



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.
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Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
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QUALITY INDICATOR FRAMEWORK (QIF)

3.3.2. Number of research papers per teachers in the Journals notified on UGC website during the year

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Document Link
1.	Pyrazoline Derivative as Corrosion Inhibitor for Mild Steel in Hydrochloric Acid Medium: Experimental and Theoretical Approach	Dr.Damodara N	BSH	ChemistrySelect	2023	2365-6549	View Document
2.	Clitoria ternatea flower extract: Biopolymer composite-based triboelectric nanogenerator as a self-powered smart counter	Dr. Shashikumar K	BSH	Surfaces and Interfaces	2023	2468-0230	
3.	Polyaniline grafted pullulan: Optical, thermal, structural, and electrical characterization studies in combination with density functional theory calculations	Dr. Ramaprasad A.T	BSH	Journal of Applied Polymer Science	2023	1097-4628	
4.	Etching of micro-channels in fused quartz for novel device applications	Dr. Jayarama A	BSH	Materials Today Proceedings	2023	2214-7853	
5.	Degradation mechanisms in PEM fuel cells: A brief review	Dr. Jayarama A	BSH	Materials Today Proceedings	2023	1877-7058	
6.	FTIR signal assignment in Chitin using density functional theory calculations – A monomer approximation	Dr. Shashikumar K	BSH	Materials Today Proceedings	2022	2214-7853	
7.	FTIR signal assignment in Chitin using density functional theory calculations – A monomer approximation	Dr. Ramaprasad A.T	BSH	Materials Today Proceedings	2022	2214-7853	
8.	A novel cross-linked PVA-Chitosan composite membrane for heavy metal filtration applications	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	1877-7058	
9.	A novel cross-linked PVA-Chitosan composite membrane for heavy metal filtration applications	Dr. Ramaprasad A.T	BSH	Materials Today Proceedings	2022	1877-7058	
10.	Chitosan-Polyvinyl Alcohol blend as beta-ray attenuator	Dr. Ramaprasad A.T	BSH	Materials Today Proceedings	2022	2214-7853	



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11.	Optical and photoluminescence studies of precursor stabilised Aluminium-Gallium Zinc oxide thin films	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	1877-7058	
12.	Simulation & analysis of PZT/ P (VDF-TrFE) cantilever beams for health monitoring of building and structures	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	2214-7853	
13.	Effect of precursor dilution solvents on the growth of V2O5 thin films using spray pyrolysis	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	1877-7058	
14.	Optical and photoluminescence studies of precursor stabilized gallium zinc oxide thin films	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	2214-7853	
15.	Optical band gap and photoluminescence studies of precursor optimized Indium-Gallium Zinc oxide thin films	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	1877-7058	
16.	Growth of precursor stabilized IZO thin films and study of their optical and photoluminescence properties	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	2214-7853	
17.	Spray pyrolysis deposited aluminium-indium zinc oxide thin films and study of their electrical and photoluminescence properties	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	1877-7058	
18.	A review on chemi-resistive human exhaled breath biosensors for early diagnosis of disease	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	2214-7853	
19.	A review on metal-oxide based trace ammonia sensor for detection of renal disease by exhaled breath analysis	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	1877-7058	
20.	Chemical etching of glasses in hydrofluoric Acid: A brief review	Dr. Jayarama A	BSH	Materials Today Proceedings	2022	0022-2860	
21.	ANN model for predicting the significance of parameters in the structural behavior of an elliptical paraboloid shell roof	Ms. Anusha B Rao	CV	Materials Today Proceedings	2022	2214-7853	View Document
22.	Air Pollution Tracking in Mangalore using GIS and RS	Dr. H G Umeshchandra	CV	Journal of Emerging Technologies and Innovative Research	2022	2349-5162	



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23.	Gray-Level Co-Occurrence Matrix with Oriented Fast and Rotated Brief Algorithm for Diabetic Retinopathy Prediction	R Senthil Kumar	CSE	Journal of Environmental Protection and Ecology	2023	1311-5065	View Document
24.	Fully convolutional neural networks for LIDAR-camera fusion for pedestrian detection in autonomous vehicle	R Senthil Kumar	CSE	Springer - Multimedia Tools and Applications	2023	1573-7721	
25.	A collaborative and adaptive cyber defense strategic assessment for healthcare networks using edge computing	Dr K. Baranitharan	CSE	Elsevier - Healthcare Analytics	2023	2772-4425	
26.	Facial Expression Recognition Using Transfer Learning with ResNet50	Vaishnavi V. Kulkarni	CSE	Springer - Inventive Systems and Control	2023	978-981-99-1623-8	
27.	Diabetic Retinopathy Prediction using Modified Inception V3 Model Structure	Sathyaprakash B. P.	CSE	International Journal of Intelligent Systems and Applications in Engineering	2023	2147-6799	
28.	Intermediate Learning-Based Attention Regulated Densenet for Diagnosis of Covid-19	Mrs. Shwetha M.S	ECE	Indian Journal of Science and Technology	2023	0974-5645	View Document
29.	A Review: Dynamic Wireless Charging of Electrified Vechiles	Mrs. Shwetha M.S	ECE	IJSREM	2023	2395-5252	
30.	Wi-Fi Module based Vegetable Plucking Robot	Mrs. Shwetha M.S	ECE	IJSREM	2023	2395-5252	
31.	Analysis of MEMS cantilever sensor for sensing volatile organic compounds	Dr. Guruprasad B	ECE	Micro and nano engineering	2022	2773-0123	
32.	Analysis of hybrid nano composite pva- pdms thin films for hydrophobic applications	Dr. Guruprasad B	ECE	YMER	2022	0044-0477	
33.	MEMS based metal oxide semiconductor carbon dioxide gas sensor	Dr. Guruprasad B	ECE	Micro and Nano sensor- Micro and Nano Engineering	2023	2773-0123	
34.	Smart child rescue system	Mrs. Vijetha TS	ECE	IJSREM	2023	2395-5252	
35.	A Review on voice controlled wheel chair with obstacles sensor and therapy unit	Mrs. Vijetha T S	ECE	IJSREM	2023	2395-5252	
36.	Effect of curing temperature and time on mechanical properties of vinyl polymer material for sealing applications in industry using machine learning techniques	Dr. Siddesh G K	ECE	Advances in Polymer Technology	2023	7306-679	



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37.	Actor Critic Approach based Anomaly Detection for Edge Computing Environments	Dr. Siddesh G K	ECE	International Journal of Computer Networks and Communications (IJCNC)	2023	0975-2293	
38.	Construction and Evaluation of Deep Neural network – based predictive Controller for drug preparation	Dr. Dattathreya	ECE	AAI and IoT based intelligent health care and simulation - Bentham Science	2023	978-981-5136-54-8	
39.	3-D Modelling of Mems Based Micro- Cantilever Vibration Sensor	Dr. D.V. Manjunatha	ECE	International Journal of Intelligent Systems and Applications	2023	2147-6799	
40.	Intermediate Learning- Based Attention Regulated Densenet for Diagnosis of Covid-19	Dr. D.V.Manjunatha	ECE	Format guide for Indian Journal of Engineering & Technology	2023	0974-6846	
41.	"Experimental Study of Humidity Effect on Sensitivity on MEMS Cantilever Sensor", Springer Book Series on Algorithms For Intelligent Systems"	Dr. D.V.Manjunatha	ECE	Springer Book Series	2023	2524-7565	
42.	Simulation & analysis of PZT/ P (VDF-TrFE) cantilever beams for health monitoring of building and structures"	Dr. D.V. Manjunatha	ECE	Materials Today: Communication	2023	2352-4928	
43.	Intermediate learning based Attention regulated DenseNet for Diagnosis of Covid-19 Disease" to "Indian Journal of Science & Technology" 16(6):	Dr. Roshan Shetty	ECE	Indian Journal of Science & Technology	2023	0974-5654	
44.	"A Review: Wireless Sensor Network based landslide Detection"	Dr. Roshan Shetty	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023	2582-3930	
45.	"A Review: Innovative Home Automation Using COB LED"	Dr. Roshan Shetty	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023	2582-3930	
46.	"A Review: Vehicle Accident Detection using GPS and GSM"	Dr. Roshan Shetty	ECE	International Journal of Scientific Research in	2023	2582-3930	



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				Engineering and Management (IJSREM)			
47.	A review paper on Automatic Fine Collector for Overspeeding	Mrs. Bhagyashree K	ECE	International Journal of Scientific Research in Engineering and Management(IJSREM)	2023	2582-3930	
48.	3-D Modelling of Mems Based Micro- Cantilever Vibration Sensor	Mrs. Ansha Prathiba	ECE	International Journal of Intelligent Systems and Applications in Engineering	2023	2582-3930	
49.	A Review Smart Portable wind Turbine	Mrs.Ansha Prathiba	ECE	International Journal of Scientific Research in Engineering and Management(IJSREM)	2023	2582-3930	
50.	A Review: Wireless Surveillance Robot using GSM and RF Technology	Mr. Udaya Kumar.S	ECE	International Journal of Scientific Research in Engineering and Management	2023	2582-3930	
51.	A Review-IOT based real time monitoring and control system for Mushroom Farm	Mr. Sudhakara H,M	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023	2582-3930	
52.	A Review-Sign Language Converter using Hand Gloves	Dr. Veeraprathap V	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023	2582-3930	
53.	Railway track crack detection system using Arduino	Dr. Guruprasad B	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023	2582-3930	
54.	Palliative Chair	Dr.Dattathreya	ECE	International Education and Research journal (IERJ)	2023	2582-3930	



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55.	Fertilizer Quality testing machine using NPK	Dr. Guruprasad B	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023	2582-3930	
56.	Study of ZnO & BaTiO ₃ for Low frequency applications	Mr. Sushanth Anil Lobo	ECE	International journal for multidisciplinary Research (IJFMR)	2023	2582-3930	
57.	A Review- Intelligent mobility solution	Mrs. Bhagyashree	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023	2582-3930	
58.	Diabetic Retinopathy Prediction using Modified Inception V3 Model Structure	Jayantkumar A Rathod	ISE	International Journal of Intelligent Systems and Applications in Engineering	2023	2147-6799	View Document
59.	Diabetic Retinopathy Prediction using Modified Inception V3 Model Structure	Lolakshi P K	ISE	International Journal of Intelligent Systems and Applications in Engineering	2023	2147-6799	
60.	Hands-Free Computing for Disabled People using Computer Vision	Pradeep V	ISE	Journal of Northeastern University	2023	1005-3026	
61.	Real-Time Neural Network Based Prediction in Hands-Free Computing	Pradeep V	ISE	Advanced Engineering Science	2023	2096-3246	
62.	Characterization and investigation of performance of Sn–Bi alloy used as a thermal interface material	Dr. Satyanarayan	ME	Journal of Materials Science: Materials in Electronics	2023	0957-4522	View Document
63.	Interpretable Ensemble Machine Learning Framework to Predict Wear Rate of Modified ZA-27 Alloy	Dr. Satyanarayan	ME	Tribology International	2023	0301-679X	
64.	Characterization and investigation of performance of Sn–Bi alloy used as a thermal interface material	Kumar Swamy M C	ME	Journal of Materials Science: Materials in Electronics	2023	0957-4522	
65.	Emission Reduction technology for marine Engine : A reveiw	KIRAN C H	ME	International Journal of research publication and revies (2023)	2023	2582-7421	



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66.	To Study the Influence of Injection Timing, Injector Opening Pressure and Blend Percentage on Engine Performance and Emissions by the Integration of Taguchi and RSM for an Engine Fuelled with CAOME.	Dr. Gurushanth B Vaggar	ME	Journal of Mines, Metals and Fuel	2022	0022-2755	
67.	Study on Thermal Conductivity and Thermogravimetric Analysis of Glass Fibre Epoxy Resin Composites Modified with Silicon Carbide and Copper Nanoparticles	Dr. Gurushanth B Vaggar	ME	Springer Nature Singapore Pte Ltd. 2023, Advances in Manufacturing Technology and Management	2023	2195-4356	
68.	Study on Thermal Conductivity and Thermogravimetric Analysis of Glass Fibre Epoxy Resin Composites Modified with Silicon Carbide and Copper Nanoparticles	Prof. Pramod V B	ME	Springer Nature Singapore Pte Ltd. 2023, Advances in Manufacturing Technology and Management	2023	2195-4356	
69.	Interpretable Ensemble Machine Learning Framework to Predict Wear Rate of Modified ZA-27 Alloy	Dr. Satyanarayan	ME	Tribology International	2023	0301-679X	