



Anil Neerukonda Institute of Technology & Sciences (Autonomous)

(Permanent Affiliation by Andhra University & Approved by AICTE)

Accredited by NBA (ECE, EEE, CSE, IT, Mech. Civil & Chemical) & NAAC)

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List of publications during the A.Y 2020-21

S. No.	Title of paper	Name of the author/s	Department	Name of journal	Year of publication	ISSN number	listed in
1	A feasibility study on the production of methyl ester from second and third generation feed stocks	R. Srikanth	Chemical Engg.	Materials Today: Proceedings	2021	2214-7853	Scopus
2	Practical Identity Based Online/Off-Line Signcryption Scheme for Secure Communication in Internet of Things	Dr. Sivaranjani Reddi	CSE	IEEE ACCESS	2021	2169-3536	SCIE
3	Lightweight secure communication system based on Message Queuing Transport Telemetry protocol for e-healthcare environments	Dr. Sivaranjani Reddi	CSE	International Journal of communication systems	2021	1099-1131	SCIE
4	Human Gender Classification Using Face Recognition	Dr. Sivaranjani Reddi	CSE	Mukt Shabh Journal	2021	2347-3150	UGC
5	Provable Secure Dynamic Light Weight group communication in VANET's	Dr. Sivaranjani Reddi	CSE	Transactions On Emerging Telecommunications Technologies	2021	2161-3915	Scopus
6	Comparitive Analysis of Lung Disease Detection Using Deep Learning Models	G.V. Gayathri	CSE	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
7	Comparitive Analysis of Lung Disease Detection Using Deep Learning Models	B.Siva Jyothi	CSE	Journal of Emerging Technologies	2021	2349-5162	UGC

				and Innovative Research			
8	A Novel Approach to Predict Movie Rating Using Data Mining	T. Anitha	CSE	International Journal of Management, Technology & Engineering	2021	2249-7455	UGC
9	Codec of OTP with CAPTCHA	T. Anitha	CSE	International Journal of Management, Technology & Engineering	2021	2249-7455	UGC
10	Explainable Artificial Intelligence to Predict Cardiovascular Diseases	Dr. K. S. Deepthi	CSE	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
11	Music Recommendation System With Plagiarism Detection	P Krishnanjaneyulu	CSE	International Journal of Management, Technology and Engineering	2021	2249-7455	UGC
12	Credit Card Fraud Detection using Autoencoders	P Krishnanjaneyulu	CSE	Mukt Shabh Journal	2021	2347-3150	UGC
13	Online Book Recommender System Using Collaborative Filtering Algorithm	S JOSHUA JOHNSON	CSE	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
14	Handwritten Digit Recognition using Machine Learning in Python	S.V.S.S. LAKSHMI	CSE	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
15	Sentiment and Emotional analysis for Texts, Emoticons & GIFs using Machine Learning Algorithms	S.V.S.S. LAKSHMI	CSE	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC

16	Using Deep Learning Model and Artificial Intelligence (Ai) For Fake Profile Identification in OSN Network	B. Siva Jyothi	CSE	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
17	Using Deep Learning Model and Artificial Intelligence (Ai) For Fake Profile Identification in OSN Network	G.V.Gayathri	CSE	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
18	Bird Species Identification Using Modified Deep Learning (CNN) Model by Integrating Cascaded Softmax Layer	K. Amaravathi	CSE	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
19	Bird Species Identification Using Modified Deep Learning (CNN) Model by Integrating Cascaded Softmax Layer	N.Lokeshwari	CSE	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
20	Automatic Facial Expression Recognition using CNN and RNN Algorithm's	K. Amaravathi	CSE	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
21	Automatic Facial Expression Recognition using CNN and RNN Algorithm's	N.Lokeshwari	CSE	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
22	Traffic analyser app using IOT	S. Bosubabu	CSE	International Journal of Management Technology and Engineering	2021	2249-7455	UGC
23	Printed Text to Speech Conversion by Improving OCR Accuracy using Spell Correction	G Santoshi	CSE	Mukt Shabh Journal	2021	2347-3150	UGC

24	Chat BotFor Movies Using Natural Language Processing	G Santoshi	CSE	Mukt Shabh Journal	2021	2347-3150	UGC
25	Automated Attendance System	S.A. Bhavani	CSE	Mukt Shabh Journal	2021	2347-3150	UGC
26	Baby Cry Classification Using Machine Learning Algorithms	G. Pranitha	CSE	International Journal of Management, Technology and Engineering	2021	2249-7455	UGC
27	Heart Disease Prediction Using Machine Learning Algorithms	G. Pranitha	CSE	International Journal of Management, Technology and Engineering	2021	2249-7455	UGC
28	Classification of groundwater using Simplified fuzzy adaptive resonance theory	R. N D S S Kiran	CSE	International Journal of Design & Nature and Ecodynamics	2021	1755-7437	Scopus
29	Classroom Attendance Using Face Detection	DR. K. Suresh	CSE	International Journal of Management, Technology and Engineering	2021	2249-7455	UGC
30	Automatic Abstract Text Summarizer	Dr. K. Suresh	CSE	Journal of emerging technologies and Innovative research	2021	2349-5162	UGC
31	Information of College through Virtual Assistant	Dr. M. Ramakrishna Murthy	CSE	International Journal of Management, Technology and Engineering	2021	2249-7455	UGC
32	PREDICTIVE ANALYSIS OF COVID-19 AND ITS PREVALENCE	Dr. M. Ramakrishna Murthy	CSE	Journal Of Emerging Technologies and Innovative Research	2021	2349-5162	UGC

33	A Survey on Server Load Forecasting	S. Ratan Kumar	CSE	Mukt Shabh Journal	2021	2347-3150	UGC
34	Application of Seq2Seq model in building a Chatbot	G.V. Gayathri	CSE	Mukt Shabd Journal	2021	2347-3150	UGC
35	Cloud Based Chatbot for College Students Using DialogFlow Integrated to Website and Android Application	B. Mahesh	CSE	International Journal of Management Technology and Engineering	2021	2249-7455	UGC
36	Face mask detection system using deep learning	Siva Jyothi	CSE	Mukt Shabd Journal	2021	2347-3150	UGC
37	Real time object measurement using canny edge detection	K. Chandrasekhar	CSE	International Journal of Management, Technology and Engineering	2021	2249-7455	UGC
38	Automated Personality classification using Big five personality traits	V Mamatha	CSE	Mukt Shabd Journal	2021	2347-3150	UGC
39	Stock Price Prediction Using LSTM	N D S S Kiran Relangi	CSE	Mukt Shabd Journal	2021	2347-3150	UGC
40	Character Recognition in Natural Images using Neural Networks	K. Chandrashekhar	CSE	Mukt Shabd Journal	2021	2347-3150	UGC
41	Prediction of COVID-19 Outbreak and infected patient's recovery using data mining techniques	N. Lokeswari	CSE	Mukt Shabd Journal	2021	2347-3150	UGC
42	Behaviour analysis of customer using random forest algorithm	B Siva Jyothi	CSE	Mukt Shabd Journal	2021	2347-3150	UGC
43	Maximum 3D Tsallis entropy based multilevel thresholding of brain MR image using attacking Manta Ray foraging optimization	Mr.B.Jena	ECE	Engineering Applications of Artificial Intelligence	2021	0952-1976	Scopus
44	Non-Linear Frequency Modulated Radar Echo Signal Cancellation using Interrupted Sampling Repeater Jamming	Ms.Ch.Anoosha	ECE	International Journal of Performability Engineering	2021	0973-1318	Scopus

45	Investigation of Influence of SiN and SiO ₂ Passivation in Gate Field Plate Double Heterojunction Al _{0.3} Ga _{0.7} N/GaN/Al _{0.04} Ga _{0.96} N High Electron Mobility Transistors	Dr.P.Muruga Pandiyan	ECE	Silicon (2021)	2021	1876-9918	SCIE
46	Investigation of Influence of SiN and SiO ₂ Passivation in Gate Field Plate Double Heterojunction Al _{0.3} Ga _{0.7} N/GaN/Al _{0.04} Ga _{0.96} N High Electron Mobility Transistors	Mr.N.Ram Kumar	ECE	Silicon (2021)	2021	1876-9918	SCIE
47	Highly scaled graded channel GaN HEMT with peak drain current of 2.48 A/mm	Mr.N.Ram Kumar	ECE	AEU-International journal Electronics and Communications	2021	1434-8411	SCIE
48	A leader Harris hawks optimization for 2-D Masi entropy-based multilevel image thresholding	Mr.B.Jena	ECE	International journal Multimedia Tools and Applications	2021	1573-7721	Scopus
49	Nanosheet field-effect transistors-A next-generation device to keep Moore's law alive: An intensive study	Dr.P.Muruga Pandiyan	ECE	Microelectronics Journal	2021	0026-2692	SCIE
50	Pixel density based trimmed median filter for removal of noise from surface image	Dr.Bhaskara Rao Jana	ECE	Applied Nanoscience	2021	2190-5517	SCIE
51	Improved hierarchy of Floating Point Multiplication using 5:3 compressor	Dr.K.V.G.Srinivas	ECE	International Journal of Electronic Letters	2021	2168-1724	Scopus
52	Design of 4-bit ALU using sub-threshold adiabatic logic (SAL)	Dr.G.Manmadha Rao	ECE	Journal of the Indian Academy of Sciences, SADHANA	2021	0973-7677	SCIE
53	Implementation of Automated Attendance System using Deep Learning and CNN	Dr.A.Lakshmi Narayana	ECE	International Journal of Xidian University	2021	1001-2400	Scopus

54	APPLICATION OF FACT DEVICES FOR VOLTAGE STABILITY IN A POWER SYSTEM	Prof. J. Vijaya Kumar	EEE	International Journal of Research and Analytical Reviews	2021	2349-5138	UGC
55	Control and Simulation Analysis on Grid Side of a Doubly-Fed Induction Generator Wind Turbine using Different Controllers	Prof. J. Vijaya Kumar	EEE	International Journal for Modern Trends in Science & Technology	2021	2455-3778	UGC
56	Review on Multi-Port Converters	Dr. M Dhananjaya	EEE	IETE Technical Review -Taylor and Francis	2021	0974-5971	SCIE
57	Integrated multi-input DC-DC converter with reduced switches	Dr. M Dhananjaya	EEE	International Transactions on Electrical Energy Systems (wiley)	2021	2050-7038	SCIE
58	Providing consistent state to distributed storage system	Ram Prasad Reddy Sadi	IT	Computers (MDPI)	2021	2073-431X	Scopus
59	Chatbot for Moratorium Customers	A. Bhanusri	IT	International journal of Management Technology and Engineering	2021	2249-7455	UGC
60	Evaluation of handwritten arithmetic equations	PrasaduReddi	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
61	Inventory Management for Emart grocery shop	Mr.Chandrasekhar	IT	International Journal of All Research Education and Scientific Methods	2021	2455-6211	UGC
62	SIGN LANGUAGE RECOGNITION	Mrs.NavyaSri	IT	International Journal of Management,	2021	2249-7455	UGC

				Technology And Engineering			
63	SPEECH EMOTION RECOGNITION	Mrs.J.S.V Sai Hari Priyanka	IT	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
64	Road Detection from a picture using Computer Vision	Mrs.M.Swathi	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
65	SENTIMENT ANALYSIS ON SCRAPRED TWEETS	Dr.P.Padmaja	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
66	Handling Imbalanced Data with Machine Learning Algorithms	Dr.M.Rekha Sundari	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
67	Corona virus detection using chest X-rays	Dr.K.Sharada	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
68	Just-Learn Web Application in Software Engineering Domain	Dr.V.Suresh	IT	International Journal of All Research Education and Scientific Methods	2021	2455-6211	UGC
69	Number Plate Detection Using Python	Mr.Pandit Samuel	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC

70	PREDICT IF A CUSTOMER WOULD BE SIGNING A LOAN OR NOT	Mrs.J.S.V.Sai Hari priyanka	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
71	Covid-19 dynamic Dashboard	Mrs.Surekha	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
72	PLACEMENT APPLICATION USING SALESFORCE PLATFORM	Mr.PrasaduReddi	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
73	Speech Emotion Recognition using MLP Classifier	Mrs.Navya Sri	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
74	AIR QUALITY PREDICTION Using Machine and Deep learning Models	Mrs. Vijaya Lakshmi	IT	ICTACT JOURNAL ON DATA SCIENCE AND MACHINE LEARNING	2021	2229-6948	UGC
75	MICROBLOGGING ON TWITTER	Mr.Durga Praveen Kumar	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
76	IOT Smart Agriculture and automatic Irrigation System IOT PROJECT	Mrs.K.Swathi	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
77	Smart Attendance system through AI	Prof. P.Padmaja	IT	International Journal of Management, Technology And	2021	2249-7455	UGC

				Engineering			
78	STAR FINANCEA SMALL AND MEDIUM BANKING WEB APPLICATION	Mr. P.Sathish	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
79	Automatic Medicine Dispenser	Mrs.U.Gouthami	IT	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
80	Malaria Detection using Machine Learning	Mrs.V.V.Naga Mani	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
81	Mask Detection System	Mrs.A.Surekha	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
82	Cab Booking System	Mr. Aditya Sundar	IT	International Journal of Management, Technology And Engineering	2021	2249-7455	UGC
83	Dynamical aspects of anisotropic Bianchi type VI 0 cosmological model with dark energy fluid and massive scalar field	Mr. K. Deniel Raju	MATHEMATICS	Indian Journal of Physics	2021	0974-9845	Scopus
84	Kaluza-Klein FRW dark energy models in Saez-Ballester theory of gravitation	Mr. K. Deniel Raju	MATHEMATICS	New Astronomy	2021	1384-1076	Scopus
85	Optimization of performance parameters of a double pipe heat exchanger with cut twisted tapes using CFD and RSM	M.Rajesh Ghosh	Mechanical	Chemical engineering and processing - Process intensification	2021	0255-2701	SCIE

86	Optimization of processing parameters using taguchi technique for mechanical properties of different damping materials	Dr.M.Prasanth Kumar	Mechanical	International journal of management, technology and engineering	2021	2249-7455	UGC
87	Stress analysis of helical spring used in automobile suspension	Dr.M.Rajaroy	Mechanical	International journal of all research education and scientific methods	2021	2455-6211	UGC
88	Optimization of machining parameters on CNC lathe AISi316L material with coated carbide inserts using taguchi GRA methods	RDV. Prasad	Mechanical	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
89	Optimization of machining parameters on CNC lathe AISi316L material with coated carbide inserts using taguchi GRA methods	BV.Ravi teja	Mechanical	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
90	Surface roughness analysis while machining AISI 1040 stepped steel bar using taguchi design of experiments	BV Raviteja	Mechanical	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
91	Surface roughness analysis while machining AISI 1040 stepped steel bar using taguchi design of experiments	RDV.Prasad	Mechanical	Journal of Emerging Technologies and Innovative Research	2021	2349-5162	UGC
92	Developing python code for static and modal analysis of plane truss structure	R.Vara prasad	Mechanical	International journal for research in engineering application & management	2021	2454-9150	UGC
93	Analysis on emissions and performance of ceramic coated diesel engine fueled with novel blends using artificial intelligence	B.Nagaraju	Mechanical	Advances in materials science and	2021	1687-8434	Scopus

				engineering			
94	Multi-Objective Optimization of Thermo-Ecological Criteria-Based Performance Parameters of Reheat and Regenerative Braysson Cycle	R. Chandramouli	Mechanical	Journal of Energy Resources & Technology	2021	0195-0738	Scopus
95	Multi-Objective Optimization of Thermo-Ecological Criteria-Based Performance Parameters of Reheat and Regenerative Braysson Cycle	M. S. S. Srinivasa Rao	Mechanical	Journal of Energy Resources & Technology	2021	0195-0738	Scopus
96	Effect of heat treatment on mechanical properties of aluminium metal matrix composite (AA6061/MoS2)	M.Chandrasekhar	Mechanical	Advances in materials and processing technologies	2020	2374-068X	SCIE
97	Synthesis, structural, dielectric and magnetic properties of cobalt ferrite nanomaterial prepared by sol-gel autocombustion technique	Dr.Y.Bheem Shankar Rao	Physics	Physica B: Condensed Matter	2020	0921-4526	Scopus
98	A study on the residential building construction information, thermal sensation and the behavior of households in tamilnadu state-a questionnaire survey	Lenin VR	Mechanical	Energy sources, part-A:recovery, utilization, and environmental effects	2020	1556-7036	SCIE
99	A review on advanced hybrid metal matrix composites reinforced with nano particles	PSVNB Gupta	Mechanical	International Journal of Advanced Research in Engineering and Technology	2020	0976-6480	Scopus
100	A review on advanced hybrid metal matrix composites reinforced with nano particles	B.Naga raju	Mechanical	International Journal of Advanced Research in Engineering and Technology	2020	0976-6480	Scopus
101	Dispersion of Solute in Saturated Porous Medium through a Rotating Straight Pipe	Dr., M. V. Subba Rao	MATHEMA TICS	Aegaeum Journal	2020	0776-3808	Scopus

102	Dispersion of Solute in Saturated Porous Medium through a Rotating Straight Pipe	Mr. S. Anand Kumar	MATHEMATICS	Aegaeum Journal	2020	0776-3808	Scopus
103	Dispersion of Solute in Saturated Porous Medium through a Rotating Straight Pipe	Dr. G. Ananda Rao	MATHEMATICS	Aegaeum Journal	2020	0776-3808	Scopus
104	PPF dependent fixed points of contractive type mappings	Mr. M. Vinod Kumar	MATHEMATICS	Dynamics of Continuous, Discrete and Impulsive systems Series A: Mathematical Analysis	2020	1201-3390	Scopus
105	PPF dependent fixed points of generalized contractive type mappings using C-class functions with an application	Mr. M. Vinod Kumar	MATHEMATICS	Novi Sad Journal of Mathematics	2020	1450-5444	Scopus
106	Kantowski-Sachs universe with dark energy fluid and massive scalar field	Mr. K. Deniel Raju	MATHEMATICS	Canadian Journal of Physics	2020	0008-4204	Scopus
107	Bianchi type-III dark energy cosmological model with massive scalar meson field	Mr. K. Deniel Raju	MATHEMATICS	Astro physics and Space sciences	2020	1572-946X	Scopus
108	Design of Sliding Mode Observer Based Controller of Single-Phase Induction Motor	Dr. Ch. V. N. Raja	EEE	International Journal for Modern Trends in Science and Technology	2020	2455-3778	UGC
109	Enhancement of Voltage Regulation using a Multi-Level Inverter Based Electric Spring with Reduced Number of switches	Prof. J. Vijaya Kumar	EEE	International Journal of Power Electronics and Drive Systems	2020	2088-8694	Scopus
110	Design and Analysis of Improved Single Input Dual-Output DC-DC Converter	Dr. M Dhananjaya	EEE	Electric Power Components and Systems-Taylor and Francis	2020	1532-5016	SCIE
111	Speed Control of DC Motor Using Intelligent Controllers	Prof G Raja Rao	EEE	International Journal for Modern Trends	2020	2455-3778	UGC

				in Science and Technology			
112	Design of Controller for Large Scale Uncertain Systems via Reduces Order Model	Dr. T Narasimhulu	EEE	International Journal for Modern Trends in Science and Technology	2020	2455-3778	UGC
113	An adaptive Harris hawks optimization technique for two dimensional grey gradient based multilevel image thresholding	Mr.B.Jena	ECE	Applied Soft computing Journal	2020	1568-4946	Scopus
114	A novel interdependence based multilevel thresholding technique using adaptive equilibrium optimizer	Mr.B.Jena	ECE	international Journal of Engineering applications of Artificial Intelligence	2020	0952-1976	Scopus
115	Internet of Things in Healthcare: Architecture, Applications, Challenges, and Solutions	Dr. Sivaranjani Reddi	CSE	International Journal of Computer Systems Science & Engineering	2020	0267-6192	SCIE
116	Blockchain privacy-preserving smart contract centric multiple multiparty key agreement over large WANETs	Dr. Sivaranjani Reddi	CSE	Transactions on Emerging Telecommunications Technologies	2020	2161-3915	SCIE
117	Secure Dynamic Interactive Blood Bank based on Cognitive Computing	Dr. Sivaranjani Reddi	CSE	International Journal of Industrial Engineering & Production Research Iran University of Science & Technology	2020	2008-4889	Scopus
118	Quantum Diffie–Hellman Extended to Dynamic Quantum Group Key agreement for e-Healthcare Multi-Agent Systems in Smart	Dr. Sivaranjani Reddi	CSE	sensors(mdpi)	2020	1424-8220	Scopus

	cities						
119	Multiparty Quantum Key Agreement with Strong Fairness Property	Dr. Sivaranjani Reddi	CSE	International Journal of Computer Systems Science & Engineering	2020	0267-6192	Scopus
120	Blockchain -based Patient Centric Health Care Communication System	Dr. Sivaranjani Reddi	CSE	Transactions On Emerging Telecommunications Technologies	2020	2161-3915	Scopus
121	A comprehensive Survey of best practices of moving sensitive data using cryptographic aspects for securing communication in wireless IoT and Wired insecure networks	G. Jagadish	CSE	Journal of Critical Reviews	2020	2394-5125	Scopus
122	Exploring Deep Learning Methods	G. Pranitha	CSE	PAIDEUMA JOURNAL	2020	0090-5674	Scopus
123	Predicting the Outcome of a T20 Cricket Game Based on the Players' Abilities to Perform Under Pressure	Mamatha Vayelapelli	CSE	IEIE Transactions on Smart Processing and Computing	2020	2287-5255	Scopus
124	A Review on Coronavirus Disease a New Threat to Public Health and Strategies for Rational Use of Personal Protective Equipment (PPE)	R. Srikanth	Chemical Engg.	International Journal of Research and Technology	2020	2321-7529	UGC
125	Process Optimization for Methyl ester production from Used Cooking Oil using Response Surface Methodology	R. Srikanth	Chemical Engg.	International Journal of New Innovations in Engineering and Technology	2020	2319-6319	UGC
126	Non-Destructive compressive behavior of sustainable fiber reinforced concrete columns exposed to temperature upto 700°C	M.K.S.S.K Chaitanya	civil	Journal of Green Engineering	2020	2245-4586	UGC