



# A J INSTITUTE OF ENGINEERING AND TECHNOLOGY

NH-66, Kottara Chowki, Mangaluru -575006, Karnataka, INDIA

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### 3.3.1. Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

Our faculty members have published their research work in various international journals of repute. College is continuously supporting and motivating for publications. Following table illustrates the publications of our faculty in the last five years. Also, Journal Source Cite link is provided in the last column.

Year	2023-24	2022-23	2021-22	2020-21	2019-20
Number	25	33	29	26	19

#### List of Papers published in Journals with their link to Source Cite Website

Sl. No.	Title of paper	Journal Source Cite Link
1.	XOR Vector space based S-Box generation and its application to DES and AES for the time-efficient image encryption	<a href="#">View Documents</a>
2.	Arnicolide D: a multi-targeted anticancer sesquiterpene lactone—preclinical efficacy and mechanistic insights	<a href="#">View Documents</a>
3.	Synthesis, crystal structure, Hirshfeld surface analysis, energy frameworks, and DFT calculations of (2e)-3- (dimethylamino)-1-[5-methyl-1-(4-nitrophenyl)-1h-1,2,3- triazol-4-yl]prop-2-en-1-one	<a href="#">View Documents</a>
4.	Panoptic Region Slicing Segmentation and Optimized Alexnet-Based CNN for Early Melanoma Diagnosis	<a href="#">View Documents</a>
5.	A survey on wireless sensor network (applications and architecture)	<a href="#">View Documents</a>
6.	Design, Implementation and Analysis of HIBRI Cipher on IoT Platforms	<a href="#">View Documents</a>



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7.	A Unified Approach Toward Security Audit and Compliance in Cloud Computing	<a href="#">View Documents</a>
8.	On a new class of integrals involving generalized hypergeometric functions.	<a href="#">View Documents</a>
9.	Toxic Comments Detection and Classifier	<a href="#">View Documents</a>
10.	Characterization of the Surface Lake and Evaluation of Its Benefits on Unconfined Aquifer Interaction—A Study on Coastal Karnataka Lake, India	<a href="#">View Documents</a>
11.	Brain tumor detection with deep learning using CNN	<a href="#">View Documents</a>
12.	Personal virtual doctor	<a href="#">View Documents</a>
13.	Microstructure and surface characterization of copper and zinc added heat treated stir cast A356 alloy	<a href="#">View Documents</a>
14.	Tribological simulation analysis of artificially aged A356 alloy with minor addition of copper and zinc	<a href="#">View Documents</a>
15.	Social media based hate speech and stress identification through Machine learning and Natural language processing	<a href="#">View Documents</a>
16.	DRIVESAFE- The Emotive transport initiative	<a href="#">View Documents</a>
17.	Step Simple – Guiding the Visually Challenged	<a href="#">View Documents</a>
18.	Knee-Jerk Reaction for Protecting Agricultural Farms from Invasion of Wild Animals	<a href="#">View Documents</a>
19.	Karmik Connect: Revolutionizing the Daily Wage Labor Market	<a href="#">View Documents</a>
20.	Autospa for Automobile Wash and Services	<a href="#">View Documents</a>



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21.	Revolutionizing Car Care: A Mobile Application for Seamless Automobile Wash and Service management	<a href="#">View Documents</a>
22.	A combined fuzzy backtracking search optimization algorithm to localize retinal blood vessels for Diabetic Retinopathy	<a href="#">View Documents</a>
23.	Improvement in Corrosion Performance of ECAPed AZ80/91 Mg Alloys Using SS316 HVOF Coating	<a href="#">View Documents</a>
24.	Secured Authentication of RFID Devices Using Lightweight Block Ciphers on FPGA Platforms	<a href="#">View Documents</a>
25.	Community input to quantification of lake restoration benefits: a pilot study of coastal Karnataka Lake, India	<a href="#">View Documents</a>
26.	Historical water body changes using spation temporal Indices- a case study of Dakshina Kannada	<a href="#">View Documents</a>
27.	Influence of Treated Coir Fiber on Durability Properties of Black Cotton Soil	<a href="#">View Documents</a>
28.	Sesmic Performance And Retrofit For Yuvaraja's College: The Case Study	<a href="#">View Documents</a>
29.	Metal complex based on chitosan Schiff base as potent antimicrobial and Antioxidants	<a href="#">View Documents</a>
30.	Enhancement of video condensation with video browsing and retrieval for surveillance videos using heuristic-derived deep learning algorithm	<a href="#">View Documents</a>
31.	ORPHANHUB: Orphanage learn earn and donation based application	<a href="#">View Documents</a>
32.	AI as a new psychotherapist-to learn and fight mental illness	<a href="#">View Documents</a>
33.	Textify-Lip reading to text	<a href="#">View Documents</a>
34.	Cattle disease diagnosis using deep learning	<a href="#">View Documents</a>



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35.	Emotify-Emotion based music player	<a href="#">View Documents</a>
36.	Self-driving vehicle controller assistant	<a href="#">View Documents</a>
37.	Method for generating descriptions for clothing images to support intelligent systems	<a href="#">View Documents</a>
38.	Forensic Desk-Face sketch and recognition	<a href="#">View Documents</a>
39.	Transparent charity application using block chain	<a href="#">View Documents</a>
40.	Make purchase easy-A Purchase recommendation android application	<a href="#">View Documents</a>
41.	Public work department fund allocation and tender tracking system using block chain	<a href="#">View Documents</a>
42.	Gammadion based Local Binary Pattern with Shearlet coefficients for palm print recognition	<a href="#">View Documents</a>
43.	An insight to the decadal land use land cover changes of Dakshina Kannada district	<a href="#">View Documents</a>
44.	Flood Monitoring and Alert System using IOT	<a href="#">View Documents</a>
45.	Smart Surveillance System Using Machine Learning	<a href="#">View Documents</a>
46.	Social Platform for Auctioning In-Demand Tour Plans to Agencies	<a href="#">View Documents</a>
47.	Android Messenger Application Using Flutter	<a href="#">View Documents</a>
48.	Gesture Controlled Swarm of Mini Aerial vehicles	<a href="#">View Documents</a>
49.	Lung Cancer Prediction With CT Scan Images Using Machine Learning	<a href="#">View Documents</a>
50.	Student Sentiment Analysis using NLP and ML	<a href="#">View Documents</a>
51.	Hand Gesture Recognition System to Control Keyboard functions	<a href="#">View Documents</a>



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55.	Wave reflection coefficient prediction for emerged semicircular breakwater using a novel hybrid approach of GA-ANFIS	<a href="#">View Documents</a>
56.	Investigations on structural, optical and electrical properties of microwave-assisted rGO:ZnO nanocomposite thin films	<a href="#">View Documents</a>
57.	Hybrid meta heuristic technique load balancing for cloud based virtual machines	<a href="#">View Documents</a>
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61.	On Mechanical Response of Aluminum Alloys in Corrosive Environment	<a href="#">View Documents</a>
62.	FPGA implementation novel lightweight MBRISI cipher	<a href="#">View Documents</a>
63.	On an integral involving I-Function	<a href="#">View Documents</a>
64.	A note on generalizations of Bailey's Identity involving products of generalized hypergeometric series	<a href="#">View Documents</a>
65.	On A new Class of Finite Integrals Involving Generalized Hypergeometric Function	<a href="#">View Documents</a>



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