



IKSHA

The Vision

IS&E Dept. NEWS LETTER



Volume10 Issue1 Jan-June 2023

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CHIEF EDITOR

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CANARA ENGINEERING COLLEGE

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The Information Science and Engineering Department focuses on all-round development & encourages a vibrant interest in academic as well as in extra curricular activities. The Department has fully equipped laboratories and well qualified and experienced staff. The Department regularly arranges seminars, workshops from Industry Experts for students as well as for staff and also organizes industry visits for students. The Department offers add-on courses to cope up with the latest trends in technology. The track record of result is excellent.

PROGRAM VISION

The Department of Information Science and Engineering strives to be a centre of learning in the field of Information Technology to produce globally competent engineers catering to the needs of the industry and society.

PROGRAM MISSION

- ✓ Impart technical skills in the field of Information Science & Engineering.
- ✓ Train and transform students to become technological thinkers and facilitate a quality venture which meets the industrial and societal needs.
- ✓ Encourage students to become well-rounded in their professional competencies.



▶ PROGRAM EDUCATIONAL OBJECTIVES

Engineering graduates in Information Science and Engineering will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi disciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

▶▶ PROGRAM EDUCATIONAL OBJECTIVES

1. Graduates will succeed in the field of Information Science and Engineering, professional career and higher studies.
2. Graduates will analyze the requirements of the software industries and provide novel engineering designs and efficient solutions with legal and ethical responsibility.
3. Graduates will adapt to emerging technologies, work in multi-disciplinary teams with effective communication skills and leadership qualities.

▶▶ PROGRAM SPECIFIC OUTCOMES:

1. An ability to understand, analyze and impart the basic knowledge of Information Science and Engineering.
2. An ability to apply the programming, designing, and problem solving techniques in building/simulating the applications, solving the problems and guiding the innovative career paths to become an IT Engineer.

HOD MESSAGE

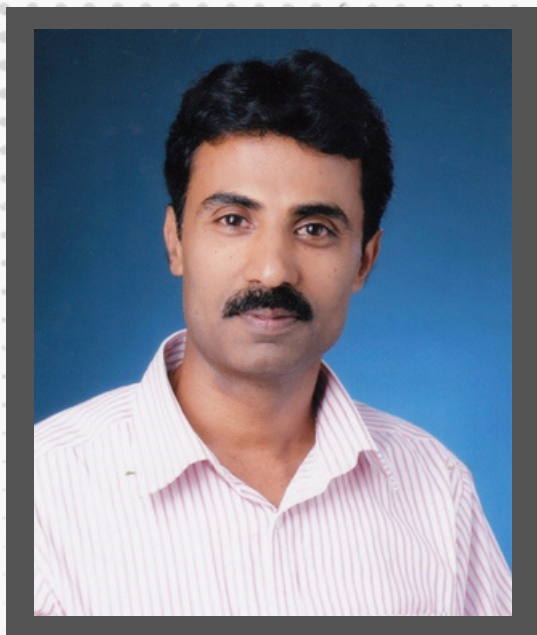
I am happy to note that the Department of Information Science and Engineering is releasing its latest Newsletter (Volume 11, Issue 1), enumerating the various activities and achievements of our faculty and students. The department endeavors to produce confident professionals tuned to real time working environment. The department offers excellent academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work in them.



DR. JAGADISHA N
Professor & HOD

CHIEF EDITOR'S MESSAGE

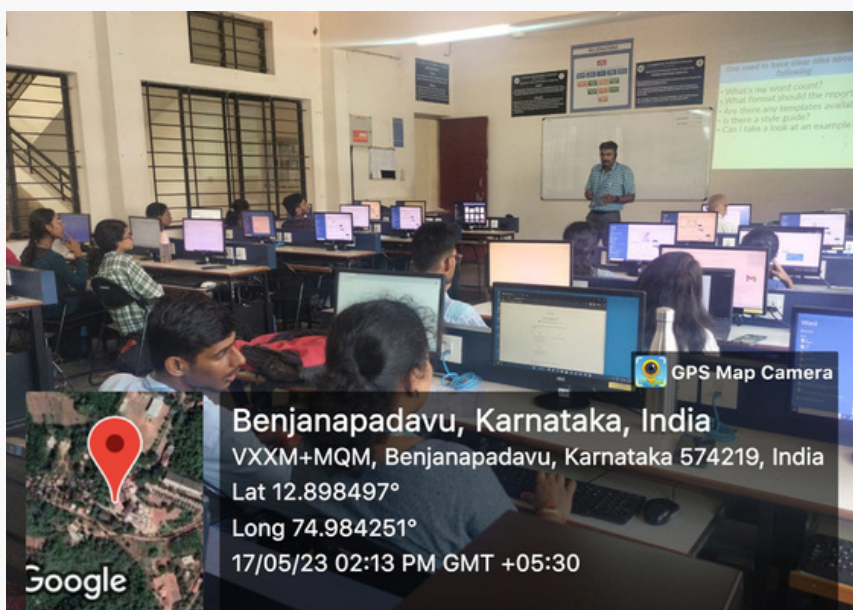
It gives me immense pleasure that I was given the opportunity to work on current edition (Volume 11 Issue 1) of the IS&E Department Newsletter. As we all know, a newsletter mirrors a department -its vision and mission. It also highlights events, activities and academic progress and achievements. In this edition (January 2023 to June 2023), I have tried to capture current semester excitement and activities. I do hope that the newsletter encourages many more, including students, to use it as a platform to express their creativity. I sincerely hope that this edition makes for an interesting read.



MR. RAMESH NAYAK
Associate Professor

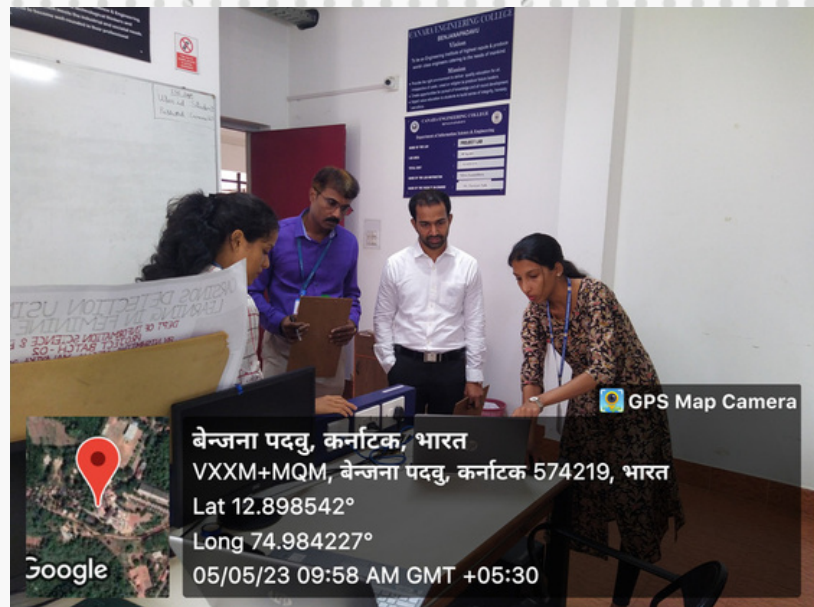
1. WORKSHOP ON REPORT WRITING

The workshop on Report Writing was organized by the Department of Information Science and Engineering. The resource person covered basic ideas about how to write major and minor reports what are the best practices to prepare quality reports. The overall session was very informative and a total of 15 students from ISE Branch were benefited from this workshop.



2. PROJECT EXPO 2023

Project exhibition - 2023 event was organized by Dept of ISE under IIPC. The project Expo was judged by Mr.Hareesh Neerumarga and Mr. Ramesh Nayak. Total number of contestants who had participated is 14 batch. Project titled University Results Extraction and Analysis Tool using Batch Processing won best project award. Runner up was awarded to the project titled Sentiment Analysis Using Machine Learning.



3. TECH PRESENTIA - 23

A state level technical paper presentation “TECH PRESENTIA-23” was organized by department of CSE and ISE on 02-05-2023 at CEC, Benjanapadavu. 57 students from various colleges presented their work. The paper “Classification and Grading of Arecanuts based on IoT & ML Approach” was adjudged as the best paper. The event was chaired by Dr.Sunil Kumar B L, HoD, Dept.of CSE and Dr.Jagadisha N, HoD, Dept.of ISE. Mr. Nischay Kumar Hegde, Asst.Professor, Dept.of CSE, Mr. Vinay P, HoD, Dept.of CBCS, Dr.Ankitha K, HoD, CSD and Mr.Vasant Naik, Asst.Professor, Dept.of ISE were the judges. The event was co-ordinated by Mr.Rakshith M D, Asst.Professor, Dept.of CSE and Mrs.Sowmya K, Asst.Professor, Dept.of CSE.



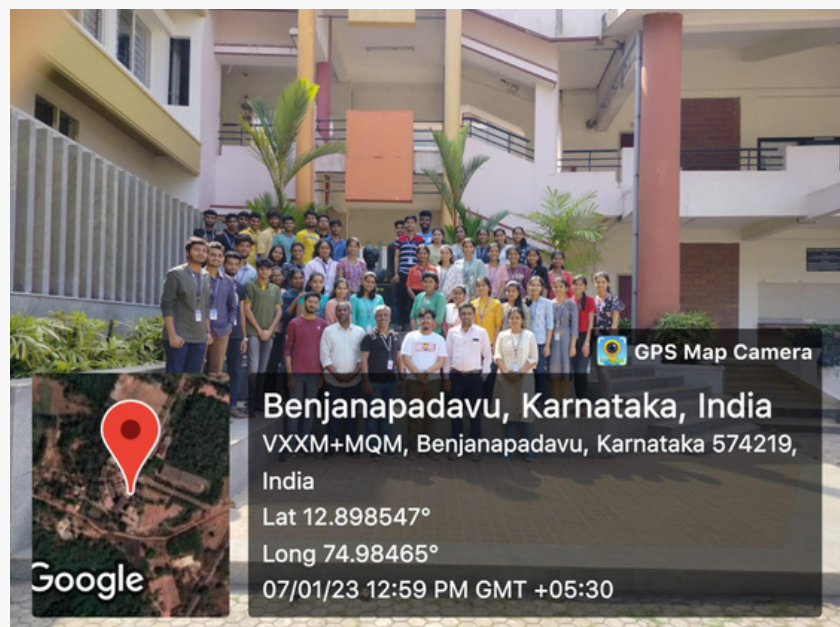
4. WORKSHOP ON EMPLOYABILITY SKILL ENHANCEMENT

The Professional Society of the Department of Information Science and Engineering, organized a workshop on Employability Skill Enhancement for third semester IS&E students on January 21, 2023. Around 46 students participated in the program. Ms. Sambhrama B. R., Developer Associate, SAP Labs, Bangalore, was the resource person. The students learned about quantitative ability, reasoning ability, and logical reasoning. Mr. Ranganatha K. and Mrs. Sadhana B., Assistant Professors, Department of Information Science and Engineering, coordinated the event.



5. A TALK ON PLACEMENT READINESS

A talk on placement readiness was held on Saturday, January 7, 2023, from 10:00 a.m. to 11:30 a.m. under the Professional Society banner. The talk was given by Udbhav U, an associate software engineer at One Trust Privacy Software in Bangalore. This talk was organised for the benefit of second-year ISE students. In the session, around 58 students attended and benefited. Mr. Rananatha K and Mrs. Sadhana B coordinated the event.



SEMESTER TOPPERS

Congratulations! 8th Sem Toppers

 1 MOKSHA H S 4CB19IS030 SGPA: 10	 1 PRATHIKSHA V P 4CB19IS043 SGPA: 10	 2 BHOOMIKA B NAYAK 4CB19IS010 SGPA: 9.83	 2 CHINMAYA S 4CB19IS014 SGPA: 9.83	 2 NISHMITHA P 4CB19IS033 SGPA: 9.83
 2 PRERANA B 4CB19IS045 SGPA: 9.83	 2 VEENA XI PAINGINKAR 4CB19IS059 SGPA: 9.83	 3 ARPITHA SHETTY 4CB19IS007 SGPA: 9.67	 3 CHETHAN KRISHNA S 4CB19IS013 SGPA: 9.67	 3 MALAVIKA A P 4CB19IS028 SGPA: 9.67
 3 MEGHA 4CB19IS029 SGPA: 9.67	 3 NEHA S 4CB19IS032 SGPA: 9.67	 3 POOJA 4CB19IS037 SGPA: 9.67	 3 S SHRADDHA 4CB19IS048 SGPA: 9.67	 3 SURRIYA S 4CB19IS055 SGPA: 9.67

It's always seems *Impossible* till it's done !

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Congratulations! 5th Sem Toppers

 1 Meghashree Kamath 4CB20IS029 5th Sem SGPA: 9.40	 2 Shwetha Prabhu 4CB20IS056 5th Sem SGPA: 9.00	 3 Aneesa D Souza 4CB20IS007 5th Sem SGPA: 8.88
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It always seems *Impossible* till it's done !

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Congratulations! 3rd Semester Toppers!

 2 Sindhoora O 4CB21IS051 SGPA: 9.39	 1 5 SEMESTER TOPPERS Pavitra Udaya Kamat 4CB21IS033 SGPA: 9.78	 3 Amulya Jois 4CB21IS002 SGPA: 9.22
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The roughest roads often lead to the top

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CULTURAL COMMITTEE REPORT

Throughout the academic year 2022-23 (from January 1, 2023, to June 30, 2023), IS&E department's students enthusiastically participated and excelled in a range of cultural events at both the departmental and college levels. The commitment and talents of our students shone brightly, resulting in notable achievements.

At the Aakriti-23 inter-college fest hosted by our institution, a remarkable total of 73 students demonstrated their prowess in various cultural and gaming competitions. Among them, our second-year student Vaibhavi Kamath (4CB21IS063) clinched the 1st prize in Tug of War, while Subhramanya Naik (4CB22IS402) secured the 1st prize in Treasure Hunt. Furthermore, third-year student Aneesha Dsouza (4CB20IS007) secured the 2nd Place in Stratagem, and Mithali Gatty (4CB20IS030) secured the 2nd Place in Just-a-Minute (JAM). Chirag Surendra Honnavarkar (4CB20IS020) displayed exceptional skills by attaining the 2nd Place in the Penalty Shootout competition. In addition, our fourth-year students Ompreeth D R (4CB19IS034) and Harsha Patel (4CB19IS017) stood out by securing the 2nd Prize in the ROD gaming event, while Abhishek B K (4CB19IS001) earned the 1st Place in the Project Expo category.

Within the department itself, a host of cultural events were organized during the farewell day celebration. A total of 58 students actively participated in these events, showcasing their talents and enthusiasm. We applaud the dedication and achievements of our students in various cultural pursuits and extend our heartiest congratulations to all those who contributed to our department's vibrant cultural journey.



REPORT ON COURSERA COURSE

The Department of Information Science and Engineering (IS&E) recommended the entire class of 6th-semester students to undertake the Coursera course "Introduction to Front-End Development." As a result, all 61 students enrolled in the course and received financial aid support. Remarkably, 59 students achieved an exceptional grade of 90% or higher, while the remaining 2 students attained a commendable grade of 80% or more. The collective academic performance reflects the class's dedication and commitment to their studies.

SPOKEN TUTORIAL – TEST ON RDBMS POSTGRESQL

The Department of IS&E, in association with the Spoken Tutorial Project, IIT Bombay, conducted an online test on RDBMS PostgreSQL on June 1, 2023. Among 53 3rd-year IS&E students who participated, 52 students achieved certificates, displaying their proficiency in the database management system. The test aimed to enhance students' knowledge and skills in RDBMS PostgreSQL. By providing a platform for showcasing their abilities, it encouraged active learning and a competitive spirit. Congratulations to all students who earned certificates, showcasing dedication and expertise. The pics below capture moments of students engrossed in the test.



Students Engaged in RDBMS PostgreSQL Test

SUMMARY REPORT OF TRAINING AND PLACEMENT 2022-2023

Department of Information Science and Engineering would like to congratulate all the students for getting placed in various companies for the year 2022-23. Department has achieved 69% of placements for the year 2022-23 with 37 placed out of 54 students and placements are still in progress. Following are details of students placed in top companies with CTC above 5 LPA.

COMPANY	STUDENT NAME	USN	CTC in LPA
CAPILLARY TECHNOLOGIES	KEDAR C PAI	4CB19IS024	17
MAPTELL GEOSYSTEMS PVT. LTD	ROHAN NAYAK K	4CB19IS047	8
CONSLEAGUE CONSULTING LTD	NISHMITHA P	4CB19IS033	6
MAPLE LABS SOLUTIONS PVT LTD	SUDHIR HEGDE	4CB19IS053	6
SASKEN TECHNOLOGIES LTD	DARSHAN PARAMESHWAR HEGDE	4CB19IS015	5
	NEHA S	4CB19IS032	
	PRATHAM	4CB19IS042	
	SATHWIK A M	4CB19IS049	
	SURAJ RAO	4CB19IS056	
	VEENAXI PAINGINKAR	4CB19IS059	



KSCST SACTIONED LIST

Department of Information Science and Engineering would like to congratulate all the students for getting placed in various companies for the year 2022-23. Department has achieved 69% of placements for the year 2022-23 with 37 placed out of 54 students and placements are still in progress. Following are details of students placed in top companies with CTC above 5 LPA.

Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Name of the Funding Agency	Type (Government/ non-Government)
Angayalli Aarogya - An App To Identify And Recommend Medicinal Values In Herbs	Mr. Sathish S Nadig, Ms. Vinoliya Sharline Pinto Ms. Bindu Ms. Jyothishri Ms. Veenaxi Painginkar	Information Science	KSCST	Government

ALUMNI COMMITTEE REPORT

Name of the Alumni	Presentation Topic	Date and Time
Ms. Bhagyashree R Shet	Charting Your Course: Navigating the Job Market	24-6-2023, 10 AM to 11 AM



Ms Bhagyashree addressing 3rd Sem Students in LH 201

SPORTS REPORT

 <p>Moksha H S</p>	<p>Moksha H S (4CB19IS030) Final year ISE, Participated VTU level Throw ball Tournament, held at A J Institute of Technology, Mangalore on 14/04/2023</p>
 <p>Apoorva S Kamath</p>	<p>Apoorva S Kamath (4CB20IS013) and 4CB21IS063 Vaibhavi Kamath K U, 3rd and 2nd year IS&E, Participated VTU Level Athletic Meet, held at VTU Belagavi on 20/05/2023.</p>
 <p>Vaibhavi Kamath K U</p>	

FACULTY SERVED AS REVIEWER FOR INTERNATIONAL JOURNALS

(January 1, 2023, to June 30, 2023)

SI No	Faculty Name	Photo	Journal Name	No of Research Papers Reviewed
1	Mr. Ramesh Nayak		Multimedia Tools and Applications (Springer Journal)	5
			Expert Systems (Wiley Journal)	3
			Neural Computing and Applications (Springer Journal)	1
			Complex & Intelligent Systems (CAIS) (Springer Journal)	1

JOURNAL REPORT OF FACULTY PUBLICATIONS

TITLE OF PAPER	NAME OF THE AUTHOR/S	NAME OF JOURNAL	DATE OF PUBLICATION	ISSN NUMBER
Stock Price Movement Prediction Using Machine Learning	Dr. Jagadisha N	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 3, Issue 2 MARCH 2023	2, March 2023	ISSN (ONLINE) 2581-9429, DOI:10.48175/IJARSCT-8660
Carcinos Detection Using Deep Learning in Feminine Gonads	Mr. Ramesh Nayak	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:03	3, March 2023	E-ISSN: 2582-5208 DOI : HTTPS://WWW.DOI.ORG/ 10.56726/IRJMETS34544
Implementation Of Alzheimer's Disease Using MRI Image	Mr. Vasanth Nayak	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 3, Issue 6	6, April 2023	ISSN (ONLINE) 2581-9429, DOI:10.48175/IJARSCT-9440
University Results Extraction And Analysis Tool Using Batch Processing Implementation System.	Mrs. Geethalaxmi	International Journal Of Advanced In Engineering And Management (IJAEM) Volume 5, Issue 5	5, May 2023	ISSN:2395-5252 DOI: 10.35629/5252-05059497
Prediction Of Cardiac Disorder Using MI Technology	Mrs. Sadhana B	International Journal Of Advanced Research In Science, Communication And Technology (IJARSCT) Volume 3, Issue 2	2, March 2023	ISSN (ONLINE) 2581-9429, DOI:10.48175/IJARSCT-8660
Plant Disease Detection Using Deep Learning And Remedy Suggestion –A Review	Mr. Narayan Naik	International Advanced Research Journal In Science And Engineering And Technology Vol 10, Issue 4	4, April 2023	ISSN: 2393-8021, ISSN:2394-1588 DOI:10.17148/IARJSET.2023.10428
Fake Currency Detection Using Deep Learning.	Mrs. Shilpa B	International Research Journal Of Modernization In Engineering Technology And Science, Volume:05/Issue: 3	3, March 2023	DOI : HTTPS://WWW.DOI.ORG/ 10.56726/IRJMETS34730
Detection Of Heart Dysrhythmia Using EMD	Dr. Jagadisha N	International Research Journal Of Modernization In Engineering Technology And Science, Volume:05/Issue: 3, March-2023	3, March 2023	DOI : HTTPS://WWW.DOI.ORG/ 10.56726/IRJMETS34716
Identification Of Ayurveda Herbs Using Machine Learning	Mr. Satish Nadiga	International Research Journal Of Modernization In Engineering Technology And Science, Volume:05/Issue: 3.	3, March 2023	DOI : HTTPS://WWW.DOI.ORG/ 10.56726/IRJMETS34656
Implementation Of Smart Control Of Traffic Light System Using Artificial Intelligence	Mr. Ajith Kumar B P	International Journal Of Advanced Research In Science, Communication And Technology (IJARSCT) Volume 3, Issue 8.	8, April 2023	ISSN: 2581-9429 DOI:10.48175/IJARSCT-9553
Voice Based Email With Face Authentication	Mrs. Sadhana B	International Journal Of Advanced Research In Science, Communication And Technology (IJARSCT) Volume 3, Issue 2.	2, April 2023	ISSN: 2581-9429 DOI:10.48175/IJARSCT-8651

JOURNAL REPORT OF FACULTY PUBLICATIONS

TITLE OF PAPER	NAME OF THE AUTHOR/S	NAME OF JOURNAL	DATE OF PUBLICATION	ISSN NUMBER
Brain Tumour Detection Using ML	Mr. Sathish Nadiga	International Journal Of Advanced Research In Science, Communication And Technology (IJARSCT) Volume3, Issue 6	6, April 2023	ISSN (ONLINE) 2581-9429 DOI:10.48175/IAJRSCT-9366
Unmasking DeepFake:Using RESNET And LSTM To Detect Deep fake Videos	Mrs. Shilpa B	International Journal Of Advanced Research In Science, Communication And Technology (IJARSCT) Volume3, Issue 1	1, March 2023	ISSN (ONLINE) 2581-9429 DOI:10.48175/IAJRSCT-8639
Detection Of Antibiotic Constituent In Aspergillus Flavus Using Quantum Convolution NN	Mr Ramesh Nayak	Scopus Indexed, Open Access, International Journal Of E-Health And Medical Communications (IJEHMCvol.14, No.1 2023: Pp.1-26)/ Impact Factor 1.42	MAY 2023	DOI: 10.4018/IJEHMC 321150
Classification of medical X-ray images using supervised and unsupervised learning approaches	Dr. Jagadisha N	Indonesian Journal of Electrical Engineering and Computer Science Published by Institute of Advanced Engineering and Science	June 2023	DOI: 10.11591/JEECSV30.I3.PP 1713-1721

BOOKS/BOOK CHAPTERS, CONFERENCE PROCEEDINGS

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	ISBN number of the proceeding	Name of the publisher
Sadhana B, Ajith Kumar BP Shilpa B	Scopus indexed IEEE Conference	An Automated Tool to Identify Rectify and Reproduce Digital Transcript of Dyslexic Students- A review	Computation & Computer Technologies (InCACCT)	2023 International Conference on Advancement in Computation & Computer Technologies	International	10.1109/InCACCT57535.2023.10141819	IEEE
Ms. Sumathi Pawar; Karuna Pandit; Ranjitha Prabhu; Rajalaxmi Samaga; Geethalaxmi	Information science & engineering, CEC, Electronics and communication NMAMIT Nitte	A Machine Learning Approach to Forest Fire Prediction through Environment Parameters	International Conference on Artificial Intelligence and Data Engineering (AIDE)	International Conference on Artificial Intelligence and Data Engineering (AIDE)	International	10.1109/AIDE57180.2022.10059873	IEEE