



# IKSHA The Vision

IS&E NEWS LETTER



## Canara Engineering College

VOLUME 9 ISSUE 2 July-Dec 2022

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### CHIEF EDITOR

Mr. Ramesh Nayak  
Associate Professor  
IS&E Department

### HOD

Dr. Jagadisha N  
Professor & HOD  
IS&E Department

[www.canaraengineering.com](http://www.canaraengineering.com) | Ph: 8792727001 / 8792736001

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.

### VISSION

- To be an Engineering Institute of highest repute and produce world- class engineers catering to the needs of mankind.

### MISSION

- \* Provide the right environment to develop quality education for all, irrespective of caste, creed or religion to produce future leaders.
- \* Create opportunities for pursuit of knowledge and all-round development.
- \* Impart value education to students to build sense of integrity, honesty and ethics.



## HOD MESSAGE

I am happy to note that the **Department of Information Science and Engineering** is releasing its Newsletter for Academic Year. 2022-23 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 10 Issue 1) of the **Department of Information Science and Engineering** 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, I have tried to capture even 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**



## Summary of Technical Training

First technical training was conducted on “**Programming Using Java**” from 22/8/2022 to 27/8/2022 by Mr. Adhiraju Raja, Corporate Trainer, QSpiders Campus Connect, Bengaluru.

Second training is conducted on “**Web Technology**” by Ms. Chitanya V, QSpiders Campus Connect Bengaluru, from 29/8/2022 to 8/9/2022.

Third training was conducted on “**Employability Skill Enhancement Training**” for 7th sem IS&E students from 9th September 2022 to 15th September 2022 (06 days) by Mr. Sandeep Burman and Mr. Ezekiel QSpiders Campus connect Bangalore.

The purpose of the training was to enhance the employability skills of the students and to make them industry ready. The training focused on topics such as communication skills, problem solving, decision-making, time management, leadership skills, team building and other soft skills.

The training was conducted in a very interactive manner with activities like group discussions, role-plays, case studies and presentations. The trainers also provided feedback to the students on their performance during the training sessions. At the end of the training, all the participants were awarded certificates for their successful completion of the program.

Overall, it was a great learning experience for all the students and they gained valuable knowledge, which will help them in their future career prospects.



**Employability Skill Enhancement Training**



**Programming Using Java**



**Web Technology**

## Placement Report

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 55% of placements for the year 2022-23 with 30 placed out of 55 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	

### Technical paper presentation TECH PRESENTIA-22

A state level technical paper presentation TECH PRESENTIA-22 “was organized by department of CSE and ISE, in association with CSI Professional Society, on 14-05-2022 at Canara Engineering College, Bantwal. 60 students from various colleges presented their work. The paper Identification and Classification of Paddy Seeds using Support Vector Machine (SVM) was judged as the best paper. Dr. Ankitha K, Associate Professor, Department of CSE, Mr. Nischay Kumar Hegde, Assistant Professor, Department of CSE, Mr. Ranganatha K, Assistant Professor, Department of ISE, Mrs. Shilpa B , Assistant Professor, Department of ISE and Mrs. Sadhana B , Assistant Professor, Department of ISE were the judges for the event. TECH PRESENTIA 22 was Chaired by Dr. Demian Antony Dmello, Dean Academics and Dr. Jagadisha N, Head, Department of ISE. The Event was Co-ordinated by Mr. Kishor Shivathaya, Assistant Professor, Department of CSE and Mrs. Sadhana B, Assistant Professor, Department of ISE.



State level Technical Paper Presentation



## SELF LEARNING

### 1. SPOKEN TUTORIAL –TEST on Python

The spoken tutorial online test on python was organized by the Department of IS&E in association with the Spoken Tutorial Project, IIT Bombay on Dec 12, 2022 from 9:00 AM to 9:50 AM. A total of 61 students, 3rd year ISE students have taken the test and out of which 52 students obtained the certificate.



Spoken tutorial test-Python

### 2. SPOKEN TUTORIAL –TEST on C

The spoken tutorial online test on C was organized by the department of ISE in association with the Spoken Tutorial Project, IIT Bombay on Jan 7, 2023 from 9:00 AM to 9:50 AM. A total of 61, 2nd year ISE students have taken the test and out of which 42 students obtained the certificate.



Spoken tutorial test -C

## ISE FINAL YEAR STUDENT PAPER PUBLICATION

USN	NAME	TITLE OF THE PAPER	NAME OF THE CONFERENCE / JOURNAL	ISSN
4CB19IS016	GAGAN SALIAN	Stock Price Movement Prediction Using Machine Learning	International Journal of Advanced Research in Science, Communication and Technology (JARSCCT) Volume 2, Issue 2, December 2022	ISSN (Online) 2581-9429
4CB19IS038	PRAJWAL			
4CB19IS039	PRAVEEN			
4CB19IS042	PRATHAM			
4CB19IS033	NISHMITHA. P	Carcinoma Detection Using Deep Learning in Feminine Gonads	International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 359-363 www.ijaem.net	ISSN: 2395-5252
4CB19IS037	POOJA			
4CB19IS028	MALAVIKA A P			
4CB19IS029	MEGHA			
4CB19IS027	MAHENDRA SHETTI	Review of the literature on deep learning methodologies for Alzheimer's disease identification	International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 680-684 www.ijaem.net	ISSN: 2395-5252
4CB19IS002	ADITHYA NAYAK			
4CB19IS022	KARTHIK NAYAK			
4CB19IS054	SUJITH SHRIDHAR NAIK			
4CB19IS024	KEDAR C PAI	University Results Extraction and Analysis Tool using Batch Processing	International Journal of Advances in Engineering and Management (IJAEM) Volume 1, Issue 1, pp: 0405 www.ijaem.net	ISSN: 2395-5252
4CB19IS047	ROHAN NAYAK K			
4CB19IS057	SURYANARAYAN BHAT			
4CB19IS051	SINDHU S BADAL			
4CB19IS019	JEEVAN LINGARAJ NAIK	A survey on heart disease prediction and detection Using ML Approach	International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 733-737 www.ijaem.net	ISSN: 2395-5252
4CB19IS005	ANKITH PRABHU			
4CB19IS052	SOHAN S.			
4CB19IS040	PRADEEP B			
4CB19IS023	KAVITA SATISH KAMATH	A Review on Deep Learning for Plant Disease Prediction and Fertilizer Recommendation	International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 439-443 www.ijaem.net	ISSN: 2395-5252
4CB19IS007	ARPITA SHETTY			
4CB19IS035	P D MEDHINI			
4CB19IS043	PRATHIKSHA V P			
4CB19IS025	KRISHNAMURTHY PAI	Product Reviews Using Machine Learning	International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 829-833 www.ijaem.net	ISSN: 2395-5252
4CB19IS053	SUDHIR HEGDE K			
4CB19IS031	NAKUL SHET			
4CB19IS012	CHAITANYA KINI			
4CB19IS032	NEHA S	Fake Currency Detection Using Machine Learning	International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 637-641 www.ijaem.net	ISSN: 2395-5252
4CB19IS004	ANANYA U			
4CB19IS045	PRERANA B			
4CB19IS009	ASHWINI P H			
4CB19IS055	SUPRIYA.S	A Review on Deep Learning for Plant Disease Prediction and Fertilizer Recommendation	International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 439-443 www.ijaem.net	ISSN: 2395-5252
4CB19IS030	MOKSHA.H.S			
4CB19IS010	BHOOMIKA B NAYAK			
4CB19IS048	SHRADHA			

## IS&E FINAL YEAR STUDENT PAPER PUBLICATION

4CB19IS060	VINOLIYA SHARLINE PINTO	Identification of Ayurveda Herbs Using Machine Learning	International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 518523 www.ijaem.net	ISSN: 2395-5252
4CB19IS059	VEENAXI PAINGINKAR			
4CB19IS011	BINDU			
4CB19IS021	JYOTHISHRI			
4CB19IS044	PRATHVIK RAIKAR	A Survey of Smart Control of Traffic Light System using Artificial Intelligence	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 2, December 2022	ISSN (Online) 2581-9429
4CB19IS044	HARSHA PATEL			
4CB19IS034	OMPREEETH D R			
4CB19IS015	DARSHAN PARAMESHWAR HEGDE	Voice Based Email with Face Authentication	International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 557561 www.ijaem.net	ISSN: 2395-5252
4CB19IS050	SHRIVATHSA			
4CB19IS013	CHETHAN KRISHNA S			
4CB19IS014	CHINMAYA S			
4CB19IS026	LIKHITH KUMAR U M	Brain Tumor Detection using Machine Learning	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 2, December 2022	ISSN (Online) 2581-9429
4CB19IS058	SUSHANTH D U			
4CB19IS020	JITHESH			
4CB19IS056	SURAJ RAO			
4CB19IS049	SATHWIK A M	A Survey on Identification of Deepfake Videos using Artificial Intelligence	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 2, December 2022	ISSN (Online) 2581-9429
4CB19IS018	HEMANTH BHAT			
4CB19IS006	ANUSH KAMATH			
4CB19IS001	ABHISHEK B K			



## Alumni Committee Report

### 1) Alumni interaction with third year students:

**Ms. Sambrama B R** (2020 batch student, placed in SAP as “Full Stack Developer) focused on topics such as Python and Java programming languages, DBMS, aptitude and technical round preparation, and the importance of these skills in the industry. She gave guidance and tips on how to prepare for aptitude and technical round interviews. Through her interaction, she was able to provide the students with valuable insights into the industry, which will help them in future job searches.

### 2) Alumni interaction with second year students:

**Mr. Mohitraj B J** graduated in the year of 2020 from ISE department with job offer of SAP Lab INDIA. He is currently working as Full stack developer in SAP Lab. Mr. Mohitraj addressed the second-year ISE. In response to the student's query about course certification, Mr. Mohitraj B J advised that certifications are important in the industry and it will help the students to showcase their skills in the particular domain. He also mentioned that certifications can help to demonstrate the knowledge and skills learnt in the course to the prospective employers. He said that certification may not be necessary for every job but it will give an edge to the students while competing with others. Additionally, he mentioned that he had been able to secure his job offer with a 5.0 GPA, however, he recommended that the students should make sure they are well-prepared for the aptitude and technical rounds of the interview. He also suggested that the students should take up online courses and do some online research in order to be well-versed with the technical knowledge and aptitude required for the job. He also suggested that the students should keep themselves updated with the industry trends and work on their soft skills in order to stand out from the crowd.

### 3) Alumni interaction with second year students:

**Mr. Anish Krishna** graduated in the year of 2020 from ISE department. He is currently working as system engineer in an Infosys, Mysore. He addressed the final year ISE students. Mr. Anish Krishna emphasized that Python and SQL are the two key programming languages for technical interviews. He advised the students to focus on mastering these two languages as much as possible in order to increase their chances of getting placed in a good company. He also outlined the importance of being prepared for the technical interview process and having good communication skills. He encouraged the students to put in the effort to practice and hone their skills so that they can make the most of their job opportunities.



Ms. Sambrama B R, interacting with 5th sem students.



Mr. Anish Krishna addressing final year students



Mr. Mohitraj B J addressing second year ISE students.

## Cultural Committee Report

Department Cultural Committee organized “Branch Entry Program” for second year students on 17th November 2022 at 3:00pm in AC Seminar Hall.

The program begins with the formal function. Ms. Kavitha Kamath (4th Year Student) welcomed all the juniors and dignitaries on and off the Dias. Mr. Mahesh and team started the program by prayer song. Ms. Medhini (4th Year Student) described about the department, faculty, facility, training and placement given brief insight on overall growth of the student.

The program began with a formal function, with Ms. Kavitha Kamath, a 4th-year student, welcoming all the juniors and the dignitaries. Mr. Mahesh and his team then started the program with a prayer song. Ms. Medhini, gave a brief insight into the department and its facilities, training, and placement.

Dr. Jagadisha N (HOD) addressed the students regarding department level information. Mr. Ramesh Nayak (Associate Professor) addressed the students regarding final year student's achievement, and placement statistics. Final year student Ms. Sindhu Badal sign off the program with vote of thanks. The overall program MC is done by Mr. Sudheer Hegde. The overall program was coordinated by Mr. Ranganatha K Cultural Coordinator. Program comes to an end at 4:30pm.



## Professional Society

### 1. Workshop on IOT and Its Applications

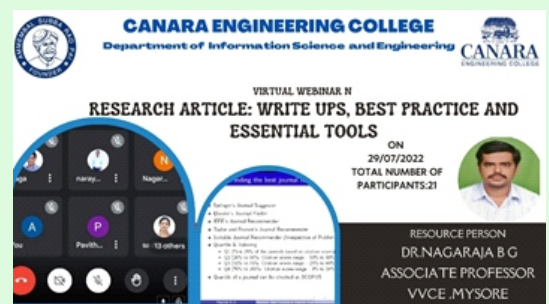
The Workshop on IOT and Its Applications was organised by the Department of ISE in association with the CSI chapter on 04/07/2022. The session covered an introduction to IoT, including demonstrations and hands-on experience of some IOT applications. A total of 39 students participated in the workshop.



Workshop on IoT

### 2. Webinar session on "Research Article: Write Ups, Best Practices, and Essential Tools"

The webinar session on "Research Article: Write Ups, Best Practices, and Essential Tools" was organized by the Department of Information Science and Engineering. The resource person covered basic ideas about how to write research articles, what are the best practices to prepare quality papers, usage of Scopus citations for the published papers, how to identify the best journals for submission, and how to avoid rejections. The overall session was very informative and a total of 21 faculty from different branches participated in this webinar and benefited.



Webinar Session

### 3. Project exhibition - 2022

Project exhibition - 2022 event was organized by Dept of ISE under CSI chapter. The project Expo was judged by Mr. Ramesh Nayak and Mr. Ranganath Kulkarni. Total number of contestants who had participated is 20. Project titled "GPS based vulnerable child tracking system" won best project award.



Project Exhibition - 2022

### 4. Workshop on "Technical Paper Preparation"

Professional Society committee of Information Science and Engineering Branch conducted workshop on "Technical Paper Preparation" from 30-11-2022 to 1-12-2022. IS&E Faculty members Mr. Ramesh Nayak and Mrs. Sadhana B conducted the workshop for seventh semester students. Mr. Ramesh Nayak, spoke about Goals, Purpose, Characteristics, Steps of Literature review, planning, etc. He also demonstrated the drafting of the "Literature Review paper" to students. Mrs. Sadhana explained about plagiarism and demonstrated journal templates. Students prepared their project literature review. Shortly, these papers will be published in journals/conferences. Sevent semester 55 students were benefited from the workshop. Dr. Jagadisha N. Professor & HOD, IS&E coordinated the event.



Workshop on Technical Paper Preparation

## Sports

**Ms. Anjana** (4CB20IS009) and **Ms. Deekshitha Shetty** (4CB20IS021) 3<sup>rd</sup> year ISE (sitting first-left side & standing - third from left ), participated in VTU Level Mangalore Zone Inter Collegiate Kabaddi Tournament, held on 28<sup>th</sup> and 29<sup>th</sup> November 2022 at Government College Kushalnagara.



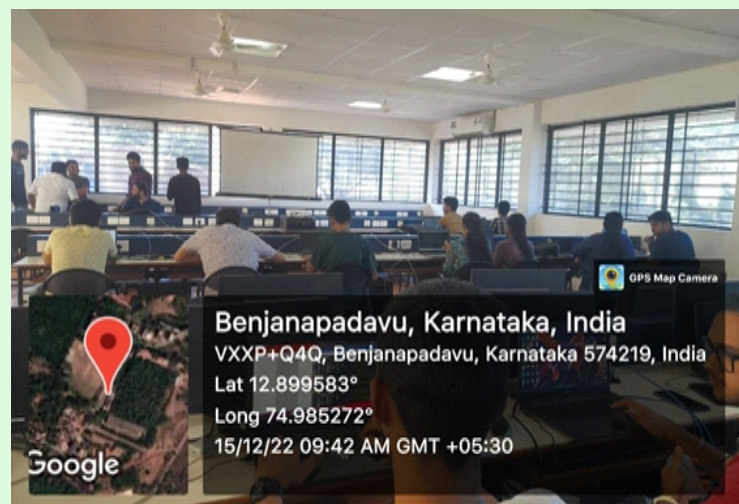
**Ms. Anjana and Ms. Deekshitha Shetty**, both 3<sup>rd</sup> year ISE students have won the 1<sup>st</sup> runner up prize in Girls Kabaddi Team at the UG Inter Collegiate Tournament held at Manel Srinivas Nayak Institute of Management, Bondel, Mangalore, on 20<sup>th</sup> January 2023. Ms. Anjana was sitting third from right to left, and Ms. Deekshitha Shetty was standing first from right. Both of them played with a lot of passion and determination and emerged victorious, making their college proud.

## Industry Institute Partnership Activity

A Hands-on workshop series 1, 2 and 3 on “Understanding Analytics and Role of ML using Micro services” is held on 22.8.2022, 26.9.2022 and 15.12.2022 in CEC campus by Unicourt India (Mangalore InfoTech Pvt. Ltd). More than 60 students have participated in the event and some students were shortlisted for placements, based on performance during workshop.



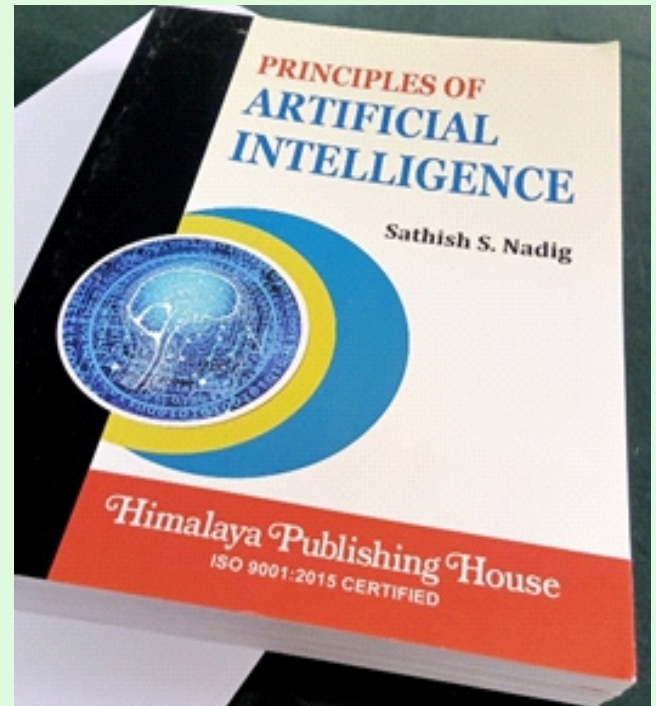
Unicort Workshop held on 26.9.2022



Unicort Workshop held on 15.12.2022

## Faculty Achievement

**Mr. Sathish S Nadig**, Assistant Professor authored a book “**Principles of Artificial Intelligence**”. This book has been published by Himalaya Publishing House Mumbai. The book is designed for the curriculum requirements of 5<sup>th</sup> Semester AIML Engineering branch of Visvesvaraya Technological University and Bombay University.



**Mr. Vasanth Nayak** Assistant Professor Department of Information Science and Engineering has completed 12 week faculty development program course in “Programming in Java” offered by IIT Kharagpur with Elite-Gold Badge and secured place in top 5%.



**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**VASANTH NAYAK**  
for successfully completing the course  
**Programming in Java**  
with a consolidated score of **91** %

Online Assignments	24.78/25	Programming Assignment	25/25	Proctored Exam	41/50
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Total number of candidates certified in this course: **6899**

Jul-Oct 2022  
(12 week course)



Prof. Debjani Chakraborty  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL22CS102563960332 To validate the certificate No. of credits recommended: 3 or 4

## Faculty served as Reviewer for International Journals

SI No	Faculty Name	Photo	Review Month & Year	Journal / Conference	No of papers reviewed
1	Dr. Jagadisha N		Sept 2022	International Journal	1
2	Ramesh Nayak		Sept, Oct, Nov, Dec 2022	International Journal	12

**Journal Names:** International Journal of Technology, Multimedia Tools and Applications (Springer), Expert Systems(Wiley), Neural Computing and Applications(Springer), Future Generation Computer Systems(ScienceDirect), etc.