Perspective Plan and Deployment Documents

S.NO	PARTICULARS	PAGE NO
1.	Research Publications	2
2.	Research Projects Received	45
3.	Patents published and granted	65
4.	Anna University Approved Research Centers	10

Dr. VADDI SESHAGIRI RAO, M.E., M.B.A., Ph.D.
PRINCIPAL
St. JOSEPH'S COLLEGE OF ENGINEERING
(AN AUTONOMOUS INSTITUTION)
OLD MAMALLAPURAM ROAD, CHENNAI-600 119.

Research Publications

Sl.No	Authors	Title	Year
1.	Janani R., Gurunathan B., K S., Varjani S., Ngo H.H., Gnansounou E.	Advancements in heavy metals removal from effluents employing nano-adsorbents: Way towards cleaner production	2022
2.	Karki B., Vasudevan B., Uniyal A., Pal A., Srivastava V.	Hemoglobin detection in blood samples using a graphene-based surface plasmon resonance biosensor	2022
3.	Prabu D., Kumar P.S., Rathi B.S., Sathish S., Anand K.V., Kumar J.A., Mohammed O.B., Silambarasan P.	Feasibility of magnetic nano adsorbent impregnated with activated carbon from animal bone waste: Application for the chromium (VI) removal	2022
4.	Sivaranjanee R., Senthil Kumar P., Saravanan R., Govarthanan M.	Electrochemical sensing system for the analysis of emerging contaminants in aquatic environment: A review	2022
5.	Kadry S., Rajinikanth V., Taniar D., Damaševičius R., Valencia X.P.B.	Automated segmentation of leukocyte from hematological images—a study using various CNN schemes	2022
6.	Senthil Rathi B., Senthil Kumar P.	Sustainable approach on the biodegradation of azo dyes: A short review	2022
7.	Cholapandian K., Gurunathan B., Rajendran N.	Investigation of CaO nanocatalyst synthesized from Acalypha indica leaves and its application in biodiesel production using waste cooking oil	2022
8.	Babu S.Z.D., Pandey D., Naidu G.T., Sumathi S., Gupta A., Bader Alazzam M., Pandey B.K.	Analysation of Big Data in Smart Healthcare	2023
9.	Pathania V., Babu S.Z.D., Ahamad S., Thilakavathy P., Gupta A., Alazzam M.B., Pandey D.	A Database Application of Monitoring COVID-19 in India	2023

10.	Rajendran N., Kang D., Han J., Gurunathan B.	Process optimization, economic and environmental analysis of biodiesel production from food waste using a citrus fruit peel biochar catalyst	2022
11.	Shobanadevi A., Tharewal S., Soni M., Kumar D.D., Khan I.R., Kumar P.	Novel identity management system using smart blockchain technology	2022
12.	Akshay Kumaar M., Samiayya D., Vincent P.M.D.R., Srinivasan K., Chang C.-Y., Ganesh H.	A Hybrid Framework for Intrusion Detection in Healthcare Systems Using Deep Learning	2022
13.	Murugesan G., Ahmed T.I., Bhola J., Shabaz M., Singla J., Rakhra M., More S., Samori I.A.	Fuzzy Logic-Based Systems for the Diagnosis of Chronic Kidney Disease	2022
14.	Vijayanand G., Augustine A., Ananda Natarajan V., Srinivasa Raman V., Mohanavel V., Christopher D.	Emission reduction technique on existing diesel engines using renewable fuels	2022
15.	Rangabashiam D., Jayaprakash V., Ganesan S., Christopher D.	Investigation on the performance, emission and combustion pattern of research diesel engine fueled with higher alcohol and pongamia biodiesel blends	2023
16.	Rathi B.S., Kumar P.S., Parthiban R.	A review on recent advances in electrodeionization for various environmental applications	2022
17.	Vijayakumar K., Rajinikanth V., Kirubakaran M.K.	Automatic detection of breast cancer in ultrasound images using Mayfly algorithm optimized handcrafted features	2022
18.	Thodda G., Madhavan V.R., Thangavelu L.	Predictive Modelling and Optimization of Performance and Emissions of Acetylene Fuelled CI Engine Using ANN and RSM	2023
19.	Rangabashiam D., Jayaprakash V., Ganesan S., Nagaraj M., Rameshbabu A.	Emission, performance, and combustion study on nanoparticle-biodiesel fueled diesel engine	2023

20.	Kumar N., Natrayan L., Kasirajan G., Kaliappan S., Raj Kamal M.D., Patil P.P., Chewaka M.D.	Development of Novel Bio-mulberry-Reinforced Polyacrylonitrile (PAN) Fibre Organic Brake Friction Composite Materials	2022
21.	Murugesan G., Ahmed T.I., Shabaz M., Bhola J., Omarov B., Swaminathan R., Sammy F., Sumi S.A.	Assessment of Mental Workload by Visual Motor Activity among Control Group and Patient Suffering from Depressive Disorder	2022
22.	Patel S.K., Udayakumar A.K., Mahendran G., Vasudevan B., Surve J., Parmar J.	Highly efficient, perfect, large angular and ultrawideband solar energy absorber for UV to MIR range	2022
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25.	Senthil Rathi B., Senthil Kumar P., Rangasamy G., Rajendran S.	A critical review on Biohydrogen generation from biomass	2022
26.	Saravanakumar K., Park S., Santosh S.S., Ganeshalingam A., Thiripuranathar G., Sathiyaseelan A., Vijayasarathy S., Swaminathan A., Priya V.V., Wang M.-H.	Application of hyaluronic acid in tissue engineering, regenerative medicine, and nanomedicine: A review	2022
27.	Kadry S., Rajinikanth V., González Crespo R., Verdú E.	Automated detection of age-related macular degeneration using a pre-trained deep-learning scheme	2022
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29.	Khan S., Saravanan V., Gnanaprakasam C.N., Lakshmi T.J., Deb N., Othman N.A.	Privacy Protection of Healthcare Data over Social Networks Using Machine Learning Algorithms	2022
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32.	Abdi Alkareem Alyasseri Z., Alomari O.A., Al-Betar M.A., Awadallah M.A., Hameed Abdulkareem K., Abed Mohammed M., Kadry S., Rajinikanth V., Rho S.	EEG Channel Selection Using Multiobjective Cuckoo Search for Person Identification as Protection System in Healthcare Applications	2022
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34.	Madhu S., Lionus Leo G.M., Prathap P., Devarajan Y., Jayabal R.	Effective utilization of waste pork fat as a potential alternate fuel in CRDI research diesel engine – Waste reduction and consumption technique	2023
35.	Malla S.G., Malla J.M.R., Malla P., Ramasamy S., Doniparthi S.K., Sahu M.K., Subudhi P.K., Awad H.	Coordinated power management and control of renewable energy sources based smart grid	2022
36.	Arun K., Venkata Ramanan M., Mohanasutan S.	Comparative studies and analysis on gasification of coconut shells and corn cobs in a perforated fixed bed downdraft reactor by admitting air through equally spaced conduits	2022
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38.	Saravanakumar K., De Silva S., Santosh S.S., Sathiyaseelan A., Ganeshalingam A., Jamla M., Sankaranarayanan A., Veeraraghavan V.P., MubarakAli D., Lee J., Thiripuranathar G., Wang M.-H.	Impact of industrial effluents on the environment and human health and their remediation using MOFs-based hybrid membrane filtration techniques	2022
39.	Saravanakumar K., SivaSantosh S., Sathiyaseelan A., Naveen K.V., AfaanAhamed M.A., Zhang X., Priya V.V., MubarakAli D., Wang M.-H.	Unraveling the hazardous impact of diverse contaminants in the marine environment: Detection and remedial approach through nanomaterials and nano-biosensors	2022
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43.	Selvaraj S., Kumar A.R., Ahilan T., Kesavan M., Serdaroglu G., Rajkumar P., Mani M., Gunasekaran S., Kumaresan S.	Experimental and Theoretical Spectroscopic Studies of the Electronic Structure of 2-Ethyl-2-phenylmalonamide	2022
44.	Pradeep K., Ali L.J., Gobalakrishnan N., Raman C.J., Manikandan N.	CWOA: Hybrid Approach for Task Scheduling in Cloud Environment	2022
45.	Raghavendra U., Gudigar A., Rao T.N., Rajinikanth V., Ciaccio E.J., Yeong C.H., Satapathy S.C., Molinari F., Acharya U.R.	Feature-versus deep learning-based approaches for the automated detection of brain tumor with magnetic resonance images: A comparative study	2022
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49.	Radhika S., Albu F., Chandrasekar A.	Robust Exponential Hyperbolic Sine Adaptive Filter for Impulsive Noise Environments	2022
50.	Ross N.S., Ganesh M., Srinivasan D., Gupta M.K., Korkmaz M.E., Krolczyk J.B.	Role of sustainable cooling/lubrication conditions in improving the tribological and machining characteristics of Monel-400 alloy	2022
51.	Karthik C., Punnaivalavan K.A., Prabha S.P., Caroline D.G.	Multifarious global flora fabricated phytosynthesis of silver nanoparticles: a green nanoweapon for antiviral approach including SARS-CoV-2	2022
52.	Chinnappa K., Karuna Ananthai P., Srinivasan P.P., Dharmaraj Glorybai C.	Green synthesis of rGO-AgNP composite using Curcubita maxima extract for enhanced photocatalytic degradation of the organophosphate pesticide chlorpyrifos	2022
53.	Manikandan N., Divya P., Janani S.	BWFSO: Hybrid Black-widow and Fish swarm optimization Algorithm for resource allocation and task scheduling in cloud computing	2022
54.	Sangeetha B., Mohana Priya S., Pravin R., Tamilarasan K., Baskar G.	Process optimization and technoeconomic assessment of biodiesel production by one-pot transesterification of Ricinus communis seed oil	2023
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61.	Sathendra E.R., Praveenkumar R., Gurunathan B., Chozhavendhan S., Jayakumar M.	Refining lignocellulose of second-generation biomass waste for bioethanol production	2022
62.	WeiKoh J.E., Rajinikanth V., Vicnesh J., Pham T.-H., Oh S.L., Yeong C.H., Sankaranarayanan M., Kamath A., Bairy G.M., Barua P.D., Cheong K.H.	Application of local configuration pattern for automated detection of schizophrenia with electroencephalogram signals	2022
63.	Sheeba A., Padmakala S., Subasini C.A., Karuppiah S.P.	MKELM: Mixed Kernel Extreme Learning Machine using BMDA optimization for web services based heart disease prediction in smart healthcare	2022
64.	Ganesh M., Natesan A.	Effect of cryogenic cooling in deep hole drilling process–a stride in the direction of green manufacturing	2022
65.	Lionus Leo G.M., Murugapoopathi S., Thodda G., Baligidad S.M., Jayabal R., Nedunchezhiyan M., Devarajan	Optimisation and environmental analysis of waste cashew nut shell oil biodiesel/cerium oxide nanoparticles blends and	2023

	Y.	acetylene fumigation in agricultural diesel engine	
66.	Naveenkumar R., Iyyappan J., Pravin R., Kadry S., Han J., Sindhu R., Awasthi M.K., Rokhum S.L., Baskar G.	A strategic review on sustainable approaches in municipal solid waste management and energy recovery: Role of artificial intelligence, economic stability and life cycle assessment	2023
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68.	Indhumathi R., Narmadha T.V., kurunathan H.	Hybrid pixel based method for multimodal image fusion based on Integration of Pulse Coupled Neural Network (PCNN) and Genetic Algorithm (GA) using Empirical Mode Decomposition (EMD)	2022
69.	V A.K., S A., K M.	Experimental and computational study of melting phase-change material for energy storage in shell and tube heat exchanger	2022
70.	Rathi B.S., Kumar P.S.	Continuous electrodeionization on the removal of toxic pollutant from aqueous solution	2022
71.	Rajinikanth V., Kadry S., Damasevicius R., Gnanasoundharam J., Abed Mohammed M., Glan Devadhas G.	UNet with Two-Fold Training for Effective Segmentation of Lung Section in Chest X-Ray	2022
72.	Kiran V.S., Shanmugam V., Raju R.K., Kanagasabapathy J.R.	IMPACT OF HUMAN CAPITAL MANAGEMENT ON ORGANIZATIONAL PERFORMANCE WITH THE MEDIATION EFFECT OF HUMAN RESOURCE ANALYTICS [IMPACTO DE LA GESTIÓN DEL CAPITAL HUMANO EN EL RENDIMIENTO DE LA ORGANIZACIÓN CON EL EFECTO DE MEDIACIÓN DE HUMAN RESOURCE ANALYTIC] [IMPACTO	2022

		DA GESTÃO DO CAPITAL HUMANO NO DESEMPENHO ORGANIZACIONAL COM O EFEITO DE MEDIAÇÃO DA ANÁLISE DE RECURSOS HUMANOS]	
73.	Daniel J., Rose J.T.A., Vinnarasi F.S.F., Rajinikanth V.	VGG-UNet/VGG-SegNet Supported Automatic Segmentation of Endoplasmic Reticulum Network in Fluorescence Microscopy Images	2022
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75.	Yang J., Konsalraj J., Raja S A.A.	Neighbourhood Sum Degree-Based Indices and Entropy Measures for Certain Family of Graphene Molecules	2023
76.	Lakshmi B.M., Mathew M., Kinol A.M.J., Vedagiri B., Perumal S.B., Madhu P., Dhanalakshmi C.S.	An integrated CRITIC-TOPSIS-and Entropy-TOPSIS-based informative weighting and ranking approach for evaluating green energy sources and its experimental analysis on pyrolysis	2022
77.	Sivaranjanee R., Kumar P.S., Mahalaxmi S.	A review on agro-based materials on the separation of environmental pollutants from water system	2022
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	Arunkumar N.	steel under centreless grinding	
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83.	Baligidad S.M., T A., Thodda G., Elangovan K.	Fabrication of HAp/rGO nanocomposite coating on PEEK: Tribological performance study	2023
84.	Ravichandran P., Rajendran N., Al-Ghanim K.A., Govindarajan M., Gurunathan B.	Investigations on evaluation of marine macroalgae Dictyota bartayresiana oil for industrial scale production of biodiesel through technoeconomic analysis	2023
85.	Khan S., Ch V., Sekaran K., Joshi K., Roy C.K., Tiwari M.	Incorporating Deep Learning Methodologies into the Creation of Healthcare Systems	2023
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87.	Siva M., Arunkumar N., Subramanian M., Elakkiyadasan R.	Influence of micro-electrical discharge machining parameters on the surface morphology of the nickel-coated electrode	2023
88.	Oliver A.S., Ganesan K., Yuvaraj S.A., Jayasankar T., Sikkandar M.Y., Prakash N.B.	RETRACTED ARTICLE: Accurate prediction of heart disease based on bio system using regressive learning based neural network classifier	2022
89.	Karthik C., Caroline D.G., Pandi Prabha S.	Nanochitosan augmented with essential oils and extracts as an edible antimicrobial coating for the shelf life extension of fresh	2022

		produce: a review	
90.	Pasupathi A., Konsalraj J., Fatima N., Velusamy V., Mlaiki N., Souayah N.	Direct and Fixed-Point Stability–Instability of Additive Functional Equation in Banach and Quasi-Beta Normed Spaces	2022
91.	Maheswari B.U., Rajakumar M.P., Ramya J.	Dynamic differential annealing-based anti-spoofing model for fingerprint detection using CNN	2022
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93.	Chozhavendhan S., Karthigadevi G., Praveenkumar R., Aniskumar M., Jayakumar M., Gurunathan B.	Potentials and challenges in biodiesel production from algae—technological outlook	2022
94.	Raamesh L., Jothi S., Radhika S.	Enhancing Software Reliability and Fault Detection Using Hybrid Brainstorm Optimization-Based LSTM Model	2022
95.	Sathishkumar N., Selvam R., Kumar K.M., Abishini A.H., Rahman T.K., Mohanaranga S.	Influence of garnet abrasive in drilling of Basalt–Kevlar–Glass fiber reinforced polymer cross ply laminate by Abrasive Water Jet Machining process	2022
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		biomass of marine macroalgae Ulva lactuca	
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109.	Muninathan K., Venkata Ramanan M., Baskar G., Rajendran N.	Biodiesel Production from Sapindus Trifoliatus oil using Mg doped CaO Heterogeneous	2022

		Nanocatalyst	
110.	Ruskin Bruce A., Prem Kumar P., Arul K., Manoj Kumar P., Lakshamana Kumar S., Aravindh	Experimental characteristics and optimization of friction stir welded AA5052-AA6061 using RSM technique	2022
111.	Devi E.A., Athappan V., Rajendran R.R., Devi E.A., Emayavaramban G., Sriragavi S., Sivaramkrishnan M.	A Diagnostic Study on Prediction of Covid-19 by Symptoms Using Machine Learning	2022
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	P., Rangasamy G.	of waste plastics into fuels	
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125.	Sundarakumar M.R., Salangai Nayagi D., Vinodhini V., Vinayagapriya S., Marimuthu M., Basheer S., Santhakumar D., Johny Renoald A.	A Heuristic Approach to Improve the Data Processing in Big Data using Enhanced Salp Swarm Algorithm (ESSA) and MK-means Algorithm	2023
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145.	Sridevi V., Rathi B.S., Kumar P.S., Saravanan A., Hemavathy R.V., Karishma S., Jeevanantham S., Pamu S.H., Rani L.S., Prasad K.S.N.V.	Ultrasonic Functionalized Egg Shell Powder for the Adsorption of Cationic Dye: Equilibrium and Kinetic Studies	2022
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	Professor K., Chamundeeswari, Associate Professor M.		
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415.	M N.K., C V.K., Kamalakkannan D., Thopate K., Shanmugam S.K., Vignesh T., Goswami A., Kalpanadevi D.	An Optimized PV-Based Multi-Port Plug-In EV Charger Using Improved Particle Swarm Optimization Algorithm	2023
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427.	Srinivas C.M.V., Jaglan S., Savitha H.S., Ghamande M.V., Trivedi P.U., Ramakrishnan R.	Integrating Smart Technologies for Enhanced Traffic Management and Road Safety: A Data-Driven Approach	2023
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		Network	
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448.	Sivakumar R., Kadry S., Krishnamoorthy S., Balaji G., Nethrra S.U., Varsha J., Rajinikanth V.	Deep-Learning Supported Detection of COVID-19 in Lung CT Slices with Concatenated Deep Features	2023
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		Analytics	
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	Kadry S., Rajinikanth V., Srivastava G., Meqdad M.N.	Mayfly-Algorithm Selected Features for Classification of Breast Histology Images into Benign/Malignant Class	2022
	Manikandan M., Justus J.J.	Analysis and Optimum Classification of Thoracic Disease in Chest X-Rays using ResNet CNN	2022
	Raj A.N.J., Zhang W., Yuan Y., Yu A., Nersisson R., Zhuang Z., Cai L., Krishnan P.T.	FPGA Implementation of Column-Wise Deconvolution Accelerator Based on Structural Optimization for Medical Image Segmentation	2022
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	Lakshmi D., Sivakumar J., Ramani S.	Multi-Class SVM Prediction Model for Lung Cancer Diagnosis	2022

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	Divya J., Nithishram J., Naveenji P.	Multimodal Feature Selection for Android Malware Detection Classifiers	2022
	Tamizhselvi A., Anbu M., Radhakrishnan K.R.	Financial and Individual Future Expense Prediction Based on Frequent Patterns Using Micro Services	2022
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	Jaspin K., Selvan S., Packianathan P.S., Kumar P.	Convolution Neural Network Based Classification of Plant Leaf Disease Images	2022
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	Iyyappan J., Gurunathan B., Gopinath M., Vaishnavi A., Prathiba S., Kanishka V., Gomathi K., Dhithya V.	Environmental impact analysis of biofuels and bioenergy: a globalperspective	2022
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	Kumar D.D., Batla V., Murtaza Alvi S.A., Deb N., Singh S., Bhardwaj V.	IoT Equipment ID and Blockchain Driven Internet Fused Learning	2022
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	Priyadharshini K., Sawant P.D., Khadir M., Majji S., Chouhan A.S., Dash M.	Convolution Neural Network (CNN) Based Deep Q-Learning to Maximise the Returns from Stock Market	2022
	Kumaran R., Shanthini S.	A Hospital Application Involving Deep Learning Architecture for Detecting Parkinson's Disease	2022
	Banupriya S., Sri Balaji P., Kalyana Chakravarthy P.R., Suresh S., Sivaganesan S.	Analyse and investigate the geopolymer based concrete	2022
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	Jesudoss A., Helen S., Christy A., Meena S., Theresa M., Rajesh S.	Vulnerabilities Exploitation in Automative Hacking using Hardware and Software Implementation	2022
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	Adlin Rose R., Subramanian M., Elakkiyadasan R., Siva M., Manoj Kumar P.	Strength characteristics of sand modified with keratinous chicken feather fiber	2022
	Elakkiyadasan R., Gavaskar T., Murugapoopathi S., Sathishkumar N., Nagaraja M., Ganesh K.	Experimental investigation of PCM with added E-graphite and analysis of its thermal characteristics	2022
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	Julaiha A.N., Vasudevan B.	A report on Alzheimer's disease Action and Semantical Fluency	2022
	Sindhuja P.P., Vijayan V., Panda A., Panda R.C.	Design and Analysis of Double Integrating and Dead time Processes	2022
	Dhatshanamurthi P., Subash B., Jayamoorthy K., Sasikala R., Vijaya P., Shanthi M.	An efficient nanostructured zirconium modified TiO2 for detoxification of azo dye	2022
	Kulkarni M.H., Kulkarni C., Babu K.S., Rahin S.A., Singh S., Kumar D.D.	Data Fusion Approach for Managing Clinical Data in an Industrial Environment using IoT	2022
	Aiswarya G., Krishnan J.	Antecedents of purchase intention: a study on fashion brands	2022
	Annadurai S., Rathinam K., Kanagarajan V.	An Experimental Study on Strength and Durability Properties for Utilization of Rice Husk Ash (RHA) in Geopolymer Concrete	2022

Completed Funded Projects

	Rajhu N.M., Jayabalan C., Siva M., Ramesh B.	A Novel Manufacturing Process for Nanosilica carbide Reinforced Al2024 Matrix Composites	2022
	Aruna Jasmine J., Heltin Genitha C.	Deep Learning on Landslides: An Examination of the Potential Commitment an Expectation of Danger Evaluation in Sloping Situations	2022
	Nabil R., Chamundeeswari M., Tamilarasan K.	Recent trends in genomic approaches for microbial bioprospecting	2022
	Vinoth Babu N., Siva M., Subramanian M., Elakkiyadasan R., Manoj Kumar P.	Investigation of mechanical characteristics of SiC and flyash particle reinforced aluminium matrix composites	2022
	Daniel J., Shyamala R., Pugalenthi R., Mohan Kumar P.	RANC-CROP Recommendation Attributed to Soil Nutrients and Stock Analysis Using Machine Learning	2022
	Anuradha M., Mani G., Shanthi T., Nagarajan N.R., Suresh P., Bharatiraja C.	Intrusion Detection System for Big Data Analytics in IoT Environment	2022
	Saravanan R., Retnaswamy S., Selvan S.	A Method of Hand Gestures Recognition using Convolutional Neural Network	2022
	Avudaiammal R., Devipriya S., Swarnalatha A., Vijayarajan R.	An Efficient Hybrid De-Noising Method for Remote Sensing Images	2022

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Sl No	Name of the Funding Agency	Details of the Funded Project	Name of the faculty and Department	Amoun Sanctio Rs.

1	ICSSR, New Delhi	Managing the psychological wellbeing of remote working employees during Covid pandemic.	Dr.Jayasreekrishnan Dr. U. Abirami	3,25,000
2	Science & Engineering Research Board (SERB), Department of Science and Technology	Development of multi-spectral (Termal/Visible) Imaginh system for Fever screening in Crowded places for Detection of Infectious Diseases.	Dr.M.PalaniThankaraj (EIE) Dr.Parvathavarthini	11,61,629
3	ART PARK-Student Innovation grant Program, IISC.	Artificial Intelligence Based Integrated and Distributed System for Preventing Covid-19 Spread using Deep learning.	Dr. G Maria Kalavathy, CSE	3,50,000
4	ART PARK-Student Innovation grant Program, IISC.	Robocap-AI Based Surveillance Robot.	Dr.S.Rajashkannan, ECE	3,95,000
5	IIC, NIC 2020	Micro Level Power Management System.	Dr.S.Rajashkannan, ECE	3,00,000
6	Tamil Nadu State Forest Department	Polyherbal Infused Chitosan Films for Seed Storage.	Dr. S. Justin Packia Jacob, Biotechnology	3,00,000
7	Tamil Nadu State Council for Science and Technology	Non-isolated dc-dc power convertor with high grain for ev applications.	MS.S.P.Vedavalli, EEE	7,500
8	Tamil Nadu State Council for Science and Technology	Deep learning based cyclone intensity estimation using insat-3D IR imagery.	Ms.K.Deepa, IT	7,500
9	Tamil Nadu State Council for Science and Technology	Synthesis of reduced graphene oxide using modified hummer's method for cancer treatment.	Ms.Preethy K.R, Biotech	7,500
10	Tamil Nadu State Council for Science and Technology	Fabrication and analysis of fire retardant hybrid laminated composites.	Dr.R.Selvam, Mech	7,500
11	Tamil Nadu State Council for Science and Technology	Nanopolyglusams – A multifunctional nanomaterial from Tamil Nadu coastal waste.	Ms. Caroline D.G	7,500
12	Tamil Nadu State Council for Science and Technology	Stabilisation of expansive soil using agro waste and industrial waste.	Dr.S.Thenmozhi, ECE	7,500
13	Indian Space Research Organisation (ISRO), Bengaluru.	Extraction of Buildings from Satellite Imagery of Urban Area through Transfer leaning of Deep Learning Networks.	Dr. R Avudaiammal, ECE	19,82,000
14	AICTE, New Delhi	Skill and Personality Development Programme Centre for Sc/ST Students	Dr.V.Muthulakshmi Information Technology	9,39,000
15	MSME, IDEATHON	Electric shock accident prevention system	Sharfaras. J Dr. Rajeshkanna, ECE	12,00,000
16	MSME, IDEATHON	Saffron cultivation using assorted modern technique.	Sivaranjani. G Divyaprabha Iswarya.K Dr.G.Baskar (Bio)	8,25,000
17	MSME, IDEATHON	Solar boat.	Venkateshbabu. R Sandeep Nivas E Mr.A.Ruskin Bruce Mr.J.Mariyappan (Mech)	14,00,000
18	DST, SERB	Analysis of Power Electronics Inverter and drive using discrete event system approach	Dr.Jayarama Pradeep, EEE	6,60,000

19	OSA fund			1,36,000
20	IEEE Fund			4,17,001
21	ATAL, FDP		ECE	3,00,000
22	DST, SERB	SERB - National Seminar	Dr. D Lakshmi, Dr. Shirley Selvan	100,000
23	ISTE	One Week Short Term Training Program (STTP) On Opportunities, Scope and Challenges in DC Microgrids	Dr.Jayarama Pradeep Dr.T.D.Sudhakar EEE	35,000
24	ISA			6,766
	Total			**1,08,77,**
	Skill India – MSDE	PMKVY4.0	Dr A Chandrasekar, CSE	1,700,000
25	Tamilnadu State council for Science and Technology	Science and Technology Projects	Dr.L.Balamurugan	210,000

Patents Filed & Published:

S. No.	Country& Patent No.	Name of the Inventor(s)	Title	Date of Filing of Patent	Date of publication
1.	Indian Patent	**Dr. Anita Rose J T (CSE)**	Cloud and IoT based		04/02/2022

	202241000406	**Dr.J.Vijayalakshmi** **Y. M. Mahaboobjohn** **Dr.Reshma V.K** **Mr. Rahul Agarwal** **Ms. SHILPY SHARMA** **Mr. Alok Kumar** **Ms. Anupriya kumari**	framework to prevent sneaking & conserve woodlands using WSN	04/01/2022	
2.	Indian Patent 202241001019	**Dr.F. Sangeetha Francelin Vinnarasi** **Gayatri Vaidya** **Dr Mandeep Kaur Sandhu** **Mohammed Hasan Ali Alabyadh** **Dr. Manoj Tripathi** **Dr R Hemalatha** **Ashima kalra** **Dr. Abhishek Das** **Dr. Manish Sharma** **Dr. Brijesh Sathian**	Artificial Intelligence and Machine Learning based early detection strategy for Chronic Kidney Disease	07/01/2022	21/01/2022
3.	Indian Patent 202241001171	Dr. D. Ravindran Dr.Veldandi Ramchander Rao Dr. Krithika. M Dr. Rakesh Kumar Yadav Dr. P. Karthikeyan Dr. S. Thandayuthapani Dr. SP. Karuppiah **(MBA)** Dr. D. Murugan Dr. A. Rajeswari Dr. D. Joel Jebadurai	Small Traders' Perception Towards Corporate Retailing	09/01/2022	04/02/2022
4.	Indian Patent 202241001885	**Dr. R. Brindha** **Dr.A.Ananthi Christy** **R.Elanthirayan (EEE)** **Vedavalli.SP** **Jamna.A** **S.Gomathi**	Hybrid Renewable energy based automatic recharging mechanism for electric vehicle	12/01/2022	04/02/2022
5.	Indian Patent 202241001883	Dr. Kumara Swamy Jella Dr. S. Mani Naidu Dr. J. Madhusudhanan Dr. Renuka Viswanathan(BT) Dr. A. Prema Dr.V.Nagalakshmi	Metal complexes and composition with novel Synthesis, Characterization, and Properties of Binuclear	12/01/2022	04/02/2022

		Dr. P. Bhavani Dr. P. L. Kishore Dr. P. Shyamala Mr. Ameer Khan Shaik Dr. Wasudeo Balaji Gurnule	Gold(I) Phosphine Alkynyl Complexes.		
6.	Indian patent 202241003722	**Mr.Vijayakumar Sajjan** **Dr.Yogeesh N** **Dr.Karthikeyan Palaniappan** **Dr.V.Anjana Devi** **Ms.Roshani K.Dharme** **Mr.Anup Dnyaneshwar Bhange** **Ms.Prajakta Singam** **Mr.Shailesh Ashok Kurzadkar** **Ms.Vaishali R.Surjuse** **Mr.Dipak Pandit Chavan**	A System for Cooperative Work of Nodes in IOT Environment and Method Thereof	22/01/2022	04/02/2022
7.	German Patent 202022100460	Dr.R.Baskaran (Chem)	Ein intelligentes System für Wetterüberwachung and Naturkatastropravention mit IoT and ML	27/01/2022	15/02/2022
8.	Indian Patent 202241005105	Dr.S.Selvi D. MohanaPriya Dr.R.Sridevi Dr.I. Sharath Chandra Dr.L.Sherly Puspha Annabel (IT) Dr.M.Gobi Dr. R. Thiagarajan	Smart Contract Based Fog Resource Accessibility and Distribution Permittance through Blockchain	31-01-2022	11/2/2022
9.	Indian Patent 202231005713	**Dr. Alok Ranjan Tripathy** **Dr.V.Selvi** **Mr. Manish Ranjan Pandey** **Dr. Rajesh Kumar Maurya** **Prince kumar** **Dr.Ashish Kumar Tamrakar** **Ms. Reenu Batra** **Khushboo Pandey** **Mr. Vinu S** **Dr. Naveen N M**	AI Based SMS Spam Detection Using Machine Learning Approach	02/02/2022	11/03/2022
10	Indian Patent 202241006155	**Dr. S.R. Thilagavathy** **Dr. V.N. Nandini Devi** **Dr. N. Padmamalini** **Dr. Su. Narmadha**	Investigation into energy gap in superconductor	04/02/2022	11/02/2022

		Ms. K. Manimekalai **Mr. P. Jayaprakash** **Mr. P. Shenbagarajan**			
11	Indian Patent 202241006290	**Dr. J. Sivapriya** **Ms. V. Selvarani** **Dr. S. Durga** **Dr. N. Punitha** **Dr. S. Geetha** **Dr. S. Thilaga** **Ms. G. Sridevi**	The impact on percentage of active components in Detergents.	06/02/2022	11/02/2022
12	Indian Patent 202241006288	**Dr.K. KANAGALAKHMI** **Arockia Liborious** **Mr. KANNADASAN B** **Dr.Pramod Sharma** **Jayashree D** **Mr.Kannadasan B** **Jeipratha P N** **Dr. Manam Vamsi Krishna**	IoT Based Smart Voting System through Facial Recognition using open CV	06/02/2022	11/02/2022
13	358157-001	Mrs Vanka Saritha Bhuvaneswari Balachander Prashant Sunagar **Dr. B. Uma Maheswari (CSE)**	Frontline Robotic Vehicle For Covid Patient	08/02/2022	21/02/2023
14	Indian patent 202241007775	**Dr.B. Muthukumaran** **Miss. A. Gayathri** **Mrs. V. Selvarani** **Dr. S. Kiruthika** **Dr. S. Durga** **Dr. M. Priya** **Mr. L. Pournan**	Stoichiometry Effects in Proton-Exchange-Membrane-Fuel-Cells	14/02/2022	18/02/2022
15	Indian patent 202241008447	**Dr.V Kavitha** **Dr.Usharani Thirunavukkarasu** **Shalini M** **Ms. S.Brindha** **Ms. Charanya. J** **Ms. K.Gayathri Devi** **Dr Pachhaiammal Alias Priya**	Image Processing Based Smart System for Teeth Diseases Diagnosis	17/02/2022	25/02/2022

		Dr. Brijesh Sathian			
16	Indian Patent 202241010804	**Dr. S.Kiruba** **Dr. N. Punitha** **Ms. A. Arulmozhi** **Dr. S. Rama** **Dr. T. Asaithambi** **Dr. B. Anitha** **Dr. S. Gowri**	Synthesis and characterization of silver nanoparticles from ecofriendly Materials	28/02/2022	11/03/2022
17	Indian Patent 202241012594	**Dr. Thangjam Ravichandra Sumit Kumar** **Dr. N. Chidambararaj** **Mr. K. Aravindhan** **Abhishek Sharma** **Dr. Shweta Bansal**	Artificial intelligence and machine learning based autonomous e -waste management system for smart environment	08/03/2022	18/03/2022
18	Indian Patent 202241021848	Mrs. Jiji K N Dr. P. Muralidharan Dr. S. Justin Packia Jacob	Composition Containing an Extract of *Clitoria ternatea*. L for the Improvement of Behaviour and Cognit	12/04/2022	29/04/2022
19	Indian Patent 202241021979	M. Chamundeeswari Ms. P. Kowsalya Ms. S. Uma Bharathi	Eco-Smart Quantum Dots as Photo Catalyst for Industrial Dyes Degradation - a Novel Approach.	13/04/2022	29/04/2022
20	Indian Patent 202241023964	Dr. B. Chellaprabha Dr. D. Logeshwari Dhavamani Dr. L. Ramesh Dr. D. Jebakumar Immanuel Mr. V. Ramalingam Mr. A. Wasim Raja Ms.N. Ganitha Aarthi Ms. V. Vaishnavee	Design System of Sensor-Driven AI-based Agriculture Recommendation Model for Land Suitability of Planting	22/04/2022	06/05/2022
21	Indian Patent 202241029601	Dr. B. Uma Maheswari Ms. R. Bharathy Ms. U. Jhanani Shree Dr. R.Surender Ms. M. Anitha Mary	DESIGN OF FACE MASK DETECTION	23/05/2022	27/05/2022

		Ms. B. Deepa Ms. T. Kalaiselvi Dr. A. Kavitha Dr. Gururaj Murtugudde Dr. J.K. Periasamy			
22	Indian Patent 202241027530	**Dr. M. Chamundeeswari** **Ms. P. Kowsalya**	In-vitro and in-vivo toxicity profile analysis of green synthesized Spirulina dots for biomedical applications	13/05/2022	27/05/2022
23	Indian Patent 202211035922	Mr. Harshit Sharma Dr. M. Malathy Ms. S. Jayachitra Dr. Pulugu Dileep **Ms. Kripa Sekaran** Dr. Idimadakala Nagaraju Ms. Parinita Hajra Dr. S. Angel Latha Mary **Ms. S. Anitha** Dr. Sharmila Subudhi	A System for Emission Related Transaction Validation and Capture via Blockchain Network and Method Thereof	22/06/2022	01/07/2022
24	Indian Patent 202241036599	Dr.S.Prakashkumar Dr K L Sumathy S.Arunkumar K.Sivakami Dr.K.Ravikumar Dr.G. Simi Margarat **Dr S Jothi (CSE)** Mr. Pritam Ramesh Ahire Prof.Rohini S Hanchate Dr. Brijesh Sathian Dr K Vijayalakshmi Dr K Rama	Automatic Safe Health Care System For Prediction, Prevention And Diagnosis Of All Heart Related Diseases At Early Stage Using Deep Learning, Artificial Intelligence And Data Mining Techniques	25/06/2022	01/07/2022
25	Indian Patent 202241001018	Dr.K.Jawahar Rani (MBA) Dr.M.AnuradhaD.Deepika	Six sigma Management Techniques to advance Business Practices in	1.07.2022	4/2/2022

		Ms.Ajay Kumari Dr. Niti Saxena Dr.S.Nagasundaram Ameen Basha H Dr.G.Purushothaman Dr.A.Geetha Dr.D .D.Paul Dhinakarn	Manufacturing Industries		
26	Indian patent 202241039838	Akash Shankar Ashgok kumar V K.Muninathan R.G.S.Nixon Sathsih kumar Ashwin Prabhu (Mech)	Thermal Analysis of PCM Based Incubators	11.07.2022	22.07.2022
27	Indian Patent 202241039693	Dr. P G Thirumagal Dr.S.Vasantha M. Ruby Evangelin Dr. K. Sampath Dr. Syed Shahid Mazhar Dr. Anis ur Rehman Dr. Biplab Tripathy Auadhati Datta (MBA)	An Integrated human AI paradigm through organizational agility and sustainable performance	11/7/2022	22/7/2022
28	Indian Patent 202241040822	Dr.V.Vallinayagam Dr. U.Venakteswara Dr.K.M.Kumar Dr.P.Agilan Dr.S.Annadurai	Ovarian Cancer Estimation and prediction using supervised ML approaches	17/07/2022	22/07/2022
29	Indian Patent 202241040826	Dr. U.Venakteswara Dr.K.M.Kumar Mr. ABHISHEK DAVID JOHN Sasirekha P Dr.M.Venkatesan	Eco-friendly Masks	17/07/2022	22/07/2022

30	Indian Patent 202241040893	Dr.G.Purushothaman	Detecting Coronary Heart Disease using Type 2 Fuzzy Logic	18/07/2022	22/07/2022
31	Indian Patent 202241041367	Dr. V.Vaishnavy Dr. Ar Sivakumaran Dr. M.Vanitha Dr. Hrituparna Paul Dr. M.Saravanan **Dr. A Chandra Sekar (CSE)** Mr. S. S. Senthil Kumar Dr.Abhijit J.Patankar Ms. Shakunthala B S Dr. Brijesh Sathian Dr Amol Digambar Pawar	Automatic Computer Vision-Based Accident Detection System Through Image Processing And Video Surveillance Using Deep Learning Algorithms	19/07/2022	29/07/2022
32	Indian patent 202241042626	Dr. Inamul Hasan Madar Dr. P. Thirumalai Vasan Dr. Sweety Lanjhiyana Dr. S. K. Lanjhiyana Dr. K. Himabindu Dr. Ananta Charan Ojha **Dr. S. Sumathi** V. Kandasamy	Artificial Intelligence Based Drug Discovery Technique to Analyze the Impact of Existing Drugs for Brain Tumors and Paving Way for New Efficacious Drug	26/07/2022	12/08/2022
33	2022/08579	Mr. A. Sampath Dakshina Murthy Mr. Gajendra Singh Rawat Mr.Anuj Kumar Sharma Mr. Shiv Kumar Singh **Dr.D.Rosy Salomi Victoria (CSE)** Dr. Bhimraj Gawade Dr. J. Sai Chandra Dr.Kumar Pratyush Dr.Kazi Kutubuddin Sayyad Liyakat Dr. Sushma Jaiswal	Additive Manufacturing Through Binder Jetting Technique For Biomedical Equipment	01/08/2022	26/10/2022

34	Indian patent 202241044977	Dr. M. Shabeena Begam Dr. Suresh Babu Nalliboyina Dr. L. Balamurugan Dr. Anuradha Pathak Prof. (Dr.) Tulika Saxena Prof. Manoj Kumar Mishra Dr. V. Kannan Mr. J. Logeshwaran Dr. Arokiaraj David Dr. Dalbir Mr. Vikas Nain Dr. Sandeep Kumar	Study on supply chain management for retail business in facebook	06/08/2022	12/08/2022
35	Indian patent 202241050754A	R.Jayaprakash G.K Ayyadurai I.Ameeth Basha Sathish Rengarajan Muhammed Abrar Rajat Kumar Dwiedi Senthil Nathan.G Hariharan Venkatasubtamaniam (Mech)	ZNO nano particle blended 5-indanyl methacrylate homopolymer for protective coating application on welded surface,	6.9.2022	16.09.2022
36	Indian patent 202241050752	R.Jayaprakash I.Ameeth Basha G.K Ayyadurai Hariharan Venkatasubtamaniam Sathish Rengarajan Ashok Kumar R Muhammed Abrar Senthil Nathan.G	Synthesis, characterization, anticancer, NLO, and Corrosion inhibition application of Novel Thiazol-4-4carbonyl-thiazole-4-carbohydrazide derivatives	6.9.2022	16.09.2022

37	Indian patent 202241050757	G.K Ayyadurai R.Jayaprakash Preethi R I.Ameeth Basha Vaddi Seshagiri Sathish Rengarajan Muhammed Abrar Hariharan Venkatasubtamaniam	Coir Pith, Waste Straw, Activated Carbon of Diplocyclos Palmatus,	6.9.2022	16.09.2022
38	Indian Patent 202241045288	**Dr.Manoj Kumara N V** **Mr. Mankeshva saini** **Dr. A. Nagalaxmi** **Mr. SRIDHARA G** **Dr. T. Dhanalakshmi** **Dr.P.Maheswari** **Dr. Jayasree Krishnan (MBA)** **Dr.R.Karthick** **Dr.D.Joel Jebadurai** **Dr.M.Manikandan** **Dr. Harikumar Pallathadka** **Dr. K. Sivaperumal**	An investigation into the influence that the use of digital technology has on the outcomes of the marketing efforts of the organization.	08/08/2022	19/08/2022
39	Indian Patent 202241045779	**Dr. J. Madhusudhanan** **Dr. S. Justin Packia Jacob** **Dr. R. Balachandar** **Dr. Vikram Godishala** **Mr. Yuvaraj Sampathkumar** **Dr. P. Vijayabaskar**	Process of a Lipids in Biological Systems	10/08/2022	26/08/2022
40	Indian Patent 202241049035	**Dr. L. Leo Franklin** **Dr. Rajesh Uttam kanthe** **Dr.J Srinivasan** **Dr. Prasanta Chatterjee Biswas** **Dr.S . Padmapriya** **Dr. Manisha Shedge** **Saumyabrata Nath** **Dr. Mohsina Hayat** **Dr.SP.KARUPPIAH (MBA)** **Dr.P.Gurusamy** **Dr. Harikumar Pallathadka**	Based on Mplus 8.0 and SPSS 21.0, this research investigates the impact that developmental human resource management practices have on the innovative behaviours of employees	27/08/2022	09/09/2022
41	Indian Patent 202221051203	**Dr. Santaji Krishna Shinde** **Mrs. Sarita Santaji Shinde**	A system for mapping cancer common data	07/09/2022	16/09/2022

		Dr. R. Pitchai **Dr. B. Uma Maheswari** (CSE) **Mrs. R Sujatha** **Ms. Anuradha Reddy** **Dr. V. Mohanavel**	elements using ann & ai modules		
42	Indian Patent 202241051826	Dr. D. Iranian Dr. Bele Charudatta Dattatraya Mrs. Vijayalaxmi M K Mr. Sankar C (Maths) Mr. R. V. Jaikumar Dr. S. Arul Amirtha Raja (Maths) Mr. Sanjay Ambadas Salve Mrs. K. Lavanya Dr. C. Siva Sankar Dr. Prashant Pralhad Malavadkar1 .	Design and analyze of website effectiveness using graph theory	11/09/2022	16/09/2022
43	Indian Patent 202211053206	Dr. Amit Sharma Kalpana Devi S K.Pratyusha **Dr A Tamizhselvi** Dr Shueb Ali Khan Rishi Kumar Sharma Dr. Naveen Kumar CG Dr B Gayathri Udayakumar N Dr T Ravichandran Dr.A.Sasi Kumar Mohd Esa	Designing a Smart Firewall System to Alert the Antivirus Application Installed on a Gadget to Protect Against the Hazards of Computer Virus	17/09/2022	07/10/2022
44	Indian Patent 202241054851	Dr. Kuparala Venkata Vidyasagar Dr. K.V. Suryanarayana Rao Dr. G. Purushothaman Dr. Reema Jain Dr. V N Srinivasa Rao Repalle Ms. B. Shoba Dr. C. Siva Sankar Dr. M. Elumalai Dr. M. Rajeshwari Dr. Minal Shukla	Detect desirable and undesirable characteristics in manufacturing process using graph theory	25/09/2022	30/09/2022
45	Indian Patent 202241055795	**Dr. B Uma Maheswari (CSE)** Dr.Gandi Satyanarayana Alabazar Ramesh S Sandeep Kumar	A Convolutional Neural Network System For Behavioural State Classification Between Two Species	28/09/2022	14/10/2022

		S.Sangeetha Dr. Jayapandian N Dr. V. Mohanavel			
46	Indian Patent 202241056616	Dr. Shiva Kumar S.M. Dr. N. Venkateswaran **Dr.J. Ramya (CSE)** Ms. N. Ramadevi Mr. R. Stalinbabu Dr. M Jogendra Kumar Dr. C. R. Rene Robin	A System And Method For Managing Government Affair On Cloud Computing For A Smart City	02/10/2022	14/10/2022
47	Indian Patent 202241058495	**Dr.T.V.Narmadha** Mr.A.Sadeesh kumar Mr.R.Elanthirayan Mrs.R.G.Nirmala Dr.M.Ramesh babu Mr.M.Chilambarasan	An intelligent power management technique for a solar – wind battery system	13/10/2022	03/03/2023
48	Indian Patent 202211059592	Dr Surendra Kumar Yadav **Dr.Logeshwari Dhavamani** Dr Sumanta Bhattacharya Chhavi Sharma Dr. Droupti Yadav Neha Gardg Harshita Chaurasiya Dr. Hukma Ram Ravi Sharma Prof. Dr.Vivek Singh Kishwah Dr.A.Sasi Kumar Dr P Joel Josephson	Systematic Approach Integrated With Convolutional Neural Network for Predicting the Air Pollution and Air Pollutants in Industrial Area	18/10/2022	04/11/2022
49	Indian Patent 202241059960	Dr. K. Deniel Raju Dr. B. Pardha Saradhi Dr. K. Reena Mr. Venkata Charan Kantumuchu Dr. G. Kavitha Dr. R. Ramakrishna Prasad Mr. Aadooru Suman Mrs. M. Dhanalakshmi Dr. Manjula M. Hanchinal Dr. N. Jose Parvin Praveena	Diagnostics technique for industrial manufacturing process using graph theory	20/10/2022	18/11/2022

		(Maths)			
50	Indian patent 202241060142	Dr. R. Tamilmaran Dr. Sowmiya. M Dr. N. Ananthi Dr. R. Monisha Dr. G. Nirmala Mr. D. Saravanan Dr. Shivlal Mewada Dr. D. Stalin David Dr. R. Rameshkumar	ArunkumarEffective worker performance assessment system in Industry	20/10/2022	18/11/2022
51	Indian patent 202241060839	Dr.S.VINOD KUMAR Chemical	AN ADVANCED IMAGE PROCESSING SYSTEM USING A COMBINATION OF IOT AND CLOUD COMPUTING AND WORKING METHOD THEREOF	25.10.2022	18.11.2022
52	Indian patent 202241060785	Dr. Jayasree Krishnan (MBA) Dr. Jawaharrani K Dr. Sundari R Dr. Ajit S Dr. SP. Karuppiah Surenthran David P. Jebakerupa Roslin A	An Overview of Exploring the potential of Artificial Intelligence Approaches on Digital Marketing.	25.10.2022	28.10.2022
53	Indian patent 202241060786	**Dr.F.Sangeetha Francelin Vinnarasi (CSE)** Dr.C.A.Subasini Sania Fatima Malvika.K Mr. Kannadasan B Dr.T.Joby Titus Debabrata Dansana	Artificial Intelligence And Lot Based Driver Drowsiness Monitoring System By Detecting Visual Behavior Of Human To Avoid Accidents Using Machine Learning And Deep Learning Algorithms	25/10/2022	28/10/2022

		Sandeep Kumar Hegde Rajalaxmi Hegde Roopa.S Nandeesh GS			
54	Indian patent 202241060838	Mr. D. Sakthivel Dr. V. Kanchana Dr. A. Kistan Dr. M. Muthukkumar Dr. K. Sekar Dr. S. Rehan Ahmad Dr. A. Rajendra Prasad	Environment-friendly vehicle natural fiber composite material and dreparation method as well as application thereof	25/10/2022	18/|1/2022
55	Indian patent 202241061017	**J.T.Anita Rose (CSE)** Dr Manoharmayum Dolpriya Devi Prashant Saini Dr. Sushil Kumar Balbhagvan Acharya Sathyendra Bhat J P.Shantan Kumar Prof. Dr. Santhosh Kumar Rajamani Dr. Sharad Timaji Tajane Rupal sengar	Artificial Intelligence And Lot Based Smart Plant Monitoring And Control System To Avoid Plant Diseases Using Machine Learning And Deep Learning Algorithms	26/10/2022	18/11/2022
56	Indian patent 202241061215	**Dr. R. Pugalenthi (CSE)** Dr. Ravi Kumar Poluru Mr. Srinu Bevara Dr. Karthikeyan Palaniappan Mrs. P.Poonkodi Dr. D.Sattianadan Mr. K.Prabhu Kumar Mrs. Gadige Radha	Optimal Image Segmentation System For Ultra Sound Image Segmentation And Classification	27/10/2022	18/11/2022

		Dr. S.S.Sivaraju Dr. Shaik.Bajidvali			
57	Indian Patent 202241061576	Dr.Angelin S.Kiruba Dr.U.Madhanrajan Dr. S.Poovizhi Dr.K.Sampath Dr. G. Nirmala Dr.L.Rajesh Kumar Dr.A. Sathish	Smart AI based approach to manage the payment of E-Commerce sites and financial Management	28/10/2022	18/11/2022
58	Indian Patent 202221062686	Mangesh Baburao Sugare M.SureshKumar Dr Padmashree T Rohit kumar vyas Bhagya Rekha Sangisetti Mehak Verma Geetha S **S Shanthini (CSE)** Satya Narayan Das Arivarasan S	Artificial Intelligence And Iot Based Smart Health Care System To Monitor And Predict Heart Attack For All Ages Using Wsn And Deep Learning Algorithms	02/11/2022	11/11/2022
59	Indian Patent 202241062936	Natarajan Hariprasad **D Dinesh Kumar** **G.Lathaselvi** D Sankaran A K Nambi Ezhilarasu Veena M B Kumaran Kamalesh S Padmavasan A Periyasamy Shiva	A Novel Method for Manufacturing Kajal Using Cow Dung and Coconut Shell	03/11/2022	18/11/2022
60	Indian Patent 202241063347	Rajib Guhathakurta Dr. V. Srikanth **Dr. E. Ahila Devi (CSE)** Prof. Harish Dr. Sheshang Degadwala	Machine Learning And Artificial Intelligence Techniques For Intrusion Detection In Network Security	07/11/2022	18/11/2022

		Yogesh Bhalla			
61	Indian Patent 202241064381	KR Saradha Dr. Sriparna De Dr. Hrituparna Paul Kanaka Durga Devi Nelluri Dr. P. Savaridassan Dr.CH.Venkata Kishore Satya Narayan Das Dr. Suhail Javed Quraishi **Mr.Vinu.S (CSE)** Dr.K.Dhayalini	Artificial Intelligence And Lot Based Automatic Smart Health Care System To Monitor And Avoid Blood Pressure And Lung Cancer To Avoid It Early Stages For Healthy Life For All Ages Using WSN, Image Processing And Deep Learning Algorithms	10/11/2022	25/11/2022
62	Indian Patent 202241064298	Dr. Md Abdul Rahim Akbar **Suthanthiradevi P** Dr. Bibekananda Meher Dr. Sumathi S Dr. Kranti Kiran Reddy Ealla Dr. N Lakshmipathi Anantha Dr. Syed Safiullah Ghori Ashish Agarwal Dr. Sushil Kumar Dr.A.Sasi Kumar Komal B Umare Dr. Sumanta Bhattacharya Dr. Vishnu Priya Veeraraghavan	Artificial Intelligence Based Approach To Analyse The Factors That Are Associated With Head And Neck Cancer	10/11/2022	18/11/2022
63	Indian Patent 202241064833	Ms.G.Y.Vybhavi Ms.Alphonsa Mandla Ms.P.Sangeetha Ms.G.Sriramya Ms.Keerthi Manchikanti Dr.K.R.N.Kiran Kumar Mr.Shashikant Kaushaley **Dr.D.Rosy Salomi Victoria (CSE)** Mr.Nazeer Shaik Dr.M.Chandra Naik	Quality Of Services (Qos) Improvement System In Software Defined Iot Using Deep Optimal Route Neural Network	12/11/2022	18/11/2022
64	Indian Patent	**Dr.C. Heltin Genitha (IT)**	Smart Machine Learning	14/11/2022	25/11/2022

	202241065125	Dr. Anil Kumar Dr. Leena Homraj Patil Prof. Sweta Arvind Raut Shraddha Chourasiya Dr. Uma Pravin Patel Dr. Amar Kumar Dey Dr Karunaiah Bonigala Dr Sandeep Rout Vidhya P Dr.G.Saravanan A Barkathulla	Based Approach Integrated With Internet Of Things (IOT) To Predict The Plant Growth And Disease		
65	Indian Patent 202241065148	Dr. Lavanya L Dr. I. Shanmugapriya Dr. H. Hari Harasudha Dr. R. Monisha Dr. G. Arunkumar Dr. R. Rameshkumar Mr. D. Saravanan Dr.Kalpana P Mr. Krishna Kishore Datti	Effectiveness of Business Model for startup company	14/11/2022	25/11/2022
66	Indian Patent 202211065323	Ms harleen kaur Dr. G. Meena devi (maths) Dr.Yegnanarayanan Venkataraman Kakara V V S Chowdary Dr Prakash chandra swain Dr Jitendra sharma Dr. P. Akila Ramesh kumar Dr. Manoj as akhtar hasan jamal khan Dr syed afzal ahmad Dr. V.kannan	Impact on digital awareness programme towards online fraud loan app in india	15/11/2022	25/11/2022
67	Indian Patent 202241067166	Anuradha.T Mr. Melwin D Souza Mr. Varuna Kumara Raghi K. R Ravi Kumar	Artificial Intelligence And IoT Based Automatic Smart Health Care System To Monitor And Predict All Types Of Thyroid Diseases And Blood Sugar Level Using Image Processing,	22/11/2022	25/11/2022

		Dr. Anjali Soni **Dr R Hemalatha (CSE)** Dr M Manimaran Dr K Nagaiah Abhishek Satyarthi	Cloud, And Deep Learning		
68	Indian Patent 202241068032	Eswararao Boddepalli Dr. Krupal Prabhakar Pawar **Raghi K. R (CSE)** TC Thanuja P.Sharmila Dr. Kalyan Das Dr K Nagalah P Veera Swamy Y Ramakrishna Krishna Reddy papana	Artificial Intelligence And Lot Based Automatic Smart Health Care System To Monitor And Predict Common Eye Disorder And All Types Of Eye Diseases For All Ages Using Image Processing, Cloud, And Deep Learning Algorithms	25/11/2022	23/12/2022
69	Indian Patent 202241068398	Dr. S. Muthu Vijaya Pandian Ms. W. Ancy Breen Dr. G. Deena Dr. CH. Venkata Kishore Prabhat Kumar Patnaik Dr Shweta Sachdeva Mr. Shrinivasa Dr. D. Nethra Pingala Suthishni Anjani kumar **Ranjith R (CSE)**	Artificial Intelligence And Lot Based Automatic Smart Healthcare Monitoring System To Monitor Health For Pet Animals And Birds Using Al Camera, WSN, Cloud And Deep Learning Algorithms	28/11/2022	02/12/2022
70	Indian Patent 202241068370	**Divya J (IT)** Dr. Amar Kumar Dey Dr. Naveen Kumar Dewangan Dr Ar Arunarani R.Jayasankar R. Deepa Dr. Jaidev Kumar Shyamkant S Munje Anand Nagsen Warghat	Implementation Of Feature Selection-Based Algorithms For Accurate Prediction Of Crop Yield And Paving Way For Precision In Agriculture	28/11/2022	09/12/2022

		Dr.A.Sasi Kumar Bhagwandas Patel Dr M Anusuya			
71	Indian Patent 202241069188	**Dr. G. Brindha (CSE)** Dr. Ihtiram Raza Khan Mrunalini Harish Kulkarni Dr. Prajakta Ajay Khadkikar Dr. Tariq Hussain Ahmed Mohamed Nashaat Ali Rady	System Of Machine Vision-Based Person Detection Under Low-Illuminance Conditions Using Machine Learning For Visual Surveillance System	30/11/2022	23/12/2022
72	Indian Patent 202211069862	Dr. Kimmi Verma Dr. Deepti Agarwal Dr. Tejas Harshadbhai Thakkar Dr. Geetha (Maths) Mr. J Logeshwaran Dr. T. Arumuga Maria Dev Mr. Karthik Selvaraju S. Siva Raju Dr. Michael Raj TF Mrs. Hepzibai Dr. V. Kannan	Mining opinion from structural content in micro blog using machine learning approach.	03/12/2022	09/12/2022
73	202211069831	Dr. Vikash Dubey **Mrs. Gnanasoundharam J.** Dr. Mahipal Singh Mr. Ramanuj Tewari Dr. Mehul Manu Dr. Sheshang Degadwala (IT)	Systematic Approach For Monitoring The Pollution Control In Smart Cities And Addressing The Security Challenges Integrated with IOT	03/12/2022	30/12/2022
74	Indian Patent 202311003117	Mr. Mukul Arora Dr. G. Venkat narayanan (Maths) Dr. P. Agilan (Maths) Mr. K.s. Sudhakhar (Maths) Ms. V. Devatarika Mr. V. Gokul Dr. G. Puthilibai Dr. S. Vasudhevan Ms. V. Chithra Ms. Priya Jyotiyana	Internet of things (IOT) based smart health monitoring system with long rage (LORA) Wireless Networks	05/12/2022	27/01/2023
75	Indian Patent 202241070728	**Mrs. Nivethitha Devi M. (IT)** Dr. G. Kiruthiga Tariq Hussain A. Sunil Samson	IoT and cloud-based Smart women protection and security system with alert message or call to the	07/12/2022	30/12/2022

		Prasanna Divyaraj Bhawana Chaudhary	control by voice sensing in recognizing the keywords or emotional words		
76	Indian Patent 202241071741	Dr.V.Muthulakshmi (IT) Ms.R.Deepa Ms.K.Priyadharshini Ms. M Janani	IoT and cloud technology based effective framework for ensuring the well-being of the Street Sweepers	12/12/2022	30/12/2022
77	Indian Patent 202231072725	Debajyoti Chatterjee Parimal Ashvinkumar Patel **Mrs. Jeipratha. P. N (CSE)** Dr. Sheshang Degadwala Dr. Chethana Sridhar Ravi Choubey	Intelligent System & Method For Home Surveillance With Warning Of Robber Activities Using Iot & Artificial Intelligence Approach	15/12/2022	30/12/2022
78	Indian Patent 202241073960	**Dr. J. Jean Justus (CSE)** N.Indumathi L.Dharshana Deepthi Pranav Ravindrannair Dr Saleem Ahmed KVB. Saraswathi Devi CH NV Mallikharjuna Rao Dr. Krupal Prabhakar Pawar B. Divya Rekha Srinivasa P Dr. Sharad Timaji Tajane	Artificial Intelligence Based Automatic Smart Wearable To Monitor And Track To Provide Safety For All Ages Of Women Using Cloud, WSN And Machine Learning Algorithms	20/12/2022	30/12/2022
79	Indian Patent 202241074164	**Dr. G. Brindha (CSE)** Dr Viswanathan Ramasamy Dr. P. Geetha Ak Nivedha Dr V. Balaji Vijayan Inderjeet Singh Dr. R. Ramkumar Dr. R. Thiagarajan	Identification And Assistance For Human Eye Through Voice-Based System To Help Autism Children	21/12/2022	30/12/2022

80	Indian Patent 202241077191	Dr.U.Venkateswara	A deep learning approach for prediction of air quality index in a metropolitan city using machine learning	30/12/2022	06/01/2023
81	Indian Patent 202341000643	**Ms.S.P.Vedavalli** Dr.C.Subramani Mr.B.Vinoth kumar Dr.P.U.Poornima Ms.S.Gomathi Dr.R.Brindha Mr.R.Elanthirayan Mr.C.Ebbie Selva Kumar	Electric vehicle battery swapping technology with IoT	04/01/2023	13/01/2023
82	Indian Patent 202341000610	Dr.R.Brindha **Ms.S.Gomathi** Dr.RSenthil kumar Dr.run noyal doss Dr.K.Mohanraj Mr.R.Elanthirayan Ms.S.P.Vedavalli Mr.B.Bharabeedharan	Smart hybrid charging station for future smart city application	04/01/2023	06/01/2023
83	Indian Patent 202341001124	Dr.M.Arun kumar Dr.B.Rajesh kumar **Mr.R. Elanthirayan** R.G.Nirmala R.Balakrishnan R.Vignesh raj C.Sankari Vigneshwaran.P	Deep Learning based technique to predict the impact of residential energy storage system modelling on power system	05/01/2023	13/01/2023
84	Indian Patent 202341001885	Harini.R Dinesh Raja N Allen Clement J	Artificial Intelligence Based Smart Diets System To Suggest Best Die All Types Of Patients And Other Peoples For Healthy	09/01/2023	20/01/2023

		Parbhat Gupta Helan Vidhya T **Janani. S (CSE)** Prof. Hepsi Natha Mr. Suraj Kumar Patel Yogeshkumar Jethabhai Miss. Pavithra V Dr Hanif Khan Pathan	Life Using Cloud Machine Learning Algorithms		
85	Indian Patent 202341001650	Dr.K.Dhana sree devi Dr.S.Ravichandran **Dr.Chamundeeshwari** Dr.Sanjay kumar Dr.M.D.Javeed ahammed Mr.M.D.Yaseen Mr.T.Dinesh Dr.L.Ravi kumar Dr.K.G.S.Venkatesan Mr.Shajahan Patan	An IoT and cloud computing based automated image segregation and method therof	09/01/2023	20/01/2023
86	Indian Patent 202341002576	Sabarish K V Rahul Kumar Dr Mohd Uruj Jaleel Vivek Kumar Prasad Sandeep Bharti Mrs. J. Agnes Disha Saini Abhishek Satyarthi Dilip Kumar Bharti Mamta Pant Ravi Pal **K. Sudha (CSE)**	AI And Cloud Based Prediction And Diagnosis Of Various Heart Diseases And Chances Of Heart Attack And To Prevent At Early Stage With Affordable Rate Using Data Mining Techniques And Machine Learning	12/01/2023	17/02/2023

87	Indian Patent 202341003890	Mr.R.Kumaravel Mr. Shuaib Ahmed Shariff Dr. G. Sangeetha Dr. G. Senthilumar Ms.Aarthi M **Dr. B. Uma Maheswari (CSE)** Mr.T.A.Mohanaprakash	An Intrusion Detection System Based On Deep Learning	20/01/2023	03/02/2023
88	Indian Patent 202341004815	Dr Suneela Bhoompally Dr R. S Srinivas Dr Vasumathi Devi Dr Qazi Mr Anandbabu G Ms S. Jayachitra **Ms Kripa Sekaran (IT)** Dr M. Murugesan Mr Prashanth MR Ananda Kumar	An artificial Intelligence and Machine Learning based system and method with improved security of nodes data in s blockchain network.	21/01/23	17/02/2023
89	Indian patent 20234 100441	Dr.N.Arunkumar Dr.R.Selvam Mr.M.Subramanian M.Siva T.Balasubramanian M.Ganesh	Natural fiber based composite material production process	23/01/2023	03/02/2023
90	Indian Patent 2023415005348	Rajib Guhathakurta **Dr.M.Rameshbabu** C.Venkatesh kumar Dr.Shilka kumari Pandey Dr.Kailash Patidar Dr.Suveg Moudgil	An adaptive Fuzzy power converter based wind energy conversion system	27/01/2023	10/02/2023
91	Indian Patent 202341005350	R.Vijayaganth Dr.Vasanthakumar Natarajan **Mr. C.Venkatesh Kumar** Dr.Sanjai Agal Dr.Swagata sarkar Bhupati	AI & ML based system for prediction of wind power for multi-turbine	27/01/2023	10/02/2023

		Dr.R.Dinesh kumar Dr.R.Kalaivani			
92	Indian patent 202341005730	Mr. G. Ashwinprabhu Dr. N. Karunagaran Mr. A. Sam Daniel Fenny Mr. G.Selvakumar Dr. R. Selvam Dr. K. M. Kumar Mr. M. Siva Mr. K. Balamanikandasuthan Mr. K. Kalaiselvan Dr.M.Venkatesan	Designing wind turbines based on future emering technologies in the wind power sector	29/01/2023	03/02/2023
93	Indian Patent 202311006403	Piyush Raja Dr. Pinagadi Venkateswara Rao Dr. B. Omkar Lakshmi Jagan Mrs. G. Sirisha **Mr. P. Varun (CSE)** Dr. Kalaivani S Mr. Ebin Antony Mr. Jacob Antony Mr. Thoram Saran Kumar Mr. I Rama Satya Nageswara Rao Dr. V. Kannan Mr.J Logeshwaran	Machine Learning Approach Based Monitoring Insect Pests In Plants Using Camera Equipped Device	01/02/2023	10/02/2023
94	Indian Patent 202341006652	Dr.Rajesh Panda Mrs.Sushree Samikshya Pattanaik Mr.Neeraj Kumar Mr.T.Dinesh Mr.MD.Yaseen Dr.Vijendra Pratap Singh **Mrs.Anitha S (IT)** Ms.Haritha Rajeev Mr.Ambuj Kumar Misra	A Multifunctional Foldable Solar Photovoltaic assembly With IOT Connectivity and method thereof	01/02/2023	24/02/2023

		Mr.Gaurav D Saxena			
95	Indian patent 202341009150	Dr.M.Saravanan Mr.S.Arul Selvan Dr. K. Ramacbandras Mr.S.Karthikeyan Y.Sravani M.Subramanisn Mr.V.Velmurugan	Fiber reinforccd composites (frc) for electric vchicles	11/02/2023	17/02/2023
96	Indian patent 202341009544	P.Premkumar N.Sathishkumar (Mech) Praveen Raja D Sri Sivaprathishwaran R M Sivaganesan K Surya Prakash S M Robin Wesly A Mohamed Imransha B Safin Fernando S Chandra Kishor R K	Low-cost smart dust bin	13/02/2023	24/02/2023
97	Indian patent 202341009791	Dr. Geethanjali G Muthukumaran R Dr. Gunji.Venkata Punna Rao Dr. Nachiappan Senthilnathan Dr. J. S. Sudarsan Dr. Drabhijt Chakraborty Muninathan K Dasari Jagan Mohan	Design and implementation of lean operation techniques in the production cycle to be sustainable	14/02/2023	24/02/2023
98	Indian Patent 202341009581	Dr.K.Sasikala (Maths)	“Machine learning approach for identifying stone from gall bladder image”	14/02/2023	24/02/2023
99	Indian Patent 202341008951	Mr.P.Chellamani (Maths)	Energy efficient and green building sustainability using photo voltaic panel for electricity generation and distribution	17/02/2023	17/02/2023

10	Indian Patent 202341011065	Dr.Battula Tirumala Krishna Ms.Supriya Dubey **Mrs.R.Shoba** Dr.R.Selvi Mr.P.Sathish Kumar Ms.S.Jayachitra Mrs.C.Selvarathi Dr.D.Gouse Peera Mr.Addagatla Prashanth Mr.A.Venugopal Rao	AI Based Detection of Cardiovascular Pathology of a Patient through Retinal Scan	18/02/2023	17/03/2023
10	Indian Patent 202311011885	Dr.Vijendra Pratap Singh Mr.Noor Basha Dr.Yashveer Singh Mr.Sagar Choudhary Mrs.Sanjana **Mrs.Sinthuja P M** Mrs.Roopalakshmi S Mrs.K.Shilpa Reddy Dr.Farhad F Mehta Dr.Vishwas Mishra	A system and method for intelligent analysis of medical data using machine learning classifiers and clusters with cloud computing	21/02/2023	17/03/2023
10	Indian patent 202341013012	Dr. Rafm Mohammed Dr.C.Sailaja Dr. Rajasekaran Shanmugam Dr. Avinash Ben Mr.M.Siva Dr.T.Subba Reddy Mr.R.Bhoopathi (Mech)	A method of controlling heat generated along the welding direction by controlling geometry of friction stir welding tools	26/02/2023	17/03/2023
10	Indian patent 202341013302	Sathishkumar Natesan Madhusuthan A.V Monish N R Mugilan Jeeva R Harish R Navinjith Ajith Naveen Dsouza A Infant Keneth X M.Abdul Wahab	Low-cost modular pneumatic bicycle	27/02/2023	17/03/2023
10	Indian Patent 202341015519	Dr M.Arulperumjothi (Maths)	Deep learning techniques to analyse the impact of artificial intelligence in quantum theory	08/03/2023	17/03/2023
10	Indian Patent	Shanthi.H.J	Intelligent analysis of medical data using	10/03/2023	24/03/2023

	202341015895	Dr.V.Priya CDr.C.N.Ravi Niranjan Rampravesh Barnwal Prof.K.Thamihmaran **Dr.T.D.Sudhakar** S.P.Santhoshkumar	Machine Learning classifiers & clusters with cloud computing		
10	Indian Patent 202341015893	Dr.Senduru Srinivasulu Dr.B.Jega jothi Dr.S.Mani Krishna kumar.L Aviral Srivatsava **Mr H Prasad** Dr.S.N.Sangeetha Niranjan rampravesh Barnawal	Improving cyber security by improved predictive potential of machine	10/03/2023	24/03/2023
10	Indian Patent 02341019753A	Dr.S.Alagu M.R.Sundarakumar D.Salangai nayagi **Dr.M.Anitha (IT)** Dr.Shantha visalakshi.U Dr.W.T.Chembian S.Karthik Dr.S.Sivasakthi	Artificial intelligent based simulation of three phase multi level inverter with fewer switch	22/03/2023	31/03/2023
10	Indian Patent 202341022907	Dr.J.Siva Ram Prasad Dr.Ch.Baby Rani Dr.E.S.Rama Ravi Kumar Dr.Valli Madhavi Koti Dr.J.V.Anil Kumar Mrs.C.Radhika **Dr.G.Manikandan (IT)** Mr.Srikanth B Mrs.Sanju Xaviar Mrs. Anusha Deshpande	An artificial intelligence and IOT based fabric defect detection system and method thereof	29/03/2023	05/05/2023
10	Indian Patent 202341022918	Dr.G.Purushothaman (Maths)	Implementation of techniques for solving differentialequations	29/03/2023	05/05/2023

			using machine learning algorithms		
11	Indian Patent 202341026769	Dr. Smitha Kurian Dr. Saurabh Suman Mrs. M. Mahabooba **Dr. L. Sherly Puspha Annabel (IT)** Dr. G. Sundar Dr. Sheshang Degadwala Dr. P. Patchaiammal Dr. Gaurav Gupta	Predicting the progression of acute respiratory syndrome impairment using machine learning analytics	11/04/2023	05/05/2023
11	Indian patent 202341027835	Dr T Balamurugan Dr. Moiz Mohammed Dr. Simanchala Das S. Palanisamy Mr. Sidharth Rajendra Patil Dr. S. Sujatha Dr,. K. Maran (Mech)	Artificial intelligence and supply chain management assessment of the present and future role played by ai in supply chain process	16/04/2023	05/05/2023
11	Indian patent 202341027813	Dr. P. Saravanan Mr. Alias Paul Dr. Sivakumar Karthikeyan Mr. D.Sakthivel Mr. B. Dhanasakkuravarthi Dr. P. Suresh Kunar Dr. B. Vjaya Ramnath	Incorporation of electric preheating and oil distribution in ic engine	16/04/2023	05/05/2023
11	Indian Patent 202341029323	Shobana.G Libi.A Venkata gowtham Ramayanam Maria sahaya diran.D Dr.Binu.V.P **Dr.Chidambararaj Natarajan** Dr.Sripriya Arunachalam Mrs.R.Vishalakshi	Credit card fraud detection system based on Artificial Intelligence (AI) techniques through Machine Learning	23/04/2023	05/05/2023
11	Indian Patent	Mr.Dileep kumar koda	Dynamic power allocation	24/04/2023	26/05/2023

	202341029506	Mr.Tammineni anil kumar Dr.Nellor Manoj kumar Dr.Patthi Sridhar **Mr.T.Srianandа Ganesh** Dr.L.Natarajan Dr.Dishore shanmugam vanaja Dr.Shallendra kumar mittal Dr.Peeyush pant	for fast and safe charging of electric vehicle using Deep Learning		
11	Indian Patent 202341030541	Dr. S Uma Shankari Mr. P Vishnu Kumar R. Shanthi D**r. P. Thilagavathi (IT)** Mr. Hiteshkumar Patel Mr. Kapil Surani Mr. Sarbojit Mukherjee Mr. Sandeep Kumar Mathariya Mrs. M. Shiva Shankari Mr. Neeraj Prakash Kulkarni Mr. Priyank Udaybhai Trivedi Dr. Kannadasan B Dr. V. Kannan Mr. J. Logeshwaran	IOT based automobile vehicle speed detection and control	28/04/2023	26/05/2023
11	Indian Patent 202311003117	Mr. Mukul Arora Dr. G. Venkat narayanan (Maths) Dr. P. Agilan (Maths) Mr. K.s. Sudhakhar (Maths) Ms. V. Devatarika Mr. V. Gokul Dr. G. Puthilibai Dr. S. Vasudhevan Ms. V. Chithra Ms. Priya Jyotiyana	Internet of things (IOT) based smart health monitoring system with long rage (LORA) Wireless Networks	05/12/2022	27/01/2023
11	Indian patent 202341003468	Dr.R. Siddheswaran Dr. C. Esther Jeyanthi Dr. R. Selvam Dr.K.M.Kumar	A smart iot enabled device for providing security in cloud network and method thereof	17/01/2023	: 17/02/2023
11	Indian patent 202341007823	Dr. Malmarugan Devanathan Dr. Vinayaka N	Differential propeller and rudder based navigation	07/02/2023	17/02/2023

		Dr. B. Anjaneyulu Dr. G Laxmaiah Mr. Anukush Balajirao Khansole Dr. Maaz Allah Khan Mr. G. Kasirajan Dr. Libin P Oommen Kunwar Haribhanu Singh Yadav V. Pugazhenthi	system for sailing vessels		
11	Indian Patent 202341008225	Dr.S.Vinod Kumar Chemical	VLSI Layout using Redundant Nodes to Increase the Reliability	08/02/2023	24/02/2023
12	Indian Patent 202241077191	Dr. P Sampath Dr. V. Kannan Mr. J Logeshwaran Dr. Seema Verma Dr. K. Sasikala (Maths) Dr. Sivanagiareddy Kalli Mr. Suprativ Saha Mrs. Pooja kumarisingh Dr. B S N Murthy Dr. C. Shobana Dr. B. Usharani	Machine learning approach for identifying stone from gall bladder image”	14/02/2023	24/02/2023
12	Indian Patent 202341009581	Dr. T. Lalitha Prof. Meenu Mangal Dr. Gurpreet Singh Matharou Mr. Vishnu Raj Matthew. K Dr. D. Kannan Dr. S. Boobalan Dr. B. Usharani Dr. C. Shobana Mr. P. Chellamani (Maths) Dr. V. Kannan Mr. J Logeshwaran	Energy efficient and green building sustainability using photo voltaic panel for electricity generation and distribution	17/02/2023	17/02/2023
12	Indian Patent 202341014650	Dr.A.Arulmozhi Ms.B.Sangeetha Dr.V.Swarnalatha Dr.S.M.Prakash Dr.J.Sivapriya (Physics) Dr.S.Kiruba Mr.V.Shenbagarajan	Analysis and Strategic Management of Nanoproducts with regard to their Sustainability Potential	4/3/2023	17/3/2023

12	Indian Patent 202341016444	Dr. Sujatha Sadana Chemical	Selection of solar farm location for Supplying energy to osmosis device System	12.3.2023	17.3.2023
12	Indian patent 202341016438	Dr. Vaddi Seshagiri Rao Sathishkumar Natesan Pravinkumar K Arockya Marklinse U Adithya Kamilla Eshwar N K Aloysius Antony Deva Ben Sam E Akash Marthandam D Bala Pravin N (Mech)	Low-cost ultraportable multipurpose agricultural cutter	12/03/2023	17/03/2023
12	Indian patent 202341016439	Dr.M.Arun N.Sathishkumar Sanjai Sriram K Thirumalai Kumaran S Reniban R Sivasubramaniyan A Sharan Shibi Winnarasan Sujith Kumar S Sree Harish Mohana Ranga S Mukesh U (Mech)	Low-cost portable automatic paper stamping machine	12/03/2023	17/03/2023
12	Indian Patent 202341022086	Dr. T. Ravindar Dr. S. J. Margarette Dr. Sivanagi Reddy Emani Dr. A. Mahalakshmi Dr. G. Murugan Dr. Nellore Manoj Kumar Dr. A. Karthikeyan Dr. Rahul Kaushik Dr. Chandra Sekhar Beera	Graphene-Coated Silicon Nanowire Anodes for High-Performance Lithium-Ion Batteries	27/3/2023	7/4/2023

		Dr. B. Vikram Babu (Physics)			
12	Indian Patent 202341008951	Dinesh G Manjunatha Gali K Santosh Reddy G Purushothaman (Maths) Dr Varsha Daulatrao Chapke Dr Shashank Singh Dr Ankita Tiwari P.Devipriya R.Sathish Kumar Dr. Alok Sharma Dr. A. K. Shrivastav Dr. Abdul Rheem	Implementation of techniques for solving differential equations using machine learning algorithms	29/03/2023	05/05/2023
12	Indian Patent 202341031912	P.V.Narendra Kumar Prof.Thakur Pranav Kumar Gautam Anurima Majumdar Rohit R Dixit Dineshkumar M Er.Sandeep Bishla Dr.R.Hema **Ms.Raghavi.S (CSE)** Dr.J.Priyadharshini Dr.Santosh Kumar Singh	Machine Learning and IoT based Automatic Prediction and Diagnosis of Lung Cancer using Neural Network Ensemble with Histogram of Oriented Gradient Genomic Features	04/05/2023	18/08/2023
12	Indian Patent 202341035158	Dr. R. Umadevi Dr. K. Vijayalakshmi Ms. R. Sumathy Ms. D. Arivukkodi (Maths) Mr. S. Prabhakar Ms. M. Gomathi	"Comparative study of reversible (esterification process) and irreversible flows on three dimensional upper convective maxwell fluid model for rate of heat t ransfer due to activation	19/05/2023	16/06/2023

			energy		
13	Indian Patent 202341035348	Ms.Neema George Dr.Anoop B K Dr.N.Susitha Dr.M.Ramesh Mr.Anandbabu Gopatoti Mr.M.Purnachandra Rao Ms.S.Jayachitra **Dr.Duraimurugan S** Mr.Addagatla Prashanth Dr.K.Abhimanyu Kumar Patro	Monitoring Agriculture Waste by Image Processing System Based on IOT	21/05/2023	18/08/2023
13	Indian patent 202341037695	Karthick A Pranav.S Sanjay.K Jaya Ramanan.V.P Abidoss.A Prakash.N Harshith Raj I K Madhan.B Manav Ajai Pranav Narayanan N.Sathishkumar Dr.N.E.Arun Kumar (Mech)	Design and fabrication of multi nut remover and fixer	31/05/2023	16/06/2023
13	Indian Patent 202341038203	Renzon Daniel Cosme Pecho Celestino Tavares da Veiga **Harish S. S.** Ashif Mohammad K. Kiran lisa Pattanayak	A Blockchain and Artificial Intelligence based IOT environment for 6G wireless Network	02/06/2023	30/06/2023
13	Indian Patent 202341044069	Dr. Sudeshna Surabhi **Dr A Tamizhselvi** Vipin Y. Borole Sachin Sharma Dr.M.Sindhu Namdeo Dada Kapale Subharun Pal	AI and Machine Learning Based Approach for Predicting Shortest Path in Google Map	30/06/2023	01/09/2023

		Ambrish Gangal Chahat Gulati Dr. A.Senthilrajan Pulicherla Siva Prasad Thulasimani T			
13	Indian Patent 202321045375	Dr.Hiren Jayantilal Dand Dr.K.Vijayakanthan Mr.S.Suresh **Ms.Archana Jenis.M.R (CSE)** Mrs.G.Divya Sai Srinivas Vellela Dr.Vijaya S.M Prof.Amruta Jagdish Killol Dr.V.Madhukar Dr.J.Juliet Josephine Joy	Artificial Intelligence based Semi Manual Telemedical Robot for Cardiopulmonary Resuscitation Chest Compressing	06/07/2023	01/09/2023
13	Indian Patent 202321048693	Dr.Charu Vaibhav Verma Dr.Arunkumar.P.M Veeralagan.J Dr.Gaurav Srivastava Dr.Upika Nanda Dr.Shradha Pandey **S.Shanthini (CSE)** P.Roy Sudha Reetha Joseph.S Regilan.S	Artificial Intelligence based Smart Conversational Robot to assist blind People of all ages using Cloud and Machine Learning Algorithms	19/07/2023	29/09/2023
13	Indian Patent 202341048831	S.Balmurugan Dr.Balbir Singh Dr.G.Ganesh Kumar Dr.Bharati Wukkadada **Reeba Rose.L (CSE)** V.Shireesha N.Valarmathi	Intelligent Bionic Noise to assist people to gain sense of smell using Convolutional Neural Networks	20/07/2023	01/09/2023

		Dr.Jawed Ahmed Dr.Shahla Tarannum Dr.Indrajit Pan Fayeza Noor Dr.Subhamita Mukherjee			
13	Indian Patent 202321049517	Dr.Sandip D Satav Roopa Devi Chandanala **Dr.B.Uma Maheswari(CSE)** Mrs.Tammali Jhansi Renuka Harsha.K.G Mrs.D.Nagasudha Dr.C.R.Rene Robin	An Automated Data Categorization and Clustering System using Unsupervised Learning Algorithms	22/07/2023	22/09/2023
13	Indian Patent 202341049880	Dr. N.R. Rajagopalan Dr. V. Swarnalatha Dr. J. Sivapriya (Physics) Dr. N. Punitha Ms. S. Savitha Dr. S.M. Prakash Ms. V. Aruna	Industrial waste water treatment technology in petroleum and chemical industrial	24/07/2023	01/09/2023
13	Indian Patent 202341052055	K.Venkatagurunatham Naidu Dr.Kunal Mishra S.Esther Nowroji Dr.Vuda Srenivasa Rao Dr.Zakir Ali Raghi.K.R Vijaysinh Kishorsinh Jadeja Mayank Pravinbhai Devani Mikin Kiritkumar Dagli **Vinu.S (CSE)** Dr.S.Siva Gowri Prasad	Blockchain and Cloud Computing based Criminal Digital Forensic Investigation and Prediction using Artificial Intelligence and Machine Learning Algorithms	02/08/2023	01/09/2023
14	Indian Patent 202341052464	Jenina Angelin.D Jeevitha.M **G.Maria Kalavathy (CSE)**	Smart Sprinkler System: Leveraging Machine Learning and IOT for Heat Mapping	04/08/2023	29/09/2023

14	Indian Patent 202341052680	Dr. M. Boopalan Dr. P. Saravanan (Physics) Dr. A. Balakrishnan Dr. C. Vijayaraj Ms. J. Sharmila Dr. G. Sasikumar Dr. S. Shunmugakani	Performance analysis and determination of heavy metals used by industrial effluents	05/08/2023	01/09/2023
14	Indian Patent 202311053271	Dr.Bharat Bhushan Agarwal Mr. Prakash Kumar H R L.Baburao Dr. N. Saravanan Dr.Priyanka Abhimanyu Pathade Mr.G.Kiran Kumar Y. Srinivasa Rao Dr.Belsam Jeba Ananth. M Mr.D.Rajkumar Dr.M Suresh (ICE) Dr. Anil Kumar Singh Dr. Harikumar Pallathadka	IOT-Based Automation for the Purpose of Monitoring temperature and Vibration in Processes and Preventing Accidents	08/08/2023	01/09/2023
14	Indian Patent 202311055314	Dr.Gaurav Srivastava Mr.S.Balasubramanian Dr.Punit Kumar Singh A.Arun **Lakshmi,S (CSE)** Sri Raman Kothuri Dr.Seema Yadav S.Gnanamurthy K.Raja Sekhar Dr.M.Thillaikarasi	Artificial Intelligence and Machine Learning based Detection and Prevention of Malarial Parasites in Blood using CNN-Deep Learning Algorithms for Health Care Management Systems	17/08/2023	15/09/2023
14	Indian Patent 202341056042	Dr.Dharmasoth Rama Devi Prof.K.Basavaiah Dr.Srinivasa Gowda.G.K Dr.Punit Kumar Gingh A.Arun Dr.Salman Akhtar Dr.Nageswara Reddy.K	Artificial Intelligence based (BP) Blood-pressure dropping System for avoidance of Cardiovascular-disease using Data Mining and Machine Learning Techniques for Health care Management	21/08/2023	01/09/2023

		Jenitha.T (CSE) S.Gnanamurthy Mr.Ayyappa Chakravarthi.M			
14	Indian Patent 202341055930	**K R Preethy** **P Deno Petrecia** **C Adeline Juanita** **M. Chamundeeswari**	Contusion Dressing Sheet Formulation Using Unification of Glycoproteins and Reduced Carbon Source	21/08/2023	06/10/2023
14	Indian Patent 202321057248	**Mr. Zaid Javed Khan** **Dr. Sahebrao Narsingrao Patil** **Ms. Harini** **Dr. Srinivasa Rao Balasani** **Dr. Vasant A. Bugade** **U Soma Naidu** **Ms.M. Revathi** **Dr.Belsam Jeba Ananth. M** **Dr.S.Vydehi** **Dr.T.Babu** **Dr. Harikumar Pallathadka**	Utilizing Block Chain and Internet of Things (IOT) Technology for Managing Batteries in Smart Electric Vehicles	25/08/2023	06/10/2023
14	Indian Patent 202341060070	Erugu Krishna Sarumathi.S M.Ramadevi V.Radha T.Hemalatha Mallikarjun Yaramadhi Naga Jyothi Orsu Rakesh K Kadu **M.R.Archana Jenis (CSE)** K.Sai Krishna Vemula Satish Mrs.S.Kayathri	Analysis of Security and Privacy Issues for Artificial Intelligence in Edge-Cloud Computing	07/09/2023	06/10/2023
14	Indian Patent 202321063636	Dr.H.Geetha (Maths)	Impact of performance-based rewards and appraisal towards development of employees skill in information technology sector	22/09/2023	20/10/2023

14	Indian Patent 202341064323	**Dr.J.T.Anita Rose (CSE)** Dr.N.Haridharan Vijaysinh Kishorsinh Jadeja Asha Yadav Payavala Sumalatha Dr.Salman Akhtar Mr.Anirudhdha Mukundchandra Nayak Ajith Kumar.D Dr.Punit Kumar Singh Amod Kumar	Artificial Intelligence Based Smart System for Heart Sound Detection and Classification using Signal Processing and Machine Learning Algorithms to avoid Heart attack and other heart diseases	25/09/2023	06/10/2023
15	Indian Patent 202321066952	Dr.K.Sasikala	Analysis of how language can be learned through literature	05/10/2023	05/10/2023
15	Indian Patent 202311074355	Dr.G.Purushothaman (Maths)	A Graph-Based Artificial Intel IOT Network Security and Attack Detection Systems	31/10/2023	24/11/2023

Dr. VADDI SESHAGIRI RAO, M.E., M.B.A., Ph.D.
PRINCIPAL
St. JOSEPH'S COLLEGE OF ENGINEERING
(AN AUTONOMOUS INSTITUTION)
OLD MAMALLAPURAM ROAD, CHENNAI-600 119.

CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025

Dr. K.P. JAYA
DIRECTOR

Telephone : +91-44-2235 7360/2235 0361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com

Lr.No. 1317/IR/EEE/AR2

Date : 29.01.2019

ST. JOSEPH'S COLLEGE OF ENGINEERING
18 FEB 2019
CHENNAI - 600 119.

To
The Principal
St.Joseph's College of Engineering,
Old Mamallapuram Road,
Chennai - 600119

Sir/Madam,

Sub : Anna University - Research Centre Recognition - Department of Electrical and Electronics Engineering - Renewal - Orders - Issued.

*****

I am to inform that the recognition of the Department of Electrical and Electronics Engineering of your Institution has been renewed up to December 2021 as per "Common Renewal Session" to do collaborative research programme with this University.

The recognized supervisors working in the above Department may be permitted to guide candidates to carry out Ph.D./M.S. (By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre including the availability of two faculty members with Ph. D. Degree in the broad area of research.

In all future correspondence quote "4131708" for reference.

The next renewal application in the prescribed format is available on our website: cfr.annauniv.edu along with the number of papers published in SCI Journals during the recognized period shall be made during **December 2021** with a renewal fee.

Yours faithfully,

29/01/19
DIRECTOR

29.1.19.

CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025

Dr. K.P. JAYA
DIRECTOR

Telephone +91 44 2235 7166/2235 0361
Fax +91-44-2220 1213
Email dirresearch@annauniv.edu
dirresearch@gmail.com

Lr.No. 1317/IR/Mech/AR2

Date : 31.08.2018

To
The Principal
St.Joseph's College of Engineering,
Semmencherry,
Chennai - 600119

050918

Sir/Madam,

Sub : Anna University - Research centre recognition - Department of Mechanical Engineering - Renewal - Orders - Issued.

*****

I am to inform that the recognition of the Department of Mechanical Engineering of your Institution has been renewed up to June 2021 as per "Common Renewal Session" to do collaborative research programme with this University.

The recognized supervisors working in the above Department may be permitted to guide candidates to carry out Ph.D./M.S. (By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

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Yours faithfully,

31/8/18
DIRECTOR

CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025

Dr. R. JAYAVEL
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com

1299

Lr.No. 1317/IR/CSE/AR2

Date : 14.02.2018

To
The Principal
St. Joseph's College of Engineering,
Jeppiaar Nagar OMR,
Chennai-600119

Sir/Madam,

Sub : Anna University - Research centre recognition - Department of Computer Science and Engineering - Renewal - Orders - Issued.

*****

I am to inform that the recognition of the Department of Computer Science and Engineering of your Institution has been renewed up to December 2020 as per "Common Renewal Session" to do collaborative research programme with this University.

The recognized supervisors working in the above Department may be permitted to guide candidates to carry out Ph.D./M.S. (By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

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The next renewal application in the prescribed format available in our website: cfr.annauniv.edu along with the number of papers published in SCI Journals during the recognized period shall be made during **December 2020** with a renewal fee.

Yours faithfully,

14/2

DIRECTOR

CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025

Dr. K.P. JAYA
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com

Lr.No. 1317/IR/ECE/AR2

Date : 29.01.2019

To
The Principal
St.Joseph's College of Engineering,
OMR Semmencherry,
Chennai - 600119

ST. JOSEPH'S COLLE
OF ENGINEERING
FEB 2019
CHENNAI - 600 11

Sir/Madam,

Sub :Anna University - Research Centre Recognition - Department of Electronics and Communication Engineering - Renewal - Orders - Issued.

*****

I am to inform that the recognition of the Department of Electronics and Communication Engineering of your Institution has been renewed up to December 2021 as per "Common Renewal Session" to do collaborative research programme with this University.

The recognized supervisors working in the above Department may be permitted to guide candidates to carry out Ph.D./M.S. (By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre including the availability of two faculty members with Ph. D. Degree in the broad area of research.

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Yours faithfully,

29.1.19

DIRECTOR

29/1/19.

CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025

Dr. K.P. JAYA
DIRECTOR

Telephone : +91-44-2235 7360/2235 0361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com

Lr.No. 1317/IR/EEE/AR2

Date : 29.01.2019

ST. JOSEPH'S COLLEGE OF ENGINEERING
18 FEB 2019
CHENNAI - 600 119.

To
The Principal
St.Joseph's College of Engineering,
Old Mamallapuram Road,
Chennai - 600119

Sir/Madam,

Sub : Anna University - Research Centre Recognition - Department of Electrical and Electronics Engineering - Renewal - Orders - Issued.

*****

I am to inform that the recognition of the Department of Electrical and Electronics Engineering of your Institution has been renewed up to December 2021 as per "Common Renewal Session" to do collaborative research programme with this University.

The recognized supervisors working in the above Department may be permitted to guide candidates to carry out Ph.D./M.S. (By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre including the availability of two faculty members with Ph. D. Degree in the broad area of research.

In all future correspondence quote "4131708" for reference.

The next renewal application in the prescribed format is available on our website: cfr.annauniv.edu along with the number of papers published in SCI Journals during the recognized period shall be made during **December 2021** with a renewal fee.

Yours faithfully,

29/01/19

DIRECTOR

29.1.19.