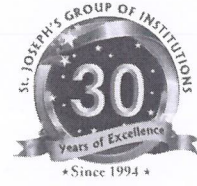


You Choose, We Do It
St. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai - 119



6.2.1 Perspective Plan and Deployment Documents

Sl. No.	Particulars	Page No.
1.	Research publications	2
2.	Research projects received	26
3.	Patents published and granted	28, 47
4.	Anna University approved research centers	49

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	Subramanian, Ranjith ; Jayarin, Jesu ; Chandrasekar, Arumugam	Hybrid Deep Learning Approach for 6G MIMO Channel Estimation and Interference Alignment HetNet Environments	2023
2	Nivedha, E., Chandrasekar, A., Jothi, S.	An optimal hybrid AI-ResNet for accurate severity detection and classification of patients with aphasia disorder	2023
3	Karthi, M., Jothi, S., Chandrasekar, A.	The self-adaptive dwarf mongoose optimized bidirectional network approach for enhanced recognition of overlapped English cursive characters	2023
4	Bushra, S.N., Subramanian, N., Chandrasekar, A.	An optimal and secure environment for intrusion detection using hybrid optimization based ResNet 101-C model	2023
5	Ranjith, S., Jesu Jayarin, P, Chandra Sekar, A.	A multi-fusion integrated end-to-end deep kernel CNN based channel estimation for hybrid range UM-MIMO 6G communication systems	2023
6	Stephen, A., Punitha, A, Chandrasekar, A.	Designing self attention-based ResNet architecture for rice leaf disease classification	2023
7	Chandrasekar, A., Subhashini, G.	Hybrid deep learning technique for optimal segmentation and classification of multi-class skin cancer	2023
8	Jeniffer, J. Thresa ; Chandrasekar, A; Jothi, S	Symbiotic Organisms Search Optimization based Faster RCNN for Secure Data Storage in Cloud	2023
9	Anitha, S., Saravanan, S, Chandrasekar, A.	Trust management based multidimensional secure cluster with RSA cryptography algorithm in WSN for secure data transmission	2023
10	Baskaran,D; Nagamani, Y;Merugala,S; Premnath,Sp	MSRFNet for skin lesion segmentation and deep learning with hybrid optimization for skin cancer detection	2023
11	Thilakavathy, P., Diwan, B.	Intelligent quotient estimation from MRI images using optimal light gradient boosting machine	2023
12	Thilakavathy, P., Diwan, B.	An Adaboost Support Vector Machine Based Harris Hawks Optimization Algorithm for Intelligent Quotient Estimation from MRI Images	2023
13	Rosy Salomi Victoria, D., Princy Magdaline, P., Glory Ratna Mary, D.	Intelligent resource allocation decision using deep learning and optimization techniques for HetNets	2023

14	Roselin Mary, S., Singh, M., Aparna, N., Rosy Salomi Victoria, D.	Semantic Segmentation for Brain Injury Using Multi-Class Deep Level Convolution Networks	2023
15	K. Srujan Raju, Manmohan Singh, T. Subburaj, Rashima Mahajan, D. Rosy Salomi Victoria, R. Ramkumar & J. Fahamitha	Statistical Evaluation of Network Packets in an Intrusion Detection Mechanism Using ML and DL Techniques	2023
16	Vidhya, R , Banavath, Dhanalaxmi , Kayalvili, S , Naidu, Swarna Mahesh , Charles Prabu, V , Sugumar, D , Hemalatha, R , Vimal, S, Vidhya, R.G	Alzheimer's disease detection using residual neural network with LSTM hybrid deep learning models	2023
17	Justus, J.J., Anuradha, M.	Resource allocation scheme for CCRN using hybrid Giza Pyramids construction-based complex-valued satin bowerbird optimization	2023
18	Sheeba, A., Uma Maheswari, B.	An efficient fault tolerance scheme based enhanced firefly optimization for virtual machine placement in cloud computing	2023
19	Maguluri, Lakshmana Phaneendra, Vinya, Viyyapu Lokeshwari, Goutham, V, Uma Maheswari, B, Kumar, Boddepalli Kiran , Musthafa, Syed , Manikandan, S , Srivastava, Suraj Munjal, Nehai	Unravelling the gait and balance: A novel approach for detecting depression in young healthy individuals	2023
20	Ahila Devi, E., Chandrasekar, A., Radhika, S.	WSO-T2FSM: War strategy optimization-based type-2 fuzzy-based starling murmuration for addressing the routing problem in mobile ad hoc network	2023
21	Devi, E.A., Radhika, S., Chandrasekar, A.	An energy-efficient MANET relay node selection and routing using a fuzzy-based analytic hierarchy process	2023
22	Jeipratha, P.N., Vasudevan, B.	Optimal gene prioritization and disease prediction using knowledge based ontology structure	2023
23	Saraladeve, L., Chandrasekar, A.	A Novel Hybrid Intrusion Detection model for Internet of Things using Machine learning	2023

24	Saraladeve, L., Chandrasekar, A.	An Effective IDS Framework for IoT using Feature Selection and Classification Model	2023
25	Karthikeyan, D., Kannan, D., Gunasekaran, B., ...Ramkumar, R., Vijayakumar, K.	Soil pH periodic assortment with smart irrigation using aerial triboelectric nanogenerator	2023
26	Senthil Murugan M., Bhuvana B. P. And Jayabharathi P	An efficient implementation of Hybrid Signcryption Processor using Flexible Encryption and Signature Techniques	2023
27	Muthulakshmi, V., Hemapriya, N.	CNN-based dermoscopic analysis of vascular skin lesions in the prognosis of skin lesion sarcoma based on ensemble learnin	2023
28	Muthulakshmi, V., Shajin, F. H., Dhiviya Rose, J., And Rajesh, P.	Generative Adversarial Networks Classifier Optimized with Water Strider Algorithm for Fake Tweets Detection	2023
29	Pradeep, J., Vengadkrishnan, K., Palani, A., Sandirasegarane, T.	A new tri-source symmetric cascaded multilevel inverter topology with reduced power components	2023
30	Jayarama Pradeep, A. Jamna & Ramakrishnann Sasikumar	Low-Cost Voice-Controlled Prosthetic Arm with Five Degrees of Freedom	2023
31	B. Neeraja, M. Ramesh Babu, Neeraj Kumar ...	PI Controller Based Power Factor Correction Circuit for Plug-in Hybrid Electric Vehicle Using Solar Charging Module	2023
32	Sriram A., Sudhakar T.D.	Photovoltaic Cell Panels Soiling Inspection Using Principal Component Thermal Image Processing	2023
33	Indira Damarla, M. Venmathi, Ramudu Ganji Sangari A	A quick demagnetization approach for low torque ripple in three-phase switched reluctance motor drive system for electric vehicle applications	2023
34	Indira Damarla, M. Venmathi, V. Krishnakumar, P. Anbarasan	Performance analysis of FEC based SR motor drive using fuzzy tuned PI controller	2023
35	Prashant Diwan, A. Nagarajan, B. Mahendran, V.	HEG-T2F: Hybrid Ebola Gannet-Based Type 2 Fuzzy-Based Controller for Modular Multilevel Converter	2023
36	Raj, P.J., Prabhu, V.V., Krishnakumar, V., Anand, M.C.J.	Solar Powered Charging of Fuzzy Logic Controller (FLC) Strategy with Battery Management System (BMS) Method Used for Electric Vehicle (EV)	2023

37	Vijayaragavan, M., Krishnakumar, V., Vasan Prabhu, V.	Energy management approach in electric vehicle with optimizing electricity consumption cost using hybrid method	2023
38	N. Madhanakkumar, M. Vijayaragavan, V.Krishnakumar, Kannan P	Optimal battery-swapping mechanism for electric vehicles using hybrid approach	2023
39	Sridharan, S.,Sivakumar, S.,Shanmugasundaram, N.Swapna, S.,Vasan Prabhu, V.	A hybrid approach based energy management for building resilience against power outage by shared parking station for EVs	2023
40	Sridharan, S., Shanmugasundaram, N., Anna Devi, E., Vasan Prabhu, V., Velmurugan, P.	Slime Mould Algorithm (SMA) and Adaptive Neuro-Fuzzy Inference (ANFIS)-Based Energy Management of FCHEV Under Uncertainty	2023
41	Nagulsamy Nalini ; Chandrasekaran Kumar ; Natarajan Chidambararaj	Integrated approach for dynamic economic/emission dispatch problem: multi-objective moth flame optimizer with transmission loss prediction using cascaded forward neural network	2023
42	P Anbarasan, M.Venmathi,V.Krishnakumar, Suresh.M, Om Prava Mishra, Ponarun ,Muni Raj,Kishor Kumar	A Novel Design and Development of Multilevel Inverters for Parallel Operated PMSG-Based Standalone Wind Energy Conversion Systems	2023
43	Naresh Kumar M., Venkatesh Kumar C., D. Kamalakkannan, Kaushalya Kalpanadevi	An Optimized PV-Based Multi-Port Plug-In EV Charger Using Improved Particle Swarm Optimization Algorithm	2023
44	Ramesh Velumayil,A. Seikh,Vedagiri Balasubramanian,Abul Kalam, S. Ravishankar, Jayaprakash Venugopal,Lakshmikanthan Chitra, Lakshmanasamy Saravanakumar, T.S. Senthilkumar	Performance enhancement of water output via latent heat storage system with single slope solar stills	2023
45	S. Raramakrishnan, R. Agilesh Saravanan, M. Thiyagesan, Vinjamuri Venkata Kamesh, J. Sumathi, Narendra Kumar, S. Kiruba	Hexabenzocoronene: A Material With Great Potential For Eco-Friendly, High-Performance Optoelectronic Devices	2023
46	Philip Raja S, Suresh S, Padmamalini N, Manimegalai K, Venkateswaran C	Structural, and magnetic studies of a novel homemade spray pyrolysis synthesized Fe-doped CeO ₂ thin films	2023

47	M.Muththamizh, N.Punitha, D. Geetha, P. S. Ramesh	Green Synthesis of CuO Nanostructures from Murraya koenigii Leaf Extract and Photodegradation Efficiency on Methyl Orange Dye	2023
48	R Mohan, C Rakkappan, N Punitha, K Jayamoorthy, G. Venkatesh	Effect of MPA capping on the structural, optical and thermal properties of Zn _{0.96} Ni _{0.04} S nanoparticles	2023
49	R Mohan, C. Rakkappan, N. Punitha, K. Jayamoorthy, N Srinivasan, P. Magesan, N. Srinivasan	Investigations on capping-induced changes in structural, optical, and thermal properties of Zn _{0.96} Ni _{0.04} S nanoparticles	2023
50	S.Manikandan, P. Krishnan, P. Rajesh, T. Sundareshwaran	Synthesis, growth, structural, and optical properties of benzotriazolium oxalate dihydrate (BTO) single crystal	2023
51	N Ahmed, S. Devi, M A Dar, S K M Ibrahim, N Sharma, S Paul, S R Ahamed	Anode material for solid oxide fuel cell: a review	2023
52	S. Muruganandam, S. Kannan, S.R. Anishia, P. Krishnan	Electrochemical performance of Yttrium doped SnO ₂ -NiO nanocomposite for energy storage applications	2023
53	K.Sathesh Kumar, N. Haridharan, S. Ranjith A. Nataraj	Studies on the DFT calculations and molecular docking of versatile molecular sensor 1-(6-Aminopyridin-2-yl) -3-(4-nitrophenyl) urea	2023
54	S.Shunmugakani, P. Saravanan, A. Balakrishnan, V. Swarnalatha, R. Rajitha, E. Rajini	Inclusion Complex of Histidine-Cyclic Voltametry	2023
55	Saravanan P, Anandkumar S, Sharmila J, Chamundeeswari M, Suresh S, Nisha P	Development and characterization of DGEBA-APTES-ZrO ₂ nanocomposite coatings for anti-corrosion and anti-fouling	2023
56	Sharmila J, Saravanan P, Suresh S, Chamundeeswari M	Photocatalytic degradation of reactive dyes using natural photo-smart pigment—A novel approach for waste water re-usability	2023
57	K Jayamoorthy, Nr Rajagopalan, Sm Prakash, B Subash, G Murugan, Ki Dhanalekshmi, S Suresh, R Sasikala, K Saravanan, M Venkatesh Perumal	Catalytic synthesis and characterization of aryl benzimidazole and its interaction with TiO ₂ nanoparticles: ESIPT process	2023

58	S Mohan, P Navamani, Ki Dhanalekshmi, K Jayamoorthy, N Srinivasan	NMR spectral, DFT and antibacterial studies of triazole derivatives	2023
59	B Subash, R Sasikala, K Jayamoorthy, P Magesan	Heterojunction of Bentonite Clay supported Bi ₂ O ₃ /ZnO composite for the detoxification of azo dyes under UV-A light illumination	2023
60	Sasikumar G, Subramani A Tamilarasan R, Rajesh P Sasikumar P, Albukhaty S Mohammed M.K Karthikeyan S, Al-Aqbi Z.T Al-Doghachi F.A Taufiq-Yap Y.H	Catalytic, Theoretical, and Biological Investigations of Ternary Metal (II) Complexes Derived from L-Valine-Based Schiff Bases and Heterocyclic Bases.	2023
61	S. Arulmozhi, G. Sasikumar, A. Subramani, M. K. A Mohammed, S. J Askar Ali, S. Ponnusamy, M. S Jabir, A. M Elgorban, W. Zhang, H. Natarajan	Chemical, Pharmacological, and Theoretical Aspects of Some Transition Metal(II) Complexes Derived from Pyrrole Azine Schiff Base	2023
62	G. Padmasree, Kodumuri Veerabhadra Rao, K. Anuradha, A. Arun Kumar, S. Rama	Studies on the Nucleation, Photoluminescence, and Photoconductivity of Semi-Organic Lithium Fumarate Crystals	2023
63	K. Manimekalai, P. Jayaprakash, N. Padmamalini, S. Rama	The effect of magnesium chloride doping on structural, thermal, optical, nonlinear optical and electrical properties of Potassium Dihydrogen Phosphate single crystal	2023
64	Iftikhar A. Tayui, Mayur D. Jakhete, Sporthi B. Shetty, Ashish Verma, Mohit Tiwari, S. Kiruba	Sustainable healthcare AI-Enhanced materials discovery and design for eco-friendly and biocompatible medical applications	2023
65	Richard, Amala S., Praveena, N. Jose Parvin, Rajkumar A.	Special Single Valued Octagonal Neutrosophic Number And Its Applications Using Matlab Programming	2023
66	S. Prabhu, M. Arulperumjothi, Juan Luis García Guirao, R. Muthucumaraswamy, V. Gayathri & M. R. Farahani	On Counting Polynomials Of Supercoronenes And Triangle-Shaped Discotic Graphene	2023
67	S. Markkandeyan, Shivani Gupta, G. Venkat Narayanan, M Jithender Reddy, Mahmoud Ahmad Al- Khasawneh, Mohammad Ishrat, Ajmeera Kiran	Deep Learning Based Semantic Segmentation Approach For Automatic Detection Of Brain Tumor	2023

68	Said Broumi, R. Sundareswaran, M. Shanmugapriya, P. Chellamani, Assia Bakali, Mohamed Talea	Determination Of Various Factors To Evaluate A Successful Curriculum Design Using Interval-Valued Pythagorean Neutrosophic Graphs	2023
69	S. Gomathy, , N. Jose Parvin Praveena , A. Rajkumar , Broumi Said	Analyses The Causes Of Alcoholism Using Triangular Neutrosophic Soft Set In A Neutrosophic Environment.	2023
70	Vyas, M., Purushothaman, Jayareka, K.S., Deepthika, K., Srivastava, A.	Enhancing Cloud Security With A Fuzzy Rule-Based Classifier For Intrusion Detection And Classification	2023
71	N Saikumari, Ks Sudhakhar	Extensive Function Of Green Synthesized Titania Nanoparticles: Photodegradation Of Congo Red.	2023
72	S. Prabhu ,M.Arulperumjothi, Muhammad Usman Ghani, Muhammad Imran, S. Salu And Bibin K. Jose	Computational Analysis Of Some More Rectangular Tessellations Of Kekulenes And Their Molecular Characterizations	2023
73	S.Sudha, B.Shoba, A.Rajkumar, Broumi Said	Bipolar Triangular Neutrosophic Chromatic Numbers With The Application Of Traffic Light System	2023
74	Mohammed M. Al-Shamiri, V. Rexma Sherine, G. Britto Antony Xavier, D. Saraswathi, T. G. Gerly, P. Chellamani, Manal Z. M. Abdalla, N. Avinash, M. Abisha	A New Approach To Discrete Integration And Its Implications For Delta Integrable Functions	2023
75	Saikumari Narasingapillai *, Sudhakharkaruneegar Sreenivasan	Adsorptive Performance Of Sunflower Seed Ash As A Novel Biosorbent For The Elimination Of Congo Red From Aqueous Solution	2023
76	Ganesh Purushothaman, Kannan Suresh, Ercan Tunc, , Ethiraju Thandapani	Oscillation Criteria Of Fourth-Order Nonlinear Semi-Noncanonical Neutral Differential Equations Via A Canonical Transform	2023
77	Abraham D.Egan L., B.Shoba, Rajkumar A., Broumi Said	Selection Of Agricultural Aircraft In Bipolar Neutrosophic Environment Using Bipolar - Topsis Method	2023
78	Graef J R, Purushothaman G, Suresh K, Thandapani E	Oscillation Criteria For Fourth Order Delay Differential Equations Using Canonical Transformations	2023

79	M. Monika, Udutha Rajender, Tamizhselvi And Aniruddha S Rumale	Real-Time Object Detection in Videos Using Deep Learning Models	2023
80	S. Gomathi, J. Sivapriya, M. Kalaiyarasi, J. Sivakumar, S. Jaanaa Rubavathy, Atul Kumar	Analysing the performance ceiling of RbSnGeI3 based leadfree stable perovskite solar cell	2023
81	Elaveni Palanivel Shirley Selvan	Integrated mixture model and ensemble learning geographic object-based image analysis for road network extraction	2023
82	C. Narmadha , R. Muthuselvi , P. Somasundari , G. Sivagurunathan , Malini K V , Sathishkannan	Cloud-based Detection of Malware and Software Privacy Threats in Internet of Things using Deep Learning Approach	2023
83	Dr.R. Niruban, R.Deepa	Graph neural network-based remote target classification in hyperspectral imaging	2023
84	Hezekiah, James D K, K C Ramya, Sathya Bama K, Vishnu Murthy K, Malathi D, Avudaiammal R, And R Maheswar	Review of Next-Generation Wireless Devices with Self-Energy Harvesting for Sustainability Improvement	2023
85	Gopu Venugopal A , Arun Kumar Udayakumar B, Nutan Saha C , Anushkannan Nedumaran Kalavathy D , Adhavan Balashanmugham , Vasudevan B	Augmented energy transformative intrinsic algorithm based improved power quality in fuel cell driven dynamic voltage restorer	2023
86	Sundarakumar, M.R.A; Salangai Nayagi, D.B Vinodhini, V.C Vinayagapriya, S	A Heuristic Approach to Improve the Data Processing in Big Data using Enhanced Salp Swarm Algorithm (ESSA) and MK-means Algorithm	2023
87	G.Anitha, J.Martin Leo Manickam, Surapeneni Krishna Mohan	Enhanced stacking ensemble Model: A statistical ensemble pruning framework to classify anxiety severity for responsive emergency preparedness	2023
88	P.N. Renjith, G.Sujatha, M.Vinoth, G.D.Vignesh, M.Ramkumar Prabhu, B.Mouleswararao	Deep reinforcement learning for comprehensive route optimization in elastic optical networks using generative strategies	2023
89	Chillakuru, P.D., Vignesh, G.D., Maheswari,S., Mouleswararao, B.	Adaptive rate and modulation scheme for M2M communication using quantum optical and 5G communication”,	2023

90	Subudhi, S., Dabhade, R.G., Shastri, R., Vignesh, G.D	Empowering sustainable farming practices with AI-enabled interactive visualization of hyperspectral imaging data	2023
91	R. Deepa, T. Sree Sharmila , R. Niruban	Dynamic graph neural network-based computational paradigm for video summarization	2023
92	R. Avudaiammal, Vijayarajan Rajangam, Durai Raji.V And Senthil Kumar	Color models aware hybrid feature extraction method for forest fire detection using SVM classifier	2023
93	Devipriya S., Martin Leo Manickam J	Outage Performance and Ergodic Capacity of User Pairing in Downlink MIMO-NOMA systems with Imperfect SIC Over Nakagami-m Fading Channels	2023
94	S. Immaculate Joy , K. Senthil Kumar, M. Palanivelan, And D. Lakshmi	Review on Advent of Artificial Intelligence in Electrocardiogram for the Detection of Extra-Cardiac and Cardiovascular Disease	2023
95	Avudaiammal.R, Madhavan. J, Venkatesan.K, Rahayu.S.B	Intrinsic and extrinsic approaches to mitigate FWM”, Optoelectronics and Advanced Materials	2023
96	Kumar, V. Ashok ; Arivazhagan, S. ; Balaji, T.	Experimental investigation of an automobile radiator using carbon based hybrid nano coolant	2023
97	V Ashok Kumar, K Muninathan, S Arivazhagan, N Monish, M Venkata Ramanan, Vaddi Seshagiri Rao, Gurunathan Baskar	Investigations on carbonization operating conditions of ANSYS customized kiln for charcoal production from Prosopis juliflora biomass and ANN model prediction for optimized	2023
98	Vinothkumar Sivalingam Qian Zhou Ganesh Manickajothi Nimel Sworna Ross Jie Sun Munish Kumar Gupta Mehmet Erdi Korkmaz Thangapandian Nagamalai	Understanding the machining characteristics of Al6082 hybrid metal matrix composites milled under cryogenic cooling conditions	2023
99	Nimel Sworna Ross C. Gopinath V. Sivaraman M. Belsam Jeba Ananth Munish Kumar Gupta Mehmet Erdi Korkmaz Muhammad Jamil M. Ganesh	A new approach of measurement and analysis of PVD - TiAlN coated carbide tools in machining of Monel 400 alloy under hybrid cooling conditions	2023
100	Nimel Sworna Ross Ritu Rai, M.B.J. Ananth D. Srinivasan, M. Ganesh Munish Kumar Gupta Mehmet Erdi Korkmaz Grzegorz M. Kr’Olczyk	Carbon emissions and overall sustainability assessment in eco-friendly machining of Monel-400 alloy	2023

101	Nimel Sworna Ross M. Ganesh, M. Belsam Jeba Ananth, M. Kumar Ritu Rai, Munish Kumar Gupta, Mehmet Erdi Korkmaz	Development and potential use of MWCNT suspended in vegetable oil as a cutting fluid in machining of Monel 400	2023
102	Murugapoopathi, S., Ashwin Prabhu, G. Chandrasekar, G., Gavaskar.Thodda. Sudhagar, S.	Fabrication and Characterisation of Saw Dust Polymer Composite	2023
103	Gavaskar. Thodda, Venkata Ramanan. M, Arun. K, Arivazhagan. S	The combined effect of green synthesized nitrogen-doped carbon quantum dots blended jackfruit seed biodiesel and acetylene gas tested on the dual fuel engine	2023
104	G. M. Lionus Leo, S Murugapoopathi, Gavaskar Thodda, Sagar M Baligheid, Ravikumar Jayabal, Mukilarasan Nedunchezhiyan, Yuvarajan Devarajan	Optimisation and environmental analysis of waste cashew nut shell oil biodiesel/cerium oxide nanoparticles blends and acetylene fumigation in agricultural diesel engine	2023
105	T. Raja Thodda.Gavaskar Akshay Loyte, Jiwak Suryawanshi, Girish Bhiogade, Yuvarajan Devarajan	Novel Approach for Efficient Operation and Reduced Harmful Emissions on a Dual-Fuel Research Engine Propelled with Hydrogen-Enriched Natural Gas and Diesel	2023
106	Sagar M Baligheid, T Arunkumar, Gavaskar Thodda, K Elangovan	Fabrication of HAp/rGO nanocomposite coating on PEEK: Tribological performance study	2023
107	Gavaskar Thodda, Venkata Ramanan Madhavan, Lakshmanan Thangavelu	Predictive modelling and optimization of performance and emissions of acetylene fuelled CI engine using ANN and RSM	2023
108	Gavaskar Thodda, Arun Kathapillai, Venkata Ramanan Madhavan, Murugapoopathi Saravanamuthu	Experimental analysis on the influence of compression ratio, flow rate, injection pressure, and injection timing on the acetylene—diesel aspirated dual fuel engine	2023
109	Gavaskar Thodda. Sagar M. Baligheid, Syed Abdullah , Dinesh Kumar Rajendran	Investigation on Fatigue Life of Hap and RGO Hybrid Coating on the Peek Artificial Screws For Dental Implant	2023

110	G. Velmurugan, Jasgurpreet Singh Chohan, R. Sathish, Ramesh Velumayil, R. Ranjith Kumar, D. Elil Raja, M. Nagaraj & A. John Presin Kumar	Exploring Mechanical and Flammability Traits in Hybrid Composites of Crown Flower/Nano SiO ₂ /4ZnO·B ₂ O ₃ ·H ₂ O under Cryogenic Conditions: an Experimental Study.	2023
111	G Velmurugan, S Suresh Kumar, Jasgurpreet Singh Chohan, R Sathish, S Panneer Selvan, Sa Muhammed Abraar, D Elil Raja, M Nagaraj, Sivaprakasam Palani	Hybrid calotropis gigantea fibre-reinforced epoxy composites with SiO ₂ 's longer-term moisture absorbable and its impacts on mechanical and dynamic mechanical properties	2023
112	Lionus Leo George Mary, Subramanian Manivel, Shalini Garg, Vinoth Babu Nagam, Komal Garse, Ranjit Mali, Tm Yunus Khan, Rahmath Ulla Baig	Exploring the Impact of Al ₂ O ₃ Additives in Gasoline on HCCI-DI Engine Performance: An Experimental, Neural Network, and Regression Analysis Approach	2023
113	M Subramanian, R Selvam, N Monish, Babu Vinoth	Multi-attribute optimization of AWJM parameters on hybrid kevlar/SS wire mesh epoxy composites	2023
114	R Bhuvaneswari, M Diviya, M Subramanian, Ramya Maranan, R Josphineleela	Hybrid generative model for grading the severity of diabetic retinopathy images	2023
115	R Selvam, M Subramanian, M Diviya, Tm Yunus Khan, Rahmath Ulla Baig, Tansir Ahamad, Md Abul Kalam, Abdul Razak, N Monish, Anteneh Wogasso Wodajo	Effect of silicon carbide on kerf convergence and irregularity of the surface during abrasive water jet machining of fiber-metal hybrid composites	2023
116	N Pragadish Kaliappan S Subramanian M Natrayan L Satish Prakash K Ram Subbiah Anil Kumar Tch	Optimization of cardanol oil dielectric-activated EDM process parameters in machining of silicon steel	2023
117	N E Arun Kumar Subramanian M Suresh Babu A Elakkiyadasan R	Performance evaluation of cryogenic treated and untreated brass electrode in wire-EDM	2023
118	M.Siva Arunkumar N M.Subramanian R Elakkiyadasan	Influence of micro-electrical discharge machining parameters on the surface morphology of the nickel-coated electrode	2023
119	Sasikumar, S., Pugalenth, R., Sasikala, G.M., Rajakumar, M.P.	Medical Image Segmentation and Classification Using Modified DoubleU-Net and PolyNet Deep Neural Networks	2023
120	Daniel, J., Shyamala, R., Pugalenth, R., Mohan Kumar, P.,	RANC-CROP Recommendation Attributed to Soil Nutrients and Stock Analysis Using Machine Learning	2023

121	B Ragini, S Kandhasamy, Jp Jacob, S Vijayakumar	Synthesis and in vitro characteristics of biogenic-derived hydroxyapatite for bone remodeling applications	2023
122	Das, A., Li, H., Kataki, R., Agrawal, P.S., Moyon, N.S., Gurunathan, B., Rokhum, S.L.	Terminalia arjuna bark – A highly efficient renewable heterogeneous base catalyst for biodiesel production	2023
123	Jayakumar, M., Bizuneh Gebeyehu, K., Deso Abo, L., Wondimu Tadesse, A., Vivekanandan, B., Prabhu Sundramurthy, V., Bacha, W., Ashokkumar, V., Baskar, G.	A comprehensive outlook on topical processing methods for biofuel production and its thermal applications: Current advances, sustainability and challenges	2023
124	Jayakumar, M., Gindaba, G.T., Gebeyehu, K.B., Periyasamy, S., Jabesa, A., Baskar, G., John, B.I., Pugazhendhi, A.	Bioethanol production from agricultural residues as lignocellulosic biomass feedstock's waste valorization approach: A comprehensive review	2023
125	Gebremariam, E.C., Malede, Y.C., Prabhu, S.V., Varadharajan, V., Manivannan, S., Jayakumar, M., Gurunathan, B.	Development of bio-based adhesive using tannery shaving dust: Process optimization using statistical and artificial intelligence techniques	2023
126	Kasinathan Cholapandian, Rajendran Naveenkumar And Gurunathan Baskar	Utilization of zinc doped biochar catalyst for biodiesel production from waste	2023
127	Ruatpuia J.V.L.; Halder G.; Mohan S.; Gurunathan B.; Li H.; Chai F.; Basumatary S.; Lalthazuala Rokhum S.	Microwave-assisted biodiesel production using ZIF-8 MOF-derived nanocatalyst: A process optimization, kinetics, thermodynamics and life cycle cost analysis	2023
128	Sahu S.; Saikia K.; Gurunathan B.; Dhakshinamoorthy A.; Rokhum S.L.	Green synthesis of CaO nanocatalyst using watermelon peels for biodiesel production	2023
129	Das A.; Kodgire P.; Li H.; Basumatary S.; Baskar G.; Rokhum S.L.	Recent Advances in Conversion of Glycerol: A Byproduct of Biodiesel Production to Glycerol Carbonate	2023
130	Ashok Kumar V.; Muninathan K.; Arivazhagan S.; Monish N.; Venkata Ramanan M.; Seshagiri Rao V.; Baskar G.	Investigations on carbonization operating conditions of ANSYS customized kiln for charcoal production from Prosopis juliflora biomass and ANN model prediction for optimized operating conditions	2023
131	Chormare R.; Moradeeya P.G.; Sahoo T.P.; Seenuvasan M.; Baskar G.; Saravaia H.T.; Kumar M.A.	Conversion of solid wastes and natural biomass for deciphering the valorization of biochar in pollution abatement: A review on the thermo-chemical processes	2023

132	Devi T.; Pravin R.; Baskar G.	Chlorella biomass as a potential source of algal oil: Investigations on optimization of ultrasonic assisted extraction, kinetics and characterization of algal oil	2023
133	Pravin R.; Baskar G.; Rokhum S.L.; Pugazhendhi A.	Comprehensive assessment of biorefinery potential for biofuels production from macroalgal biomass: Towards a sustainable circular bioeconomy and greener future	2023
134	Jayakumar M.; Hamda A.S.; Abo L.D.; Daba B.J.; Venkatesa Prabhu S.; Rangaraju M.; Jabesa A.; Periyasamy S.; Suresh S.; Baskar G.	Comprehensive review on lignocellulosic biomass derived biochar production, characterization, utilization and applications	2023
135	Sivarathnakumar S.; Al-Ghanim K.A.; Nicoletti M.; Govindarajan M.; Gurunathan B.	Comparative Analysis of Cellulosic Ethanol Production from Lignocellulosic Substrate Moringa oleifera Using Kluyveromyces marxianus and Zymomonas mobilis	2023
136	Nawaz M.A.; Sivakumar K.; Baskar G.	Seasonal dynamics of body size in calanoid copepods (Calanoida: Copepoda) from the stressed tropical coast of India, Chennai, Bay of Bengal	2023
137	Sundar B.; Saravanan V.; Rajeshkannan R.; Saravanan P.; Rajasimman M.; Suresh S.; Baskar G.	Experimental investigations and kinetic modeling of removal of acrylonitrile using hybrid membrane bioreactor	2023
138	Velmurugan A.; Warriar A.R.; Gurunathan B.	Biodiesel production by transesterification of low-cost feedstock (waste cooking oil) using mesoporous cubic-MgO nanocatalyst: Optimization using response surface methodology	2023
139	Chilakamarri C.R.; Khilji I.A.; Sirohi R.; Pandey A.; Baskar G.; Satyavolu J.	Maximizing the value of biodiesel industry waste: Exploring recover, recycle, and reuse for sustainable environment	2023
140	Nawaz M.A.; Baskar G.; Meenakshi S.V.; Saboor A.; Sivakumar K.	Phylogenetic Relationship of Marine Calanoid Copepods (Crustacea: Maxillopoda) Based on Morphological and Molecular Datasets from the Chennai Coast, Bay of Bengal	2023
141	Nawaz M.A.; Vijayaraj R.; Baskar G.; Meenakshi S.V.; Sivakumar K.	Enrichment of Dioithonarigida (Giesberch, 1896) with different microalgal diets and its effect on survival and growth of Latescalcarifer (Bloch, 1790) larvae;	2023
142	Pravin R.; Dong C.-D.; Praveenkumar R.; Patel A.K.; Pandey A.; Baskar G.	Technoeconomic assessment and optimization of algal oil extraction from marine macroalgae Dictyota bartayresiana biomass	2023
143	P. Kowsalya, S. Uma Bharathi, S. Sivasankar And M. Chamundeeswari	Chemical-free natural dots as photocatalysts: A novel and cost-effective approach for dye degradation	2023
144	Saravanan P, Anandkumar S, Sharmila J, Chamundeeswari M, Suresh S & Nisha P	Development and characterization of DGEBA-APTES-ZrO ₂ nanocomposite coatings for anti-corrosion and anti-fouling	2023

145	R. Mary Nancy Flora A, S. Palani B, V. Renuka C, M. Chamundeeswari	An in-vitro study on post-surgical breast wound healing activity by zinc oxide dots and its optimization using Box Behnken design	2023
146	Durairaj P.; Maruthavanan T.; Manjunathan S.; Subashini S.; Rokhum S.L.; Baskar G.	Microwave assisted synthesis, characterization and bioactivity evaluation of a cobalt (II) complex with a novel Schiff base ligand derived from phenylacetyl urea and salicylaldehyde	2023
147	Jiao Ye, Hemant N. Patel, Sankaranamasivayam Meena, Renato R. Maaliw III*, Samuel-Soma M. Ajibade, And Ismail Keshta	Smart robots' virus defense using data mining technology	2023
148	Panda, A, Sindhuja, P, Vijayan.V, Panda, Rc	Operational control for the evolution of enthalpy in an SBR carrying out nitration of 4-chlorobenzotrifluoride and the thermal runaway	2023
149	P Princes Sindhuja, V Vijayan And RC Panda	Control of time-delay systems through modified Smith predictor using sliding mode controller	2023
150	P Princes Sindhuja, A Panda, V Vijayan, Rc Panda	Disturbance-observer-based finite time sliding mode controller with unmatched uncertainties utilizing improved cubature Kalman filter	2023
151	Venkatesan Rajinikanth , P. M. Durai Raj Vincent , C. N. Gnanaprakasam , Kathiravan Srinivasan And Chuan-Yu Chang	Brain Tumor Class Detection in Flair/T2 Modality MRI Slices Using Elephant-Herd Algorithm Optimized Features	2023
152	C.N. Gnanaprakasam, S. Meena, M. Nivethitha Devi, N. Shanmugasundaram , S. Sridharan	Robust energy management technique for plug-in hybrid electric vehicle with traffic condition identification	2023
153	S. Thenmozhi V. Gowri, K. S. Vinayaka Ravindra Pratap Singh V. M. Vel, Kareem Yusuf Ahmed Muteb Aljuwayid Md Ataul Islam, Abdi Diriba	Bar Adsorbent Microextraction with Carbon-Based Sorbent Layers for the Identification of Pharmaceutical Substances	2023
154	Lilly Raamesh, Radhika, S., Jothi, S	Hybrid support vector machine and K nearest neighbor based software testing for educational assistant	2023
155	Jetlin, C. P., And L. Sherly Puspaha Annabel	TDACVO: Exponential Tasmanian Devil Anti-Coronavirus optimization-assisted Deep Model for Multi-level Brain Tumor Categorization	2023

156	Kapil Aggarwal, P. N. Renjith, P. Udayakumar, K. Thyagarajan, L. Sherly Puspha Annabel & S. Jayachitra	Enhancing quality of service in wireless systems using iterative weighted least squares with fuzzy logic integration algorithm	2023
157	Gobalakrishnan Natesan N, Manikandan K, Pradeep K, L. Sherly Puspha Annabel	Task scheduling based on minimization of makespan and energy consumption using binary GWO algorithm in cloud environment	2023
158	Deepak, A., Amrapali S. Chavan, Aniruddha Bodhankar, L. Sherly Puspha Annabel, And A. Vanathi.	Advancing Air Quality Prediction in Specific Cities Using Machine Learning	2023
159	Samiayya, D, Ramasamy, J Gunasekar, M	An Adaptive Energy-Saving Scheme for Green Optical Networking: Combining Flow-Aware Load Adaptive Routing and Flow-Aware Distance Adaptive Routing	2023
160	Duraimurugan, S., Jayabharathi, R., Manikandan, G	An efficient congestion control in multimedia streaming using adaptive BRR and fuzzy butterfly optimization	2023
161	Deepa, N., Naresh, R., Anitha, S., Suguna, R., Vinoth Kumar, C.N.S.	A novel SVM and K-NN classifier based optical ML technique for seizure detection	2023
162	Nirmala.G,Jawaharrani.K,Lekshmi ,J.Srilekha,R.Muzhmathi	Challenges faced by women workers in construction Sector	2023
163	Lekshmi,Jawaharrani.K, ,J.Srilekha,Nirmala.G	Challenges Encountered By Migrant Construction Workers in Chennai City	2023
164	Jawaharrani.K,Lekshmi ,V.Sheela Mary, Delecta,J.Srilekha,Nirmala.G	Impact of Mood of Employees on the Organizational commitemnt with Mediating Effect of workplace Environmant -A felid Experience Study	2023
165	Dr.R.S.Lekshmi, Dr.K.Jawaharrani, Dr.G.Nirmala	Digital Assets for Digital Natives: Exploring Familiarity and Preference for Cryptocurrency Among Millennials and Gen Z	2023
166	Dr.S.P.Karuppiah	Power allocation for enhancing energy efficiency in unmanned aerial vehicle networks	2023
167	Dr.K.Jawaharrani	International Journal of Intelligent Systems and Applications in Engineering	2023
168	Dr.K.Jawaharrani, Dr.R.S.Lekshmi,Dr.G.Nirmala	Exlore investment in women's Insurance Policies Using Cluster Analysis	2023
169	Sasikumar, S., Pugalenti, R., Sasikala, G.M., Rajakumar, M.P	Medical Image Segmentation and Classification Using Modified DoubleU-Net and PolyNet Deep Neural Networks	2023

170	B. Senthil Rathi, P. Senthil Kumar, Gayathri Rangasamy, Saravanan Rajendran	Ferrite-Supported Nanocomposite Polymers for Emerging Organic and Inorganic Pollutants Removal from Wastewater: A Review	2023
171	Brindha Velappan, Vedaraman Nagarajan, Venkatesh Narayana Murthy, Sivasamy Arumugam, Velappan Kandukalpatti Chinnara	Oleic acid-rich waste fleshing oil as a secondary carbon source for the synthesis of sophorolipids	2023
172	G.Venkatesan, S.Koteswaran, M.Rengasamy, R.Rajeshkannan, V.Saravanan, S.Sujatha, Panchamoorthy Saravanan, M.Rajasimman	Efficient removal of methylene blue dye by iron nanoparticles synthesized by a novel green method using jujube leaf extract: characterization, kinetics, and isotherm studies	2023
173	B. Senthil Rathi, Trisha M, Kaviya Selvi S, Gokul R, Renuka V	Recent research progress on modified activated carbon from biomass for the treatment of wastewater: A critical review	2023
174	R. Mary Nancy Flora, S. Palani, V. Renuka, M. Chamundeewari	An in-vitro study on post-surgical breast wound healing activity by zinc oxide dots and its optimization using Box Behnken design	2023
175	K. Sathesh Kumar S. M. Prakash, P. Srinivasan P. Jayaprakash.	Spectral studies and nonlinear optical properties of an organic crystal: Piperazine-1, 4-Diumbis (4-Aminobenzenesulfonate)	2023
176	Ki Dhanalekshmi, P Magesan, X Ma, X Zhang, K Jayamoorthy	Sustainable development of anode materials for non-aqueous potassium ion batteries	2023
177	Jayarama Pradeep,S. Raja Ratna, P. K. Dhal,K. V. Daya Sagar,P. S. Ranjit, Ravi Rastogi, Vigneshwaran K,A. Rajaram	DeepFore: A Deep Reinforcement Learning Approach for Power Forecasting in Renewable Energy Systems	2024
178	Pradeep, J.,Vijayaragavan, M.,Krishnakumar, V.,Kumar, B.S.	Optimizing simultaneous energy management for slow- and fast-charging electric vehicles: a hybrid approach	2024
179	Mary, V.B.,Narmadha, T.V.,Christopher, I.W.	Design, Analysis And Implementation Of Mayflymanfis Algorithm Based Novel BI-Cuk Modified Ac-Dc Converter For Renewable Energy For Sustainable Development	2024
180	Mary, V.B., Narmadha, T.V.	Optimization of Integrated Hybrid Systems Using Model Predictive Controller	2024
181	Tamilselvan, D. Sudhakar, T. D.	Optimizing renewable energy utilization with high gain converters	2024

182	Chamundeeswari, V.,	Design and Implementation of Fuzzy sliding mode control (FSMC) approach for a Modified Negative Output Luo DC-DC Converter with its comparative analysis	2024
183	Raj, P. Justin Prabhu, V. Vasan Kumar, V. Krishna	Battery Thermal Management System for Electric Vehicle (EV)/Hybrid EV (HEV) with the Incorporation of POA-FSO Strategy	2024
184	Krishnakumar, V., Anbarasan, P., Venmathi, M., Pradeep, J.	Recent challenges and reviews on sensorless, PWM techniques and controller possibilities of permanent magnet motors for electric vehicle applications	2024
185	Madhanakkumar, N Vijayaragavan, M Krishnakumar, V Palanisamy, K	Optimal battery-swapping mechanism for electric vehicles using hybrid approach	2024
186	Venkatesh Kumar C, Abhay Chaturvedi, Arvin Tony A, P. V. V. S. Srinivasorcid Icon, P. S. Ranjit, Ravi Rastogi, M. R. Arun & A. Rajaram	AI-IOT-Based Adaptive Control Techniques for Electric Vehicles	2024
187	A. Santhi Mary Antony, Jayarama Pradeep, Sri Harsha Arigela, Rajesh T, P. Elangovan, M Ramprasad Reddy, Sivasankar G A, Dr. A. Rajaram	Energy Storage Systems Using Renewable Energy for Systems With Grid Integration	2024
188	S. Muruganandam, S.R. Anishi, S. Rajesh, P. Krishnan, M. Jayavel	Enhanced electrochemical and thermal stability of CdS:Pb ²⁺ , Cu ²⁺ co-doped nanoparticles on energy storage applications	2024
189	S. Kandhan, T. Sivaranjani, P. Krishnan, P. Jayaprakash, K. Sakthi Murugesan.	Optical, electrical and thermal investigations on brucinium di-hydrogen citrate tri-hydrate single crystal: An optimistic tool for microelectronics, OPO and OLED applications	2024
190	Azhagu Ramar, A. Arulmozhi, S. Balamuralitharan, Ilyas Khan, Fahima Hajje, Majed A.M. Khuthaylah, A. Singh	Melting heat effect in MHD flow of maxwell fluid with zero mass flux	2024
191	P. Magesan, K.I. Dhanalekshmi, K. Jayamoorthy	Improved photocatalytic performance of chitosan blended – Al ₂ O ₃ -TiO ₂ and garlic loaded – Al ₂ O ₃ -TiO ₂ hybrid nanocomposites	2024

192	S. Selva Nidhyananthan, R. Suganya, S. Kiruba, D. Suganya, Pankaj Rangaree, Papun Biswas, Bhaskar Roy	Impact of Intense Modulation on Soliton Power Propagation across Optical Fiber and Optical Wireless Channels	2024
193	A. Shobha, M. Mageswari, Aisha M. Alqahtani, A. Arulmozhi, Manyala Gangadhar Rao, K. Sudarmozhi, Ilyas Khan	Suction Effect On Porous Shrinking Cylinder in MHD Casson Fluid with the Impact of Heat Generation and Radiation	2024
194	Ocheni Adejoh, Pius Onyeoziri Ukoha , Eric C. Hosten C, Nnaemeka Nnaji, Christopher O. Eze, Chigozie J.O. Anarado, Chukwujindu M.A. Iwegbue, K. Jayamoorthy, Oguejiofo. Ujam	Synthesis, structure, preliminary antimicrobial and antimalarial studies of 1,1'-(piperazine-1,4-diyl)bis(2-phenylethan-1-one) and its lanthanide, Ce(III), Pr(III), and Nd(III) complexes	2024
195	J Sharmila, S Suresh, M Chamundeeswari	Acute toxicology study of organic dyes-degraded water on adult zebrafish as human model for direct utility	2024
196	Haewon Byeon, Hitendra Kumar Lautre, N.R. Rajagopalan, M. Sivaprakash, Giriraj Kiradoo, Adisu Haile, R.A. Arul Raja, J. Sunil	Facile preparation of Fe ₂ O ₃ catalyst and assessment of its photodegradation performance for industrial effluent purification	2024
197	M. Meena, K. Senthilkannan, V. Swarnalatha, S. Radha	Synthesis and characterizations of l-lysinium trichloroacetate crystals of versatile scaling for temperature sensor and opto-electronic utilities	2024
198	Padmanaban B, Yokeswaran V, Senthilkannan K, Swarnalatha V	Growth, investigation of calcium D-gluconate monohydrate-CDG crystals with shocked impact for electronic usage and the pure crystal for sensor application	2024
199	N Saikumari, K. S. Sudhakhar	Extensive Studies On The Electrochemical, Photocatalytic And Antimicrobial Applications Of Bio Assisted Nano Titania	2024
200	Sastri, M.U.J., Jayasimman, I.P., Praveena, N.J.P., Rajkumar, A.	A Research On Symptoms Of Covid-19 Using New Trapezoidal Combined Overlap Fuzzy Cognitive Maps (Tpcobfcm)	2024
201	S. Gomathy, B. Shoba A. Rajkumar, Broumi Said	Study On Student'S Performance Using Single Valued Decagonal Neutrosophic Number In Decision Making Problem	2024

202	M.S. Antony Vigila, Amit Agarwalb, K.B.V. Brahma Rao, G. Meena Devi, Mohd Umar Farooqe. P. Ganeshan, Nouf M. Alyamig, Rafa Almeer And S.S. Raghavanh	A Combined Neural Network Mechanism For Categorizing The Normal And Cancer Cells	2024
203	S. Prabhu, D. Sagaya Rani Jeba, M. Arulperumjothi & Sandi Klavžar	Metric Dimension Of Irregular Convex Triangular Networks	2024
204	P. Priyadharshini, Tribhuwan Kumar	Unveiling The Power Of Liberal Feminism In Namita Gokhale'S Selected Works: A Journey Towards Gender Inclusivity	2024
205	S. M. Padmaja, Akhilesh Kumar, Lavanya Dhanesh, Vinjamuri Venkata Kamesh, H. Geetha, D. Ramya, G. G. Raja Sekhar & Nutan Saha"	Stability And Reliability Analysis For Multiple Wt Using Deep Reinforcement Learning	2024
206	S. Govardhan, S. Roy, S. Prabhu , M. Arulperumjothi	Topological Characterization Of Cove-Edged Graphene Nanoribbons With Applications To Nmr Spectroscopies	2024
207	Prakash A, S. Sarayu Priyadharshini, Abirami T, Giriraj Kiradoo, Bairavi B, Mariappan B, Priyadarshini M.C., P. Jayakumar, Saravana Selvakumar. R, S. Janneker Lawrence Daniel	An Examination Of The Diverse Interpretations Of The Epic Through The Paradigm Of Queer Theory And The Contradiction Of The Self And Society	2024
208	Rajiniganth, P.Aparna, T.Khan, I.Suresh, K.	More Generalized K(E) -Fibonacci Sequence, Series, And Its Applications	2024
209	Kalyani, T., Annadurai, S., Raman, T.T., Thomas, D.G.	Tetrahedral Tile Pasting Systems	2024
210	Agilan, P. Julietraja, K. Kanimozhi, B. Alsinai, A.	Hyers Stability Of Aqc Functional Equation	2024
211	Dhurairaj Satheesh1, V. Muthulakshmi, A. Jagadesan, A. Venkatesan, K. Suresh, K. Parthipan, Savarinathan Maria Rayappan, Gopal Senthilkumar7, And S. Sudhahar	A Review On Anthropogenic Biomass Burning: Emission Of Aerosol Pollutants, Impact On Climate Change, Human Health And Its Mitigation Strategies	2024

212	Ahmad Aloqaily, P. Agilan, K. Julietraja, S. Annadurai, Nabil Mlaiki	A Novel Stability Analysis Of Functional Equation In Neutrosophic Normed Spaces	2024
213	Priyadharshini S, M. R. Bindu, Girirag Bkiradoo, K. Nanthitha, R. Subhashini	Unveiling Cultural Identities And Self Savouring In Preethi Nair'S One Hundred Shades Of White And Sarah Addison Allen'S The Girl Who Chased The Moon	2024
214	R. Saranya, A. Tamizhselvi, Piyush Charan And Syed Arfath Ahmed	Securing And Advancing Road Safety In Intelligent Vehicular Networks For Seamless And Secure Communication	2024
215	Pragadeeshwar S, Pradeep Viswanath S, Elavarasan R	Speech To Sign Language Conversion	2024
216	Pavurnika S, Manjusri J Mrs.Nivethitha Devi M	A Comprehensive Guide to Melanoma Cancer Detection	2024
217	Avudaiammal Ramalingam, George, S.V., Srivastava, V., Alagala, S., Manickam, J.M.L.	Semantic Segmentation-Based Building Extraction in Urban Area Using Memory-Efficient Residual Dilated Convolutional Network	2024
218	Vandita Srivastava, R Avudaiammal & Sam Vgeorge	Investigations on extraction of buildings from RS imagery using deep learning models	2024
219	Avudaiammal Ramalingam, Vandita Srivastava, Sam V George, Swarnalatha Alagala, Martin Leo Manickam	Building rooftop extraction from aerial imagery using low complexity UNet variant models	2024
220	Thendral N, Lakshmi D, P S Ramapraba, B.Senthil Kumar	A customized ConvNeXt-XL network with fusion of deep and handcrafted features for colposcopy image classification	2024
221	Abdulrahman Saad Alqahtani, Youssef Trabelsi, P. Ezhilarasi, R. Krishnamoorthy, S. Lakshmisridevi, S. Shargunam	Homomorphic encryption algorithm providing security and privacy for IoT with optical fiber communication	2024
222	Grace, J.P.S., Ezhilarasi, P., Rajeshkannan. S	Unveiling the Secrets of Brain Tumors: A Fuzzy C-Means and U-Net Convolution Approach for Enhanced Segmentation	2024
223	Shyam Sunder Jha , K. Sudha , Aditya Kumar, Sandeep Sharma, G.Sivagurunathan	Implementation of unidirectional control mechanism for DC-DC converters”	2024
224	Karthikeyan, B; Ramasamy, P ; Maharajan, M P, Padmamalini, N, Sivakumar, J, Choudhury, S ; Savari, G F	The Optimization of PEM Fuel-Cell Operating Parameters with the Design of a Multiport High-Gain DC-DC Converter for Hybrid Electric Vehicle Application	2024

225	Avudaiammal, R., Duraimurugan, S., Sivasankaran, V., Jayarajan, P	Multi-Objective Spider Monkey Optimization for Energy Efficient Clustering and Routing in Wireless Sensor Networks	2024
226	K. Jasmine Mystica; J. Martin Leo Manickam	Learning to allocate: a delay and temperature-aware slot allocation framework for WBAN with TDMA-MAC	2024
227	G.Anitha, J.Martin Leo Manickam	A comprehensive ensemble pruning framework based on dual-objective maximization trade-off	2024
228	S. Hemalatha, Shalini, P. Ezhilarasi, Thilagham K	Enhancing Cluster Node Forming Routing Protocol in Mobile Adhoc Network	2024
229	S.Daniel Madan Raja, Karpagam Kanadasan, S.Manimekalai, R.Madhumitha, A.Geetha, N. Kumaran	Underwater Imagery EnhancementwithMulti- Channel Histogram Equalization, Depth- AdaptiveCorrection,and Deep Reinforcement Learning	2024
230	Pravinkumar Kamatchi, Seshagiri Rao Vaddi Sathish Rengarajan	Inhibition study of curcumin extract's effect on dissimilar aluminium joint	2024
231	Srinivasan.D, Senthilkumar.N Ganesh,M, Perumal.G	Characterization studies on nano aluminium composite reinforced with montmorillonite nanoclay and titanium carbide	2024
232	G.M. Lionus Leo Ravikumar Jayabal D. Srinivasan M. Chrispin Das M. Ganesh Thodda Gavaskar	Predicting the performance and emissions of an HCCI-DI engine powered by waste cooking oil biodiesel with Al ₂ O ₃ and FeCl ₃ nano additives and gasoline injection – A random forest machine learning approach	2024
233	G. M. Lionus Leo, Ravikumar Jayabal, D. Srinivasan, M. Chrispin Das, M. Ganesh, Thodda Gavaskar	Predicting the performance and emissions of an HCCI-DI engine powered by waste cooking oil biodiesel with Al ₂ O ₃ and FeCl ₃ nano additives and gasoline injection – A random forest machine learning approach	2024
234	D. Vasudevan Kassian T.T. Amesho, Gavaskar Thodda, M. Sagar. M. S. Murugapoopathi	Sustainable Emission Reduction in CI Engines using Cerium Nanoparticles and Acetylene-Cedar Wood Oil Biofuel	2024
235	Sathish Rengarajan, A Sathish Kumar R Ashok Kumar	Corrosion and inhibition studies on AISI 316 with AISI 410 fiber laser welded joints	2024

236	Sebastiammal S.; Fathima A.S.L.; Al-Ghanim K.A.; Nicoletti M.; Baskar G.; Iyyappan J.; Govindarajan M.	Synthesis and characterisation of magnesium-wrapped hydroxyapatite nanomaterials for biomedical applications	2024
237	Janani, R., Sivakumar, K., Baskar, G.	Fabrication of novel magnetic graphene oxide nanoadsorbent from Strychnous potatorum seeds for enhanced removal of chromium from wastewater	2024
238	Sangeetha B.; Baskar G.	Process design, kinetics, simulation, and techno-economic analysis of biodiesel production from Pongamia pinnata seed oil using a magnetically recyclable acidic ionic liquid catalyst	2024
239	Pravin R.; Baskar G.	Technoeconomic and carbon footprint analysis of simulated industrial scale biodiesel production process from mixed macroalgal and non-edible seed oil using sulphonated zinc doped recyclable biochar catalyst	2024
240	Asha, A., Chamundeeswari, M., Flora, R.M.N., Preethy, K.R.	Optimization of hematite nanoparticles from natural ore as novel imaging agents: A Green Chemistry approach	2024
241	Preethy, K.R., Ammu Chandhini, A., Chamundeeswari, M.	Bio-waste valorization to formulate an eco-friendly reduced graphene oxide based bio-gel for clinical applications.	2024
242	Yuwvaranni, S., Amritta, B., Weslen Vedakumari, S. And Chamundeeswari, M.,	Green synthesis and optimization of iron oxide nanoparticles as MRI contrast agent.	2024
243	Baskar G.; Nithica S.; Pravin R.; Renuka V.; Tamilarasan K.	Enhanced biodiesel production from Annona squamosa seed oil using Ni-doped CaO nanocatalyst: Process optimization and reaction kinetics	2024
244	Muninathan, K., Venkata Ramanan, M., Monish, N., Baskar, G.	Economic analysis and TOPSIS approach to optimize the CI engine characteristics using span 80 mixed carbon nanotubes emulsified Sapindus trifoliatus (soapnut) biodiesel by artificial neural network prediction model	2024
245	Sharmila, J., Suresh, S. & Chamundeeswari, M	Acute toxicology study of organic dyes-degraded water on adult zebrafish as human model for direct utility	2024
246	Anli Dino A, Kishore G	Microalgae: an emerging source of bioplastics production	2024
247	S. Titus, V. Renuka, Anil Kumar Thandlam, Ct. Muthiah, N. G. Nagaveni, A. Jayanthi, K. Usha Rani, M. Sudhakar	Production of Bioenergy molecules from waste spent coffee grounds - A green chemistry approach	2024

248	Dr. Renuka Viswanathan.	Green Horizons sustainable practices in data centre networking for environmental conservation	2024
249	Patil, S.R., Sinha, M.K., Deshmukh, M.A., Thenmozhi, S., Sujatha, A.	Predicting and forecasting building energy performance using RSM and ANN	2024
250	Sai Sharvesh, R., Suresh Kumar, K., Raman, C.J	An Accurate Plant Disease Detection Technique Using Machine Learning.	2024
251	Ancy Stephen, Punitha Arumugam, Chandrasekar Arumugam	An efficient deep learning with a big data-based cotton plant monitoring system	2024
252	Dr.R.Arun	Advances in Business Information Systems and Analytics Data-Driven Intelligent Business Sustainability	2024
253	Dr.J.Balamurugan	Groundwater for Sustainable Development	2024
254	Dr.K.Jawaharrani	International Journal of Intelligent Systems and Applications in Engineering	2024
255	Sujatha S, Natarajan Rajamohan, Sanjay S, Abhishek R, Rajasimman M	Sustainable remediation of pesticide pollutants using covalent organic framework- A review on material properties, synthesis methods and application	2024
256	B. Senthil Rathi A, P. Senthil Kumar B C E F, Gayathri Rangasamy G, Saravanan Rajendran	A critical review on biohydrogen generation from biomass	2024
257	Senthil Rathi Balasubramani, Kalaierasi Nagappan, Lay Sheng Ewe, Kishore Viswamathan, Weng Kean Yew, Srikananda Ganesh Thiraviam, Sujatha Sadana, Theresa Kasthuri Dinah Samuel, Kaavya Kamalakanna	Recent developments in surface enhanced raman spectroscopy in the field of chemical, biochemical and clinical application- a critical review	2024
258	Vinod Kumar S, Mukil S, Naveen P, Senthil Rathi B	Modelling and evaluation of the permeate volume in membrane desalination processes using machine - learning techniques.	2024
259	Balamurugapandian N, Senthilkannan K, Swarnalatha V, Juliet Josephine Joy J	Physio-chemical and biological Characterizations of 4-Bromo – 4'-Chloro Benzylidene Aniline μ -crystals for Engineering Utilities	2024

260	S. Prabhu, M. Arulperumjothi, V. Manimozhi, K. Balasubramaniyan	Topological Characterizations On Hexagonal And Rectangular Tessellations Of Antikekulenes And Its Computed Spectral, Nuclear Magnetic Resonance And Electron Spin Resonance Characterizations	2024
261	Rita Pal, J. Leo Amalraj, V. Venkata Kumar, G. Venkat Narayanan	Fixed Point Results Under Hausdorff Distance In The Fractal Spaces	2024
262	R Shruthi, R Udhaya Kumar, K Abinaya, A Rajeswari, K Savitha	Analysis Of Factors Affecting Students' Business Writing Skills	2024
263	V. Sudhakar, G. Uma Maheswari, K. Suresh, P. Chellamani, V. Balaji	Graphical And Matrix Coding Methods For Enhanced Message Security Using Star Graphs	2024
264	Gopi Krishna, S.; Shanmugapriya, M.; Rushi Kumar, B.; Shah, Nehad Ali	Thermal And Energy Transport Prediction In Non-Newtonian Biomagnetic Hybrid Nanofluids Using Gaussian Process Regression	2024

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 Projects Received

Sl. No.	Name of the faculty and Department	Project No.	Title of the Funded Project	Amount (Rs.)	Name of the Funding Agency
1	Dr. G. Baskar Biotechnology	F.No.6(19)/SanctiontoCNA /Incubation/2022-23	Saffron cultivation using assorted modern technique.	875000	MSME
2	Dr. Vaddi Seshagiri Rao Mechanical Engineering	SR/FST/022/1252/TPN-83910	Sustainable nanomaterials development for futuristic applications	7100000	DST
3	Mr. S. Niresh Kumar Computer Science and Engineering	IDEATN015246	ECOHUB – Integrated Sustainable Solutions Platform	800000	MSME
4	Mr. S. Niresh Kumar Computer Science and Engineering	Health/Med Tech	HealthBot	10000	TN Government - Naan Mudhalvan
5	Dr. Jayarama Pradeep Electrical and Electronics Engineering	NMNT034	Risk detection system for Oil and Gas industries	10000	TN Government - Naan Mudhalvan
6	Dr. M. Rameshbabu Electrical and Electronics Engineering	NMNT926	Virtual Laboratory using augmented Realty	10000	TN Government - Naan Mudhalvan
7	Mr. R. Elanthirayan Electrical and Electronics Engineering	NMNT051	Low Cost Light Weight Electric Cycle using biodegradable Frame magnesium alloy wheel	10000	TN Government - Naan Mudhalvan
8	Ms. K. R. Raghi Computer Science and Engineering	CFR/AU-CFR-SEED SEARCH GRANT/Sanction Order/03	Stepsmart: Design and Development of an Affordable IoT & Deep Learning Based Footwear for Diabetic Health Monitoring	1,00,000	Anna University/ CFR
9	Dr. A. Chandrasekar Computer Science and Engineering	PMKVY 4.0	Skill development of Government of India – Pradhan Mantri Kaushal VikasYojana 4.0	17,00,000	AICTE

10	Ms. A. Kavitha, Information Technology	CSE-3925	Tamilnadu's digital renaissance: Government scheme notifications and smart fund disbursement as catalysts for empowerment	7,500	TNSCST
11	Dr. L. Balamurugan Mechanical Engineering	TNSCST/STP/EME- 02/2023	Developing functionally graded lattice structures in additive manufacturing for aerospace applications	2,10,000	TNSCST
12	Dr. K. Jawahar Rani	No-624/EAR/TRHS- F/2021	Tractor hiring and other farm machineries for small and marginal farmers	21,70,000	Evaluation and Applied Research Department, Government of Tamil Nadu, Chennai
13	Dr. K. Jawahar Rani	No-609/EAR/ADW/2021	Impact of Special Incentives Scheme to Promote Literacy Among Scheduled Caste Girls Studying to Standard III to V	19,74,554	Evaluation and Applied Research Department, Government of Tamil Nadu, Chennai
14	Dr. A. Chandrasekar Computer Science and Engineering	MTR/2021/000405	Development of Adaptive filtering algorithms for Graph Signal Processing Problem	6,60,000	DST-SERB
15	Dr. S. Sumathi Information Technology	F.No.6(19)/Sanction to CNA/ Incubation/2023	Hapsale	7,50,000	MSME

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.

Patents Published

Sl. No.	Country & Patent No.	Name of the Inventor(s)	Title	Date of Filing of Patent	Date of Publication
1	Indian Patent 202341028982	R. Sivakumar S. Bala Naresh Manikandan T. CibiChakkaravarthy Varsha Varghese	Edu Go: A Visual Positioning System-based Augmented Reality Navigation Guide for Educational Institutions	21/04/2023	16/06/2023
2	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 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
3	Indian Patent 202341031913	Dr. B.Vijaya Prakash Dr. S. Ranganathan Mr. L. Vetrivendan Mr. Mohan S R Dr. P. Suresh Dr. B.Senthil Kumar Mr. M.Hariprabhu	Voice Based Product Recognition For Visually Impaired	04/05/2023	23/06/2023
4	Indian Patent 202341033460	Dr. P. Saravanan Dr. G. Sasikumar Ms. S. Savitha Dr. A. Subramani, Dr. J. Sharmila Dr. A. Uma Devi Dr. S. Rama	Zinc oxide Nanostructures based Electrochemical Biosensor for Detection of Hydrogen peroxide Analysis	12/05/2023	23/06/23
5	202341033764	Dr.J.Senthil Murugan Haripriya.V Dr.R.S.Ernest Ravindran Aarthi.E Mrs.L.Rachel Maria Sahaya Diran D Mrs.R.G.Nirmala T.Auntin Jose	Design of High – Confidence Embedded operating system based on IoT, AI & Smart chips	12-05-2023	18-08-2023
6	Indian Patent 202341035158	Dr. R. Umadevi Dr. K. Vijayalakshmi Ms. R. Sumathy Ms. D. Arivukkodi 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 transfer due to activation energy	19/05/2023	16/06/2023

7	202341035313	Dr.Jayarama Pradeep Abishlal N S Abinayasri T Mohamed Aashik S Jenin Benedict A Kumaran M S Hounandan R	Smart energy management and load monitoring of individual loads	20-05-2023	01-09-2023
8	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
9	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	Design and fabrication of multi nut remover and fixer	31/05/2023	16/06/2023
10	Indian Patent 202341038203	Renzon Daniel Cosme Pecho Celestino Tavares da Veiga Harish S. S. Ashif Mohammad K. Kiran Monalisa Pattanayak	A Blockchain and Artificial Intelligence based IOT environment for 6G wireless Network	02/06/2023	30/06/2023
11	202341015895	Dr.Ramya Thiyagarajan Dr.A.Balamruga Dr.M.Rajyalaxmi Maria Sahaya Diran D G.riyadharshini Mr.S.Nishant Dr.Gokulakrishnan S	Enhanced video surveillance system for police cops to monitor unusual activities	24-06-2023	01-09-2023
12	Indian Patent 202341044069	Dr. Sudeshna Surabhi Dr A Tamizhselvi Vipin Y. Borole Sachin Sharma Dr.M.Sindhu Namdeo Dada Kapale Subharun Pal Ambrish Gangal Chahat Gulati Dr. A.Senthilrajan Pulicherla Siva Prasad Thulasimani T	AI and Machine Learning Based Approach for Predicting Shortest Path in Google Map	30/06/2023	01/09/2023

13	Indian Patent 202321045375	Dr.Hiren Jayantilal Dand Dr.K.Vijayakanthan Mr.S.Suresh Ms.ArchanaJenis.M.R 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
14	202311047378	Sandip Kumar R.Elavarasan DhawaseDhammjyoti Vithalrao Neha Sankhwar Dr. Sheshang Degadwala Haewon Byeon	Block Chain-Based Secure Data Management System for Internet of Things (IoT) Devices	14/07/2023	11/8/2023
15	Indian Patent 202321048693	Dr.Charu Vaibhav Verma Dr.Arunkumar.P.M Veeralanagan.J Dr.Gaurav Srivastava Dr.Upika Nanda Dr.Shradha Pandey S.Shanthini 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
16	Indian Patent 202341048831	S.Balmurugan Dr.Balbir Singh Dr.G.Ganesh Kumar Dr.BharatiWukkadada Reeba Rose.L V.Shireesha, N.Valarmathi Dr.Jawed Ahmed Dr.Shahla Tarannum Dr.Indrajit Pan Fayeza Noor Dr.Subhamita Mukherjee	Intelligent Bionic Nose to assist people to gain sense of smell using Convolutional Neural Networks	20/07/2023	01/09/2023
17	Indian Patent 202321049517	Dr.Sandip D Satav Roopa Devi Chandanala Dr.B.Uma Maheswari 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
18	Indian Patent 202341049880	Dr. N.R. Rajagopalan Dr. V. Swarnalatha Dr. J. Sivapriya, 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

19	Indian Patent 202341051699	Mr.Gude Ramarao Dr.P.Thangavel Ms.Y.Meghamala Dr.P.Deepa Ms.A.Naga Kalyani Mrs.Archanareddy Vuppula Mrs.Kavita Janardan Kolpe Dr.Kammili Jagan Mohan Dr.Asmita Manna Mr.AnandbabuGopatoti	Novel Classification Model for Infected Tree Leaves Classification using Deep Convolutional Neural Network	01/08/2023	01/09/2023
20	Indian Patent 202341052055	K.Venkatagurunatham Naidu Dr.Kunal Mishra S.EstherNowroji Dr.VudaSrenivasa Rao Dr.Zakir Ali Raghi.K.R VijaysinhKishorsinh Jadeja Mayank Pravinbhai Devani Mikin Kiritkumar Dagli Vinu.S 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
21	Indian Patent 202341052464	Jenina Angelin.D Jeevitha.M G.Maria Kalavathy	Smart Sprinkler System: Leveraging Machine Learning and IOT for Heat Mapping	04/08/2023	29/09/2023
22	Indian Patent 202341052680	Dr. M. Boopalan Dr. P. Saravanan 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
23	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 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
24	Indian Patent 202341053554	Anirudhan Adukkathayar C Dr. Chithra K, Ismail Keshta Gnanaprakasam C. N. Dr. Shikha Kumari Pandey Dr. Haewon Byeon	An Image processing and Deep Learning Based system for advertisement	10/08/2023	01/09/2023

25	202311054353	Dr. Gaurav Srivastava K. Logeswaran Ajit Singh K.Durga Bhavani Dr. G.N.R. Prasad Maduri Madhavi Dr Bhanu Prakash Battula Dr. Zakir Ali Mr Ayyappa Chakravarthi Dr.K.Vijai	Artificial Intelligence Based Prevention and Detection of Security Attacks in IOT Sensors Networks Using Machine Learning Algorithms	12/08/2023	08/09/2023
26	202321054999	Dr.R.Karthick	The Impact of Corporate Social Responsibility on Business Economic Performance: A Holistic Framework	16/08/2023	06-10-2023
27	202321055000	Dr.R.Karthick	A Machine Learning-Based Human Resource-Based Management Processing System for Detecting Personnel Stress: Design and Empirical Analysis	16/08/2023	06-10-2023
28	Indian Patent 202311055314	Dr.Gaurav Srivastava Mr.S.Balasubramanian Dr.Punit Kumar Singh A.Arun Lakshmi,S 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
29	202341055450	Dr.L.Pravin Begum Mrs.Shobana G Mr.R.Rajkumar Mrs.M.Thangarani Dr.S.Sridharan Ms.S.Ohmshankar Ms.D.Maheswari Ms.Maria Sahaya Diran Mr.Raja S	Implementing AI techniques to analyse the futuristic trends in diabetic retinopathy	18-08-2023	01-09-2023
30	Indian Patent 202341056042	Dr.Dharmasoth Rama Devi Prof.K.Basavaiah Dr.SrinivasaGowda.G.K Dr.Punit Kumar Gingh A.Arun, Dr.Salman Akhtar Dr.NageswaraReddy.K Jenitha.T, S.Gnanamurthy Mr.Ayyappa Chakravarthi.M	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

31	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
32	202321056619	Dr.Jayasree Krishnan	An Analysis of The Quantitative Data on The Impact of Microcredit on Women's Empowerment	23/08/2023	13/10/2023
33	202321056620	Dr.D.JoelJebadurai	The role of Green Human Resource Management (HRM) practices in boosting employee performance and ensuring the long term viability of an organization.	23/08/2023	13/10/2023
34	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 Anan 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
35	202341057373	T.Hussain Elanie kiruba R C.Karthikeyan Mr.M.Nandhakumar Robin Neema Dr.Yashshree Dubey Dr.Manojkumar T Dr.JyothiPrasad Patra Naven Jain, Piyush Kumar Mr.Venkaesh Kumar C	Deep learning techniques to analyse and predict the electric vehicles penetration in automotive market	27-08-2023	08-09-2023
36	Indian Patent 202341057846	N.Gopinath S.Vijayakumar	Adaptive learning platforms for learning a second languages for disabled children	29/08/2023	22/12/2023
37	202341059449	S.Venkateswaran R.Beaula Jasmin E.Vinodha, Briskilal.J Dr.R.Kalaivani Dr.Chidambararaj.N D S Eneeya Sri, Dr.Rajasekar P Dr.J.SenthilMurugan Ms.Herlin Rose A P	Recycling of waste water & water management into irrigation in smart cities using IoT	05-09-2023	06-10-2023

38	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 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
39	202341060678	D..Kailashkumar Shoana G Dr.A.Rajini D.Muthukumaran S D.Bhavana Jamalpur Dr.P. Velmurugan D.S.Jabeenbebgam K.venkataramana Maria sahayadiran D Christal saji K	Io & ML based monitoring system for weather, soil, earth quakes& air pollution	09-09-2023	06-10-2023
40	202341062447	M.Nithya Shiny.ADr.N.Kalaivani Mr. Krishna Kishore Thota Dr.V.Muthulakshmi Darshan Jayeshbhai Mehta Dr.D.Karthikeswaran Aruna P	Artificial Intelligence Based Smart Detection System for Rainfall Prediction Time- Series Forecasting and Modern Machine Learning Algorithms	16/09/2023	6/10/2023
41	Indian Patent 202341062778	Dr. V. Renuka	Tracking of Vehicles in Smart Cities Using Spatio Temporal Analysis	19/09/2023	06/10/2023
42	Indian Patent 202321063636	Dr.H.Geetha	Impact of performance- based rewards and appraisal towards development of employees skill in information technology sector	22/09/2023	20/10/2023
43	202341063941	Dr.RavikumarPoluru Dr.S.Rajendra Prasad Dr.V.Chamundeeswari Mrs.Pookodi Mrs.Poornima devi Mrs.Subhashree Mrs.Someswari Perla Dr.RManjunath B E Mr.Nissankararao E Mr.Venkateswaralu Tata	IoT-Enabled smart agricultural management system	22-09-2023	06-10-2023

44	202341064324	Dr.SP.Karuppiah Mr.S.Aravinth	Wind and Solar Hybrid Powers System for Generating Energy	25/09/2023	06-10-2023
45	Indian Patent 202341064323	Dr.J.T.Anita Rose Dr.N.Haridharan VijaysinhKishorsinh Jadeja, Asha Yadav Payavala Sumalatha Dr.Salman Akhtar Mr.AnirudhdhaMukundchandra 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
46	202341065080	Dr.S.Kalaivani Dr.J.Maniraj, N.Porchelvi Senthilkumar D Ms.M.P.Bobby K.Aravindhan Nivetha I, Dr.Amandeep Ms.D.Maheshwari Ms.S.Ohmshankar	AI based smart conversational robot to assist blind peoples using cloud &ML Algorithm	28-09-2023	01-12-2023
47	20231067421	Kakiraladurgabhavani Ketan rather Mr.Jeyaprakash N Dr.T.Ragugpathi	AI-Powered predictive maintenance system for industrial robotics	07-10-2023	13-10-2023
48	Indian Patent 202321066952	Dr.K.Sasikala	Analysis of how language can be learned through literature	05/10/2023	05/10/2023
49	202341068192	Kumbam Venkat Reddy Shobana.G Ashwini M Chalawadi R.Balakrishnan Mr.S.Prince Samuel Dr.V.Kavitha Mr.H.UmeshPrabhu Dr.T.Sureshkumar Dr.PallaviSapkale Dr.Baban U Rindhe	Autonomous nursing robot for hospitals based on wireless Beacon network	11-10-2023	20-10-2023
50	202341069005	Dr.M.Muthalakshmi Dr.Santi Swarup Basa Mrs.Haripriyara V Mr.B.Ravikumar Mr.R.Sreekanth Dr.B.Gopinathan	IoT-Integrated adaptive agriculture system with Deep Learning analysis	13-10-2023	20-10-2023

51	Indian Patent 202341069305	Dr. N Venkatesh Chemical	IOT based humanity prediction using time series based ARIMA model	14/10/2023	24/11/2023
52	202311069353	Dr. Deepti Thakur Dr. Nikhil Kumar Dr. Jaikumar M. Patil Lathaselvi G Dr. Rajinder Sharma Prof Deepak Rathore Dr.C.GnanaKousalya Dr. G. Rohini	A Security Patrol all Terrain Robot	14/10/2023	24/11/2023
53	202341069380	Dr. V. T. Geetha Dr. Bajirao B. Ahire Dr. Sujata Milind Kasabe Mr. Ajinkyeshamrao Dr. Ravi Kota Dr. A. Mahalakshmi Dr. Parul Dohare Dr. Sanjay Kumar Singh Dr. Shreni Diwakar Dr. Santhosh Kumar Nathsharma	Green Chemistry Approach to Noble Metal Nanoparticle Formation With Waste Biomass	15/10/2023	24/11/2023
54	20231070729	Dr.M.RameshBabu Mr.C.Venkateshkumar Dr.K.Vinoth Mr.S.Karthik	An exhaustive solution of power system unit commitment problem using enhanced binary salp swam optimization algorithm	16-10-2023	24/11/2023
55	202341070197	Dr.V.Kalvinathan Dr.Manivannan.C Dr.Dheepanchakravarthi Dr.Muhuvel P V.Krishnakumar	High-capacity solid-state Lithium-ion battery with enhanced safety for electric vehicles	16-10-2023	24/11/2023
56	Indian Patent 202341069912	Dr. C Siva Balaji Yadav Sabareesh Ramanan K.Jagadeeswari Satyam Kachhti E D Pavanakumar Dr S Anna Durai Satishkumar Patnala Mr.K.Karthikeyan Dr.K.Aravindhhan Mr.K.Balaji	Artificial Intelligence based Smart student Management system to monitor and Increasing student Engagement through Assessment using IOTand machine Learning Algorithms	16/10/2023	24/11/2023
57	202341071174	R.Brindha P.U.Poornima R.Elanhirayan S.Lourdu Jame S.P.Vedavalli S.Gomathi	High-Efficiency power conversion modules for electric vehicle drive trains	18/10/2023	24/11/2023

58	20231102102	Dr.Jaidev Kumar Madhuri Pulavarthi M.Brindha, Prof.Shilpa M Satre Sivakumar.S Dr.Pradeep Devendra Gaikwad Kailash Rameshwar Kale Dr.S.Pradeep Dr.PrasantMundeja Dr.D.Shamia Dr.R.K.Gnanamurthy Dr.Sheetal Atul Phatangare	Data – Centric techniques to enhance Machine Learning performance in quantum information science	21/10/2023	02/11/2023
59	Indian Patent 202341072139	Mrs. Mortha Sharmila Dr. S. Sarayu Priyadarshini Dr. K. Abinaya Dr.Abirami T Dr. T. Raghavendra Vishnu Mrs. Kothapalli Bannoth Pranaya, Dr. V. Srija Mrs. B. Rajya Lakshmi Ms. A. Hemashree Dr. Bathina Rajesh Kumar Dr. G. Bhanu Kiran	Virtual classroom smart attendance system with ml predictive insights.	22/10/2023	15/12/2023
60	202341072136	Prakash kumar H R Madhurya B R, V.Radhika Anupama A, Ramadevi C R Janarthanam P Dr.C.Ramesh VChahatGuulati Suraj Yadav Dr.Sardeedu Paul Sindhu K Masan Senthiljkumar	Domain knowledge-enhanced and Artificial Intelligence and Machine Learning for predictive quality monitoring in resistance spot welding	22-10-2023	15-12-2023
61	202321072735	Ms.Isha Rajput Mr.Pawan Mandal Mr.MahendraPratap Swain Mrs.S.Gomathi	Practical interation of AI, ML, and IoT for advanced healthcare solutions	25-10-2023	25-10-2023
62	Indian Patent 202311074355	Dr.G.Purushothaman	A Graph-Based Artificial Intel IOT Network Security and Attack Detection Systems	31/10/2023	24/11/2023
63	202341074570	Mrs.SwethaKannepally Dr.AbdulRazak Dr.ItumRuti Mr.Bhaskar Rao G Mr.URamani Dr.NelloreManojkumar Mr.T.Azhagesvaran Mr.T.Srianandaganesh Mr.B.Perumal Mr.Srikanth.S	Innovative solar charging mechanism using Fuzzy Logic Controller for EV battery	01-11-2023	15-12-2023

64	202341075539	Dr.R.Arun	Improving Global Financial Modelling Through Big data Analytics	06-11-2023	22/12/2023
65	202341075526	Dr. A. PonmanaSelvan Dr. K.Venkatesh Dr. P. Anbarasan G.Sujatha Dr. A. PonmanaSelvan Dr. K.Venkatesh Dr. P. Anbarasan G.Sujatha	Integrated smart home management system wit predictive maintenance	06-11-2023	23-12-2023
66	202341068477	Dr.M.Manikandan	Based on artificial intelligence system economics, a model for early warning of enterprise accounting risk.	10-11-2023	20/10/2023
67	202341077050	Elavarasi M Mr.HarshalVishvanthPatil Dr.BhojarajhanantBarhate Dr.Vaibhav P Sonaje Dr.Kaushik V S Dr.J.Sirisha Devi Dr.M.Anitha B.V.SaiThirinath N.Jagadeesh Dr.Ashishavasthi Dr.Vijaysingh S.Ramya	IoT security and privacy enhancement with machine and Deep Learning	10-11-2023	15-12-2023
68	202341084573	Dr.R.Ramammorthy	Block chain based supply chain management system for sustainable sourcing and procurement	12-11-2023	05-01-2024
69	Indian Patent 202341077742	Dr. Manjula M. Hanchinal Dr. A. Vijayan, Dr. M. Sivaji Dr. C. Arun Kumar Dr. P. Selvarani, Dr. P. Srilatha Dr. Atchuta Rao Sadu Mr. Veeresh Malagi Dr. Gosu Nageswara Reddy Mr. C. Sankar	Advanced Computational Model for Nanofluid Viscosity Forecasting	15/11/2023	15/12/2023
70	Indian Patent 202341078493	Dr. A. Subramani Dr. G. Sriram Prasath Dr. D. Saravanan Dr. R. Tamilarasan Dr. R. Selvam Dr. A. Ashma Dr. G. Sasikumar	Green Technologies for Synthesizing Nanomaterials with a Focus on Metal as well as Metal Oxide	18/11/2023	29/12/2023

71	Indian Patent 202341079499	Dr. Preethy K R Dr. M Chamundeeswari Ms. P. Deno Petrecia	Multimodality Superparamagnetic Graphene Composites using an Eco Consious Technology for Precision Nanomedicine Detection	23/11/2023	01/12/2023
72	202341079679	Deekshith Jain Dr.M.Chittaranjan B.Suresh, T.Vijayashankar Sateesh Devanga Yerra Christina. MrChitte Anil Dr.P.Sampath Dr.Maaz Allah Khan Madhuri Ganesh Pagale Priyank Udaybhai Trivedi Ruthra R	Artificial Intelligence and Machine Learning-Based Approaches for Estimating the Cost and Performance of Prestressed Steel in Concrete Bridge Construction	23/11/2023	22/12/2023
73	202341082441	Dr.Lekshmi.R.S	AI Enabled Internationalisation and Institutional Growth Monitoring System in Business Model	04-12-2023	05-01-2024
74	202341082660	Dr.R.Arun	Artificial Intelligence, Robotic Technologies, and service Automation in the hospitality and Tourism Industries	05-12-2023	05-01-2024
75	Indian Patent 202331082919	Dr.Bibhu Prasad Dr.Manoj Kumar Merugumalla Dr. S. Sarayu Priyadarshini Dr. Nellore Manoj Kumar Smt.N.Lavanya Dr.M.Sailaja Dr. Sajja Suneel	Curriculum Optimization using Machine Learning and AI: Towards Personalized Learning Experiences	05/12/2023	19/01/2024
76	Indian Patent 202331082922	Dr. Ami Kumar Parida Dr. Elia Thagaram Dr. S. Sarayu Priyadarshini Dr. D. Sudhakar Dr. Nellore Manoj Kumar Dr. M. Sailaja Dr. S. Rasheed Mansoor Ali	Incorporation of AI Assistants in Classroom Settings for Enhanced Learning Outcomes	05/12/2023	19/01/2024
77	Indian Patent 202341084419	Dr. J. Sivapriya Dr. S. Jayakumar Ms. Rajitha Radhakrishnan Dr. Jayavel Murugasamy Dr. Ramkumar j Dr. A. Uma Devi Mrs. P. Usha	Implementation of Bio- chemical Analyzer	11/12/2023	12/01/2024

78	202341086091	Dr. J.Balamurugan Dr. R.Arun	The impact of e-commerce on business performance in a business-to-business environment	16/12/2023	12-01-2024
79	202341086044	Dr M Shunmugasundaram	Method to identify the influence of a cashless transactions revolution fuelling the expansion of the digital economy	16/12/2023	12-01-2024
80	Indian Patent 202321086647	Praful V. Nandankar Levina Tukaram Santhosha B M Sagar Balasaheb More Prajwal Vitthal Bhalsing Mrs. Suneeta Netala Dr. G. Meena Devi Mahammad Anwar Santosh Kumar Niveditha M K	Deep learning techniques revolutionizing biomedical applications	18/12/2023	12/01/2024
81	202341088835	Dr. Angelin S Kiruba	Indian exporters and importers current access to and use of financing in international trade	26/12/2023	12-01-2024
82	Indian Patent 202341089157	Dr. S. M. Prakash Dr. Anitha Rexalin Devaraj Dr. L. Vidhya Dr. B. Jeyagowri Dr. S. J. Pradeeba Dr. V. Nirmala Devi Dr. Nadikatla Santhosh Kumar	Synthesis and Characterization of Diphenylmethane-Indole Derivatives with Antioxidant activity Assisted by Microwave	27/12/2023	12/01/2024
83	202341089156	Dr. A.Sathish	An investigation of the impact of insurance companies on the promotion of growth within small and medium sized enterprises	27/12/2023	12-01-2024
84	202331089032	Dr.Subalya S	Human Resources Analytics: A Systematic Examination of HR Procedures	27/12/2023	26/01/2024
85	202341090236	Dr.Shunmuga Sundaram	A novel human resource management system and employee compensation planning system	30/12/2023	26/01/2024

86	Indian Patent 202341090389	Dr. M.V. Chakradhara Rao Dr. N. Srinivasa Rao Dr. Nellore Manoj Kumar Dr. T. Siva Nageswara Rao Dr. Satakshi Singh Mrs. Akkaraju Lalitha Dr. K. Venkatachalam Dr. Manju Kashyap Dr. S. Arul Amirtha Raja Mr. Nandan Kumar Navin	Adaptive fuzzy algebraic processor for optimized data analytics in uncertain environments	31/12/2023	26/01/2024
87	Indian Patent 202341090389	Dr. M.V. Chakradhara Rao Dr. N. Srinivasa Rao Dr. Nellore Manoj Kumar Dr. T. Siva Nageswara Rao Dr. Satakshi Singh Mrs. Akkaraju Lalitha Dr. K. Venkatachalam Dr. Manju Kashyap Dr. S. Arul Amirtha Raja Mr. Nandan Kumar Navin	Adaptive fuzzy algebraic processor for optimized data analytics in uncertain environments	31/12/2023	26/01/2024
88	202441001472	Dr. Angelin S Kriuba	A Machine Learning-Based Human Resource-Based Management Processing System for Detecting Personnel Stress	08-01-2024	09-02-2024
89	202441001734	Menaga. A	Innovation of Business Models through the Application of Design Thinking	09-01-2024	09-02-2024
90	Indian Patent 202441001811	Ms. Yuwvaranni.S Ms. Catherin Jeni J Ms. Nathiya S Dr. M. Chamundeeswari	Exploring the health benefits of polyherbal –Infused Blue tea : An investigation into Anti oxidant, Anti cancer, Anti Diabetic and Anti Microbial properties	10/1/2024	9/2/2024
91	202441002314	Dr. S. Gangadharan	Analysis of the factors that influence electronic customer relationship management (E-CRM) in the banking sector using analytical technique	11-01-2024	09-02-2024
92	202431002752	DR G Aishwarya	The Role of Conceptions of Design Thinking in Management Discussions	13-01-2024	02-02-2024

93	202441002749	Ms. A Ammupriya	An Investigation in human Resource Analytics involving the impact on employee turnover	13/01/2024	09-02-2024
94	202441002926	Dr.K.Sampath	Analysis of Brunei's Small And Medium-Sized Businesses' Use of Management Accounting Systems	15/01/2024	09-02-2024
95	Indian Patent 202441005287	Dr. P. Jayakumar Dr. V. Deepa Dr. A. Greeni Dr. M. S. Pradeep K. Swarnamughi Dr. Sreevidhya S Dr. B. Sridevi A.Sathiya Jothi K. Shobha Ms. Divya T. J. Sub. Lt Sabareedharan M K. Perumal	Technological innovations in elt: enhancing language acquisition in the digital era	25/01/2024	09/02/2024
96	Indian Patent 202441005427	Mr. B. Mallesham Dr. Jhinuk De Dr. Shakeel Ahmed Dr. S. R. Thilagavathy Ms. Rachna Dixit Dr. S. Kiruba Dr. Anil Kumar Singh Priyaka Gupta Dr. Deepali Mahajan Dr. Mukesh Kumar Rimpy Mehta	Nanostructured Catalysis for Green Syntehsis of Pharmaceutical Intermediates	26/01/2024	09/02/2024
97	Indian Patent 202441006635	Dr. Madugula Vinod Kumar Mr.Sangam Ravi Kumar Dr. Kavita B. Bajbai Dr.Nellore Manoj Kumar Mr.Apana Kiran Kumar Mr.Ajeakashi K C Dr.N. Jose Parvin Praveena Dr.Animesh Kumar Sharma Dr. Kuparala Venkata Vidyasagar	Convergence acceleration in numerical solutions using fixed point combinatorial strategies	31/01/2024	11/02/2024
98	Indian Patent 202441006620	C.B. Priya, Dr. M. Esakkiyammal Dr. S. Kiruba, K. Keerthana R. Vasuki, Reshma. P K. Padmavathy, A. Saranya Geetha P. V	Method of Making Noble Metal Nano Particles	31/01/2024	09/02/2024

99	Indian Patent 202411007396	Dr. Balraj Kumar Dr. K. Sharath Babu Dr. Suneetha Naisa Dr. Narendra Jagannath Salunke Dr. G. Venkat Narayanan Avick Kumar Dey Dr. Rishi Kant	A Wise Marketing System for Good Customer Engagement Through Machine Learning	03/02/2024	16/02/2024
100	Indian Patent 202441008113	Dr. P. Jayakumar Dr. K. Kurugnanagowtham Dr. R. Suchithra Anjana A, Vaishnavi S Moniza Ray S. P Dr. T. Rajasekar Ms. Divya T. J, Dr. Murugavel S Dr. M. Vinoth Kumar Ms. S. Lavanya, K. Perumal	Mobile Application for Esl Learners in Vocabulary Acquisition	06/02/2024	01/03/2024
101	202441009087	Ms.Jebakerupa Roslin A	Adaptive Image Enhancement System using Artificial Intelligence for Real-Time Object Recognition	10-02-2024	08-03-2024
102	Indian Patent 202441009929	Dr. G. Pandi Selvi Pradeep Sharma Dr. M.S. Saritha Mr. S. M. Balaji S.P. NeehalikaBavya Dr. G. Meena Devi	Implementing Data Mining for Human Resource Management Based Economic Analysis	10/02/2024	08/03/2024
103	Indian Patent 202441010488	Dr. Iliyas Ali Shaik Dr. P. Athahar Mrs. Nadiminti Shailaja Dr. S. Sarayu Priyadarshini Dr. V. Bhargavi Reddy Dr. N. Sree Rajani Dr. Nakul Sharma Dr. Nellore Manoj Kumar	Interactive Language Learning System for Teaching English to Toddlers	15/02/2024	08/03/2024
104	Indian Patent 202411014349	Dr. Shakeel Ahmed Dr. V. Sugumar Kiran Kumar Veerabattini Dr. V. N. Nandini Devi Mr. B Mallesham Ms. Jemimah S Dr. Kavita Khatana Dr. Yashaswi Singh Mr. Akki Rajasekhar Reddy Ms. Swati Singh Dr. Harikumar Pallathadka	Biodegradable Polymers with Tunable Properties for Sustainable Packaging	28/02/2024	08/03/2024

105	Indian Patent 202441015700	Dr. K. A. Emmanuel Dr. T.V. Nagalakshmi Dr. Srinivas Ganganagunta Dr. Ashish Verma Mrs. Abha Gupta Dr. A. Rambabu Dr. N.R. Rajagopalan Dr. Bhagya Kumar Tatavarti	Tailoring NiO Nanostructures for Green Energy Generation and Environmental Cleanup	03/03/2024	15/03/2024
106	Indian Patent 202441015701	Dr. K. A. Emmanuel Dr. T.V. Nagalakshmi Dr. S. Sonadevi Dr. D. Rajaraman Dr. Rajendra P. Patil Dr. N.R. Rajagopalan Dr. Krishnaveni Gudela	Synthesis and Characterization of NiO - Based Nanostructures for Enhanced Photocatalytic Activity	03/03/2024	15/03/2024
107	202441016221	S. Avinash	The Influence of Customer Performance Commitment on the Appraisal of Product Quality by Customers	07-03-2024	22-03-2024
108	Indian Patent 202441017258	Dr. P. Jayakumar Dr. G. Immanuel Dr. B. Sridevi Mrs. S. Durga Dr. Mary Surya kala Ms. R. Rajeswari Ms P. Kanchana Dr. S. Sarayu Priyadarshini K. Shoba Ambiga. S Dr. A. Ganesan Padmapriya P	Enhanced Language Learning through Multimedia Integration: Leveraging English Subtitles for Fluency Development	11/03/2024	29/03/2024
109	Indian Patent 202444017185	Dr.P.Agilan Dr.V.Vallinayagam Dr.G.Meena Devi Dr. K. Angayarkanni Dr. S. Karunya Ms.R. RAJALAKSHMI Dr Vishwa Priya V Dr.K.M.Kumar Mr.Abishek David John	Various Mathematical Models in Agricultural Engineering	11/03/2024	29/03/2024
110	Indian Patent 202441020880	Dr. V. S. Saranya M. Jayasri Dr. M. Sughasiny S. S. Nagamuthu Krishnan Tushar Agarwal Dr. V. Swarnalatha J. Fathima	A Novel Deep Learning Enable Robot to Mimic Employees	19/03/2024	29/03/2024

111	202411021969	Dr .R. Monisha	Improving Employer Branding Strategies using Machine Learning	21-03-2024	26-04-2024
112	Indian Patent 411465-001	Mrs.P.Deepa Mr. Harshal Shelar Dr. Kannan Vellingiri Mr.S.Manikanda Prabhu Mrs.S.Rosaline Nirmala Dr. S Jeyalakshmi Dr Lila Simon	Iot Based Automatic Students Attendance Monitoring System	23/03/2024	22/05/2024
113	202421022742	Dr. A. Sathish	Intelligent Algorithmic Trading System: Advancements in Financial Technology	23-03-2024	03-05-2024
114	202441026470	Dr.R.Bharatvajan	Integrated Project Management Platform with Real Time Collaboration Features for Efficient Workflow	30-03-2024	05-04-2024
115	Indian Patent 202421026732	Dr. Athare Anil Eknath Dr. S. Devaraj Dr. Pattisam Venkata Prasad Dr. Nellore Manoj Kumar Dr. Ashok Kumar S L Dr. Sarathi N Dr. G. Nageswara Rao Dr. Santosh Kumar Nathsharma Dr. Shailendra Badal Dr. S. Rama Dr. Y. Sushma Priya	Platinum Nanoparticles as Potent Antibacterial Agents	31/03/2024	03/05/2024
116	Indian Patent 415898-001	Dr Danesh Dinyar Chinoy Dr.Vadivelan Kanniappan Dr. Nethala Hari Babu Dr. N. Ashok Colonel Prof Dr N N Murthy Dr. K.Suresh Dr. E.N Ganesh Dr. Kannan Vellingiri	Hydraulic Operated Apparatus for Physiotherapy	05/04/2024	05/05/2024

117	Indian Patent 202441028359	Dr. K. Ambika Dr. P. Karthikeyan Mrs. S. Chitra Devi Dr. R. Ramkumar Mrs. S. Savitha	IOT Based Fully Automated Medication Storage and Retrieval System	05/04/2024	12/04/2024
118	Indian Patent 202441031950	Dr. Ch S Naga Prasad Dr. Ashish Verma Dr. Sanjay Kumar Singh Dr. Nellore Manoj Kumar Dr. N. Punitha Dr. G. Anita Hebsiba Dr. P. Jayaprakash Dr. D. V. Acharyulu	Advanced Nanocomposite Materials for Enhanced Humidity Sensing Performance	22/04/2024	26/04/2024
119	202441040599	Mr. L. Rajeshkumar	Artificial intelligence based customer review assessment in e-Commerce industry	24-05-2024	31-05-2024
120	202441046403	Dr. Ajit	System for delivery route optimization in a networked commerce system	16-06-2024	21-03-2024

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.

Patents Granted

Sl. No.	Country & Patent No.	Name of the Inventor(s)	Title	Date of Filing	Date of Award
1	370732-001 Design Registration	Dr. R.Nadanasabai	Electronic token generator	12-09-2022	20/06/2023
2	383387-001 Design Pattern	Dr.N R N V Gowripathi Rao, Dr.V.Muthulakshmi Dr Kumar Manoj, Ms.S.Jayachitra,	IOT based Food Waste Recycling Machine	08/04/2023	01/08/2023
3	387238-001 Design Registration	Mr.Rafik Jamil Shaikh Dr.A.N.Arularasan Ms.S.Jayachitra Ms.A.Kavitha	Artificial Intelligence Based Ultraviolet Disinfecting Device for Medical Instruments	29/05/2023	04/09/2023
4	393995-001 Design Registration	Dr.D.JoelJebadurai	Voice-Enabled Shopping Assistance Device	29/08/2023	17/10/2023
5	461003 Indian Patent	Dr.G. Baskar Professor, Dept.of Biotechnology	A process for preparing bioconjugate from Calotropis latex and L-Asparaginase.	04/03/2020	20/10/2023
6	392570-001 Design Registration	Dr. S. Padmanadhan Dr P R Kalyana Chakravarthy Dr S Durgalakshmi Dr K Kalaivani Mrs S Banupriya Dr G Sharmilaa Dr J R Deepak Dr Deborah Raj Dr A Parthiban Mr R Dhandapani	Water Purifier	11/08/2023	30/10/2023
7	395991-001 Design Registration	Dr.K.Jawahar Rani	Financial Data Managing Device in Bank	25/09/2023	16/11/2023
8	397132-001 Design Registration	Dr.R.Sundari	Plastic waste management system	09-10-2023	19/12/2023

9	57761 Indian Patent	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	06/02/2024
10	516092 Indian Patent	Karthikeyan M V Dr. J. Martin Leo Manickam	Physiological Value-Based Implanted Medical Device Security System	24/01/2020	27/02/2024
11	538665 Indian Patent	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	20/05/2024
12	417777-001 Design Registration	Dr.R.Nadanasabai	Visual fault locator (VFL) to find breaks in fiber cable	16-05-2024	23-05-2024
13	546931 Indian Patent	Mrs. Jiji K N Dr. P. Muralidharan Dr. S. Justin Packia Jacob Professor, Dept.of Biotechnology	Composition Containing an Extract of Clitoriaternatea. L for the Improvement of Behaviour and Cognit	12/04/2022	01/08/2024



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.

Anna University Research Centres Recognition



Dr. C.UMARANI
DIRECTOR

CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Telephone : +91-44-2235 7300/2235 0361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com

Lr.No: 1317/RDR/AIDS/AR2

To
The Principal
St Josephs College of Engineering,
Old Mamallapuram Road,
Chennai 600119



Date : 03.05.2024

Sir/Madam,

Sub : Anna University - Research Department Recognition - **Department of Artificial Intelligence and Data Science** - Orders - Issued.
Ref : Your Application No.: **16IR2629**

I am by direction to inform that the **Department of Artificial Intelligence and Data Science** of your Institution has been recognized as a Research Department with effect from **03.05.2024** for a period of three years upto **June 2027** as per common renewal session. The faculty members of this Department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D./M.S.(By Research) programme.

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

The above recognition shall be renewed once in **three years** in compliance with the required norms for Research Department as applicable.

In all future correspondence quote "4131730" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. **Renewal can be done three months prior to last date.**

T. Umami
DIRECTOR
3/5/24
3/5/24



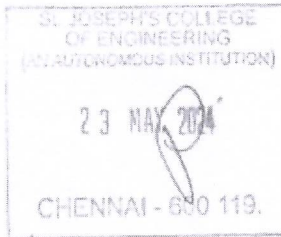
CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

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

Lr.No: 1317/RDR/AIML/AR2



Date : 21.05.2024

To
The Principal
St Josephs College of Engineering,
Old Mamallapuram Road,
Chennai 600119

Sir/Madam,

Sub : Anna University - Research Department Recognition - **Department of Artificial Intelligence and Machine Learning** - Orders - Issued.
Ref : Your Application No.: **16IR2624**

I am by direction to inform that the **Department of Artificial Intelligence and Machine Learning** of your Institution has been recognized as a Research Department with effect from **21.05.2024** for a period of three years upto **June 2027** as per common renewal session. The faculty members of this Department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D./M.S.(By Research) programme.

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

The above recognition shall be renewed once in **three years** in compliance with the required norms for Research Department as applicable.

In all future correspondence quote "4131731" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. **Renewal can be done three months prior to last date.**

W. Umair
21/5/24

DIRECTOR

21/5/24 *21/5/24* *21/5/24*



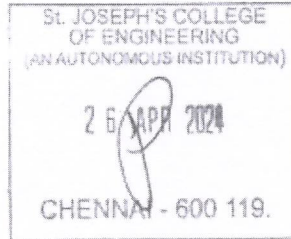
CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

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

Lr.No. 1317/IR/Biotechnology/AR2



Date : 24.04.2024

✓To
The Principal
St Josephs College of Engineering,
Old Mamallapuram,
Chennai 600119

Sir/Madam,

Sub : Anna University - Research Centre Recognition - **Department of Biotechnology - Renewal - Orders - Issued.**
Ref : Your Application No.: **16IR2782**

I am by direction to inform that the recognition of the **Department of Biotechnology** of your Institution has been renewed up to **June 2027** as per "Common Renewal Session" to do collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above department may be permitted to guide candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. 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 "4131702" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. **Renewal can be done three months prior to last date.**

Umarani
24/4/24
DIRECTOR

P
24/04/24
24/04/24



Dr. C.UMARANI
DIRECTOR

CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



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



Date : 13.02.2023

Lr.No: 1317/IR/Chemical/AR2

To
The Principal
St Josephs College of Engineering,
Chemmenchery,
Chennai 600119



Sir/Madam,

Sub : Anna University - Research Centre Recognition - Department of
Chemical Engineering - Orders - Issued.

I am by direction to inform that the Department of Chemical Engineering of your Institution has been recognized as a research centre with effect from **13.02.2023** for a period of three years upto **December 2025** as per common renewal session. The faculty members of this Department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above Department may be permitted to guide the candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre as applicable.

In all future correspondence quote "4131703" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. Renewal can be done three months prior to last date.

W. Umami
13/2/23
DIRECTOR

W
13/2/23



CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

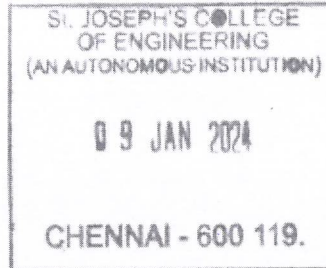
Telephone : +91-44-2235 7366/2235 0361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com



Date : 02.01.2024

Lr.No. 1317/IR/CSE/AR2

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



Sir/Madam,

Sub : Anna University - Research Centre Recognition - Department of
Computer Science and Engineering - Renewal - Orders - Issued.
Ref : Your Application No.: 16IR2661

I am by direction to inform that the recognition of the **Department of Computer Science and Engineering** of your Institution has been renewed up to **December 2026** as per "Common Renewal Session" to do collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above department may be permitted to guide candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. 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 "4131706" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. **Renewal can be done three months prior to last date.**

21/1/24

DIRECTOR

4/2/1/2024

4/2/1/24



CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

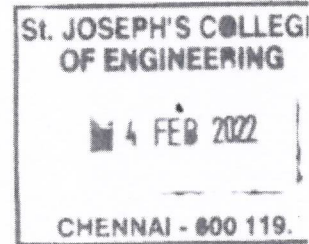
Telephone : +91-44-2235 7366/2235 0361
 Fax : +91-44-2220 1213
 Email : dirresearch@annauniv.edu
 dirresearch@gmail.com



Date : 02.02.2022

Lr.No. 1317/IR/ECE/AR2

To
 The Principal
 St Josephs College of Engineering,
 OMR,
 Chennai 600119



Sir/Madam,

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

I am by direction to inform that the recognition of the Department of Electronics and Communication Engineering of your Institution has been renewed up to **December 2024** as per "Common Renewal Session" to do collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above department may be permitted to guide candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. 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 "4131707" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. Renewal can be done three months prior to last date.

W. Umami
 02/02/2022
 DIRECTOR

W
 02/02/22



CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

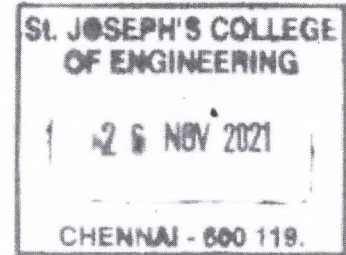
Telephone : +91-44-2235 7366/2235 0364
 Fax : +91-44-2220 1213
 Email : dirresearch@annauniv.edu
 dirresearch@gmail.com



Date : 23.11.2021

Lr.No. 1317/IR/EEE/AR2

To
 The Principal
 St. Josephs College of Engineering,
 OMR,
 Chennai 600119



Sir/Madam,

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

I am by direction to inform that the recognition of the Department of Electrical and Electronics Engineering of your Institution has been renewed up to **December 2024** as per "Common Renewal Session" to do collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above department may be permitted to guide candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. 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 (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. Renewal can be done three months prior to last date.

W. Umami
 23/11/2021
DIRECTOR

D. S. S. S.
 23/11/21



CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

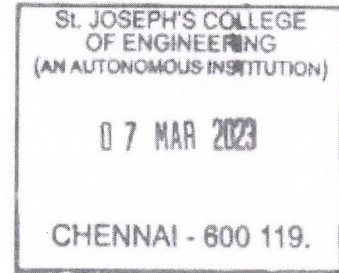
Telephone : +91-44-2235 7386/2235 0361
 Fax : +91-44-2220 1213
 Email : dirresearch@annauniv.edu
 dirresearch@gmail.com



Date : 06.03.2023

Lr.No: 1317/IR/EIE/AR2

To
 The Principal
 St Josephs College of Engineering,
 Sholinganallur,
 Chennai 600119



Sir/Madam,

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

I am by direction to inform that the Department of Electronics and Instrumentation Engineering of your Institution has been recognized as a research centre with effect from **06.03.2023** for a period of three years upto **December 2025** as per common renewal session. The faculty members of this Department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above Department may be permitted to guide the candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre as applicable.

In all future correspondence quote "4131709" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. Renewal can be done three months prior to last date.

Umarani
 6/3/23
DIRECTOR

6/3/23



CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

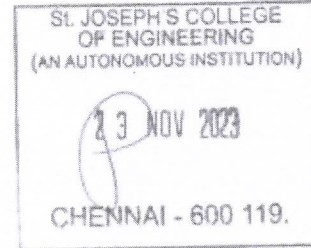
Telephone : +91-44-2235 7306/2235 0361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com



Date : 20.11.2023

Lr.No: 1317/IR/IT/AR2

To
The Principal
St Josephs College of Engineering,
Kanchipuram,
Chennai 600119



Sir/Madam,

Sub : Anna University - Research Centre Recognition - **Department of Information Technology** - Orders - Issued.
Ref : Your Application No.: **16IR2504**

I am by direction to inform that the **Department of Information Technology** of your Institution has been recognized as a research centre with effect from **20.11.2023** for a period of three years upto **December 2026** as per common renewal session. The faculty members of this Department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above Department may be permitted to guide the candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. Regulations.

The above recognition shall be renewed once in **three years** in compliance with the required norms for research centre as applicable.

In all future correspondence quote "4131713" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. **Renewal can be done three months prior to last date.**

W. Umang
20/11/2023
DIRECTOR

W. Umang
20/11/2023

W. Umang
20/11/2023



CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

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

Lr.No. 1317/IR/Mechanical/AR2

ST. JOSEPH'S COLLEGE
OF ENGINEERING
(AN AUTONOMOUS INSTITUTION)



Date : 17.04.2024

✓ To

The Principal
St Josephs College of Engineering,
Old Mamallapuram Road,
Chennai 600119

23 APR 2024

CHENNAI - 600 119.

Sir/Madam,

Sub : Anna University - Research Centre Recognition - **Department of Mechanical Engineering - Renewal - Orders - Issued.**
Ref : Your Application No.: **16IR2769**

I am by direction to inform that the recognition of the **Department of Mechanical Engineering** of your Institution has been renewed up to **June 2027** as per "Common Renewal Session" to do collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above department may be permitted to guide candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. 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 "4131717" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. **Renewal can be done three months prior to last date.**

Umarani
17/4/24
DIRECTOR

17/4/24

17/4/24



CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

Telephone : +91-44-2235 7366/2235 9361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com

Lr.No: 1317/IR/Mathematics/AR2

ST. JOSEPH'S COLLEGE
OF ENGINEERING
(AN AUTONOMOUS INSTITUTION)



Date : 21.03.2024

To
The Principal
St Josephs College of Engineering,
OMR,
Chennai 600119

25 MAR 2024

CHENNAI - 600 119.

Sir/Madam,

Sub : Anna University - Research Centre Recognition - Department of
Mathematics - Orders - Issued.

Ref : Your Application No.: **16IR2557**

I am by direction to inform that the **Department of Mathematics** of your Institution has been recognized as a research centre with effect from **21.03.2024** for a period of three years upto **December 2026** as per common renewal session. The faculty members of this Department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above Department may be permitted to guide the candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. Regulations.

The above recognition shall be renewed once in **three years** in compliance with the required norms for research centre as applicable.

In all future correspondence quote "4131715" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. **Renewal can be done three months prior to last date.**

W. Umairi
21/3/24

DIRECTOR

21/3/2024

69
21/3/24



CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

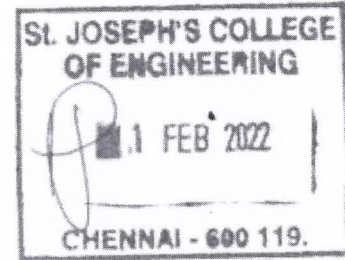
Telephone : +91-44-2235 7366/2235 0361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com



Date : 22.01.2022

Lr.No: 1317/IR/Physics/AR2

To
The Principal
St.Josephs College of Engineering,
OMR Road,
Chennai 600119



Sir/Madam,

Sub : Anna University - Research centre recognition - Department of
Physics - Orders - Issued.

I am by direction to inform that the Department of Physics of your Institution has been recognized as a research centre with effect from **22.01.2022** for a period of three years upto **December 2024** as per common renewal session. The faculty members of this Department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above Department may be permitted to guide the candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre as applicable.

In all future correspondence quote "4131720" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. Renewal can be done three months prior to last date.

W. Umamani
22/1/22

DIRECTOR

22/1/22
22/1/2022



CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. C.UMARANI
DIRECTOR

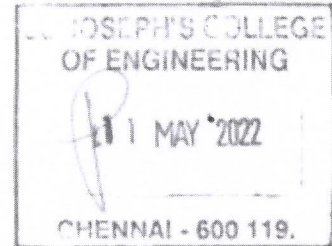
Telephone : +91-44-2235 7366/2235 0361
 Fax : +91-44-2220 1213
 Email : dirresearch@annauniv.edu
 dirresearch@gmail.com



Date : 09.05.2022

Lr.No: 1317/IR/Chemistry/AR2

To
 The Principal
 St.Josephs College of Engineering ,
 OMR Road,
 Chennai 600119



Sir/Madam,

Sub : Anna University - Research centre recognition - Department of
 Chemistry - Orders - Issued.

I am by direction to inform that the Department of Chemistry of your Institution has been recognized as a research centre with effect from **09.05.2022** for a period of three years upto **June 2025** as per common renewal session. The faculty members of this Department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above Department may be permitted to guide the candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre as applicable.

In all future correspondence quote "4131704" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. Renewal can be done three months prior to last date.

W. Manoj
 09/05/2022
DIRECTOR

9/5/22
9/5/22