



MOHAMED SATHAK AJ COLLEGE OF ENGINEERING

(Approved by All India Council for Technical Education,
New Delhi and affiliated to Anna University, Chennai)
Siruseri IT Park, Egattur, Chennai - 603 103

Criterion 3: - Research, Innovations and Extension

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years (10)

Sl. 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 /Digital Object Identifier (DOI) number	Is it listed in UGC Care list/Scopus/Web of Science/ other, mention
							Link to article/paper/abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/ other, mention
2018-2019								
1	Experimental Study on the Strength of Concrete using Quarry Dust and Marble Powder	Mr. V. Antony Francis	Civil	International Journal for Scientific Research & Development,	2018 - 2019	2321-0613	http://www.ijrsrd.com/articles/IJSRDV4I41132.pdf	Others
2	Replacement Of Cement By Using Nano Titanium Dioxide And Black Carbon Powder In High Strength Concrete	Ms. S. Maheswari	Civil	International Research Journal of Engineering and Technology (IRJET)	2018 - 2019	2395 - 0072	https://www.irjet.net/archives/V5/i9/IRJET-V5I9110.pdf	Others
3	Replacement Of Cement By Using Nano Titanium Dioxide And Black Carbon Powder In High Strength Concrete	V. Antony Francis	Civil	International Research Journal of Engineering and Technology (IRJET)	2018 - 2019	2395 - 0072	https://www.irjet.net/archives/V5/i9/IRJET-V5I9110.pdf	Others
4	Replacement Of Cement By Using Nano Titanium Dioxide And Black Carbon Powder In High Strength Concrete	R. Arvind Saravan	Civil	International Research Journal of Engineering and Technology (IRJET)	2018 - 2019	2395 - 0072	https://www.irjet.net/archives/V5/i9/IRJET-V5I9110.pdf	Others
5	Echocardiography image segmentation using feed forward artificial neural network (FFANN) with fuzzy multi-scale edge detection (FMED)	Sampath.R	CSE	International Journal of Signal and Imaging Systems Engineering	2018 - 2019	1748-0710	https://www.inder-science.com/offer.php?id=100651	Scopus/ WOS



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6	Cervical Cancer Identification with Synthetic Minority Oversampling Technique and PCA Analysis using Random Forest Classifier	S. Sivasubramanian	CSE	Journal of Medical Systems	2018 - 2019	43:286	https://link.springer.com/article/10.1007/s10916-019-1402-6	Scopus
7	Analysis of regional atrophy and prolong adaptive exclusive atlas to detect the alzheimers neuro disorder using medical images	Sampath.R	CSE	Multimedia Tools and Applications	2018 - 2019	1380-7501	https://link.springer.com/article/10.1007/s11042-019-7213-4	Scopus/WOS
8	Effective Energy Measurement and Billing System Using Arduino GSM Shield	Vairaperumal K	EEE	International Research Journal of Engineering and Technology (IRJET)	2018 - 2019	2395 - 0072	https://www.irjet.net/archives/V5/i1/IRJET-V5I11163.pdf	Others
9	Effective Energy Measurement and Billing System Using Arduino GSM Shield	Dinesh M	EEE	International Research Journal of Engineering and Technology (IRJET)	2018 - 2019	2395 - 0072	https://www.irjet.net/archives/V5/i1/IRJET-V5I11163.pdf	Others
10	Effective Energy Measurement and Billing System Using Arduino GSM Shield	Senthil Kumar P	EEE	International Research Journal of Engineering and Technology (IRJET)	2018 - 2019	2395 - 0072	https://www.irjet.net/archives/V5/i1/IRJET-V5I11163.pdf	Others
11	Effective Energy Measurement and Billing System Using Arduino GSM Shield	Mubeena S	EEE	International Research Journal of Engineering and Technology (IRJET)	2018 - 2019	2395 - 0072	https://www.irjet.net/archives/V5/i1/IRJET-V5I11163.pdf	Others
12	Design and Detection of Underground Cable Fault Using Raspberry Pi & IOT System	Senthil Kumar P	EEE	International Research Journal of Engineering and Technology (IRJET)	2018 - 2019	2456 - 6470	https://doi.org/10.31142/ijtsrd19037	Others
13	Design and Detection of Underground Cable Fault Using Raspberry Pi & IOT System	Mubeena S	EEE	International Research Journal of Engineering and Technology (IRJET)	2018 - 2019	2456 - 6470	https://doi.org/10.31142/ijtsrd19037	Scopus/WOS



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14	Design and Detection of Underground Cable Fault Using Raspberry Pi & IOT System	Dinesh M	EEE	International Research Journal of Engineering and Technology (IRJET)	2018 - 2019	2456 - 6470	https://doi.org/10.31142/ijtsrd19037	Scopus
15	An Efficient Optimal Key Based Chaos Function For Medical Image Security	E.Dhiravidachelvi	ECE	IEEE ACCESS	2018 - 2019	2169-3536	https://ieeexplore.ieee.org/document/8528441	Scopus
16	Object Recognition Using Perspective Glass For Blind/Visually Impaired	S.Naveen Kumar	ECE	Journal of Embedded Systems and Processing, Volume 4 ,Issue 1, Page 31-37	2018 - 2019		https://zenodo.org/record/2624630#.Yd1VyzNBzIU	Others
17	Speed Control of Road Vehicles Using Internet of Things (IOT)	K.Sabitha Banu	ECE	Journal of Emerging Technologies And Innovative Research, Volume 5, Issue 6,	2018 - 2019	2349-5162	https://www.jetir.org/papers/JETIRC006123.pdf	Others
18	Performance combustion and emission characteristics of novel biofuel peppermint oil in diesel engine	A Gurusamy	Mechanical Engineering	International Journal of Environmental Science and Technology	2018-2019	1735-1472	https://doi.org/10.1007/s13762-019-02270-1	Scopus
19	Investigation on influence of blending Jatropa biofuel with diesel to improve fuel quality	R Prabu	Mechanical Engineering	Australian Journal of Mechanical Engineering	2018-2019	1448-4846	https://doi.org/10.1080/14484846.2019.1567029	Scopus
20	Weld Formation Studies on Friction Stir Welding of Dissimilar Magnesium Alloys AZ31B and ZM21	Prasath. S	Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development	2018-2019	2249-6890		Others
21	Review on material aspects of solar Thermal collectors	Maridurai T	Mechanical Engineering	International Journal of Mechanical Engineering and Technology	2018-2019	0976-6340	https://iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_9_ISSUE_7/IJMET_09_07_033.pdf	Scopus



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22	Review on material aspects of solar Thermal collectors	Muhamma d Irfan A A	Mechanica l Engineerin g	International Journal of Mechanical Engineering and Technology	2018-2019	0976-6340	https://iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_9_ISSUE_7/IJMET_09_07_033.pdf	Scopus
23	Thermal Performance Enhancements Techniques of Box Solar Cooker	Maridurai T	Mechanica l Engineerin g	International Journal of Mechanical and Production Engineering Research and Developmen t	2018-2019	1214-1220	https://www.researchgate.net/publication/339427193_THERMAL_PERFORMANCE_ENHANCEMENTS_TECHNIQUES_OF_BOX_SOLAR_COOKER	Scopus
24	Thermal Performance Enhancements Techniques of Box Solar Cooker	Muhamma d irfan A A	Mechanica l Engineerin g	International Journal of Mechanical and Production Engineering Research and Developmen t	2018-2019	1214-1220	https://www.researchgate.net/publication/339427193_THERMAL_PERFORMANCE_ENHANCEMENTS_TECHNIQUES_OF_BOX_SOLAR_COOKER	Scopus
25	Optimization of machining parameters during machining of austenitic stainless steel 304 in abrasive water jet machine	R Prabu	Mechanica l Engineerin g	International Journal of Mechanical and Production Engineering Research and Developmen t	2018-2019	1214-1220	https://www.researchgate.net/publication/331904308_OPTIMIZATION_OF_MACHINING_PARAMETERS_DURING_MACHINING_OF_AUSTENITIC_STAINLESS_STEEL_304_IN_ABRASIVE_WATER_JET_MACHINE	Scopus
26	Optimization of machining parameters during machining of austenitic stainless steel 304 in abrasive water jet machine	T Maridurai	Mechanica l Engineerin g	International Journal of Mechanical and Production Engineering Research and Developmen t	2018-2019	1214-1220	https://www.researchgate.net/publication/331904308_OPTIMIZATION_OF_MACHINING_PARAMETERS_DURING_MACHINING_OF_AUSTENITIC_STAINLESS_STEEL_304_IN_ABRASIVE_WATER_JET_MACHINE	Scopus