



CK COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE and Affiliated to Anna University)

Jayaram Nagar, Chellangkuppam, Cuddalore – 607 003.



Details of Research Inputs contributing to New Initiatives and Social Development

Name of the Dept	Title of the Project	Name of the Students Involved	Faculty Guide	Social Relevance/ New Initiatives
CIVIL	Study of Some Natural Coagulants in the Process of Flocculation for Water Treatment	R.Ezhilarasi G.Jayachitra E.Pavithra R.Priyanga	Dr.Arun V.Parwate	The Potable Water Supply Especially In Rural and Peri-Urban Areas of Developing Countries
CSE	Rational Automation and control of Electrical Appliances using Transceiver	Mr.Balaji M .Deeparajan N.Krishnamoorthy	Dr.R.Murugan	Home Automation
	Accident Prevention in Hairpin Bends and Curves Using Sensors	S.Praveen Jeffry P.Baranitharan P.Manivannan M.Mohamed Faizal.	Mr.B.Shajahan	Accident Prevention
	Auto- Accident Detection System Using 3G Network	V.Adithya A.Nandhini Nisha Anand G.Suganya.	Mr.D.Santha Kumar	Accident Prevention
	Bluetooth Controlled Robotic Vehicle based on Android	M.Elaiyathipan M.Santhana Bharathi M.Sivalingam. S.Vishnudevan.	Mr.D.Santha Kumar	Robotic Vehicle
	Lost Mobile Identification & Tracking Using MMS	R.Rajkumar P.Thamizhselvan J.Gowthaman I.Sathiya Narayanan	Mr.S.Rajasekar	Lost Mobile Identification
	Android Application for Bus Timings and Route Identification	A.Baranisanka. C.Chandrasekaran U.Mathanagopal T.Thiruvengada Vasan	Mr.S.Rajasekar	Bus Timings and Route Identification

	Soil Moisture Sensing using Raspberry Pi	S.Aarthi S.Arul Divya P.M .Diladas S.Poorvadevi	Mr.K.Ashiq Irphan	Soil Moisture
	Wireless Electronic Stethoscope Based on Zigbee	M.Pirathiban V.Pravinkumar A.Vignesh S.Vignesh	Mr.K.Ashiq Irphan	Wireless Electronic Stethoscope
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ECE	Smart Wireless Sensor Actuator System for Industrial Hazardous Gases Detection and Control	K.Kalaimani K.Kalairanjini J.Maheshwaran D.Malathi	Dr.N.Mahendran	Industrial Safety
	Study of Mobile Phone Antenna Sensitivity Tuning System	S.Dhivya V.Dharani S.Dineshkumar N.Hariprakash	Dr.N.Mahendran	Mobile Communication.
	Real Time 2.5 Dimensional Pointing Interaction for Object Based Navigation Using RGB-D Sensor	S.Sakthisri	Dr.N.Mahendran	Human Machine Interaction
	Automatic Accident Prevention and Severity Identification System For Automobiles	R.Deepa R.Bhuvaneshvari A.Ashokkumar S.Gopalakrishnan	Mrs.S.Famila	Accident Prevention
	Design of Human Machine Interface System Using Various Emotions Captured Through Biosensors	A.Sivaranjini	Mrs.S.Famila	Future Technology
	Design and Implementation of VGA on FRC FPGA Using VHDL	S.Yuvaraj	Ms.P.Jegadesh Wari	Future Technology
	Carrier Frequency offset Estimation in MIMO OFDM Systems	D.Kayalvizhi N.Nagavalli J.Arivazhagan M.Prasad.	Mr.K.Suresh Kumar	Communication Systems
	Automatic Measuring and Monitoring of RF Field Strength Characteristics	S.Mugilan	Mrs.D.Sengeni	Analysis of Cell Phone Tower RF Field Strength
	Optimization Through Artificial Neural Network	I. Farjanabegam E.Arthi	Mr.R.Ashraff	Waste Water Treatment Process

ECE	on a PLC for a Sludge Drying Plant	L.Nirmal Kumar S.Ramesh		
	Design and Implementation of Solar Power Water Quality Monitoring System Using WSN	P.Malathi. R.Ganagalakshmi S.Sengathir. DinojVargheese	Mr.P.Arul	Renewable Energy Systems
	GPS Based Sea Border Alert Navigation Guidance System	J.Thargeshwari T.Vidya M.Presenna. S.Kurungiselvan	Mrs.K.Lakshmi	Coastal Area Security System
	Real Time FPGA Based Fuzzy Controller for MPPT Photo Voltaic Systems	B.Suredarbalaji	Dr.Srinivasan Alavandar	Renewable Energy System

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ECE	A Pre and Post Dehazing Effect on Single Image	B.Nithya	Mr.C.Sri Venkates waran	Medical Imaging
	Automatic Multilevel Thersholding of Digital Images	J.Illavarasan	Mr.C.Sri Venkates waran	Medical Imaging
	Implementing and Improving the Performance of Actor Director Clustering Protocol in WSN	M.Sharmila	Mr.C.Sri Venkates waran	Medical Imaging
	Active Lighting Control for Vision Based Robotic Manipulation	M.Arthi K.Lakshmi Naranyanan P.Sathya S.Vasantha Rajan	Mr.R.Raman	Robotics
	Age and Gender Identification in Finger Printing	G.Dinakaran	Mr.P.Arul	Image Processing
	Solar Powered Robotic Vehicle With Optimal Battery Charging Using Smart Host Microcontroller	P.Baskar P.Esaivanan S.Selva Ganapthy A.Vinoth Kumar	Mr.R.Raman	Robotics

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ECE	Design and Development of Gas/Fire Fighting and Star Climbing Robot	S.Selvam M.Vijayan P.Arulilson. A.Vinoth Kumar	Mr.P.Arul	Fire Fighting System
	Semi Autonomous Detection of Roadway from Aerial Images	S.Saravanan	Ms.J.Raja Lakshmi	Autonomous System for Road Safety
	Design and Implementation of Wireless Brain Wave Stimulated Accident Prevention System	S.Dineshraj S.Prabakaran S.Sathish Kumar	Ms.P.Jegadehwari	Accident Prevent Systems
	Metropolitan Parking Vacancy Identification and Reservation Using Wireless Communication	R.Sivakumar	Mr.P.Arul	Autonomous Vehicle Parking System
	Wireless Aeronautical Crash Prevention System Using Embedded Microcontroller	T.C.AbinRaj Deepu jose Milvil Michael	Ms.D.Kani Mozhi	Aircraft Crash Preventing System
	Improved Performance of Colour Image Detection	V.Vallidevi	Ms.D.Sengeni	Medical Imaging
EE	Performance of Drivable Path Detection System of Autonomous Robot in Rain & Snow Scenario	Anandakumar.V Deepanraj.U Karthik.V Gnanaprakash.R	Mr.A.Sathish kumar	Fine path detection in Natural Disaster Occasion
	Design & Development of Hybrid power Generation Model Using Rain Water Solar & Wind Energy	Soundariya.R Anu.M Devisri.N Kiruthiga.K	Mr.K.Naveenkuma r	New Innovation in Power Generation.
	Design and Development of Wall Climbing Robot	Palanivel.D Prasath .C Vinothkumar.R Raja Sekar.P	Mr.A.Sathish kumar	Design of Wall Climbing Robot
	An Approach to Design of Child Rescue Machine for Child Trapped in Bore Well	Tamil Selvamani.S Mohamed Ali.M Prathiv.K Saranraj.M	Mr.N.Kamalakanna n	Bore Well Child Rescue Saving Robot
	Electronic Speaking Glove for Speechless Patients a Tongue to a Dumb	Karthik.K Mathivanan.D Sivaraj.T Vinothkumar.M	Mr.N.Kamalakanna n	Helpful for ICU Patients in Hospitals.

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EEE	Tracking & Control of Underwater Robot With Non-Linearity Inputs Using Neural Network	Prathipa.M Karthiga.S Sivaramakrishnan.S Porchselvan.M	Mr.A.Sathish kumar	Intelligent Robot for under water Nonlinear Surveillance
MECH	A Mechanical Cultivator With Harvester	Prabakaran.V Ravikumar.A Sriban.S Selvarani.B	Mr.K.Mallies Waran	Agriculture
	Design And Fabrication of Quad Copter for Agricultural Application	Dhanapal.M Dinesh.S Krishnakumar.R Mosinkhan.S	Mr.K.Mallies Waran	Agriculture
	Design and Fabrication of Fuel Tank for Detailed Digital Fuel Indicator DDFI	Ganeshbabu.k Jagadeesh.M Murali.M Samad Arbaazanjom	Mr.K.Mallies Waran	Human Comfort
	Design and Fabrication of Fast Fluid Atomizer by Solar Technology	Ashwin.U Athisavar.B Balaji.T Arunkumar.R	Mr.B.Raja Bharathi	Renewable Energy
	Design and fabrication of RO Water purifier using Bicycle	Gubendhran.p Manikandan.S Sriram.S Tamilselvan.S	Dr.G.Sasi Kumar	Pollution Control
	Performance Improvement in Vapour Compression System	Ahamed khan. L Dhamotharan. L Clement. C.j Syed ibrahim. A	Mr.S.Venu Gopal	Home Comfort
	Rejection Reduction in Two Wheeler Line Bajaj Carburetor	Arun lency. A Jayapragash. P Kannan. P Kathiravan. M	Mr.S.Vel Murugan	Pollution Control
MECH	Waste Heat Recovery from Exhaust Gases through IC Engine Using Thermoelectric Generator	Aneesh kumar. T Aravindhan. R Aravinth. S Manikandan. M	Mr.V.Senthilkumar	Renewable Energy Source
	Performance Analysis of Single Basin Solar Still	Amal varghese Anandhan. A Arul raj. A Manoj kumar. K	Ms.V.Eswari Thai	Sustainable Solar Energy

	Haptic Robotic Arm Using Voice and Gesture Recognition.	Arun krishnan. R Edison. S Infant raj. I Kannan. V.R	Mr.S.Panner Selvam	Human Comfort
	Performance and Emission Analysis of Biodiesel using Soyabean Oil	Elangovan. V Magesh. M Mohamed ali. K Mohanravi. S	Ms. S.Gaja Lakshmi	Energy Recovery
	Performance Analysis and Emission Analysis of Diesel Engine with Sun Flower Oil and Diesel Blends	Siva kumar. V Suresh. D Vel murugan. K Vijay kirishnan. R	Ms. S.Gaja Lakshmi	Pollution Control
	Analysis of Solar Collector with Drying Chamber for Grains	Damodhiran. N Keerthirajan. G Mohammed sabeerudeen. M Selva ganapathy. S	Mr.S.Paneer Selvam	Renewable Energy
	A Novel Technique for Pollution Control of Four Stroke Petrol Engine Using Aqua Silence	Nagaraj . R Pragatheeswaran . J Vanginathan . A Viswanathan . B	Mr.S.Paneer Selvam	Pollution Control
	Fabrication of solar Air cooler.	Akil.M.J Jibin.T.S Veeraiya.B Vetrivel.S	Mr.S.Venu Gopal	Renewable Energy
MBA	A Study on Empowerment of Rural Area Students in Receiving Education Loan and Analyzing Reasons for not Repaying them With Special Reference to Cuddalore	V. Rohini S.Dhandayuthapani	Ms.S.Uma Priyadharshini	Rural Students Educational Loan Repaying Capacity Analysis
	A Study on Impact of Activity Based Learning (ABL) Education System Related to Govt. Schools at Cuddalore	D.KrishnaKumar K. Pugazendhi	Mr.N.Nadana Murthy	Effectiveness Analysis of ABL Education System at Govt. Schools
	A Study on Investors' Perception towards Derivatives Market in Cuddalore Town	V. Gayathri	Mr. K.R.Ram prakash.	An Analysis on Investors Perception

	<p>A Study on Consumers Buying Behaviour Towards Handloom Products in Cuddalore Town</p>	<p>V. Arikrishnana</p>	<p>Dr.A.Ananth</p>	<p>An Analysis on Impact of Handloom Products among the consumers in Cuddalore Town</p>
	<p>A Study on customers Preference Towards DTH Service in Cuddalore Town</p>	<p>S.Gobinath</p>	<p>Mr.S.G.Suresh Rajan</p>	<p>An Analysis on Impact of Handloom Products among the consumers in Cuddalore Town</p>