESS HIGH GAIN DC-DC CONVERTER WITH DOUBLE SWITCH AND COMMON GROUND STRUCTURE
	22691A0215	JONNA JAYA SREE		
	22691A0212	SANKU HEMAGIRI		
	22691A0208	APPANNAGARI CHANDU		
15	23695A0204	VENNAPUSA LOKESH KUMAR REDDY	Dr. Vineet Kumar	OPTIMAL REGULATION OF HIGHER ORDER TIME DELAYED SYSTEM USING ENHANCED PREDICTIVE CONTROL
	23695A0211	SAREDDY RAKESH REDDY		
	23695A0202	KOTTAM ALLA BASHA		
	22691A0247	GAVVALA SURENDRA		
16	22691A0219	REGADI MADHURIMA	Mr. Ibrahim Zafar	A DATA-DRIVEN-EXPERT HYBRID MODEL FOR REAL-TIME BATTERY STATE OF HEALTH DIAGNOSTICS
	22691A0255	KENCHAPPA GARI YOGANANDA		
	22691A0220	TANGUTURI MOHAMMAD SADIQ		
	22691A0242	GOPIREDDY SINDHU SREE		
17	22691A0246	NANDAVARAM SUJANA	Mr. B. Karthick	MINIMIZATION OF POWER LOSS IN PV ARRAY RECONFIGURATION USING FRANKLIN MAGIC SQUARE TECHNIQUE UNDER PARTIAL SHADING CONDITIONS
	22691A0201	SHAIK AISHA		
	22691A0237	SHAIK SALEEHA		
	22691A0249	SHAIK THANVEER AHAMMED		
18	23695A0205	VADLA LOKESH	Mr. Ramesh Kumar R	OPTIMAL FORECASTING OF SOLAR PV AND WIND POWER GENERATION USING ENHANCED HHO ALGORITHM
	23695A0209	BHUMIREDDY POOJITHA REDDY		
	23695A0210	THUPAKULA PRADEEP		
	22691A0232	PAINENI,REDDY PRASAD		

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