

PRATHYUSHA ENGINEERING COLLEGE

List of Papers Published in Reputed Journals in the academic year 2020-21

S NO	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN Number	Link to the recognition in UGC enlistment of the Journal
1	Designing Of Multiplexers Using Quantum-Dot Cellular Automata	Dr S Arun	ECE	Test Engineering and Management (Scopus Indexed)	May -June 2020	ISSN: 0193-4120	http://www.testmagzine.biz/index.php/testmagzine/article/view/7742/5875
2	Modified Morris–Lecar neuron model: effects of very low frequency electric fields and of magnetic fields on the local and network dynamics of an excitable media	Dr.Anitha Karthikeyn	ECE	Research Square-Springer Nonlinear Dynamics	09-05-2021		https://link.springer.com/article/10.1007/s11071-021-06494-0
3	Size matters: Effects of the size of heterogeneity on the wave re-entry and spiral wave formation in an excitable media	Dr Anitha Karthikeyn	ECE	Chaos: An Interdisciplinary Journal of Nonlinear Science	20-05-2021	Chaos 31, 053131	https://doi.org/10.1063/5.0051010
4	Cyber Attack Detection on IOT Using Network Traffic Mechanism by Neural Network Predictive Approach	Dr.S Arun /R.Thiyagarajan	ECE/CS E	European Journal of Molecular & Clinical Medicine	Jul 1905	Online ISSN: 2515-8260	https://ejmcm.com/pdf_7475_4a937408961adc707377a5ffcc98e32f.html
5	Data accumulation with a reduced amount of retard requirements for wireless sensor networks	Dr S Arun	ECE	Test Engineering and Management (Scopus Indexed)	May-June 2020	ISSN: 0193-4120	http://www.testmagzine.biz/index.php/testmagzine/article/view/7744/5877
6	MACHINE LEARNING APPROACH FOR STUDENT LEARNING PERFORMANCE PREDICTION BEFORE FINAL EXAMINATION	E U Iniyan	ECE	Turkish Journal of Physiotherapy and Rehabilitation	May 2021	ISSN 2651-4451 e-ISSN 2651-446X	https://turkijphysiotherrehabil.org/pub/pdf/321/32-1-107.pdf
7	Stair Climbing GPS enabled Autonomous Wheelchair with health monitoring system.	Dr.P.Malathi	ECE	International Journal of progressive Research in Science and Engineering	Sep 2020	2509-0119	https://journals.grdpublications.com/index.php/ijprse/article/view/176
8	"Facial Recognition Smart Glasses for Visually Challenged Persons"	Mrs.P.Vadivu	ECE	International Journal of Engineering Science and computing	Sep 2020	2321 - 3361	https://ijesc.org/upload/696bb294ad388339bb0a50e87a1925f2.Facial%20Recognition%20Smart%20Glasses%20for%20
9	EBG Based Analysis for Transient Ischemic Attack Detection	Mr.T.Rubesh Kumar	ECE	Solid State Technology (Scopus Indexed)	2020	0038111X	http://solidstatetechnology.us/index.php/JSST/article/view/1457

10	Assist for Visually Impaired Using Voice Command Device	Mr.E.Dilliraj	ECE	International Journal of Innovative Research in Computer and	2020	2320 - 9801	http://doi.org/10.15680/IJIRCCE.2020.0803031
11	Smart Pill Vending System for Rural Population with Fault Tolerance	Mr.E.U.Iniyan	ECE	International Journal of Scientific Development and Research	Sep 2020	2455 - 2631	https://www.ijedr.org/pubcurrentissue.php?v=5&i=9
12	Optimal routing and deep regression neural network for rice leaf disease prediction in IOT	Dr.S.Vimala	ECE	International journal of Computational methods	Dec-20	0219-8762	https://doi.org/10.1142/S0219876221500146
13	Predictive Analysis And Prognostic Approach Of Diabetes Prediction With Machine Learning Techniques	J Omana	IT	Wireless Personal Communications Pages 1-14, Springer	Feb 2022	ISSN: 0929-6212	10.1007/s11277-021-08274-w
14	Prediction Of Diabetes Mellitus Using Measure Of Insulin Resistance : A Combined Classifier Approach	J Omana	IT	Turkish Journal Of Computer And Mathematics Education	May 2022	ISSN 1309-4653	https://www.turcomat.org/index.php/turkbilmat/article/view/6654
15	Improving The Performance Of Solar Power Plants In Grid Connected Modes Using Altruistic Transformative Algorithm	Dr K. Sathiyasekar	EEE	ICTACT JOURNAL ON MICRO ELECTRONICS	July 2020	2395-1680 (online)	https://ictactjournals.in/ArticleDetails.aspx?id=4501
16	Prevalent Glitches in Generation of Solar Power Using PV Panels -An Indian Scenario	Dr K. Sathiyasekar	EEE	Jour of Adv Research in Dynamical & Control Systems	Sep-2020	1943-023X	https://www.jardcs.org/abstract.php?id=5866
17	Effect Of Panel Materials On The Performance Of Solar Cells	Dr K. Sathiyasekar	EEE	Palarchs Journal Of Archaeology Of Egypt / Egyptology	Nov-2020	17(7), 5329-5340. ISSN	https://archives.palarch.nl/index.php/jae/article/view/2695
18	SAP ERP based HRModule for an Educational Institution Payroll	Dr.S.PadmaPriya	CSE	Test Engineering and Management (Scopus Indexed)	May-June 2020	ISSN: 0193-4120	http://www.testmagazine.biz/index.php/testmagazine/article/view/7980/6032
19	SAP ERP Based PM Module	Dr.S.PadmaPriya	CSE	Test Engineering and Management (Scopus Indexed)	May -June 2020	ISSN: 0193-4120	http://www.testmagazine.biz/index.php/testmagazine/article/view/7745/5878
20	Designing Of Multiplexers Using Quantum-Dot Cellular Automata	Dr.S.PadmaPriya	CSE	Test Engineering and Management (Scopus Indexed)	May -June 2020	ISSN: 0193-4120	http://www.testmagazine.biz/index.php/testmagazine/article/view/7742/5875
21	Early Forest Fire Recognition Using Deep Learning	Dr.M.Gopikrishnan	CSE	Test Engineering and Management (Scopus Indexed)	May-June 2020	ISSN: 0193-4120	http://www.testmagazine.biz/index.php/testmagazine/article/view/7755/5883

22	Android Based Visual Product Identification for the Blind	Dr.R.Thiagarajan	CSE	Test Engineering and Management (Scopus Indexed)	May-June 2020	ISSN: 0193-4120	http://www.testmagzine.biz/index.php/estmagzine/article/view/7747/5880
23	Quality of Service Based Adhoc Ondemand Multipath Distance Vector Routing Protocol in Mobile AD HOC Network	Dr.R.Thiagarajan	CSE	Journal of Ambient Intelligence & Humanized Computing	May-June 2020	Issue no.5	https://www.researchgate.net/publication/340608913_Quality_of_Service_base_d_Ad_hoc_On-
24	Data accumulation with a reduced amount of retard requirements for wireless sensor networks	Dr.R.Thiagarajan	CSE	Test Engineering and Management (Scopus Indexed)	May-June 2020	ISSN: 0193-4120	http://www.testmagzine.biz/index.php/estmagzine/article/view/7744/5877
25	Prediction and pattern Identification of crime data using data mining techniques	Dr.R.Thiagarajan	CSE	Test Engineering and Management (Scopus Indexed)	June - july2020	ISSN:0193-4120	http://www.testmagzine.biz/index.php/estmagzine/article/view/7743/5876
26	A novel solution for economizing water by a mix of technologies with a low cost approach	Dr.R.Thiagarajan	CSE	International Journal of Advanced Science and Technology	June - july2020	ISSN: 0113-2120	http://sersec.org/journals/index.php/IJAST/article/view/14948
27	Optimised with Secure Approach in Detecting and Isolation of Malicious Nodes in MANET	Dr.R.Thiagarajan	CSE	Wireless Personal Communication ,Springer	Jan2021	Issue no.6	https://link.springer.com/article/10.1007/s11277-021-08092-0
28	Prediction and pattern Identification of crime data using data mining techniques	I.Mohan	CSE	Test Engineering and Management (Scopus Indexed)	May-June 2020	ISSN:0193-4120	http://www.testmagzine.biz/index.php/estmagzine/article/view/7743/5876
29	Classification of emotional states using ECG signals and SVM	Mr.W. Thamba Meshach	CSE	International Research Journal of Engineering and Technology	Aug 2020		https://www.irjet.net/archives/V7/i8/Velammal/NCRACES-02.pdf
30	RobustMalware Detection for IOT using Deep Eigen Space Learning	Ms. K. Sornalatha	CSE	Internarional Research Journal of Engineering and Technology	June 2020	ISSN: 2395-0072	https://www.irjet.net/archives/V7/i6/IRJET-V7I6278.pdf
31	<i>Prediction of Human Brain Tumor Based on Machine Learning</i>	Famitha .S	CSE	International Journal Of Advanced Science and Technology	August 2020		https://www.jncet.org/Manuscripts/Volume-9/Issue-1/Vol-9-issue-1-M-01.pdf
32	An Income Tax Fraud Detection Using AI	Dr.V.R.Kavitha	CSE	Journal Of Critical Reviews (Scopus Indexed)	#####	ISSN- 2394-5125	https://drive.google.com/file/d/10E62Y3pfTkXMhwJ4vyLBliZLLFQhEXpq/view
33	RUSSIA'S COVID – 19 VACCINE: SOCIAL DISCUSSION AND FIRST EMOTIONS	R. Meena	CSE	International Journal of Advanced Research in Engineering and	#####	ISSN Print: 0976-6480 and ISSN Online: 0976-6409	https://iaeme.com/MasterAdmin/Journal_uploads/IJARET/VOLUME_11_ISSUE_12/IJARET_11_12_280.pdf

34	Optimizations of extrusion semidie angle and fabrication of extrusion die	Dr V Jayaseelan	Mechanical	AIP Conference Proceedings	29.10.2020	0094-243X	https://doi.org/10.1063/5.0025152
35	Design and analysis of chain strip in roller conveyor under tensile load	Dr V Jayaseelan	Mechanical	AIP Conference Proceedings	29.10.2020	0094-243X	https://doi.org/10.1063/5.0025154
36	Experimental investigation on superplastic forming behavior of AA 6063/SiCp using stir casting	Dr V Jayaseelan	Mechanical	AIP Conference Proceedings	29.10.2020	0094-243X	https://doi.org/10.1063/5.0025150
37	Experimental investigation on diffusion bonding of dissimilar metals	Dr V Jayaseelan	Mechanical	AIP Conference Proceedings	29.10.2020	0094-243X	https://doi.org/10.1063/5.0025159
38	A review of conventional and renewable biodiesel production	Dr V Jayaseelan	Mechanical	Chinese Journal of Chemical Engineering	27.11.2020	1004-9541	https://doi.org/10.1016/j.cjche.2020.10.025
39	Thermal performance of U-shaped serpentine microchannel heat sink using various metal oxide nanofluids	Dr V Jayaseelan	Mechanical	Heat Transfer	7.12.2020	2688-4542	https://doi.org/10.1002/htj.22020
40	Acoustic and mechanical characterisation of polypropylene composites reinforced by natural fibres for automotive applications	Dr V Jayaseelan	Mechanical	Journal of Materials Research and Technology	1.12.2020		https://doi.org/10.1016/j.jmrt.2020.09.112
41	Biodiesel and green diesel generation: an overview	Dr V Jayaseelan	Mechanical	Oil & Gas Science and Technology–Revue d'IEP Energies	11.1.2021	1953-8189	https://doi.org/10.2516/ogst/2020088
42	Effect of ceramic coating on the performance, emission, and combustion characteristics of ethanol DI diesel engine	Dr V Jayaseelan	Mechanical	Materials Today Proceedings	1.1.2021	2214-7853	https://doi.org/10.1016/j.matpr.2020.04.160
43	Boiler Temperature and Pressure Monitoring System for Thermal Power Plant through LabVIEW	Dr.P. Jayaraman	Mechanical	Silicon	6.1.2021	1876-9918	https://doi.org/10.1007/s12633-020-00918-z
44	Statistical Data Mining through Credal Decision Tree Classifiers for Fault Prediction on Wind Turbine Blades Using Vibration Signals	Dr.P. Jayaraman	Mechanical	Silicon	19.03.2021	1876-9918	https://doi.org/10.1007/s12633-021-01060-0
45	Experimental and Numerical Studies on The Mechanical Characterization of Epdm/S-Sbr Nano Clay Composites	Mr N.Ramasamy	Mechanical	IOP Conference Series: Materials Science and Engineering	11.9.2020	1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/912/5/052016

46	Compressive response on Kevlar hybrid composite pipe under sea water environment	Mr N.Ramasamy	Mechanical	AIP Conference Proceedings	29.10.2020	0094-243X	https://doi.org/10.1063/5.0025018
47	Structural and Thermal Analysis of Composite Wind Turbine Blade for Wind Mill Applications	Mr N.Ramasamy	Mechanical	Journal of Adhesion Science and Technology	25.05.2021	1586-5616	https://doi.org/10.1080/01694243.2021.1911205
48	Design of IoT Based Object Tracking System for Identifying the RSS Value Access Point to Trilaterate the Location	Mr K Balachandar	Mechanical	Springer-Advances in Design and Thermal Systems	10.3.2021	2195-4356	10.1007/978-981-33-6428-8_1
49	Design on IoT Based Real Time Transformer Performance Monitoring System for Enhancing the Safety Measures	Mr K Balachandar	Mechanical	IOP Conference Series: Materials Science and Engineering	12.1.2020	1757-899X	doi:10.1088/1757-899X/988/1/012077
50	Friction stir welding tool condition monitoring using vibration signals and Random forest algorithm–A Machine learning approach,	Mr K Balachandar	Mechanical	IOP Conference Series: Materials Science and Engineering	12.1.2020	1757-899X	doi:10.1088/1757-899X/988/1/012076
51	A credal decision tree classifier approach for surface condition monitoring of friction stir weldment through vibration patterns	Mr K Balachandar	Mechanical	Materials Today Proceedings	27.02.2021	2214-7853	https://doi.org/10.1016/j.matpr.2021.02.061
52	Analysis of rejection in manufacture of bosch dimension nozzle for indirect injector and its remedy	Mr.T.Thirumalai	Mechanical	Materials Today Proceedings	26.02.2021	2214-7853	https://doi.org/10.1016/j.matpr.2021.02.054
53	Nano-formulation of herbo-mineral alternative medicine from linga chenduram and evaluation of antiviral efficacy	Ranjitsingh AJA	Biotechnology	(Saudi Journal of Biological Sciences	Mar-21	1319-562X	10.1016/J.SJBS.2020.12.005
54	<i>Antimicrobial and anticancer properties of Carica papaya leaves derived di-methyl flubendazole mediated silver nanoparticles</i>	Ranjitsingh AJA	Biotechnology	Journal of Infection and Public Health	Mar-21	1876-0341	https://doi.org/10.1016/j.jiph.2021.02.004
55	Probiotic lactobacilli: Can be a remediating supplement for pandemic COVID-19. A review	Ranjitsingh AJA	Biotechnology	Journal of King Saud University - Science	Mar-21	1018-3647	https://doi.org/10.1016/j.jksus.2020.101286
56	Synthesis of silver nanoparticles using gum Arabic: Evaluation of its inhibitory action on Streptococcus mutans causing dental caries and endocarditis	Ranjitsingh AJA	Biotechnology	(Journal of Infection and Public Health	Mar-21	1876-0341	https://doi.org/10.1016/j.jiph.2020.12.016
57	Frankincense, an aromatic medicinal exudate of Boswellia carterii used to mediate silver nanoparticle synthesis: Evaluation of bacterial molecular inhibition and its pathway	Ranjitsingh AJA	Biotechnology	(Journal of Drug Delivery Science and Technology	Feb-21	1773-2247	https://doi.org/10.1016/j.jddst.2021.102337

58	Nano-formulation of herbo-mineral alternative medicine from linga chenduram and evaluation of antiviral efficacy	Ranjitsingh AJA	Biotechnology	(Saudi Journal of Biological Sciences	Mar-21	1319-562X	https://doi.org/10.1016/j.sjbs.2020.12.005
59	Influence of Environmental Stress and Male Infertility- A Clinical Evaluation	Ranjitsingh AJA	Biotechnology	Electronic Journal of Biology	Nov-21	1860-3122	https://ejbio.imedpub.com/influence-of-environmental-stress-and-male-infertility-a-clinical-evaluation
60	Cloning green fluorescent protein gene in pQE-80L vector and characterisation of transformed protein in E.Coli	Dhasarathan P	Biotechnology	Research Journal of Biotechnology	Mar-21	0973-6263	https://worldresearchersassociations.com/biotechcurrissue/2.pdf
61	Immunomodulatory Efficiency of Abelmoschus esculentus in Swiss Albino Mice	Dr. P. Dhasarathan / Thenmozhi M	Biotechnology	Indian Journal of Animal Research	Apr-21	0367-6722 Online ISSN: 0976-0555	https://www.arccjournals.com/journal/indian-journal-of-animal-research/B-3966
62	Development and Validation of Silver Nanoparticles Enriched Polyherbal Anticandidal Ointment	Dr. M. Thenmozhi	Biotechnology	GIS SCIENCE JOURNAL	Sep-20	1869-9391	https://drive.google.com/file/d/1FN3hOs4BPMuM3Oe_2B1wW8RCUv0pVaP-/view?usp=sharing
63	Identification Of A Suitable Inhibitor For Snake (N. Naja) Venom Pla2 By Molecular Docking	Dr. M. Thenmozhi	Biotechnology	GIS SCIENCE JOURNAL	Sep-20	1869-9391	https://drive.google.com/file/d/1An-5IktNy4Jq5ceJQvaUGEiGEPtVglTK/view?usp=sharing

64	Anti-phytopathogenic Effect Of Solanum Xanthocarpum Extracts Against Curvularia Lunata And Pseudomonas Syringae Pv Tomato	Dr.A.Praveena	Biotechn ology	GIS SCIENCE JOURNAL	Oct-20	1869-9391	https://drive.google.com/file/d/10_N2zcTk9S7WpmalPqvClNCzEqon77g/view?usp=sharing
65	Comparative Study On Cuticular Wax Extraction From Medicinal Plants And Its Coating For Increasing Shelf Life Of Fruits	CHOLAPANDIAN .K	Biotechn ology	GIS SCIENCE JOURNAL	Sep-20	1869-9391	https://drive.google.com/file/d/1dNAF4biK1OuLsfj3T3j5u94Coo3SONBQ/view?usp=sharing
66	EXPERIMENTAL STUDY ON IMPACT RESISTANCE OF STEEL FIBRE REINFORCED CONCRETE	S.VALLABHY	CIVIL	IJIRSET	June 2021	E-ISSN: 2319-8753, P-ISSN: 2320-6710	HTTP://WWW.IJIRSET.COM/UPLOAD/2021/JUNE/48_EXPERIMENTAL_NC1.PDF
67	EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF CEMENT BY PALM OIL FUEL ASH IN CONCRETE	S.VALLABHY	CIVIL	IJIRSET	June 2021	E-ISSN: 2319-8753, P-ISSN: 2320-6710	HTTP://WWW.IJIRSET.COM/UPLOAD/2021/JUNE/51_EXPERIMENTAL_NC1.PDF
68	EXPERIMENTAL INVESTIGATION ON COCONUT SHELL AND COIR FIBRE AS A PARTIAL REPLACEMENT OF COARSE AGGREGATE AND FINE AGGREGATE IN	S.KARUPPASAMY	CIVIL	IJIRSET	June 2021	E-ISSN: 2319-8753, P-ISSN: 2320-6710	HTTP://WWW.IJIRSET.COM/UPLOAD/2021/JUNE/70_EXPERIMENTAL_NC.PDF
69	EXPERIMENTAL STUDY ON STRENGTHENING OF CONCRETE USING CRIMPED & HOOKED STEEL FIBER	S.VALLABHY	CIVIL	IJIRSET	June 2021	E-ISSN: 2319-8753, P-ISSN: 2320-6710	HTTP://WWW.IJIRSET.COM/UPLOAD/2021/JUNE/62_STRENGTHENING%20_NC.PDF
70	EXPERIMENTAL OF SHORT GFRP-REINFORCED STEEL TUBULAR COMPRESSION MEMBER	P.SARALA	CIVIL	IJIRSET	June 2021	E-ISSN: 2319-8753, P-ISSN: 2320-6710	HTTP://WWW.IJIRSET.COM/UPLOAD/2021/JUNE/185_EXPERIMENTAL_NC.PDF
71	STUDY ON STRENGTH PROPERTIES OF E-GLASS FIBRE REINFORCED GEOPOLYMER CONCRETE USING FLY ASH AND GGBS	P.SARALA	CIVIL	IJIRSET	June 2021	E-ISSN: 2319-8753, P-ISSN: 2320-6710	HTTP://WWW.IJIRSET.COM/UPLOAD/2021/JUNE/190_STUDY_NC1.PDF
72	BEHAVIOUR OF HYBRID FIBER REINFORCED CONCRETE BEAM STRENGTHENED EXTERNALLY BY GFRP LAMINATE	S.KARUPPASAMY	CIVIL	IJIRSET	June 2021	E-ISSN: 2319-8753, P-ISSN: 2320-6710	HTTP://WWW.IJIRSET.COM/UPLOAD/2021/JUNE/31_BEHAVIOUR_NC.PDF
73	EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF COARSE AGGREGATE WITH CERAMIC TILES	S.KARUPPASAMY	CIVIL	IJSART	June 2021	VOLUME : 7, ISSUE : 6	HTTP://IJSART.COM/HOME/ISSUE_DETAIL/48826
74	EXPERIMENTAL STUDY OF FLEXIBLE PAVEMENT USING POLYETHYLENE TEREPHTHALATE PLASTIC	MR.S.KARUPPASAMY	CIVIL	IJSART	June 2021	ISSN [ONLINE]: 2395-1052	HTTP://IJSART.COM/HOME/ISSUE_DETAIL/50380
75	EXPERIMENTAL STUDY CONCRETE WITH EFFECTIVE MICROORGANISM AND FLYASH	MRS.S.VALLABHY	CIVIL	IJSART	June 2021	ISSN [ONLINE]: 2395-1052	HTTP://IJSART.COM/HOME/ISSUE_DETAIL/46608