

MLR Institute of Technology, Hyderabad

Research Publications (1st January 2019 to till date)

S No.	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
1	Gogula S.V., Shekar K., Purushotham P., Bhavani Y.T.S.	Android based image processor for blind	2019	International Journal of Innovative Technology and Exploring Engineering	9	1	1229	1232
2	Pushpa Rani K., Reddy M., Anjaneyulu B., Hari Chandana B.	A formal assessment paper on EDUSET-MBA universities custom search	2019	International Journal of Innovative Technology and Exploring Engineering	9	1	1226	1228
3	Reddy G.P., Ramesh O., Kumar M.M., Sunayana P.N.	Sentiment analysis on tweets	2019	International Journal of Innovative Technology and Exploring Engineering	9	1	1999	2004
4	Siridhara A.L., Mahendra V., Yakaiah P., Vijetha T., Nayak S.	A robust fish feeding system	2019	International Journal of Innovative Technology and Exploring Engineering	9	1	1204	1206
5	Jyothi K., Karthik R., Anusha B., Annapurna B., Kiran A., Soumya K., Harini N.	Design and implementation of RFID based attendance system	2019	International Journal of Innovative Technology and Exploring Engineering	9	1	853	855
6	Abhilash K.S., Nisam Rahman A., Shijin Kumar P.S.	Design and evaluation of solar powered dryer system with integrated thermal energy storage	2019	International Journal of Innovative Technology and Exploring Engineering	9	1	2533	2539
7	Krishna Chaitanya A.V.R., Pappula B.	Impact of Waste Plastic Oil and Its Blends on Performance Combustion and Emission Characteristics of CRDI Engine	2019	SAE Technical Papers		October		

8	Ellappan S., Rajendran S.	Effects of Dual Biodiesel on a LHR-DI Diesel Engine Performance, Emission and Combustion Characteristics	2019	SAE Technical Papers		October		
9	Venkata Siva Rao A., Samuel J., Priya D., Kavya Sree B.	Inform Me-family location tracker app	2019	International Journal of Innovative Technology and Exploring Engineering	8	12	4588	4590
10	Shareef S.K., Anand Kumar B., Suwarna G., Swathi M.	Coal miners safety monitoring system	2019	International Journal of Innovative Technology and Exploring Engineering	8	12	3202	3204
11	Amarendra Reddy P., Sowmya G., Spandana S., Sri Durga V.	Object detection in fog environment	2019	International Journal of Innovative Technology and Exploring Engineering	8	12	4591	4594
12	Archana K., Sudhakar Reddy K.	Numerical simulation and comparison of 3-d triangular & rectangular finned Tube Bank	2019	International Journal of Mechanical and Production Engineering Research and Development	9	6	73	86
13	Chandra Sekhar Reddy N., Vemuri P.C.R., Govardhan A.	An emperical study on support vector machines for intrusion detection	2019	International Journal of Emerging Trends in Engineering Research	7	10	383	387
14	Sravanthi G.L., Majeti V.D., Nanduri A.K., Haritha I.V.	Determining the 3D positions of each UAV based on a distributed implementation of Q-learning	2019	International Journal of Engineering and Advanced Technology	9	1	1409	1415
15	Srikanth B., Sri Hari M., Praveen Kumar D., Shravan Kumar G.	Design and implementation of low-power, high-performance 2-4-and 4-16-line decoders using adiabatic logic circuits	2019	International Journal of Engineering and Advanced Technology	9	1	2894	2901

16	Bhanuprakash L., Parashuram S., Varghese S.	Corrigendum to 'experimental investigation on graphene oxides coated carbon fibre/epoxy hybrid composites: Mechanical and electrical Properties'[Compos. Sci. Technol. 179 (2019) 134–144](S0266353818324618)(10.1016/j.compscitech.2019.04.034)	2019	Composites Science and Technology	182			
17	Pragna D.V.B., Laxma Reddy D., Prasad S.V.S.	IoT driven automated object detection algorithm for urban surveillance system in smart city	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3	1687	1691
18	Rahul S.R., Arun V., Prasad S.V.S.	Design and implementation of GPS based medical services using drone	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3	1683	1686
19	Sunitha R., Arulananth T.S.	Harmful gases wireless network monitoring system design	2019	International Journal of Recent Technology and Engineering	8	2 Special Issue 11	2846	2849
20	Sandeep A., Ellappan S.	(Cr/TiAlCrN/TiAlN/AlSiN/AlSiO) multi layer solar selective coatings for concentrated solar power plant	2019	International Journal of Innovative Technology and Exploring Engineering	8	11 Special Issue	1008	1016
21	Arulananth T.S., Ramya Laxmi G., Renuka K., Karthik K.	Smart sensors and arm based drainage monitoring system	2019	International Journal of Innovative Technology and Exploring Engineering	8	11 Special Issue	997	999
22	Jansirani V., Ramesh P., Prasad S.V.S.	An IoT based dual axis solar vehicle with obstacle avoidance and accident detection using GSM and GPS	2019	International Journal of Recent Technology and Engineering	8	3	4118	4122
23	Madhuravani P., Yamini K., Nirmala T.	Large scale community discovery of complex networks based on approximate optimization	2019	International Journal of Emerging Trends in Engineering Research	7	9	306	310

24	Lakshmi B., Navyasri B.	Energy efficient routing mechanism for harsh environment in wireless sensor networks	2019	International Journal of Emerging Trends in Engineering Research	7	9	234	238
25	Pradeep G., Chandra Shaker P., Prasad S.V.S.	Building management system	2019	International Journal of Innovative Technology and Exploring Engineering	8	11	1999	2003
26	Snigdha S., Haribabu K.	IoT based security system using raspberry PI and mail server	2019	International Journal of Innovative Technology and Exploring Engineering	8	11	1702	1704
27	Arulananth T.S., Goud P., Baskar M.	Institutions-industry – Society collaborative learning bring success in engineering education in India	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3	1680	1682
28	Ellappan S., Kishore P., Suresh P.	A research on dual fuel operation on LHR diesel engine	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3	1692	1699
29	Jagan Naik G., Rao V.P.C., Govardhan A.	The data warehouse design problem through a schema transformation method	2019	International Journal of Recent Technology and Engineering	8	2 Special Issue 11	3694	3699
30	Arun V., Biradar R.C., Mahendra V.	Research of high speed and energy efficient visual cryptography techniques	2019	International Journal of Innovative Technology and Exploring Engineering	8	11 Special Issue	1000	1007
31	Anusha B., Annapurna B., Arulananth T.S., Nagarjuna T.	CSHM multiplier and radix-256 algorithm using fir filter design	2019	International Journal of Innovative Technology and Exploring Engineering	8	11 Special Issue	822	825
32	Gugulothu S.K., Nutakki P.K.	Dynamic fluid flow characteristics in the hydrogen-fuelled scramjet combustor with transverse fuel injection	2019	Case Studies in Thermal Engineering	14			

33	Srivastava V.K.L., Chandra Sekhar Reddy N., Shrivastava A.	An efficient software source code metrics for implementing for software quality analysis	2019	International Journal of Emerging Trends in Engineering Research	7	9	216	222
34	Godwin Raja Ebenezer N., Ramabalan S., Navaneethasanthaku mar S.	Practical optimal design on two stage spur gears train using nature inspired algorithms	2019	International Journal of Engineering and Advanced Technology	8	6	4073	4081
35	Uganya G., Sudhan M.B., Shijin Kumar P.S.	License plate recognition with feature salience and neural network	2019	International Journal of Innovative Technology and Exploring Engineering	8	10	2985	2990
36	Bhanuprakash L., Parasuram S., Varghese S.	Experimental investigation on graphene oxides coated carbon fibre/epoxy hybrid composites: Mechanical and electrical properties	2019	Composites Science and Technology	179		134	144
37	Vucha M., Siridhara A.L.	High speed cryptography architecture for health information exchange	2019	International Journal of Advanced Trends in Computer Science and Engineering	8	4	1443	1448
38	Reddy R.M., Rao K.N., Prasad S.V.S.	Traffic congestion monitoring and management by using IOT	2019	International Journal of Innovative Technology and Exploring Engineering	8	9 Special Issue 2	688	689
39	Mounika B., Sridhar B., Prasad S.V.S.	PCI matrix based image reconstruction from compressively sensed data	2019	International Journal of Innovative Technology and Exploring Engineering	8	9 Special Issue 2	690	694
40	Shilpa S., Umashankar C., Prasad S.V.S.	Design of watchdog timer for real time applications	2019	International Journal of Innovative Technology and Exploring Engineering	8	9 Special Issue 2	695	697
41	Venkat G., Arulananth T.S., Baskar M.	Density based traffic controller with emergency override using CCTV camera	2019	International Journal of Recent Technology and Engineering	8	2 Special issue 3	866	869

42	Begum S.N., Kiran C.R., Vasundara K.	Design analysis and fabrication of solar vapour absorption	2019	International Journal of Innovative Technology and Exploring Engineering	8	9 Special Issue 3	371	376
43	Koppula N., Padmaja Rani B., Srinivas Rao K.	Query expansion using semantic network for information retrieval in Telugu Language	2019	International Journal of Recent Technology and Engineering	8	2	874	877
44	Swapna N., Subhashini P., Padmaja Rani B.	Impact of stemming on telugu text classification	2019	International Journal of Recent Technology and Engineering	8	2	2767	2769
45	Limbadri K., Singh S.K., Satyanarayana K., Singh A.K., Maruthi Ram A., Ravindran M., Krishna M., Chaitanya Reddy M., Suresh K.	Effect of Processing Routes on Orientation-Dependent Tensile Flow Behavior of Zircaloy-4 at Elevated Temperatures	2019	Metallography, Microstructure, and Analysis	8	3	393	405
46	Jyothi K., Karthik R.	Cloud connectivity for embedded systems	2019	International Journal of Advanced Trends in Computer Science and Engineering	8	3	731	733
47	Karthik R., Jyothi K.	Novel design of full adders using QCA approach	2019	International Journal of Advanced Trends in Computer Science and Engineering	8	3	501	506
48	Rama B., Sai Prasad K., Sreeja P.	Secure k-NN query on encrypted cloud data with multiple keys	2019	International Journal of Advanced Trends in Computer Science and Engineering	8	3	874	878
49	Jahan S., Amareshwar E., Prasad S.V.S., Arulananth T.S.	Raspberry pi based water quality monitoring and flood alerting system using iot	2019	International Journal of Recent Technology and Engineering	7	6	640	643

50	Rajendran T., Baskar M., Gnanasekaran T., Imtiaz N.M.	Class based semantic feature similarity for efficient image mining using BC patterns	2019	International Journal of Innovative Technology and Exploring Engineering	8	6	355	358
51	Bridjesh P., Periyasamy P., Geetha N.K.	Combined effect of composite additive and combustion chamber modification to adapt waste plastic oil as fuel on a diesel engine	2019	Journal of the Taiwan Institute of Chemical Engineers	97		297	304
52	Roja G., Tulasi Chitra N., Pushpa Rani K., Dhanalaxmi B.	A credit card fake detection system using image cryptography	2019	International Journal of Recent Technology and Engineering	7	6	118	122
53	Amarendra Reddy P., Ramesh O.	Security mechanisms leveraged to overcome the effects of big data characteristics	2019	International Journal of Advanced Trends in Computer Science and Engineering	8	2	312	316
54	Naresh Kumar D., Prasad S., Ravishankar K.	Raspberrypi based surveillance and monitoring system	2019	International Journal of Recent Technology and Engineering	7	6	871	873
55	Thulasi Chitra N., Anusha R., Roja G., Dhana Lakshmi B.	Locating book in library using Wi-Fi	2019	International Journal of Recent Technology and Engineering	7	6	114	117
56	Bino Prince Raja D., Ramanan G., Diju Samuel G.	Computational analysis of blended winglet model performance by varying cant angle	2019	Journal of Computational and Theoretical Nanoscience	16	2	467	471
57	Diju Samuel G., Ramanan G., Bino Prince Raja D.	Prediction of responses in FSW processed hybrid composites using soft computing technique	2019	Journal of Computational and Theoretical Nanoscience	16	2	463	466
58	Geetha N.K., Bridjesh P.	Integrated AHP and WED Based Approach to Select Optimal Combination of Operating Parameters on Spark Ignition Engine	2019	SAE Technical Papers	2019-January	January		

59	Teja S., Subramanyam B.	Design and analysis of composite rocket motor casing	2019	International Journal of Mechanical and Production Engineering Research and Development	9	6	233	250
60	Arulananth T.S., Baskar M., Sateesh R.	Human face detection and recognition using contour generation and matching algorithm	2019	Indonesian Journal of Electrical Engineering and Computer Science	16	2	709	714
61	Sridhar B.	Cross-Layered Embedding of Watermark on Image for High Authentication	2019	Pattern Recognition and Image Analysis	29	1	194	199
62	Anuradha T., Monika S., Prasad S.V.S.	Embedded video processing on raspberry Pi	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	312	315
63	Nishanth Rao K., Srikanth C., Prasad S.V.S., Arulananth T.S.	Design of a solar tracking system for renewable energy on arm	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	253	255
64	Kalyani T., Monika S., Naresh B., Vucha M.	Accident detection and alert system	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	227	229
65	Monika S., Anuradha T., Prasad S.V.S.	Design and implementation of traffic density controller using wireless communications	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	205	207
66	Arulananth T.S., Sagar P., Anusha B.	Vlsi design of an area and time efficient design of overloaded cdma architecture using han carlson adder	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	241	246
67	Jahan S., Amareshwar E., Prasad S.V.S., Arulananth T.S.	Raspberry Pi based water quality monitoring and flood alerting system using IoT	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	237	240

68	Ravi K., Raju Naik M., Prasad S.V.S., Arulananth T.S.	Fire alarm robot and authentication system using raspberry Pi and cloud	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	256	259
69	Haribabu K., Umashankar C., Prasad S.V.S.	An IoT detection of milk parameters using raspberry PI and GSM for diary farmers	2019	International Journal of Innovative Technology and Exploring Engineering	8	4	22	24
70	Vucha M., Jyothi K., Kumari K., Karthik R.	Cost effective autonomous plant watering robot	2019	International Journal of Recent Technology and Engineering	7	5	67	69
71	Jyothi K., Karthik R.	Design and implementation of vehicle over speed warning system	2019	International Journal of Recent Technology and Engineering	7	5	266	268
72	Vijetha T., Karthik R.	Design and analysis of frequency reconfigurable antenna for software defined radio	2019	ARPN Journal of Engineering and Applied Sciences	14	1	106	108
73	Pradeep Kumar J., Gouse S., Amarendra Reddy P.	Migration of big data analysis from Hadoop's mapreduce to spark	2019	Advances in Intelligent Systems and Computing	815		473	484
74	Sowmya G., Navya K., Divya Jyothi G.	Machine learning and mining for social media analytics	2019	Advances in Intelligent Systems and Computing	815		397	405
75	Nirosha K., Durga Sri B., Gouse S.	Smart heartbeat monitoring system using machine learning	2019	Advances in Intelligent Systems and Computing	815		363	372
76	Pushpa Rani K., Lakshmi L., Teegala N., Dhanalaxmi B.	An application for the development of smart library as an academic initiative	2019	International Journal of Advanced Trends in Computer Science and Engineering	8	1.3 S1	55	58
77	Lakshmi L., Pushpa Rani K., Purushotham Reddy M.	A comparative study of navigation techniques and information retrieval algorithms for web mining	2019	International Journal of Advanced Trends in Computer Science and Engineering	8	1.3 S1	10	14

78	Koppula N., Rani B.P., Srinivas Rao K.	Graph-based word sense disambiguation in Telugu language	2019	International Journal of Knowledge-Based and Intelligent Engineering Systems	23	1	55	60
79	Lakshmi L., Bhaskara Reddy P., Shoba Bindu C., Aravind Kumar N.	Dynamic navigation of web query results using B-tree and improved page rank algorithm	2019	International Journal of Computing Science and Mathematics	10	2	193	202
80	ChinnaRao B., Madhavalatha M.	EDGE oriented image denoising through an adaptive thresholding in the complex wavelet domain	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	331	339
81	Annapurna B., Anusha B., Prasad S.V.S., Somanaidu B.	Automated seed sowing machine using atmega2560	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	300	302
82	Subrahmanyam V.S.R., Natraj P.B., Prasad S.V.S., Arulananth T.S., Nehru	Design of smart GSM and GPS based rescue system for international maritime boarder crossing of Indian fisherman using AVR microcontroller	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	264	267
83	Monika S., Aruna Manjusha K., Prasad S.V.S., Naresh B.	Design and implementation of smart floor cleaning robot using android app	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	250	252
84	Devika P., Prashanthi V., Vijay Kanth G., Thirupathi J.	RFID based theft detection and vehicle monitoring system using cloud	2019	International Journal of Innovative Technology and Exploring Engineering	8	4	737	739
85	Padhy N., Panigrahi R., Neeraja K.	Threshold estimation from software metrics by using evolutionary techniques and its proposed algorithms, models	2019	Evolutionary Intelligence				

86	Ravinder T., Vijetha T., Shaker P.C., Neelima C., Karthik R.	Design of 8T SRAM using FINFET technology	2019	International Journal of Recent Technology and Engineering	7	5	74	76
87	Panjagal S.B., Harinath V., Ramaiah G.N.K., Karthik R.	Design of farmer friendly intelligent system to monitor and control the parameters in precision agriculture	2019	International Journal of Recent Technology and Engineering	7	5	70	73
88	Sivaji U., Shrabana A., Varalaxmi V., Ashok M., Laxmi L.	Optimizing regression test suite reduction	2019	Advances in Intelligent Systems and Computing	815		187	192
89	Nalajala P., Supraja C.D., Deepthika N.R., Godavarthi B., Rani K.P.	Analysis and optimization of FIR filters using parallel processing and pipelining	2019	Advances in Intelligent Systems and Computing	815		667	678
90	China Appala Naidu R., Srujan A., Meghana K., Srinivas Rao K., Madhuravani B.	Secure privacy preserving of personal health records using attribute-based encryption in cloud computing	2019	Advances in Intelligent Systems and Computing	815		59	66
91	Hanuman Reddy N., Ravi Kumar E., Vinay Reddy M., Raghavender Reddy K.L., Susmitha Valli G.	Bioinformatics and image processing—Detection of plant diseases	2019	Advances in Intelligent Systems and Computing	815		149	154
92	Amgoth C., Singh A., Santhosh R., Yumnam S., Mangla P., Karthik R., Guping T., Banavoth M.	Solvent assisted size effect on AuNPs and significant inhibition on K562 cells	2019	RSC Advances	9	58	33931	33940

93	Srivastava V.K.L., Chandra Sekhar Reddy N., Shrivastava A.	An effective code metrics for evaluation of protected parameters in database applications	2019	International Journal of Advanced Trends in Computer Science and Engineering	89	13	81	86
94	Madhuravani B., Chandra Sekhar Reddy N., Sai Prasad K., Dhanalaxmi B., Uma Maheswari V.	Strong and secure mechanism for data storage in cloud environment	2019	International Journal of Advanced Trends in Computer Science and Engineering	8	1.3 S1	29	33
95	Babu J.M., Prasad K.S., Ganji P.R., Ravikiran C., Velu R.	Analysis on the effect of pilot injection strategies on combustion and emission characteristics of palm-munja biodiesel/diesel blend on CRDI diesel engine	2019	International Journal of Ambient Energy				
96	Pallavi Goud N., Arulananth T.S., Bharathi C.R., Neheru K.	Infra red sensor and voice recognition sensors based vehicle speed control using embedded controller	2019	International Journal of Innovative Technology and Exploring Engineering	8	4S2	303	305
97	Prashanthi V., Devika P., Srinivas K., Thirupathi J.	Identification of opportunities for coding in a network	2019	International Journal of Recent Technology and Engineering	7	5	140	144
98	Anvesh K., Srilatha M., Raghunadha Reddy T., Gopi Chand M., Jyothi G.D.	Improving student academic performance using an attribute selection algorithm	2019	Advances in Intelligent Systems and Computing	815		539	548
99	Oruganti M., Sabitha C., Ghosh B., Neeraja K., Hemanath K.	Difference expansion based near reversible data hiding scheme	2019	Advances in Intelligent Systems and Computing	815		613	619
100	Kumar C.P., Hemanath K., Murthy B.S.N.	A new method for edge detection under hazy environment in computer vision	2019	Advances in Intelligent Systems and Computing	815		621	635

101	Krishnaraj J., Pugazhendhi S., Rajendran C., Thiagarajan S.	Simulated annealing algorithms to minimise the completion time variance of jobs in permutation flowshops	2019	International Journal of Industrial and Systems Engineering	31	4	425	451
102	Nalajala P., Sambasiva Rao P., Sangeetha Y., Balaji O., Navya K.	Design of a smart mobile case framework based on the internet of things	2019	Advances in Intelligent Systems and Computing	815		657	666
103	Padmaja B., Prasad V.V.R., Sunitha K.V.N., Reddy N.C.S., Anil C.H.	Detectstress: A novel stress detection system based on smartphone and wireless physical activity tracker	2019	Advances in Intelligent Systems and Computing	815		67	80
104	Srinivas Rao K., Surampudi Bapi R., Prasad M.V.N.K.	Preface	2019	Advances in Intelligent Systems and Computing	815		ix	
105	Ramakuri S.K., Peddi A., Nishanth Rao K.S., Gupta B., Ghosh S.	Performance and analysis of human attention using single-channel wireless EEG sensor for medical application	2019	Advances in Intelligent Systems and Computing	815		355	362
106	Kuchipudi R., Qyser A.A.M., Balaram V.V.S.S.S., Khaja Shareef S., Thulasi Chitra N.	An enhanced efficiency of key management method for wireless sensor networks using mobile agents	2019	Advances in Intelligent Systems and Computing	815		313	322
107	Raghunadha Reddy T., Lakshminarayana M., Vishnu Vardhan B., Sai Prasad K., Amarnath Reddy E.	A new document representation approach for gender prediction using author profiles	2019	Advances in Intelligent Systems and Computing	815		39	47