Project Details: (2019-2023)

S.NO	Name of the Students	Project Title	Project Supervisor	Area of Specialization	Type of Project	Matching With stated POs & PSO's
1	ABI R NISHA.B SWARANADEVI V	Design and implementation of digital based wireless electronic notice board	Prof.C.Thamilarasi HoD/ECE	Wireless Communication	Cost	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO1
2	ABINAYA.K DEVADHARSHINI J PRIYADHARSHINI .M	Design and real time vision system using (ai) artificial intelligence	Prof.M.Deepa AP/ECE	Artificial Intelligence	Application	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO2
3	BALAJI M KALAIYARASAN S THAHIN KHAN IN	Design and implementation of a virtual key board with hand gesture control	Prof.S.Shanmugam ASP/ECE	Machine Learning	Cost	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO1
4	DHILIPAN M RAJESH S D VARSHAN A	Design and fabrication of the vehicle carbon emission monitoring system using wireless sensor network in toll gates.	Prof.M.Vinodhkumar AP/ECE	Wireless Sensor Network	Environment	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO1

5	DHYALAN C KARTHICK S SATHISH G	Design and implementation secured e-voting machine using opencv with deep learning	Prof.L.Prakasam AP/ECE	OpenCU Face recognition and RFID	Safety	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO2
6	DINESH KUMAR S JAYAKUMAR S PRASANTHKUMAR G	The design and implementation of suspect identification at borders through image processing	Dr.N.Dhasarathan ASP/ECE	Image processing	Safety & Application	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO1
7	GOKUL S PRAVEEN M SANJAI KUMAR S	Design and implementation of railway track fault detection and auto braking system using a convolutional neural network algorithm.	Dr.S.Leonard Gibson Moses ASP/ECE	Artificial Intelligence & Machine Learning	Safety	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO2
8	JAYASRI G SHOBANA SRI M VEDHA PRIYA K M	Design and implementation of face detection based baby swapping using HAAR cascade classifier algorithm.	Prof.M.Nandhini AP/ECE	Embedded System	Application	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO1
9	KAVILAIYA V LATHA S YAMINI R	Design and implementation of hybrid power monitoring system using solar panel and helical wind in highway	Prof.A.JothiAP/ECE	Embedded System (RES)	Cost	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8,PO9,PO10, PO11,PO12, PSO1

	Students	Title	Guide	Domain	Category	POs Mapped
10	KAVIYA S PAVITHRA V SWETHA S	Design and development of intelligent writing and speaking robot using speech processing	Prof.S.Kavipriya AP/ECE	Speech Processing	Application	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO2
11	KOMATHI M SUBASHINI S L ROOPASRI R	Design and implementation of illegal power usage of electricity detection based on wireless communication	Prof.M.Deepa AP/ECE	Wireless Communication	Safety	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO1
12	LAVANYA S PREETHI S VINOTHINI D	Design and development of vehicle monitoring system and automatic vehicle dim & brightness control using nrf24lo1 module	Prof.M.Sasikala AP/ECE	Wireless Communication	Cost	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO2
13	HARIHARAN A MADHAN S RAGUNATHAN P	Design and implementation of automatic attendance using qr code and laser detection in bus transportation	Prof.M.Sivagami AP/ECE	Artificial Intelligence, Wireless Network and Embedded	Application	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO1
14	MAHALAKSHMI S RAGAMALIGA D S SHABANA ASHMI M	Design to implement automatic detection of abnormal driving and speed control using YOLO algorithm	Prof.M.Thasmiah Dowlath AP/ECE	Artificial Intelligence (YOLO Algorithm)	Safety	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO1
15	MURALIDHARAN M NAVEENKUMAR V SUTHISH M UDHAYAKUMAR B	Design and implementation of a robust artificial neural network based student proctor and prognosticating	Prof.B.Almas AP/ECE	Machine Learning with Artificial Intelligence	Application	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO2

16	NAVEEN KUMAR S SRIDHAR S THIRUMALAI M	Design and development of smart helmet for live monitoring and rpm speed indication	Prof.K.Kalaiyarasi AP/ECE	Wireless Communication	Safety	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO1
17	INDHUMATHI A SNEGA A LOGASRI	Design and implementation of optic wireless communication system for mechanical transport.	Dr.K.Ramesh ASP/ECE	Wireless Optical Communication System	Application	PO1, PO2, PO3, PO4, PO5, PO6, PO7,PO8, PO9,PO10, PO11, PO12, PSO2

Project Details: (2018-2022)

S.NO	Name of the Students	Project Title	Project Supervisor	Area of Specialization	Type of Project	Matching With stated POs & PSO's
1	ISHWARYA K NAHEDA ANJUM F RAZIA SULTANA M R	Design And Development Of Automated Space Inspection Robot Using Artificial Inteligence	Prof.M.Nandhini	Artificial Inteligence	APPLICATION	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8, PO9,PO10, PO11,PO12,PSO2
2	SANGEETHA S SWEATHA P VARSHINI S	Design And Development Of Automatic Sanitary Napkins Vending And Incinaerator Machine With Trash Recycle	Prof.M.SASIKALA	EMBEDDED SYSTEMS.	**SAFETY**	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8,PO9,PO10, PO11,PO12,PSO1
3	JEEVITHA C RASHIGAPRIYA M VIDYA SREE K S	Design And Development Of High Speed Data Transmission Using Wireless Optical Communication	Prof.C.THAMILARASI	WIRELESS COMMUNICATION	APPLICATION	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8, PO9,PO10, PO11,PO12,PSO2
4	SATHIYA N DHANALAKSHMI M	Design And Implementation Of Smart Wearable Device For Women's Safety Using Artificial Intelligence	Prof.L.PRAKASAM	ARTIFICIAL INTELIGENCE	SAFTY	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8,PO9,PO10, PO11,PO12,PSO1

5	BRINDHA. R SANGEETHA . N C.SANGEETHA	Fabrication Of Fake Note Detection And Currency Counting Machine Using Image Processing Technique	Prof.A.JOTHI	EMBEDDED SYSTEMS.	COST	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8, PO9,PO10, PO11,PO12,PSO1
6	BOOMIKA. S JAGATHISHWARI C S.PAVITHRA	Design And Implementation Of An Intelligent System For Dehydration Detection Based On Machine Learning Algorithm	Prof.M.DEEPA	ARTIFICIAL INTELIGENCE	APPLICATION	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8, PO9,PO10, PO11,PO12,PSO2
7	PRIYA DHARSHINI A PRIYADHARSHINI J THENMOZHI A	Design And Development Of Aodv –Protocol For Collision Avoidance Using Tdma	Prof.G.SATHIYAVANI	WIRELESS COMMUNICATION	APPLICATION	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8, PO9,PO10, PO11,PO12,PSO2
8	ABIRAMI.R SNEGA V SANTHI.C	Design And Implementation Of Intelligent System For Generating Electricity From Food Wastes Using Internet Of Thinks	Prof.V.VENNILA	ARTIFICIAL INTELIGENCE	ENVIRONMENTAL	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8,PO9,PO10,PO11, PO12,PSO1
9	MADHUMITHA C SARULATHA M SONIYA S	Design And Fabrication Of Water Purifier Using Solar Energy	Prof.S.SHANMUGAM	EMBEDDED SYSTEMS.	ENVIRONMENTAL	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8,PO9,PO10,PO11, PO12,PSO1

10	BALACHANDAR. M DEEPAN MANJU. S. U GANAPATHI. S	Design And Implementation Of Automatic Deforestation Prediction And Alert System Using Artificial Intelligence	Dr.S.LEONARD GIBSON MOSES	ARTIFICIAL INTELIGENCE	APPLICATION	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8, PO9,PO10, PO11,PO12,PSO2
11	PRAGADEESH R VENKATESAN G VIGNESH N	Implementation Of Automatic Attendance Register And Monitoring Using Facial Landmark Algorithm	Prof.C.NARASIMMAN	COMMUNICATION NETWORKS	APPLICATION	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8, PO9,PO10, PO11,PO12,PSO2
12	MOHAN C MUNISH KUMAR M PRAKASH V	Design And Development Of Smart Phone Controlled 3d Printed Prosthrtic Leg Using Artificial Cramps Monitoring System	Prof.E.PUNITHA	ARTIFICIAL INTELIGENCE	SAFETY	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8,PO9,PO10, PO11,PO12,PSO1
13	KARUNAAKARAN M POOVENDHAN K VIGNESH S	Implementation Of Nvr Associated Cctv Camera With Secure Cloud Storage Based On Iot	Prof.B.ALMAS	NETWORK SECURITY	ENVIRONMENTAL	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8,PO9,PO10,PO11, PO12,PSO1
14	AKKASH. B. S ANBARASAN. K BASAVARAJ. B MUKESH R	Implementation Of Dvr Associated Cctv Camera With Real Time Monitoring In Workplace	Dr.K.RAMESH	EMBEDDED SYSTEMS.	ENVIRONMENTAL	PO1, PO2, PO3,PO4, PO5, PO6,PO7,PO8,PO9,PO10,PO11, PO12,PSO1

Project Details: (2017-2021)

S.NO	Name of the Students	Project Title	Project Supervisor	Area of Specialization	Type of Project	Matching With stated POs & PSO's
1	AJAY. S ELANSURIYAN. R PARTHIBAN C	Design and implementation of violence recognition and alert system in public meeting using artificial inteligence	C.Thamilarasi AP/ECE	ARTIFICIAL INTELLIGENCE	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
2	FAZEEL. R MOHAMEDMUYEEMUDDIN PARVEZ AHMED. A.R	Implementaion of cluster algorithm for detection swimmers drowning using wireless sensor networks	G.Sathiyavani AP/ECE	WIRELESS SENSOR NETWORKS	SAFETY	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3
3	DEEPAK .K ROHITH.S LOKESHWARAN. K SAMPATH M	Implementing a smart Atrophy Quarantine management system for urban area using Internet Of Things	S.Shanmugam ASP/ECE	INTERNET OF THINGS	ENVIRONMENT	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO10,PO11,PO12,PSO1,PSO2
4	BOOVANESHWARAO. S BALAJI. V ARUL PRASANTH. S	Design and implementation of Multi-Convolutional neural network across object regonition to visually impaired people	M.Thasmia Dowlath AP/ECE	IMAGE PROCESSING	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3

5	DHILEP . A GOKULNATHAN.M MUNIYAPPAN.P	Design and implementation of worm detection system using ANN	R.Elavarasi AP/ECE	IMAGE PROCESSING	SAFETY	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
6	DHAYALAN. R KARTHICK . K MANIKANDAN. K	Designing of underground water level controlling using Internet Of Things.	K.Kalaiarasi AP/ECE	INTERNET OF THINGS	ENVIRONMENT	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
7	GOWTHAM. A.K KARTHICK.R ANANTH. E	Analysis of rice grain extraction using digital image processing technique	L.Prakasam AP/ECE	IMAGE PROCESSING	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
8	NAGESHWARI. K MEENA. R KOKILAVANI. M	Implementation of artificial inteligence based system for detecting traffic violation using optical character regonition algorithm	G.SathiyavaniAP/ECE	ARTIFICIAL INTELLIGENCE	SAFETY	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
9	KARTHIGA. S KURALMOZHI.R ISHWARYA.B	Design and implementation of video analytics to detect the attention level of the class room students	M.Thasmia Dowlath AP/ECE	IMAGE PROCESSING	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3

10	DEEPIKA. G NANDHINI. D NIVETHA. L	Design and implementation of stolen laptop with mobile tracking and alert system using GPS and GSM module	M.Sasikala AP/ECE	WIRELESS COMMUNICATION	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
11	ISHWARYA. V JANANI. R DEVI PRIYA. S	Design of adaptive modulation technique for underwater acoustic orthogonal frequency division multiplexing communication	C.Thamilarasi AP/ECE	WIRELESS COMMUNICATION	COST	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
12	NITHYAPRIYA.S KIRUBAVATHI. VNITHYASRI.B	Design and implementation of a low complexity emergency ventilator and sensor for patients	K.Kalaiarasi AP/ECE	WIRELESS SENSOR NETWORKS	SAFETY	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
13	JOTHIKA N KALAIARASI. S YUOGAA MANSHA.P	Design and implementation of web based online door access control and home security system by face recognition in live video streaming	M.Nandhini AP/ECE	IMAGE PROCESSING	SAFETY	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
14	ARIVUMANI. R.G DHANALAKSHMI . M INDUMATHI. A	Design and wearable device for blind people to recognize the text using edge detection technique	R.Elavarasi AP/ECE	IMAGE PROCESSING	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
15	PAVITHRA. M POODEVI.V	Design and implementation of radix 8-booth multipliers in data path	L.Prakasam AP/ECE	VLSI	DESIGN	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO11,PO12,PSO1,PSO2,PSO3
16	PONKUMAR. TM	Design and implementation of Enhanced security for vending ration machine using facial	G.Sathiyavani AP/ECE	IMAGE PROCESSING	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PS

		recognition				O3
17	PRAKASH RAJ. P SASINDHIRAN. S PRAVEEN P.V SATHISH KUMAR.M SATHYA. K	Design and implement of smart wheel chair for physical disabled people by Artificial Intelligence	K.Kalaiarasi AP/ECE	ARTIFICIAL INTELLIGENCE	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3
18	PREETHI. S SOUNDARYA. S. VINITHASRI. M	Design and implementation of online attendance management system using open computer vision	C.Thamilarasi AP/ECE	EMBEEDED SYSTEMS	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3
19	PREMKUMAR.C YOGESHWARAN. K	Implementation of cyber physical system for real time interaction between physical and virtual objects	S.Shanmugam AP/ECE	IMAGE PROCESSING	SAFETY	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3
20	PRIYADHARASHINI. A SONA. M.A SRINITHI.S	Design and implementation of wireless charger for smart phone using inductive coupling	M.Nandhini AP/ECE	WIRELESS SENSOR NETWORKS	COST	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3
21	PRIYADHARSHINI. J SHALINI. M SNEGA. G	Detection and isolation of sinkhole attack using Ad-hoc on demand distance vector protocol in wireless sensor network	M.Nandhini AP/ECE	WIRELESS SENSOR NETWORKS	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3

22	PRIYADHARSHINI. M SUSMITHA. R	Design of cable fault detector to detect underground cable using Internet Of Things	R.Elavarasi AP/ECE	INTERNET OF THINGS	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3
23	RAMYA. G SAMRIN. T	Design and implementation of hybrid control of data processing and operating schemes for multi device using PLCC	C.Thamilarasi AP/ECE	EMBEDDED SYSTEM	DESIGN	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3
24	RHOHAN VIGNESH. S VIJAY. M	Design and implementation of medical application using drone	M.Sasikala AP/ECE	BIOMEDICAL	APPLICATION	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3
25	SIVANESH.S THANGADURAI. R VIGNESH. C	Design and implementation of anti-theft device for vechicle using long rang low power wireless platform	L.Prakasam AP/ECE	WIRELESS SENSOR NETWORKS	SAFETY	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3
26	SNEHA.A SWETHA . R VIJAYA LAKSHMI.S	Design and implementation of smart pill for medical field advancements	S.Shanmugam AP/ECE	BIOMEDICAL	SAFETY	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3
27	SOWMYA. P SUSMITHA. V VINITHA. D	Design and implementation of skin and brain cancer segmentation using deep learning by type specific sorting of images	M.Sasikala AP/ECE	IMAGE PROCESSING	SAFETY	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3

| 28 | VARUN . G VENKATESH. P VIJAY. C | Design and implementation hand gesture recognition robot using histogram of oriented gradients features | M.Thasmia Dowlath AP/ECE | IMAGE PROCESSING | DESIGN | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3 |