



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

Student Project 2024-2025

Sl.no	Name of the student	Title of the paper	Guide
1	Abhilash R	Early Warning Farmland Monitoring System for Farmers	Dr.V.Sridevi
	Shayam Ganesh N		
	Suryakanth R		
2	P. Dhyaneshwar	Integration Of Battery Storage In Weak Power Grids For Improved Stability	Dr.D. Lakshmi
3	Mohammed Kaif	Hybrid Energy Powered Smart Maritime Obstacle Evasion and Propulsion Motor Control System Using PLC	Dr.R.Elavarasi
	Shahnawaz Khan		
	Sammar		
4	S. Sebovin	Induction motor driven EV using PV based Converter with optimized control approach	Dr R.K.Padmashini
	A. Jasuva Jenis Jovin		
	K. Harish		
5	R.K. Kavin	AI-Optimized approaches for efficient skin disease detection and classification	Dr.R.Karthick Manoj
	B. Tharun		
	Athul Krishna		
6	Muralidharan	Implementation of Renewable energy still by Nano	Mr.K.Manikandan
	Shanmuga raj		
	Rithik vignesh		
7	P. Joe James Serapin	Optimizing Renewable Energy Integration in Weak Grids Using DSTATCOM for Power Quality Enhancement	Mrs.R.Rajasree
	J.Likith		
	Siddharth Roy		

Mini Project 2024-2025

Sl.no	Name of the student	Title of the paper	Guide
1	C. Shamer Basha	ELECTRICAL VEHICLE BATTERY THERMAL MANAGEMENT SYSTEM	Dr.V.Sridevi
	S. Sanjeevi Kumar		
	A. Abishek		
2	S. Vishwas	DESIGN OF CONTROLLER FOR DISTRIBUTED ENERGY SYSTEM	Dr.D. Lakshmi
	A. Saman Singh		
	P. Navaneethan		
3	M. Maria Roshan	POWER GENERATION USING FOOT STEP AND CYCLE PEDAL	Dr.R.Elavarasi
	S. Hari Prasath		
	M. Ranjith		
4	S. Selvakumar	AI-BASED FAULT DETECTION IN 11 KV POWER LINES AT PORT SIDE	Dr.R.K.Padmashini
	L. Naveenkumar		
	M. Ganesan		
5	Bruhan Malik Deen	MULTIFUNCTIONAL DEEP SEA RESEARCH ROVER	Dr R.Karthick Manoj
	Gokul pandit R		
	Praveen		
6	R. Ashwin	IoT-BASED SMART HELMET FOR REAL-TIME ACCIDENT MONITORING AND EMERGENCY RESPONSE	Mr K.Manikandan
	I. Sivakumar		
	G. Amarnath		
7	Poswal khushi S	AUTOMATED SYSTEM FOR FAULT ANALYSIS IN INDUSTRIES USING GSM	Mrs.R.Rajasree
	M. Mohanraj		
	Aravindan		



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ENGINEERING

Design Project 2024-2025

Sl.no	Name of the student	Title of the paper	Guide
1	G. Kalai	ELECTRICAL VEHICLE BATTERY THERMAL MANAGEMENT SYSTEM	Dr.V.Sridevi
	M. Varun Kumar		
	S. Sri Sabari Bala Sakthi		
2	Govinda Raja Perumal R	IOT-ENABLED HOME AUTOMATION SYSTEM FOR ENHANCED COMFORT AND SECURITY	Dr.D. Lakshmi
	Sahaya Jabin Bijo J		
	Hemanth G		
3	Harris Christoper	DATA Analysis of POWER GENERATION USING FOOT STEP AND CYCLE PEDAL	Dr.R.Elavarasi
	A. Aravind Kumar		
	D. Arish Bala		
4	M. Adhavan	Home Automation using Solar Energy	Dr.R.K.Padmashini
	V. Ashwanth		
	P. Monish		
5	S. Sriman	LASER SECURITY ALARM USING IOT	Dr.R.Karthick Manoj
	D. Sakshi		
	S. Varshini		
6	Rakesh	SMART IOT-ENABLED DUAL SLOPE SOLAR STILL FOR REAL-TIME MONITORING AND EFFICIENCY OPTIMIZATION	Mr.K.Manikandan
	Manoj Kumar		
	Jeevi		
7	Veera Ganesh	Face Detection using C++	Mrs.R.Rajasree
	Kirubakaran B		
	Jignesh		
7	Deekshath	Face Detection using C++	Mrs.R.Rajasree
	Ansukh		
	Nikhil		
7	Zaid Ghani	Face Detection using C++	Mrs.R.Rajasree
	Arslan		
	Tejas		



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Student Project 2023-2024

SL. / BATCH NO	REG NO	NAME OF THE STUDENT	TITLE OF THE PROJECT	PROJECT GUIDE
1	AEE20016	JANA S	Performance Enhancement of 8/6 Switched Reluctance Motor Powered by Renewable Energy for Marine Propulsion Systems	MRS. G. JEGADEESWARI
	AEE20020	KARTHICK RAJ R		
2	AEE20011	CHETTIAR MUKESH KUMAR	PLC Based BLDC Motor Controller	DR.R.ELAVARASI
	AEE20037	SARABESWARAN M		
	AEE20033	PRAMITI ROY P R		
3	AEE20046	ZUBEN KALYAN	Novel Method of Generation of Green Hydrogen	DR.V.SRIDEVI
	AEE20042	SUDHARSAN G		



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Mini Project 2023-2024

S.NO	NAME	ROLL NO	TITLE	SUPERVISOR
1	R.ABHILASH	AEE21001	Smart Well Monitoring System Integrated with Iot In Agriculture	Dr.V.Sridevi
	R.MURALIDHARAN	AEE21010		
2	I.V.ATHUL KRISHNA	AEE21003	An Automated and Efficient Framework Of Skin Disease Dedection Using Machine Learning	Dr.R.Karthick Manoj
	R.K.KAVIN	AEE21007		
3	K.HARISH	AEE21004	Bio Inspired Algorithm Based Renewable Energy Conversion Using Reduced Switch MLI For Marine Propulsion System	Mrs.R.K.Padmashini
	M.SHANMUGARAJ	AEE21013		
4	P.JOE JAMES SERAPIN	AEE21006	Iot Based Monitoring and Recognition Systems For Onboard Ships	Dr.D.Lakshmi
	J.LIKITH	AEE21008		
5	MOHAMMED KAIF	AEE21009	Smart Life Jacket: Advanced Technique For Safety Of Seafarers	Dr.R.Elavarasi
	SAMMAR	AEE21016		
6	S.SEBOVIN	AEE21011	Fisherman Border Crossing Alert System Using Iot Sensors	Mrs.R.Rajasree
	JASUVA JENIS JOVINE	AEE21005		

7	M.M.RITHIK VIGNESH	AEE21017	Smart Irrigation System Using Iot Standby PV	Dr.S.Priya
	N.SHYAM GANESH	AEE21014		
8	SIDHARTH ROY	AEE21015	Analysis And Design of A Roof Top PV-Powered Electric Vehicle	Dr.Baldwin Immanuel
	SHAHNAWAZ KHAN	AEE21012		
9	P.DHYANESHWAR	AEE21018L	Luo Converter Based Solar Photovoltaic System Fed SRM for Marine Propulsion System	Mrs.G.Jegadeeswari
	R.SURYAKANTH	AEE21020T		
	B.THARUN	AEE21019L		



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Design Project 2023-2024

S.N O	NAME	ROLL NO	TITLE	SUPERVISOR
1	BRUHAN MALIK DEEN .A	AEC22005	REDESIGN OF SHIPPING CONTAINERS	Dr.R.Karthick Manoj
	PRAVEEN.C	AEC22022		
2	SELVA KUMAR .S	AEC22034	DROWSINESS DETECTION SYSTEM FOR CAR AND VEHICLE DRIVERS	Dr.R.Karthick Manoj
	ARAVINDAN.S	AEC22003		
3	ASHWIN.R	AEC22033	SMART CONTROL OF TRAFFIC LIGHT USING ARTIFICIAL INTELLIGENCE	Dr.D.Lakshmi
	SIVA KUMAR.I	AEC22027		
4	MOHAN RAJ	AEC22017	INDUSTRIAL AUTOMATION AND CONTROL	Dr.R.Karthick Manoj
5	ABISHEK	AEC22035	ANFIS BASED PWM CONTROLLED FOR A SOLAR POWERED THREE PHASE INDUCTION MOTOR FOR MARINE PROPLUSION	Dr.D.Lakshmi
	MARIA ROSHAN .M	AEE21016		
6	R.GOKUL PANDIT	AEC22009	MULTIFUNCTION DEEP SEA RESEARCH ROVER	Mrs.R.K.Padma shini
	G.SOORAJ	AEC22028		
7	SHAMER BASHA	AEC22037	SMART CONTAINER WITH IOT LOGISTICS ENVIRONMENT MOINTORING AND LOCATION TRACKING	Dr.T.Sasilatha
	HARI PRASANTH	AEC22013		
8	KHUSHI POSWAL	AEC22042	OPTIMIZING SOLAR TRANSPORTATION WITH AI DRIVEN ENERGY MANAGMENT	Dr.V.Sridevi

9	RANJITH	AEC22023	SMART MONITORING SYSTEM FOR SMALL SCALE WIND TURBING	Mrs.G.Jegadeeswari
	SANJEEVI KUMAR	AEC22026		
10	NAVEEN KUMAR	AEC22019	OCEANIC PLASTIC POLLUTION :MAPPING THE INVISIBLE THREAD	Mr.Manikandan
	THARUN KUMAR	AEC22029		
11	S.VISHAWS	AEC22036	AUTOMATIC ACCIDENT DETECTION AND RESCUE SYSTEM	Dr.R.Elavarasi
	P.NAVANEETHAN	AEC22018		
12	G.AMARNATH	AEC22001	WIRELESS EV CHARGING	Mrs.G.Jegadeeswari
	M.GANESAN	AEC22008		



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Student Project 2022-2023

Roll No.	Name of the Student	Batch No	Title of the Project	Supervisor	Category
AEE19009	Arun kumar G	I	INTEGRATING HYBRID RENEWABLE ENERGIES BY MODULAR MULTILEVEL INVERTER IN ON BOARD SHIP	Dr.T. Sasilatha,	APPLICATION DST Funded Project (In-house)
AEE19024	Nithin. R				
AEE19027	Sriraj. A				
AEE19002	Abhinav.V	II	PV BASED SINGLE -INPUT MULTIPLE OUTPUT TWO PHASE INTERLEAVED DC-DC CONVERTER	Dr. Baldwin Immanuel T	IMPLEMENTA TION
AEE19007	Anandu Madhav				
AEE19013	Basil saji				
AEE19022	Madhuban. M	III	AUTOMATIC CONTROL AND PERFORMANCE ENHANCEMENT OF MARINE DRIVES	Mrs.R.Elavarasi, Asst.Professor	RESEARCH TVS (Industry Supported)
AEE19021	Louice Paul. P				
AEE19032	Vinith. R				
AEE19003	ADITYA	IV	IMPLEMENTATION OF SOLAR STILL BY USING NANO PCM WITH IOT	Mr. K. Manikandan Asst.Professor	IMPLEMENTAT ION TNSCST – S&T Project Under DST/PRG Scheme (In- house)
AEE19014	Dharshini.S				
AEE19019	Jyothish.G J				
AEE19025	Nithish. P	V	A NEW OPTIMIZED TECHNIQUE FOR TUNING THE PI-CONTROLLER IN SWITCHED RELUCTANCE MOTOR DRIVES FOR SHIP PROPULSION SYSTEMS	Mrs.G.Jagade eswari,	RESEARCH VI Microsystems PVT Ltd (Industry Supported)
AEE19037L	Gopi. E				
AEE19038L	Naresh. S				
AEE19028	Syed Mohammad Salman				
AEE19010	ASWIN S	VI	LEAF DISEASE SEGMENTATION AND CLASSIFICATION USING CNN	Mr. Karthik Manoj.R	RESEARCH
AEE19012	AZAD SK				
AEE19018	IMMANUEL KUJUR				
AEE19023	Namala saket	VII	SEAFARERS PROTECTION SYSTEM IN ON BOARD SHIPS	Mr.J.S Ashwin	APPLICATION SKArduino (Industry Supported)
AEE19020	Sevuga perumal. K				
AEE19029	Uday kumar. R				



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Publications and Awards

S. NO.	NAME	REG. NO.	YEAR	EVENT NAME	DATE	PLACE
1	R.Rajasree Dr.D.Lakshmi P. Joe James Serapin J.Likith Sidarth roy	AEE21006 AEE21011 AEE21015	IV EEEM	IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
2	R. Karthick Manoj R.K. Kavim B. Tharun Athul Krishna	AEE21007 AEE21019L AEE21003		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
3	Abhilash R Shayam Ganesh N Suryakanth R Sridevi V	AEE21001 AEE21020T AEE21014		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
4	D. Lakshmi P. Dhyaneswar	AEE21018L		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
5	K. Manikandan, Rithik Vignesh, Muralidharan, Shanmugaraj	AEE21017 AEE21010 AEE21013		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
6	R. K. Padmashini S. Sebovin A. Jasuva Jenis Jovin K. Harish	AEE21011 AEE21005 AEE21004		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university

7	R Elavarsi Mohammed Kaif Shahnawaz Khan Sammar	AEE21009 AEE21012 AEE21016	III E&CE	IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
8	V. Sridevi C. Shamer Basha S. Sanjeevi Kumar A. Abishek	AEC22026 AEC22037 AEC22035		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
9	D. Lakshmi S. Vishwas A. Saman Singh P. Navaneethan	AEC22036 AEC22025 AEC22018		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
10	R. Rajasree Poswal khusi S M. Mohanraj Aravindan	AEC22042 AEC22017 AEC22003		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
11	Manikandan R. Ashwin I. Sivakumar G. Amarnath	AEC22033 AEC22027 AEC22021		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
12	R. Ilavarasi M. Maria Roshan S. Hari Prasath M. Ranjith	AEC22016 AEC22013 AEC22023		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
13	R. Karthick Manoj Bruhan Malik Deen Gokul pandit.R Praveen	AEC22005 AEC22009 AEC22022		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
14	R.K. Padmashini S. Selvakumar L. Naveenkumar M. Ganesan K.Tharun kumar	AEC22034 AEC22019 AEC22008 AEC22029		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university

15	V. Sridevi G. Kalai M. Varun Kumar S. Sri Sabari Bala Sakthi	AEC23035 AEC23071 AEC23066	II E&CE	IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
16	D. Lakshmi Govinda Raja Perumal R Sahaya Jabin Bijo J Hemanth G Harrish	AEC23024 AEC23063 AEC23026 AEC23025		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
17	R. Rajasree Nikhil Shailesh jethwa Arslan Mallick Surye Tejas Suresh Zaid Ghani	AEC23052 AEC23012 AEC23078 AEC23077		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
18	Manikandan Kirubakaran B Jignesh Vijay Kate Deekshath Ansukh Baitalik	AEC23039 AEC23032 AEC23018 AEC23007		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
19	R. Ilavarasi A. Aravind Kumar D. Arish Bala M. Adhavan V. Ashwanth	AEC23009 AEC23010 AEC23002 AEC23016		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
20	R. K. Padmashini P. Monish S. Sriman D. Sakshi S. Varshini	AEC23049 AEC23065 AEC23064 AEC23070		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
21	Karthick Manoj Rakesh Manoj Kumar Jeevidoss Veera Ganesh	AEC23056 AEC23042 AEC23031 AEC23073		IEI Sponsored IEI Sponsored Seminar on “Harnessing Solar energy for Sustainable Marine Development: Aligning with SDG 14”	19.02.2025	AMET deemed to be university
22	R.Gokul Pandit	AEC22009	III ECE	Drawing Competition	31.1.2025	AMET deemed to be university
23	M. MARIA ROSHAN	AEC22038	III ECE III ECE III ECE III ECE	INTERNATIONAL CONFERENCE ON INNOVATION AND TECHNOPRENEURSHIP ICIT2024	26.09.2024	ONLINE [INTI INTERNATIONAL UNIVERSITY (MALAYSIA)]
24	DHYANESHWAR	AEE21018L	IV EEEM	INTERNATIONAL CONFERENCE ON INNOVATION AND TECHNOPRENEURSHIP ICIT2024	25.09.2024	ONLINE [INTI INTERNATIONAL UNIVERSITY (MALAYSIA)]
	ABHILASH	AEE21001	IV EEEM			
	KAVIN	AEE21007	IV EEEM			
	SEBOVIN	AEE21011	IV EEEM			

	JOE JAMES SERAPIN	AEE21006	IV EEEM			
25	M. MARIA ROSHAN	AEC22038	III ECE	SMART INDIA HACKATHON 2024	04.09.2024	AMET UNIVERSITY
	A.BRUHAN MALIK DEEN	AEC22005	III ECE			
	M. RANJITH	AEC22023	III ECE			
			III ECE			
	R. ASHWIN	AEC22033	III ECE			
	M. MOHAN RAJ	AEC22017	III ECE			
	S. KHUSHI POSWAL	AEC22042	III ECE			
26	DHYANESHWAR	AEE21018L	IV EEEM	SMART INDIA HACKATHON 2024	04.09.2024	AMET UNIVERSITY
	THARUN	AEE21019L	IV EEEM			
	ABHILASH	AEE21001	IV EEEM			
			IV EEEM			
	KAVIN	AEE21007	IV EEEM			
	SEBOVIN	AEE21011	IV EEEM			
27	KIRUBAKARAN	AEC23039	II ECE	NCC(NATIONAL CAMP)		LONAVALA , MUMBAI EDWARD ELIOT’S BEACH
28	M. MARIA ROSHAN	AEC22038	III ECE	BEACH CLEANUP DRIVE	02.10.2024	
			III ECE			
	R. GOKUL PANDIT	AEC22009	III ECE			
29	M. MARIA ROSHAN	AEC22038	III ECE	SDG4ENERGY CONCLAVE 01	09.10.2024	ONLINE
	M. MARIA ROSHAN	AEC22038	III ECE			
	R. ASHWIN	AEC22033	III ECE			
	M. MOHAN RAJ	AEC22017	III ECE			
30	A.BRUHAN MALIK DEEN	AEC22005	III ECE	PLANTATION	26.09.2024	ECO PARK, PERUNGUDI
	S. SELVA KUMAR	AEC22034	III ECE			
	S. VISHWAS	AEC22036	III ECE			
	M. GANESAN	AEC22008	III ECE			
31	S. SELVA KUMAR	AEC22034	III ECE	IGEN ENVIRONTHON 2024 INAUGURATION	14.09.2024	IEI TNSC, CHEPAUK.
	R. GOKUL PANDIT	AEC22009	III ECE			
			III ECE			
	S. ARAVINDAN	AEC22003	III ECE			
		I.SIVAKUMAR	AEC22027			
32	S. SELVA KUMAR	AEC22034	III ECE	IEEE ADSF ONAM CELEBRATION	15.09.2024	St. THOMAS MOUNT
	R. GOKUL PANDIT	AEC22009	III ECE			
			III ECE			
	S. ARAVINDAN	AEC22003	III ECE			
	I.SIVAKUMAR	AEC22027	III ECE			
33	JOE JAMES SERAPIN	AEE21006	IV EEEM	PLANTATION	26.09.2024	ECO PARK, PERUNGUDI
	KAVIN	AEE21007	IV EEEM			
	SEBOVIN	AEE21011	IV EEEM			
	SHYAM	AEE21014	IV EEEM			
	RITHIK VIGNESH	AEE21017	IV EEEM			
34	M. MARIA ROSHAN	AEC23039	III ECE	PANEL SPEAKER IN “USES AND APPLICATIONS OF SOLAR ENERGY IN AGRICULTURE & FISHERIES”	25.05.2024	ANNA UNIVERSITY

