

	<b>VIMAL JYOTHI</b> <b>ENGINEERING COLLEGE</b> <b>JYOTHI NAGAR, CHEMPERI - 670632, KANNUR, KERELA</b> <small>Affiliated to APJ Abdul Kalam Technological University, Approved by AICTE  ISO 9001: 2015 Certified   Accredited by Institution of Engineers (India), NBA, NAAC  Ph: 0490 2212240, 2213399 Email: office@vjec.ac.in Website: www.vjec.ac.in</small>	<b>NAAC Cycle 2</b>
		<b>Criterion: 3.3.1</b>

**3.3.1 Number of papers published per teacher in the Journals notified on UGC website during the last five years.**

S.No	Title of paper	Link to article/paper/abstract of the article
<b>2018-19</b>		
1	A Feasibility Study On C-RAN	<a href="http://doi.org/10.5281/zenodo.1492961">http://doi.org/10.5281/zenodo.1492961</a>
2	Micro-calcification Detection In Digital Mammogram	<a href="http://doi.org/10.5281/zenodo.1490326">http://doi.org/10.5281/zenodo.1490326</a>
3	An improved classification system for brain tumours using wavelet transform and neural network	<a href="https://www.mona.uwi.edu/fms/wimj/system/files/article_pdfs/wimj-iss3-2018_243_247.pdf">https://www.mona.uwi.edu/fms/wimj/system/files/article_pdfs/wimj-iss3-2018_243_247.pdf</a>
4	Epilepsy detection based on EEG signals	<a href="http://doi.org/10.5281/zenodo.1488874">http://doi.org/10.5281/zenodo.1488874</a>
5	A Critical analysis on the evolution in the E-payment system ,security risk threats and vulnerability	<a href="https://www.caeaccess.org/archives/volume7/number23/yomas-2018-cae-652800.pdf">https://www.caeaccess.org/archives/volume7/number23/yomas-2018-cae-652800.pdf</a>
6	Metamaterial patch antenna with PBG structure to reduce surface wave	<a href="https://iraj.in/journal/IJEEDC/paper_detail.php?paper_id=12596&amp;name=Metamaterial_Patch_Antenna_with_PBG_Structure_to_Reduce_Surface_Wave">https://iraj.in/journal/IJEEDC/paper_detail.php?paper_id=12596&amp;name=Metamaterial_Patch_Antenna_with_PBG_Structure_to_Reduce_Surface_Wave</a>
7	ELM Based Detection of Microcalcification in Mammogram using GLCM Features	<a href="https://link.springer.com/article/10.1007/s10916-019-1316-3">https://link.springer.com/article/10.1007/s10916-019-1316-3</a>
8	A Hybridized ELM for Automatic Micro Calcification Detection in Mammogram Images Based on Multi-Scale Features	<a href="https://link.springer.com/article/10.1007/s10916-019-1316-3#:~:text=ELM%20is%20a%20new%20approach,in%20the%20detection%20of%20ROIs.">https://link.springer.com/article/10.1007/s10916-019-1316-3#:~:text=ELM%20is%20a%20new%20approach,in%20the%20detection%20of%20ROIs.</a>
9	MICROGRIDS -A FUTURE SMART GRID DESIGN	<a href="https://matjournals.in/index.php/JOPEd/article/view/3029">https://matjournals.in/index.php/JOPEd/article/view/3029</a>
10	A novel design for PV integrated buck converter using MPPT and sub MPPT	<a href="https://scholar.google.co.in/scholar?q=A+novel+design+for+PV+integrated+buck+converter+using+MPPT+and+sub+MPPT&amp;hl=en&amp;as_sdt=0&amp;as_vis=1&amp;oi=scholar">https://scholar.google.co.in/scholar?q=A+novel+design+for+PV+integrated+buck+converter+using+MPPT+and+sub+MPPT&amp;hl=en&amp;as_sdt=0&amp;as_vis=1&amp;oi=scholar</a>



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NAAC Cycle 2

Criterion: 3.3.1

11	Brain tumor detection and segmentation using a wrapper based genetic algorithm for optimized feature set	<a href="https://link.springer.com/article/10.1007/s10586-018-1914-8">https://link.springer.com/article/10.1007/s10586-018-1914-8</a>
12	Emerging Techniques and Trends in DNA Cryptography	<a href="https://scholar.google.co.in/scholar?q=Emerging+Techniques+and+Trends+in+DNA+Cryptography&amp;hl=en&amp;as_sdt=0&amp;as_vis=1&amp;oi=scholart">https://scholar.google.co.in/scholar?q=Emerging+Techniques+and+Trends+in+DNA+Cryptography&amp;hl=en&amp;as_sdt=0&amp;as_vis=1&amp;oi=scholart</a>
13	Survey on Static and Dynamic Hand Gesture Recognition Techniques	<a href="https://www.ijsr.net/archive/v8i4/ART20196946.pdf">https://www.ijsr.net/archive/v8i4/ART20196946.pdf</a>
14	ELM Based Detection of Microcalcification in Mammogram using GLCM Features	<a href="https://link.springer.com/article/10.1007/s10916-019-1316-3">https://link.springer.com/article/10.1007/s10916-019-1316-3</a>
15	Experimental analysis and effects of Gasoline as an additive in Compression Ignition Engine	<a href="https://www.ijitee.org/wp-content/uploads/papers/v8i10/J96400881019.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i10/J96400881019.pdf</a>
16	Modeling of a Gasifier Using Cycle-Tempo for SOFC Applications	<a href="https://pubs.aip.org/aip/acp/article-abstract/2134/1/030008/606949/Modeling-of-a-gasifier-using-cycle-tempo-for-SOFC?redirectedFrom=PDF">https://pubs.aip.org/aip/acp/article-abstract/2134/1/030008/606949/Modeling-of-a-gasifier-using-cycle-tempo-for-SOFC?redirectedFrom=PDF</a>
17	Biomass Densification of Ahl Powder Mechanical Properties Using RSM	<a href="https://intercienciajournal.com/interciencia/index.php/archive/part/44/8/1/?currentVol=44&amp;currentissue=8">https://intercienciajournal.com/interciencia/index.php/archive/part/44/8/1/?currentVol=44&amp;currentissue=8</a>
18	Thermal Degradation On Biomass Briquettes Of Artocarpus Heterophyllus Leaf Powder	<a href="https://intercienciajournal.com/interciencia/index.php/archive/part/44/8/1/?currentVol=44&amp;currentissue=9">https://intercienciajournal.com/interciencia/index.php/archive/part/44/8/1/?currentVol=44&amp;currentissue=9</a>
19	Grid frequency regulation by hybrid system using energy storage system	<a href="https://scholar.google.co.in/scholar?q=Grid+frequency+regulation+by+hybrid+system+using+energy+storage+system&amp;hl=en&amp;as_sdt=0&amp;as_vis=1&amp;oi=scholart">https://scholar.google.co.in/scholar?q=Grid+frequency+regulation+by+hybrid+system+using+energy+storage+system&amp;hl=en&amp;as_sdt=0&amp;as_vis=1&amp;oi=scholart</a>
20	A Hybridized ELM for Automatic Micro Calcification Detection in Mammogram Images Based on Multi-Scale Features	<a href="https://link.springer.com/article/10.1007/s10916-019-1316-3">https://link.springer.com/article/10.1007/s10916-019-1316-3</a>
21	Automatic diagnosis of diabetic retinopathy with the aid of adaptive average filtering with optimized deep convolutional neural network	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/ima.22419">https://onlinelibrary.wiley.com/doi/abs/10.1002/ima.22419</a>





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NAAC Cycle 2

Criterion: 3.3.1

22	Analysis of ph neutralization using ANFIS based queuing algorithm	<a href="http://www.jardcs.org/abstract.php?id=1472">http://www.jardcs.org/abstract.php?id=1472</a>
23	Fractional order controller design for SEPIC converter using metaheuristic algorithm	<a href="https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs171892">https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs171892</a>
24	Watermarking Schemes for High Security with Applications and Attacks: Research Challenges and Open Issues	<a href="https://www.ijrte.org/wp-content/uploads/papers/v8i4/D7161118419.pdf">https://www.ijrte.org/wp-content/uploads/papers/v8i4/D7161118419.pdf</a>
25	Corrosion rate of Al-Si Alloy Reinforced with B4C Nanoparticle prepared by Powder Metallurgy Method using RSM	<a href="https://www.researchgate.net/publication/344362819_Corrosion_rate_of_Al-Si_Alloy_Reinforced_with_B4C_Nanoparticle_prepared_by_Powder_Metallurgy_Method_using_RSM">https://www.researchgate.net/publication/344362819_Corrosion_rate_of_Al-Si_Alloy_Reinforced_with_B4C_Nanoparticle_prepared_by_Powder_Metallurgy_Method_using_RSM</a>
26	Development of an Adaptive PID Controller for a Nonlinear Process	<a href="https://scholar.google.co.in/scholar?q=Development+of+an+Adaptive+PID+Controller+for+a+Nonlinear+Process&amp;hl=en&amp;as_sdt=0&amp;as_vis=1&amp;oi=scholart">https://scholar.google.co.in/scholar?q=Development+of+an+Adaptive+PID+Controller+for+a+Nonlinear+Process&amp;hl=en&amp;as_sdt=0&amp;as_vis=1&amp;oi=scholart</a>
<b>2019-20</b>		
1	Emerging Techniques and Trends in DNA Cryptography	<a href="https://computerjournals.stmjournals.in/index.php/JoCTA/article/view/601">https://computerjournals.stmjournals.in/index.php/JoCTA/article/view/601</a>
2	Survey on Static and Dynamic Hand Gesture Recognition Techniques	<a href="https://www.ijer.net/archive/v8i4/ART20196946.pdf">https://www.ijer.net/archive/v8i4/ART20196946.pdf</a>
3	A Hybridized ELM for Automatic Micro Calcification Detection in Mammogram Images Based on Multi-Scale Features	<a href="https://link.springer.com/article/10.1007/s10916-019-1316-3">https://link.springer.com/article/10.1007/s10916-019-1316-3</a>
4	Experimental analysis and effects of Gasoline as an additive in Compression Ignition Engine	<a href="https://www.ijitee.org/wp-content/uploads/papers/v8i10/J96400881019.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i10/J96400881019.pdf</a>
5	Modeling of a Gasifier Using Cycle-Tempo for SOFC Applications	<a href="https://doi.org/10.1063/1.5120206">https://doi.org/10.1063/1.5120206</a>
6	Biomass Densification of Ahl Powder Mechanical Properties Using RSM	<a href="https://www.researchgate.net/publication/344363387_BIOMASS_DENSIFICATION_OF_AHL_POWDER_MECHANICAL_PROPERTIES_USING_RSM">https://www.researchgate.net/publication/344363387_BIOMASS_DENSIFICATION_OF_AHL_POWDER_MECHANICAL_PROPERTIES_USING_RSM</a>





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NAAC Cycle 2

Criterion: 3.3.1

7	Thermal Degradation On Biomass Briquettes Of Artocarpus Heterophyllus Leaf Powder	<a href="https://www.researchgate.net/profile/Christopher-Ezhil-Singh-8_THERMAL_DEGRADATION_ON_BIOMASS_BRIQUETTES_OF_ARTOCARPUS_HETEROPHYLLUS_LEAF_POWDER/links/5f6c7e48299bf1b53eeddc4a/THERMAL-DEGRADATION-ON-BIOMASS-BRIQUETTES-OF-ARTOCARPUS-HETEROPHYLLUS-LEAF-POWDER.pdf">https://www.researchgate.net/profile/Christopher-Ezhil-Singh-8_THERMAL_DEGRADATION_ON_BIOMASS_BRIQUETTES_OF_ARTOCARPUS_HETEROPHYLLUS_LEAF_POWDER/links/5f6c7e48299bf1b53eeddc4a/THERMAL-DEGRADATION-ON-BIOMASS-BRIQUETTES-OF-ARTOCARPUS-HETEROPHYLLUS-LEAF-POWDER.pdf</a>
8	Grid frequency regulation by hybrid system using energy storage system	<a href="http://www.ijprvd.info/archive_cat/volume-69-no-7-8-year-2019/">http://www.ijprvd.info/archive_cat/volume-69-no-7-8-year-2019/</a>
9	Elm Based Detection of Micro-Calcification in Mammogram using Glcm Features	<a href="https://doi.org/10.1007/s10916-019-1316-3">DOI: 10.1007/s10916-019-1316-3</a>
10	Design of a novel controller to stabilize the dc level of photovoltaic system for low voltage stand alone applications	<a href="http://www.jardcs.org/abstract.php?id=1468">http://www.jardcs.org/abstract.php?id=1468</a>
11	Automatic diagnosis of diabetic retinopathy with the aid of adaptive average filtering with optimized deep convolutional neural network	<a href="https://doi.org/10.1002/ima.22419">https://doi.org/10.1002/ima.22419</a>
12	Design of a Novel Controller to Maintain DC Level of PV System for Low Voltage Applications – a Review	<a href="https://www.ijrte.org/wp-content/uploads/papers/v7i5s2/ES2023017519.pdf">https://www.ijrte.org/wp-content/uploads/papers/v7i5s2/ES2023017519.pdf</a>
13	Improved Least Mean Square Algorithm for 5G signals in Microwave –Photonic Link	<a href="https://www.ijeat.org/wp-content/uploads/papers/v8i4/D6314048419.pdf">https://www.ijeat.org/wp-content/uploads/papers/v8i4/D6314048419.pdf</a>
14	Increasing the Coverage Area Using Microcells in Hybrid GFDM System based on RoF Technology	<a href="https://www.ijrte.org/wp-content/uploads/papers/v7i5s3/E11630275S19.pdf">https://www.ijrte.org/wp-content/uploads/papers/v7i5s3/E11630275S19.pdf</a>
15	Enhanced Noise Curtailing In Long Haul Multi Service 5g Cellular Optical Hybrid Networks	<a href="https://jardcs.org/">https://jardcs.org/</a>
16	Watermarking Schemes for High Security with Applications and Attacks: Research Challenges and Open Issues,	<a href="https://www.ijrte.org/wp-content/uploads/papers/v8i4/D7161118419.pdf">https://www.ijrte.org/wp-content/uploads/papers/v8i4/D7161118419.pdf</a>
17	Corrosion rate of Al-Si Alloy Reinforced with B4C Nanoparticle prepared by Powder Metallurgy Method using RSM ,	<a href="https://doi.org/10.35940/ijitee.A4650.119119">DOI:10.35940/ijitee.A4650.119119</a>
18	Development of an Adaptive PID Controller for a Nonlinear Process	<a href="https://www.ripublication.com/ijaer19/ijaerv14n4_20.pdf">https://www.ripublication.com/ijaer19/ijaerv14n4_20.pdf</a>





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NAAC Cycle 2

Criterion: 3.3.1

19	Non linearity mitigation and dispersion reduction using Bussgang theorem, modified MSE and improved MLE equalizers,	<a href="https://doi.org/10.1016/j.micpro.2019.05.014">https://doi.org/10.1016/j.micpro.2019.05.014</a>
20	Moth-Flame Optimization Based Radiant Thermal Pattern Controller for Continuous Stirred Tank Heater	<a href="https://www.ijstr.org/final-print/mar2020/Moth-flame-Optimization-Based-Radiant-Thermal-Pattern-Controller-For-Continuous-Stirred-Tank-Heater.pdf">https://www.ijstr.org/final-print/mar2020/Moth-flame-Optimization-Based-Radiant-Thermal-Pattern-Controller-For-Continuous-Stirred-Tank-Heater.pdf</a>
21	Design and development of new control technique for standalone PV System	<a href="https://doi.org/10.1016/j.micpro.2019.102888">https://doi.org/10.1016/j.micpro.2019.102888</a>
22	Detection of pH Neutralization Technique in multiple tanks using ANFIS controller	<a href="https://doi.org/10.1016/j.micpro.2019.07.004">https://doi.org/10.1016/j.micpro.2019.07.004</a>
23	Various Methods for Object Detection Based on Deep Learning	<a href="https://www.ijrte.org/portfolio-item/C4954098319/">https://www.ijrte.org/portfolio-item/C4954098319/</a> , DOI: 10.35940/ijrte.C4954.118419
24	Optimization algorithms, an effective tool for the design of digital filters; a review	<a href="https://doi.org/10.1007/s12652-019-01431-x">https://doi.org/10.1007/s12652-019-01431-x</a>
25	An improved brain tumor classification system using Wavelet transform and Neural network	<a href="https://www.mona.uwi.edu/fms/wimj/system/files/article_pdfs/wimj-iss3-2018_243_247.pdf">https://www.mona.uwi.edu/fms/wimj/system/files/article_pdfs/wimj-iss3-2018_243_247.pdf</a>
26	A novel decision support system for malignant tumor using 3D reconstruction and volumetric analysis	DOI: 10.5373/JARDCS/V12I3/20201176
27	Surface structural features and wear analysis of a multilayer Ti-6Al-4V-B 4 C thin film coated AISI 1040 steel	<a href="https://iopscience.iop.org/article/10.1088/2053-1591/ab6c18">https://iopscience.iop.org/article/10.1088/2053-1591/ab6c18</a>
28	Radio Frequency Identification (RFID): A co-generation tool in Product Life cycle Managemenet (PLM)	DOI: 10.35940/ijitee.B6612.019320 <a href="https://www.ijitee.org/wp-content/uploads/papers/v9i3/B6612129219.pdf">https://www.ijitee.org/wp-content/uploads/papers/v9i3/B6612129219.pdf</a>
29	A Controllable Window Function for modelling nonlinerainty of a HP memristor model resultant from sigmoidal behaviour of memristive method	
30	Wear and Corrosion Behavior of Ti-based Coating on Biomedical Implants	<a href="https://doi.org/10.1080/02670844.2020.1730058">https://doi.org/10.1080/02670844.2020.1730058</a>
31	Optimization Tool Wear on Hard Turning of AISI4140 Steel with Coated Carbide Tool Cutting Conditions	DOI:10.35940/ijitee.E3213.039520





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Criterion: 3.3.1

		<a href="https://www.ijitee.org/wp-content/uploads/papers/v9i5/E3213039520.pdf">https://www.ijitee.org/wp-content/uploads/papers/v9i5/E3213039520.pdf</a>
32	Machine Tool Vibration on dimensional accuracy and Surface Roughness during Milling Operation of Al6082 with Indexable Carbide Inserts	<a href="https://jart.icat.unam.mx/index.php/jart/article/view/999/769">https://jart.icat.unam.mx/index.php/jart/article/view/999/769</a>
33	TG/DTA studies on the oxidation and thermal behaviour of Ti-6Al-4V-B 4 C coatings obtained by magnetron sputtering	<a href="https://doi.org/10.22201/icat.24486736e.2020.18.3.1088">https://doi.org/10.22201/icat.24486736e.2020.18.3.1088</a>
34	Optimization algorithms, an effective tool for the design of digital filters; a review	<a href="https://doi.org/10.1007/s12652-019-01431-x">doi.org/10.1007/s12652-019-01431-x</a>
35	Individual customization strategy accomplished by developing prototype of a laparoscopic forceps handle using additive manufacturing	<a href="https://doi.org/10.1108/RPJ-06-2019-0157">https://doi.org/10.1108/RPJ-06-2019-0157</a>
36	Improved Proportional Fair Algorithm for Transportation of 5G Signals in Internet of Medical Things	<a href="https://www.ijitee.org/wp-content/uploads/papers/v9i2/B7471129219.pdf">https://www.ijitee.org/wp-content/uploads/papers/v9i2/B7471129219.pdf</a>
<b>2020-21</b>		
1	Smart Stick for blinds with advanced face recognition and Vehicle detection using machine learning	<a href="https://doi.org/10.22214/ijraset.2020.30404">https://doi.org/10.22214/ijraset.2020.30404</a>
2	Effect of nano B 4 C on the tribological behaviour of magnesium alloy prepared through powder metallurgy	<a href="https://doi.org/10.5755/j01.ms.26.3.21556">https://doi.org/10.5755/j01.ms.26.3.21556</a>
3	Tensile and compression behaviour, microstructural characterization on Mg-3Zn-3Sn-0.7Mn alloy reinforced with SiCp prepared through powder metallurgy method	DOI 10.1088/2053-1591/abb85a <a href="https://iopscience.iop.org/article/10.1088/2053-1591/abb85a">https://iopscience.iop.org/article/10.1088/2053-1591/abb85a</a>
4	Dry Sliding Friction of Al-Si-B 4 C Composites Prepared Through Powder Metallurgy using Taguchi Design	DOI:10.35940/ijitee.F3462.1091220 <a href="https://www.ijitee.org/wp-content/uploads/papers/v9i12/F3462049620.pdf">https://www.ijitee.org/wp-content/uploads/papers/v9i12/F3462049620.pdf</a>
5	Analysis of Sneak Path Issues in Memristor Based 4x4 And 8x8 Crossbar Nonvolatile Random Access Memory Array	<a href="https://solidstatetechnology.us/index.php/JSST/article/view/5370">https://solidstatetechnology.us/index.php/JSST/article/view/5370</a>





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NAAC Cycle 2

Criterion: 3.3.1

6	Prediction and performance emission characteristics of direct Ignition engine with biofuel using artificial neural networks	<a href="https://intercienciajournal.com/show.php?v=45&amp;i=3">https://intercienciajournal.com/show.php?v=45&amp;i=3</a>
7	optimization on friction and wear behavior of Al-Si alloy reinforced with B4C particles by Powder Metallurgy using Taguchi design	<a href="https://journals.pan.pl/Content/118357/PDF/15_D1393-1402_01683_Bpast.No.68-6_29.12.20_OK.pdf">https://journals.pan.pl/Content/118357/PDF/15_D1393-1402_01683_Bpast.No.68-6_29.12.20_OK.pdf</a>
8	Early detection and classification of breast tumor from mammogram images	DOI: 10.37200/IJPR/V24I3/PR2020771 <a href="https://e-journal.uajy.ac.id/22079/1/21.pdf">https://e-journal.uajy.ac.id/22079/1/21.pdf</a>
9	A tumour segmentation approach from FLAIR MRI brain images using SVM and genetic algorithm	<a href="https://dx.doi.org/10.1504/IJBET.2020.108993">https://dx.doi.org/10.1504/IJBET.2020.108993</a>
10	Detection and classification of breast cancer from digital mammograms using Hybrid Extreme Learning Machine Classifier	<a href="https://doi.org/10.1002/ima.22484">https://doi.org/10.1002/ima.22484</a>
11	Driver Exhaustion Detection Systems	<a href="https://dx.doi.org/10.2139/ssrn.3553366">https://dx.doi.org/10.2139/ssrn.3553366</a>
12	Approaching Bus Driver Collapse Exposure Entity Situated upon Rumbustious Observable Inquiry as Concerns Eye Eventuality	<a href="https://www.ijraset.com/fileservice.php?FID=27719">https://www.ijraset.com/fileservice.php?FID=27719</a>
13	Kidney Transplantation System for Matching and Donor Recipient Verification using BlockChain	<a href="https://www.researchgate.net/publication/341957417_Kidney_Transplantation_System_for_Matching_and_Donor_Recipient_Verification_using_BlockChain">https://www.researchgate.net/publication/341957417_Kidney_Transplantation_System_for_Matching_and_Donor_Recipient_Verification_using_BlockChain</a>
14	Script identification: A Review	<a href="https://troindia.in/journal/ijcesr/vol8iss1/92-99.pdf">https://troindia.in/journal/ijcesr/vol8iss1/92-99.pdf</a>
15	Identification of Plant Disease: A Review	<a href="http://troindia.in/journal/ijcesr/vol8iss1/107-114.pdf">http://troindia.in/journal/ijcesr/vol8iss1/107-114.pdf</a>
16	Machine Learning and Internet of Things based Fruit Quality Monitoring System:A Proof of Concept Implementation and Analysis	<a href="http://www.ijraset.com/print-certificate.php?member=29900">http://www.ijraset.com/print-certificate.php?member=29900</a>
17	Automatic Form Filler	<a href="https://www.ijraset.com/fileservice.php?FID=29796">https://www.ijraset.com/fileservice.php?FID=29796</a>





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NAAC Cycle 2

Criterion: 3.3.1

18	Weight Optimized Neural Network for Heart Disease Prediction using Hybrid Lion Plus Particle Swarm Algorithm	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1532046420301714">https://www.sciencedirect.com/science/article/abs/pii/S1532046420301714</a> .
19	Bitcoin : An Overview of the Innovative Decentralised Digital Currency	<a href="https://www.academia.edu/44361827/Bitcoin_An_Overview_of_the_Innovative_Decentralised_Digital_Currency">https://www.academia.edu/44361827/Bitcoin_An_Overview_of_the_Innovative_Decentralised_Digital_Currency</a>
20	Frame-Angle Controlled Wavelet Modulated Inverter and Self-Recurrent Wavelet Neural Network-Based Maximum Power Point Tracking for Wind Energy Conversion System	DOI: 10.1109/ACCESS.2020.3025309
21	MODELING AND CONFIGURATIONS OF AN ELECTRIC VEHICLE	<a href="https://iaeme.com/MasterAdmin/Journal_uploads/IJARET/VOLUME_11_ISSUE_12/IJARET_11_12_057.pdf">https://iaeme.com/MasterAdmin/Journal_uploads/IJARET/VOLUME_11_ISSUE_12/IJARET_11_12_057.pdf</a>
22	A Bibliometric Review of Stock Market Prediction: Perspective of Emerging Markets	<a href="https://doi.org/10.2478/acss-2020-0010">https://doi.org/10.2478/acss-2020-0010</a>
23	Comparison Method of PSO and DE Optimization for MPPT in PV Systems under Partial Shading Conditions	<a href="http://www.rericjournal.ait.ac.th/index.php/reric/issue/archive">http://www.rericjournal.ait.ac.th/index.php/reric/issue/archive</a>
24	A Unified Tensor Framework for Clustering and Simultaneous Reconstruction of Incomplete Imaging Data	<a href="https://doi.org/10.1145/3399806">https://doi.org/10.1145/3399806</a>
25	A Two-Way Optimization Framework for Clustering of Images using Weighted Tensor Nuclear Norm Approximation	<a href="https://ieeexplore.ieee.org/document/9055997">https://ieeexplore.ieee.org/document/9055997</a>
26	Automated breast cancer detection using hybrid extreme learning machine classifier	<a href="https://doi.org/10.1007/s12652-020-02359-3">https://doi.org/10.1007/s12652-020-02359-3</a>
<b>2021-22</b>		
1	Maximum Power Tracking and Power Sharing in Grid Connected WECS Using Modified PFC Rectifier and PR Controlled Inverter	<a href="https://doi.org/10.1080/15325008.2020.1857473">https://doi.org/10.1080/15325008.2020.1857473</a>
2	ZrC-Impregnated Titanium-Based Coating as an Effective Lubricating Barrier for Artificial Hip Prosthesis	<a href="http://www.astm.org">www.astm.org</a>







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NAAC Cycle 2

Criterion: 3.3.1

3	Early detection of breast malignancy using wavelet features and optimized classifier	<a href="https://doi.org/10.1002/ima.22537">https://doi.org/10.1002/ima.22537</a>
4	Malignancy detection on mammograms by integrating modified convolutional neural network classifier and texture features	<a href="https://doi.org/10.1002/ima.22635">https://doi.org/10.1002/ima.22635</a>
5	Automated Papaya Farm Monitoring system using Unmanned Aerial Vehicle (UAV)	<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3872494">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3872494</a>
6	Deep learning based robust medical image watermarking exploiting DCT & Harris hawks optimization	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/int.22742">https://onlinelibrary.wiley.com/doi/abs/10.1002/int.22742</a>
7	Computational system for medical image authentication using watermarking	<a href="https://doi.org/10.1007/978-3-030-90318-3_76">https://doi.org/10.1007/978-3-030-90318-3_76</a>
8	Prediction of fatigue crack initiation life in SA312 type 304LN austenetic stainless steel straight pipe with nodes	<a href="https://doi.org/10.1016/j.net.2021.11.011">https://doi.org/10.1016/j.net.2021.11.011</a>
9	Influence of AZ91 Alloy Reinforced with Nano B4C particles on Microstructural Characterization, Mechanical and Tribological Properties prepared Through Powder Metallurgy	DOI 10.1088/2053-1591/ac2ce5 <a href="https://iopscience.iop.org/article/10.1088/2053-1591/ac2ce5/pdf">https://iopscience.iop.org/article/10.1088/2053-1591/ac2ce5/pdf</a>
10	Performance Characterization of a Solar Cavity Collector Using Artificial Neural Network	<a href="https://doi.org/10.1155/2022/7129833">https://doi.org/10.1155/2022/7129833</a>
11	Sports Utility Vehicle Prediction based on Machine Learning Approach	<a href="https://doi.org/10.22201/icat.24486736e.2021.19.3.1683">https://doi.org/10.22201/icat.24486736e.2021.19.3.1683</a>
12	Flexural Behaviour of RC Beams with a Circular Opening at the Flexural Zone and Shear Zone Strengthened Using Steel Plates	DOI:10.1155/2021/6733402
13	Investigation on mechanical properties for PolyJet-printed parts involving material reduction strategy	<a href="https://doi.org/10.1504/IJRAPIDM.2021.119987">https://doi.org/10.1504/IJRAPIDM.2021.119987</a>
14	Preliminary prototype and analysis of a customized handle for winding machine using fused filament fabrication	<a href="https://doi.org/10.36375/prepare_u.iei.a149">https://doi.org/10.36375/prepare_u.iei.a149</a>
<b>2022-23</b>		
1	Breast cancer detection in mammogram: combining modified CNN and texture feature based approach	<a href="https://link.springer.com/article/10.1007/s12652-022-03713-3">https://link.springer.com/article/10.1007/s12652-022-03713-3</a>





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Criterion: 3.3.1

2	Flame dynamics of premixed CH <sub>4</sub> /H <sub>2</sub> /air flames in a microchannel with a wall temperature gradient	<a href="https://doi.org/10.1080/13647830.2022.2095927">https://doi.org/10.1080/13647830.2022.2095927</a>
3	Effect of hydrogen addition on the dynamics of premixed C <sub>1</sub> C <sub>4</sub> alkane-air flames in a microchannel with a wall temperature gradient	<a href="https://doi.org/10.1016/j.ijhydne.2022.07.030">https://doi.org/10.1016/j.ijhydne.2022.07.030</a>
4	A Review on Power Generation Enhancements in a Pumped Storage Powerhouse by Using Appropriate Guide Vane Sealing Material	DOI:10.37591/JOAEST <a href="https://engineeringjournals.stmjournals.in/index.php/JoAEST/index">https://engineeringjournals.stmjournals.in/index.php/JoAEST/index</a>
5	Effectiveness of Feature Extraction by PCA-Based Detection and Naive Bayes Classifier for Glaucoma Images	<a href="https://doi.org/10.1155/2022/4802872">https://doi.org/10.1155/2022/4802872</a>
6	Compression behaviour Mg-Zn-xSr-HA hybrid nanocomposites through powder metallurgy method	<a href="https://doi.org/10.1016/j.matpr.2022.12.133">https://doi.org/10.1016/j.matpr.2022.12.133</a>
7	Tribological and mechanical properties Mg-Zn-xSr-HA hybrid nanocomposites prepared by powder metallurgy technique	<a href="https://doi.org/10.1016/j.matpr.2022.12.136">https://doi.org/10.1016/j.matpr.2022.12.136</a>
8	Wind energy conversion system-based PMSG for maximum power tracking and grid synchronization using adaptive fuzzy logic control	<a href="https://jart.icat.unam.mx/index.php/jart/issue/view/93">https://jart.icat.unam.mx/index.php/jart/issue/view/93</a>
9	Weapon detection using ML for PPA	<a href="https://doi.org/10.1007/978-981-16-7330-6_61">https://doi.org/10.1007/978-981-16-7330-6_61</a>
10	Effect of hydrogen addition on the dynamics of premixed c <sub>1</sub> -c <sub>4</sub> alkaline air flames in a microchannel with a well temperature gradient	<a href="https://doi.org/10.1016/j.ijhydne.2022.07.030">https://doi.org/10.1016/j.ijhydne.2022.07.030</a>
11	Sustainable Green Connected Systems Through Integrated Organic Waste Management Eco-model for the Green Clean Campus	<a href="https://drive.google.com/open?id=1NyzxcArJPajfWm0Z5lZBa01ZAsRzfHB1">https://drive.google.com/open?id=1NyzxcArJPajfWm0Z5lZBa01ZAsRzfHB1</a> DOI 10.1149/10701.10423ecst
12	PRODUCTIVITY ASSESSMENT MODEL USING FUZZY LOGIC APPROACH	<a href="https://ijcrt.org/papers/IJCRT2210147.pdf">https://ijcrt.org/papers/IJCRT2210147.pdf</a>
13	ANALYSIS OF CONCRETE FILLED DOUBLE SKIN STEEL COLUMN WITH FRP WRAPPING	<a href="https://ijcrt.org/papers/IJCRT2209442.pdf">https://ijcrt.org/papers/IJCRT2209442.pdf</a>





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**NAAC Cycle 2**

**Criterion: 3.3.1**

14	NUMERICAL INVESTIGATION AND COMPARISON STUDY OF COLD FORMED STEEL CASTELLATED I-SECTION	<a href="https://ijcrt.org/papers/IJCRT2210091.pdf">https://ijcrt.org/papers/IJCRT2210091.pdf</a>
15	5G-Telecommunication Allocation Network Using IoT Enabled Improved Machine Learning Technique	<a href="https://www.hindawi.com/journals/wcmc/2022/6229356/">https://www.hindawi.com/journals/wcmc/2022/6229356/</a>

