

**RAMCO INSTITUTE OF TECHNOLOGY****Department of Electronics and Communication Engineering****Academic Year: 2023- 2024 (Even Semester)****EC8811 Project Work**

<b>Sl. No.</b>	<b>Name of the Student</b>	<b>Title of the Project</b>	<b>Area of Project</b>	<b>Project Supervisor</b>	<b>Relevance of POs, PSOs</b>	<b>Remarks</b>
1	Aarathi S	Implementation of LEA block encryption algorithm to prevent security breaches in smart healthcare surveillance	Embedded System	G.Sivakumar	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Divyasri B					
2	Abhinaya M	Raspberry PI Based Bank Locker Security System with Live Image Authentication	Embedded system	S.Harini Sriram	PO1, PO2, PO3, PO4, PO5, PO6, PO9, PO10, PO11, PSO1,PSO2	Presented in International Conference
	Bharathi Lakshmi A					
3	Akila M	Convenient Car Parking Slot Reservation And Payment Through Online	IOT	G.Gnana Priya	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1,PSO2	Presented in International Conference
	Anusuya G					
4	Akshaya K	A Smart Hand Glove that Converts Gesture into Text & Speech to Assist the Mute People	Embedded system	P.Gunasekeran	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1,PSO2	Presented in International Conference
	Karthiga H					
5	Akshiya Rajasri B	Self banking biometric device for fingerprint and face detection with GSM technology for OTP.	IOT	R.Ramalakshmi	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1,PSO2	Presented in International Conference
	Gunaksha B R					

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6	Aparna K	Performance Analysis of Static and Dynamic CMOS circuits using Cadence	VLSI	Dr.R.Rajalakshmi	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1,PSO3	Presented in International Conference
	Bagavathi Gayathri S					
7	Arun Pragash K R	A Smart System for Accident Avoidance using Rapid Eye Motion Detection	Embedded System	E .Emerson Nithyaraj	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Madhavan P					
8	Ashokkumar R	Liver disease prediction using Machine Learning	IOT	L.Krishnakumari	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Kizhore Kumar S					
9	Azhagu Sundar M	Performance analysis Of Reconfigurable Intelligent Surface Assisted Non Orthogonal Multiple Access system	Wireless Communication	G.Subhashini	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO3	Presented in International Conference
	Madhan R					
10	M.Badri Chelva	Design and analysis of circular and elliptical antennas for UWB applications	Antenna	P.Venkatesh	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11,PSO1	Presented in International Conference
	Jeya Selva Karthickeyan L					
11	Dhameena Ismail S	Ensuring Secure Storage Mechanisms For Safeguarding	IoT	B.Kannan		

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	Lakshana S	Vehicle Information In The Container			PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11,PSO1,PSO2	Presented in International Conference
12	Dhinesh M	Design and Implementation of Electromyography (EMG) based Real-Time pattern for Prosthetic hand Control	Embedded System	A.Rameshbabu	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1,PSO2	Presented in International Conference
	Hariprasad N					
13	Dilip Kumar A	Increasing productivity by identifying defects in the nail-punching head	Embedded System	R.Chandralekha	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11,PSO1,PSO2, PSO4	Presented in International Conference
	Karuppasamy R					
14	Gokul R	Oil and Gas leakage detection and warning system	Embedded System	S.Jeeva	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11,PSO2	Presented in International Conference
	Haaris I					
15	Gokulpriya G	Rssi Based Border Range Alert And Native Harbor Guidance System For Boat Safety.	IOT	V.Srirenga Nachiyar	PO1, PO2, PO3, PO4, PO5,PO6, PO7, PO8, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Kirupa M					
16	Gowdham M	Efficient modelling of compact microstrip antenna using machine learning	Antenna	R.Ramasamy	PO1, PO2, PO3, PO4, PO5,PO6, PO7, PO8, PO9, PO10, PO11, PSO1	Presented in International Conference
	Hariharan M					
17	Gowtham P	Automated Infrared Transmitted Screen System and Steganography	Embedded System	Dr.A.Lakshmi		

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	Kaantha Vishnu K M	Techniques for Movie-Piracy Reduction			PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
18	Harish R	Design and analysis of miniaturized Microstrip patch antenna using SIW	Antenna	D.Gopinath	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PSO1	Presented in International Conference
	Manoj Prabhakaran K					
19	Jayasuriya B	Smart Wheel Chair Using Mobile Application And Neurosky Sensor For Disabled Person	Embedded system	Dr.C.Arunachala perumal	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Kamalesh J					
	Hariprasad R					
	Jackson E					
20	Jeyarudhra B	Skin Contact Wearable Textile Antenna	Antenna	R.Deivanayagam	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PSO1	Presented in International Conference
	Maha Vidhya V					
21	Kapil A	Real time college bus tracking system using web application	Embedded System	Dr.A.Lakshmi	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PSO1. PSO2	Presented in International Conference
	Karanan K					
22	Karthikeyan V	Advanced Accident Detection and Monitoring System for Rapid Emergency Response	IOT	Dr.S.Vairaprakash	PO1, PO2, PO3, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2	Presented in International Conference.
	Manikanda Prabhu A					
	Manikandan R					
	Nivas Kumar G					

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23	Midhun V S	Floor cleaning robot with android based voice command	IOT	Dr.S.Vairaprakash	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PSO2	Presented in International Conference
	Pondurai M					
24	Monica S	Autonomous diabetic retinopathy screening device for prediction and classification	Image processing	A.Lakshmi	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1	Presented in International Conference
	Suruthi S					
25	Muthu Meena M	Human following pet robot	Embedded system	Mrs.Krishna Meera	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Sanjogitha B					
26	Nagaraj T	IOT based contactless ATM	IoT	G.Gnana Priya	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Roshan Ram B					
27	Narendran S	ESN for Intrusion detection in federated machine learning	Networking	R.Ramalakshmi	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PSO1	Presented in International Conference
	Ramkumar R S					
	Padmesh D					
28	Naveena Lakshmi B	Compact UWB antenna with truncated structures for WBAN applications	Antenna	P.Venkatesh	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PSO1	Presented in International Conference
	Ramya Bharathi R					
	Sneha Asvini V					

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29	Neerathilingam K	Empowered Ecobin for Sustainable Waste Management through IOT	IOT	R.Deivanayagam	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PSO1 , PSO2	Presented in International Conference
	Rangith R					
30	Paranitharan V	Design and Development of test jig for automative system	Embedded System	B.Kannan	PO1, PO2, PO3, PO4, PO5,PO6, PO7, PO8, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Sri M					
31	Pradeep R	Automatic Adjustable Grain Storage Climate Control	IOT	Dr.S.Vairaprakash	PO1, PO2, PO3, PO4, PO5,PO6, PO7, PO8, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Vanaraj K					
32	Pradeep Kumar S	A New Swarm Optimization Based and Mobility-Aware Clustering Approach for the Internet of Vehicles	Networking	P.Gunasekeran	PO1, PO2, PO3, PO4, PO5,PO6, PO7, PO8, PO9, PO10,PO11, PSO1	Presented in National Conference
	Vinothkumar S					
	Yogarajkumar M					
33	Priyadharshni K	Performance Enhancement of Microstrip patch antenna using metamaterial cover	Antenna	D.Gopinath	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1	Presented in International Conference
	Sivaranjini M					
34	Raja Lakshmi L	Design and Implementation of an AI-Based Street Light System for Energy Saving and Security	IOT	Dr.A.Azhagu Jaisudhan Pazhani	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11,PSO1, PSO2	Presented in International Conference Published in Patent.
	Shakthi Sree M					

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35	Ramyadharshini J	Performance analysis of reconfigurable intelligent-surface assisted wireless systems	Wireless Communication	G.Subhshini	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO11, PSO1	Presented in International Conference
	Vaishnavi S					
36	Rathipraba Y	Area efficient Compressor based Approximate Multipliers with Error correcting Module	VLSI	A.Rameshbabu	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO3	Presented in International Conference
	Sudhaneshwari P					
37	Sanjaiguru S	CNN based intelligent automated sericulture monitoring system	Image Processing and Embedded systems	V.Srirenga Nachiyar	PO1, PO2, PO3, PO4, PO5, PO6, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Yuvaraaj N					
	Vairamuthu T					
38	Santhosh M	Automatic Vehicle Accident Detection and Instant Hospital Notification System powered by IOT	IOT	E.Emerson Nithyaraj	PO1, PO2, PO3, PO4, PO5, PO6, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Saran Kumar R					
39	Sivapriyaa M L	Iris-Triggered Alarm with Eye Blinking Mechanism for Wheel Chair	IOT	L.Krishnakumari	PO1, PO2, PO3, PO4, PO5, PO6, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Sriranjani D					
	Vidya R					
40	Sakthi CR	IoT enabled crop recommendation and agriculture field monitoring system	Image Processing	S.Harini Sriram	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference.
	Vimal Roy S M					
41	Shrinithi R	Wireless capsule Endoscopy bleeding images classification	Image Processing	S.Jeeva	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1	Presented in International Conference
	Sreejaa S					

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42	Sri Kusan A	A compact wideband circularly polarized antenna integrated with AMC for wireless applications	Antenna	R.Ramasamy	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1	Presented in International Conference
	Vijayan S					
43	Srinandhini Priya S	A Frequency Reconfigurable Patch Antenna for Sub 6GHz Applications	Antenna	Dr.C.Arunachalaperumal	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1	Presented in International Conference
44	Sudharsanakumar U	IOT Based Metropolitan Transport System using Computer Vision and Machine Learning	IOT	G.Sivakumar	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Uma Maheswaran K					
45	Vignesh Prabhu T	Pond surface cleaning robot	IOT	Dr.R.Rajalakshmi	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2	Presented in International Conference
	Arunkumar D					