



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, link in the institutional website 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 in the Institutional Website

Sl. No.	Title of paper	Link in the Institutional Website
1.	XOR Vector space-based S-Box generation and its application to DES and AES for the time-efficient image encryption	View Documents
2.	Arnicolide D: a multi-targeted anticancer sesquiterpene lactone—preclinical efficacy and mechanistic insights	View Documents
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	View Documents
4.	Panoptic Region Slicing Segmentation and Optimized Alexnet-Based CNN for Early Melanoma Diagnosis	View Documents
5.	A survey on wireless sensor network (applications and architecture)	View Documents
6.	Design, Implementation and Analysis of HIBRI Cipher on IoT Platforms	View Documents
7.	A Unified Approach Toward Security Audit and Compliance in Cloud Computing	View Documents
8.	On a new class of integrals involving generalized hypergeometric functions.	View Documents



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9.	Toxic Comments Detection and Classifier	View Documents
10.	Characterization of the Surface Lake and Evaluation of Its Benefits on Unconfined Aquifer Interaction—A Study on Coastal Karnataka Lake, India	View Documents
11.	Brain tumor detection with deep learning using CNN	View Documents
12.	Personal virtual doctor	View Documents
13.	Microstructure and surface characterization of copper and zinc added heat treated stir cast A356 alloy	View Documents
14.	Tribological simulation analysis of artificially aged A356 alloy with minor addition of copper and zinc	View Documents
15.	Social media-based hate speech and stress identification through Machine learning and Natural language processing	View Documents
16.	DRIVESAFE- The Emotive transport initiative	View Documents
17.	Step Simple – Guiding the Visually Challenged	View Documents
18.	Knee-Jerk Reaction for Protecting Agricultural Farms from Invasion of Wild Animals	View Documents
19.	Karmik Connect: Revolutionizing the Daily Wage Labor Market	View Documents
20.	Autospa for Automobile Wash and Services	View Documents
21.	Revolutionizing Car Care: A Mobile Application for Seamless Automobile Wash and Service management	View Documents
22.	A combined fuzzy backtracking search optimization algorithm to localize retinal blood vessels for Diabetic Retinopathy.	View Documents
23.	Improvement in Corrosion Performance of ECAPed AZ80/91 Mg Alloys Using SS316 HVOF Coating	View Documents
24.	Secured Authentication of RFID Devices Using Lightweight Block Ciphers on FPGA Platforms	View Documents



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25.	Community input to quantification of lake restoration benefits: a pilot study of coastal Karnataka Lake, India	View Documents
26.	Historical water body changes using spation temporal Indices- a case study of Dakshina Kannada	View Documents
27.	Influence of Treated Coir Fiber on Durability Properties of Black Cotton Soil	View Documents
28.	Sesmic Performance And Retrofit For Yuvaraja's College: The Case Study	View Documents
29.	Metal complex based on chitosan Schiff base as potent antimicrobial and Antioxidants	View Documents
30.	Enhancement of video condensation with video browsing and retrieval for surveillance videos using heuristic-derived deep learning algorithm.	View Documents
31.	ORPHANHUB: Orphanage learn earn and donation based application	View Documents
32.	AI as a new psychotherapist-to learn and fight mental illness	View Documents
33.	Textify-Lip reading to text	View Documents
34.	Cattle disease diagnosis using deep learning	View Documents
35.	Emotify-Emotion based music player	View Documents
36.	Self-driving vehicle controller assistant	View Documents
37.	Method for generating descriptions for clothing images to support intelligent systems	View Documents
38.	Forensic Desk-Face sketch and recognition	View Documents
39.	Transparent charity application using block chain	View Documents
40.	Make purchase easy-A Purchase recommendation android application	View Documents
41.	Public work department fund allocation and tender tracking system using block chain	View Documents
42.	Gammadion based Local Binary Pattern with Shearlet coefficients for palm print recognition	View Documents



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44.	Flood Monitoring and Alert System using IOT	View Documents
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46.	Social Platform for Auctioning In-Demand Tour Plans to Agencies	View Documents
47.	Android Messenger Application Using Flutter	View Documents
48.	Gesture Controlled Swarm of Mini Aerial vehicles	View Documents
49.	Lung Cancer Prediction With CT Scan Images Using Machine Learning	View Documents
50.	Student Sentiment Analysis using NLP and ML	View Documents
51.	Hand Gesture Recognition System to Control Keyboard functions	View Documents
52.	Image colorization and Detection using machine learning	View Documents
53.	A Survey Paper on Brain Tumor Detection	View Documents
54.	AI Yoga Gesture Estimation	View Documents
55.	Wave reflection coefficient prediction for emerged semicircular breakwater using a novel hybrid approach of GA-ANFIS	View Documents
56.	Investigations on structural, optical and electrical properties of microwave-assisted rGO:ZnO nanocomposite thin films	View Documents
57.	Hybrid meta heuristic technique load balancing for cloud based virtual machines	View Documents
58.	Deep learning approach for Touchless Palm print Recognition based on Alexnet and Fuzzy Support Vector Machine	View Documents



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62.	FPGA implementation novel lightweight MBRISI cipher	View Documents
63.	On an integral involving I-Function	View Documents
64.	A note on generalizations of Bailey's Identity involving products of generalized hypergeometric series	View Documents
65.	On A new Class of Finite Integrals Involving Generalized Hypergeometric Function	View Documents
66.	Certain Integral Formulae Associated with the Product of Generalized Hypergeometric Series and Several Elementary Functions Derived from Formulas for the Beta Function	View Documents
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