

# SRUSHTI

NEWSLETTER

## INSIDE This Issue

Project Expo  
**2024**

Talk on Engineering  
A Career for My Life

## ACADEMIC DISTINCTION

Exploring the  
Pathways of Minor  
and Honors Degrees

Excellence in  
Academics  
**SREELAKSHMI**  
**CGPA : 9.5**



**CANARA**  
ENGINEERING COLLEGE

SUDHINDRA NAGAR,  
BENJANAPADAVU,  
BANTWAL, MANGALORE,  
INDIA - 574219



## EDITORIAL

### Chief Editor

**Dr. Nagesh H R**

Principal

### Dr. Sunil Kumar B L

Associate Prof. & HOD Dept. of CSE

### Dr. Demian Antony D'Mello

Professor & Dean Academics

### Mr. Rakshith M D

Chairman

Assistant prof. Dept. of CSE

## STUDENT MEMBERS

**Giridhar Kini**

**Preethi**

**Rakshitha H D**

**Rajath**

**Rachana Pai**

**Neha Shet**

**Kshama Bhaktha**

**Chaithra S**



To be recognized as a center of knowledge dissemination in Computer Science and Engineering by imparting value-added education to transform budding minds into competent computer professionals.



Provide a value-based learning environment enriched with ethics, honesty and integrity that equips students to cater to the needs of society and industry.



Augment the knowledge of students towards cutting-edge technologies and state-of-the-art tools of Computer Science & Engineering.



Create opportunities for all-round development of students through co-curricular and extra-curricular activities.



Promote research, innovation and development activities in the field of Computer Science among staff and students without any bias.



# DEPARTMENT PROFILE

The department was started in the year 2001 to offer under graduate degree programme i.e Bachelor of Engineering (BE) in Computer Science & Engineering (CS&E). The department also offers post graduate programme in engineering i.e. MTech in Computer Science Engineering (CS&E) since 2011. The department has dedicated, qualified and experienced faculty members to guide the students in academics. The faculty members are actively involved in teaching, product development and research. The faculty members have published number of research and review papers/articles in referred International journals and reputed International conferences which are archived at IEEE/ACM/Springer and other renowned digital libraries.

The department frequently organizes training programmes for the faculty, technical staff and students. The faculty frequently attends staff development programmes (SDP/FDP/Seminar) to update themselves in technological advancements and conferences to present research findings. The department aims at building the students' career by placing special emphasis on all-round development through continuous interaction with Industry.

Interactive sessions with experts from academia, research laboratories and industry are constantly held so as to enable students to gain knowledge on diverse and emerging fields. The campus placement has been scaling higher and higher peaks right from its inception with multinational companies recruiting students in large numbers. To increase the opportunity of placements to students, the department conducts soft skills training programmes, technical skill development activities and initiatives on self-learning (Spoken Tutorial programmes by IIT Bombay).

The department promotes extracurricular activities under the umbrella of the students' association & SPECS. The department brings out Annual technical magazine and newsletter which provides an opportunity for the students and staff to publish innovative ideas, programming tips and articles on current trends in computing and technology. The students' association and National Service Scheme (NSS) wing frequently conducts various programmes to strengthen leadership skills, teamwork and communication; and awareness on protection of environment and social responsibilities.



# PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- Graduates will work productively as computer science engineers exhibiting ethical qualities and leadership roles in multi-disciplinary teams.
- Graduates will adapt to the changing technologies, tools and societal requirements.
- Graduates will design and deploy software that meets the needs of individuals and the industries
- Graduates will take up higher education and/or be associated with the field so that they can keep themselves abreast of Research & Development

## PROGRAMME OUTCOMES (PO)

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

**Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

**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.

**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.

**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.

**Modern tool usage:** Select/Create and apply appropriate techniques, resources and modern engineering and IT tools, including prediction and modelling to complex engineering activities, taking comprehensive cognizance of their limitations.

**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.

**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.

**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the relevant scientific and/or engineering practices.

**Individual and team work:** Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.

**Communication:** Communicate effectively on complex engineering activities with the engineering community and with the 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.

**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 multidisciplinary environments.

**Life-long learning:** Recognize the need for and above have the preparation and ability to engage in independent and life-long learning in the broadcast context of technological changes.

## PROGRAMME SPECIFIC OUTCOMES (PSO)

**Computer System Components:** Apply the principles of computer system software engineering to design, develop and deploy computer subsystems.

**Intelligent Internet Applications:** Apply the knowledge of data storage, analytics and internet architecture in designing Internet based application.





## HOD'S MESSAGE

**DR. SUNIL KUMAR B L**  
Associate Professor & HOD

I express my sincere gratitude to the Principal of CEC Dr. Nagesh H R, for his continuous support and encouragement to the Department of Computer Science and Engineering (CSE). I on behalf of the entire department, I present this newsletter Volume 12, Issue 1. The major strength of the CSE department is a team of well qualified and dedicated faculty, who are continuously supporting the students for their academic excellence, cultural activities, co-curricular activities and sports. The future graduates of our department are ready to serve the industry and the nation. I am sure, this newsletter will act as a bridge between our students, faculty members, alumni and other educational institutions to reciprocate information and ideas for shaping our future journey. I sincerely thank all the faculty and staff members of the department and the students for their contributions to bring this newsletter to life.



## EDITOR'S MESSAGE

**RAKSHITH M D**  
Assistant Professor

It gives me immense pleasure that I was given the opportunity to prepare the Volume 12 Issue 1 of the CS&E Department Newsletter. As we all know, a newsletter mirrors a department's vision and mission. It also highlights events, activities and academic progress and achievements of both faculty and students. I hope that the newsletter encourages students to participate in Co-curricular and Extracurricular activities organized by our college and other institutions. Also the newsletter acts as a platform to motivate faculty members to publish research papers, take up online courses and participate in Faculty Development Programmes (FDPs) to improve their technical skills.

## NEW FACES OF CSE FAMILY



**Dr. Udaya Kumar K Shenoy**  
Professor



**Dr. Gurudeva Shastri H**  
Associate Professor

## STAFF ACHIEVEMENTS

### PhD Awarded



**Dr. Nagesh Shenoy H** was awarded a PhD degree for the thesis titled **"Secure Cloud Data Access in Multi-Cloud Systems using Inter-Server Communication Authentication and Enhanced Cryptographic Scheme"** by Visvesvaraya Technological University, Belagavi.

### WORKSHOP / WEBINAR ATTENDED



**Rakshith M D** attended an Online FDP on **"Programming Essentials in Python"** organized by ICT Academy from 21st to 25th May 2024, and a Three-Day Online FDP on **"Citation and Reference**

**Management for Scholarly Writing using Mendeley"** organized by NSB, Bangalore from 26th to 28th February 2024.



**Vinay P** has participated in One Week Online National Faculty Development Program on **"Data Visualization Using Tableau"** organized by Dept. of Computer Science and Engineering, Mohan Babu University, Tirupati, Andhra

Pradesh & EXCEL R EDTECH Pvt. Ltd. from 1st to 5th April, 2024.



**Sukshma Shetty** has participated in Five days FDP on **"Emerging Trends in Full Stack Development"** organized by Dept. of Computer Science and Engineering, HKBKCE in association with ISTE from 15th to 19th April 2024.

**Pavithra D S** attended Three days FDP on **"Artificial Intelligence & its Applications"** at SJCIT, Chickballapur from 6th to 8th May 2024.



## NPTEL ONLINE COURSE



**Ms. Namita A Amdalli** completed the NPTEL Course on **Data Analytics with Python** with Elite+Silver during Jan-Apr 2024 and the NPTEL Course on **Research Methodology** with Elite +Silver during Feb-Apr 2024, both organized by IIT Madras.



**Mr. Shatananda Bhat P** completed the NPTEL Course on **Data Analytics with Python** with Elite during Jan-Apr 2024 and the NPTEL Course on **Research Methodology** with Elite during Feb-Apr 2024, both organized by IIT Madras.



**Mr. Alok Ranjan** completed the NPTEL Course on **Data Analytics with Python** with Elite during Jan-Apr 2024 and the NPTEL Course on **Research Methodology** with Elite during Feb-Apr 2024, both organized by IIT Madras.

**Mr. Rajgopal K T** completed the NPTEL Course on **Data Analytics with Python** with Elite during Jan-Apr 2024 and the NPTEL Course on **Research Methodology** with Elite during Feb-Apr 2024, both organized by IIT Madras.



**Ms. Saritha M** completed the NPTEL Course on **Data Analytics with Python** with Elite during Jan-Apr 2024 and the NPTEL Course on **Research Methodology** with Elite during Feb-Apr 2024, both organized by IIT Madras.



## PAPER PUBLISHED/ PRESENTED IN JOURNALS/ BOOK CHAPTERS/CONFERENCES



**Rakshith M D**, Harish H. Kenchannavar published a paper titled “**Hybrid Deep Optimal Network for Recognizing Emotions Using Facial Expressions at Real Time**”, International Journal of Intelligent Systems and Applications (**IJISA**), Vol.16, No.3, pp.47-58, June 2024.  
DOI:10.5815/ijisa.2024.03.04.



**Sukshma Shetty** published a paper titled “**DynaTests: Tailored Tests and Progress Insights**” in International Journal of Advanced Research in Science, Communication and Technology (**IJARST**), Volume 4 , Issue 5, April 2024.



**Pavithra D S**, Shrishail Math published a paper titled “**Ataxia person prediction using Feature Optimized based on Machine Learning Model**”, in International Journal of Electrical and Computer Engineering (**IJECE**), Vol.14, No.2. pp. 2100-2109, April 2024.





**Dr. Sunil Kumar B L** published a paper titled **"Handwritten Character Recognition of Kannada Language using Convolutional Neural Networks"** in International Journal of Advanced Research in Computer and Communication Engineering (**IJARCC**E), Volume 13, Issue 5, May 2024.

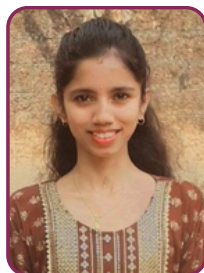


**Sukshma Shetty** presented a paper titled **"Corn Care: Plant Disease Defender"** in Hinweis Second International Conference on Advances in Information, Telecommunication and Computing, **AITC-2024** on 27th April 2024.

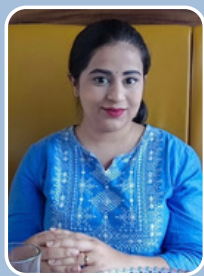
## STUDENT ACHIEVEMENTS



Chinmaya B Shetty, Ishan Pawar, Varadraj Kamath, Divya D Shet, Kshama Bhaktha, Adarsh Shenoy & Nagaraja Thamankar from 8th semester CSE 'A' section has participated at the **National Conference on Digital Technology & Engineering(NCDTE)** organized by RV Institute of Technology and Management, Bengaluru on 2nd & 3rd May 2024.



Trupthi Shettigar, Zion Venus, Sanjana Anchan from 8th semester CSE 'B' section has participated at the **National Conference on Digital Technology & Engineering(NCDTE)** organized by RV Institute of Technology and Management, Bengaluru on 2nd & 3rd May 2024.



Swarna Kamath, Ranjita Mallya, Nidhi S K, Goutham & Pratham Bhandary from 8th semester has participated in the event **Paper Presentation IT** during **Envision 2K24-A National Level Techno Cultural Fest** held on 2nd & 3rd May 2024 at SIT, Valachil.



Ahalya Hebbar Nagarmatt, Ananya M, Anusha V Nayak & Anvitha Chandra from 8th semester CSE 'A' section has presented a paper titled **"Indian Traffic Sign Recognition & Captioning : A CNN based Approach to Enhanced Road Safety"**, during the **JnanaSangama-2024, National Level Student Conference** held on 3rd May 2024, hosted by Vivekananda College of Engineering & Technology, Puttur.



Srijana, Sreelakshmi B, Sunaina Pai & Sneha from 8th semester CSE 'B' section has secured **second place** in presenting the paper titled **"Disease Detection in Cow using Deep Learning"**, during the **JnanaSangama-2024, National Level Student Conference** held on 3rd May 2024, hosted by Vivekananda College of Engineering & Technology, Puttur.



Praharsh from 6th semester CSE 'B' section has secured **first place** in the event **Bahubali-The Code Begins** during **Envision-2K24: A National Level Techno Cultural Fest**, organized by Srinivas Institute of Technology, Valachil, Mangaluru

Praharsh from 6th semester CSE 'B' section has secured **second place** in the event **Coders of Caribbean** during **Envision-2K24: A National Level Techno Cultural Fest**, organized by Srinivas Institute of Technology, Valachil, Mangaluru on 2nd and 3rd May 2024 .



Sakshath Rai K, Shreekar Shenoy, Kunal Sachin from 6th semester CSE has been awarded with **Certificate of Achievement** for developing highly competitive and



innovative solution that was demonstrated in the awards round of the **Dark Patterns Buster Hackathon (DPBH – 2023)** on 15th March 2024.

Mr. Vinayak Bhat, Ms. Ananya Bhat, Ms. Kruthi Suvarna and Ms. Chaitra S published a paper titled **"Handwritten Character Recognition of Kannada Language using Convolutional Neural Networks"** in International Journal of Advanced Research in Computer and Communication Engineering (**IJARCCE**), Volume 13, Issue 5, May 2024.



Mr. Sheikh Fahan, Ms. Poonam Shetiya, Mr. Satvik Shetty and Ms. Shreya Kharvi published a paper titled **"DynaTests: Tailored Tests and Progress Insights"** in International Journal of Advanced Research in Science, Communication and Technology (**IJARSCCT**), Volume 4 , Issue 5, April 2024.



# 25th VTU Inter-Collegiate State level Athletic Meet 2023-2024

## Bronze Medal



Mr. Chirag Manohar Rai from Second year CSE has secured **Third place(Bronze Medal)** in Discus throw, held at VTU Regional center, Mysore on 27/06/2024.



## Silver Medal



Mr. Chirayu Manohar Rai from second year CSE has secured **Second place(Silver Medal)** in shotput, held at VTU Regional center, Mysore on 28/06/2024.



## Gold Medal



Ms. Shravya V. Shetty from first year CSE has secured **First place(Gold Medal)** in the Hammer Throw, held at VTU Regional center, Mysore on 29/06/2024.



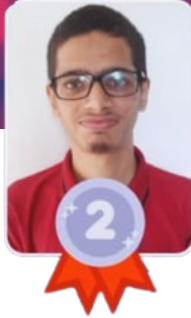


# 3rd Sem Toppers



**Dhanya Gajanan Prabhu**

SGPA : 9.67



**Hejamadi Sumith Shenoy**

SGPA : 9.52



**Deepika Devaru Gouda**

SGPA : 9.52



**Pranamya P**

SGPA : 9.48

# 5th Sem Toppers



**Shraddha K**

SGPA : 9.39



**Trayee Shridhar Nayak**

SGPA : 9.28



**Sania Shetty**

SGPA : 8.94

# Toppers for the Graduate Batch 2023-24



**SREELAKSHMI**  
CGPA : 9.5



**K V VAISHNAVI NAYAK**  
CGPA : 9.26



**SHREELAXMI**  
CGPA : 9.09



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY FUNDED PROJECTS

## 1 Location - Based Mobile configuring System



P.No: 47S\_BE\_0227



P.No: 47S\_BE\_0203

## VirtuDine:Discover Nutrient Rich Flavors through Pixels using Augmented Reality

## 3 CORNCARE : Plant Disease Defender



P.No: 47S\_BE\_0194





## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY FUNDED PROJECTS

### 4 Smart Toll Collection System using GPS and Geofencing



P.No: 47S\_BE\_0197



P.No: 47S\_BE\_0239

### 5 A Blockchain - Based Counterfeit Product Identification System

### SMART CORP - A Local Crop Recommendation System using Machine Learning for Dakshina Kannada Region



P.No: 47S\_BE\_0242



# WORKSHOP/PAPER PRESENTATION/ SEMINAR CONDUCTED

## A Session on Social Etiquette and Study Techniques



The Department of Computer Science and Engineering organized a session on “Social Etiquette and Study Techniques” for 3rd semester students on 10th Jan 2024. Ms. Sandhya P, Counsellor, was the resource person. Topics discussed were: importance of Social Etiquette and Study Techniques in life, how does Social Etiquette help in building lifelong relationships and getting opportunities, Do's and Don't's of Social Etiquette. Some of the effective study strategies were discussed. The session was coordinated by Mrs. Annapurna M. About 57 students participated in the event.

## Project Expo on Full Stack Technovation

The Department of Computer Science and Engineering organized Project Expo on “Full stack Technovation” for 5th semester CSE students on 17th January 2024 in the Skill Lab. The Project Expo showcased innovative solutions that seamlessly integrate front-end and back-end technologies to deliver robust and user-friendly applications. Focused on the latest tools and frameworks to create dynamic, responsive, and feature-rich platforms. Total 137 students participated in the project expo with a group of 4 members in a team. The event was judged by Dr. Jagadisha N., HOD, Dept. of ISE and Dr. H. Manoj T Gadiyar, HOD, Dept. of CSBS. The event was coordinated by Mr. Rajgopal K.T and Ms. Saritha Suvarna, Asst. Professors, Dept. of CS&E.

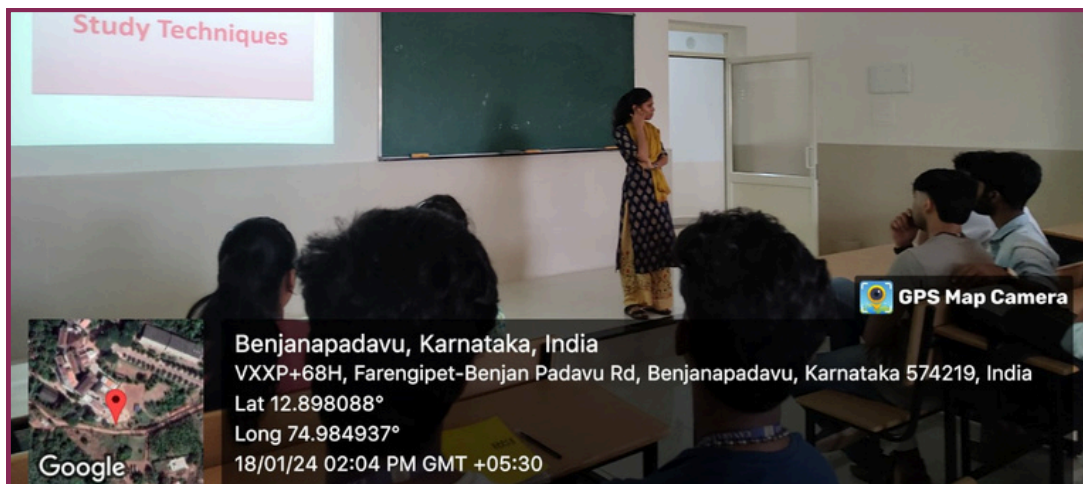


## Talk on Study Techniques

The Department of Computer Science and Engineering organized a talk on “Study Techniques” for 3rd semester ‘A’ section students on 17th January 2024. Ms. Sandhya P, Counsellor, was the resource person. Topics discussed were: creating time table, following time table, how to utilize time. She also motivated students to inculcate the study techniques in their day to day life. About 46 students attended the session. The event was coordinated by Ms. Sukshma Shetty, Asst. Professor, Dept. of CS&E.



## Talk on Unlocking your learning potential: Discover your style, Enhance your memory



The Department of Computer Science and Engineering organized a talk on “Unlocking your learning potential: Discover your style, Enhance your memory”, for 5th semester ‘B’ section students on 18th January 2024. Ms. Sandhya P, Counsellor, was the resource person. Topics discussed were understanding your unique style of learning whether visual, auditory, or kinesthetic. Tailoring your study methods to match your style. Different ways to enhance memory retention and maximize comprehension. Experiment with various techniques to discover what works best for individual. She also discussed about some key techniques to improve concentration skills. About 63 students attended the session. The event was coordinated by Mrs. Saritha M.



## Talk on Engineering: A Career for My Life

The Department of Computer Science and Engineering organized a Talk on “Engineering: A Career for My Life” for 3rd semester students on 7th February 2024. Dr. Uday Kumar Shenoy, Dean, Research and Development, was the resource person. Topics discussed were: importance of setting goals in life; completeness/fullness, acquiring knowledge; commitment and dedication in work; and the importance of innovation and creativity. The stages of project development, like design, implementation, and testing, were discussed. He also motivated students to carry out real-time projects that solve problems in society by giving real-time examples. About 84 students attended the session.

Dr. Sunil Kumar B. L., HOD, Department of CSE, was present during the session. The event was coordinated by Mr. Rakshith M. D.



## Talk on Unlocking your learning potential: Discover your style, Enhance your memory



The Department of Computer Science and Engineering organized a talk on “Unlocking your learning potential: Discover your style, Enhance your memory”, for 5th semester ‘A’ section students on 13th February 2024. Ms. Sandhya P, Counsellor, was the resource person. Topics discussed were understanding your unique style of learning whether visual, auditory, or kinesthetic. Tailoring your study methods to match your style. Different ways to enhance memory retention and maximize comprehension. Experiment with various techniques to discover what works best for individual. She also discussed about some key techniques to improve concentration skills. About 60 students attended the session. The event was coordinated by Mrs. Aruna Kumari G K.



# CODEFEST

The Department of Computer Science and Engineering, in association with Coding club organized the technical event 'Codefest' for the 2nd year CSE students on 14th February 2024 in CSE labs. The event was conducted with the objective of making students to assess their ability to analyze problems, devise efficient algorithms and implement solutions within time constraints. Students with enthusiasm exhibited their problem-solving skills to derive solutions for different problems in the field of computer science and engineering. About 52 students participated in the event. Mrs. Sukshma Shetty, Assistant Professor, Department of CSE, was the faculty coordinator of the event. Winners of the event were: Sumith Shenoy, Bangera Paveen & Abheeshta P.



## Project to Conference Paper

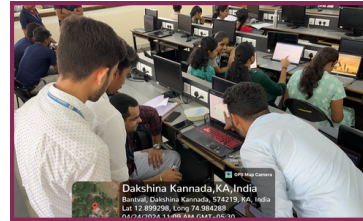
Department of CSE organized a hands on session on Project to Conference Paper for VIII semester students on 03/04/2024 in Skill Lab. Prof. Babitha Ganesh Kulal, Assistant Professor, Department of CSE, CEC, Benjanapadavu was the resource person. Topics discussed were Basics of Conference Presentation, Processes involved in Conference Publication, Guidelines to prepare conference articles. The session further extended by reviewing draft articles prepared by individual teams and also provided comprehensive suggestions to refine their articles. About 82 students attended the session. The event was coordinated by Mr. Janardhana Bhat K. We thank Principal, Vice Principal, HoD of CSE department for their constant support and encouragement.





# PROJECT EXPO-24

Department of CSE organized a "Project Expo-24" event for 8th semester students on 24th April 2024. In this event 33 project teams exhibited their project work. These Project works were evaluated by Mr. Lohith B, Project Manager, Novigo Solutions Pvt. Ltd, Mangaluru. Prof. Aravind Naik, Assistant Professor, SIT, Mangaluru, Dr. Usha GR, Associate Professor, Dept. of ISE, CEC, Benjanapadavu, Prof. Alok Ranjan, Prof. Rajgopal K T and Prof. Siju V Soman Assistant Professors, CEC. The project works were well appreciated by the Judges.



Three project teams  
Ms. Kshama Bhaktha and Team,  
Mr. Harikishan M and Team,  
Ms. Amulya Kamath and Team  
were awarded as best projects.

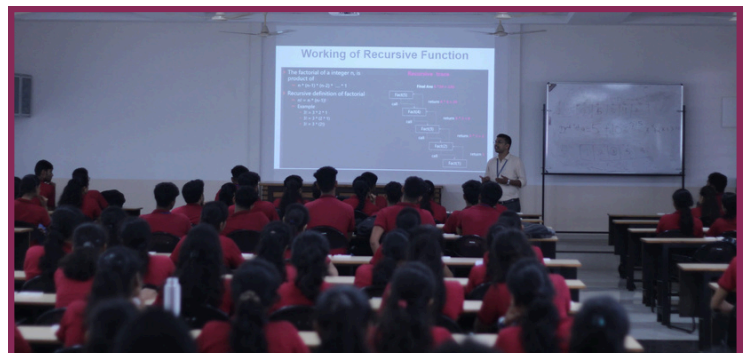
The event was coordinated by Prof. Babitha Ganesh Kulal, Assistant Professor, and Mr. Janardhana Bhat K, Assistant Professor, Department of CSE, CEC, Benjanapadavu.

## Sessions on Problem Solving Methods

### SESSION-1

A Session on Problem Solving Methods was organized by CSE Department in association with Coding Club on 22/05/2024, from 2.00 pm to 3.30 pm, at Lecture Hall-109 for IV-Semester A section Students. The resource person Dr. Sunil Kumar B L, HOD, CSE Department, CEC, provided an insight on the ways to solve problems on recursion. The session aimed to enhance

participants' programming problem-solving skills by introducing various methods to solve problems, starting with understanding the problem and then deriving solutions using different techniques and data structures. Participant feedback indicated a positive reception, particularly towards the logical thinking techniques. The session successfully met its objectives, and future sessions were suggested to include more time for in-depth exploration and additional coding case studies. Mr. Rakshith M D, Asst. Professor, CSE Department, CEC, coordinated the event. About 47 students were benefitted by this session.



**SESSION-2**

A Session on Problem Solving Methods was organized by CSE Department in association with Coding Club on 22/05/2024, from 2.00 pm to 3.30 pm, at Lecture Hall-103 for IV-Semester, C section Students. The resource person Mr. Vinay P, Asst. Professor, CSE Department, CEC, provided an insight on the ways to solve problems involving decision making. The session aimed to enhance participants' programming problem-solving skills by introducing various methods to solve problems on decision making, starting with understanding the problem and then deriving solutions using different making statements in C. Participants' feedback indicated a positive reception, particularly towards the logical thinking techniques. The session successfully met its objectives, and future sessions were suggested to include more time for in-depth exploration and additional coding case studies. Mr. Rakshith M D, Asst. Professor, CSE Department, CEC, coordinated the event. About 49 students were benefitted by this session.

**SESSION-3**

A Session on Problem Solving Methods was organized by CSE Department in association with Coding Club on 22/05/2024, from 2.00 pm to 3.30 pm, at Lecture Hall-104 lecture Hall for IV-Semester B section Students. The resource person Mr. Kishor Shivathaya, Asst. Professor, CSE Department, CEC, provided an insight on the ways to solve problems on patterns efficiently. The session aimed to enhance participants programming problem solving skills by introducing various methods to solve problems on pattern display, starting with understanding the problem and then deriving solutions using different looping constructs in C. Participants' feedback indicated a positive reception, particularly towards the logical thinking techniques. The session successfully met its objectives, and future sessions were suggested to include more time for in-depth exploration and additional coding case studies. Mr. Rakshith M D, Asst. Professor, CSE Department, CEC, coordinated the event. Around 54 students were benefitted by this session





# Talk on Academic Distinction: Exploring the Pathways of Minor and Honors Degrees

Department of CSE in association with IIC organized a talk on “Academic Distinction: Exploring the Pathways of Minor and Honors Degrees” for IV & VI semester students on 05/06/2024 in Seminar Hall-1. Dr. Nagesh H R, Principal, CEC addressed the students. He motivated students to cultivate positive attitude & technical skills, pursue minor and honors degree in fields like Artificial Intelligence, Internet of Things, Data Science. He also told that Innovation leads to Progress thereby incorporate project based learning. Eligibility criteria for Minor and Honors degree along with core & elective subjects were highlighted. Dr. Sunil Kumar B L, HOD Department of CSE was present during the talk. Mr. Rakshith M D, Asst.Professor, Dept. of CSE coordinated the event. About 261 students from CS&E and 38 students from AI & ML attended the event.

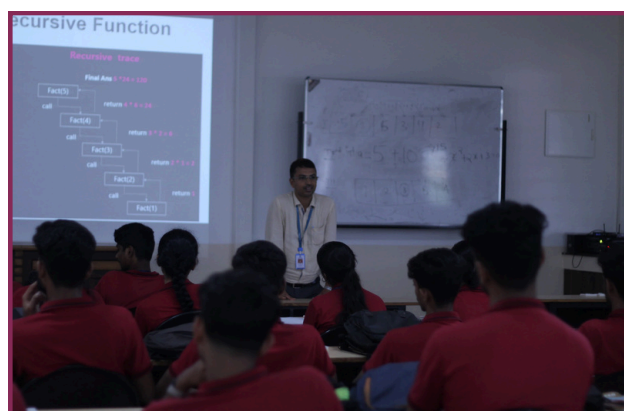


# Sessions on Problem Solving Methods

## SESSION - 1

A Session on Problem Solving Methods was organized by CSE Department in association with Coding Club on 05/06/2024, from 3.00 pm to 4.30 pm, at Lecture Hall-104 for IV-Semester B section Students. The resource person Dr. Sunil Kumar B L, HOD, CSE Department, CEC, provided an insight on the ways to solve problems on recursion. The session aimed to enhance participants' programming problem-solving skills by introducing various methods to solve problems, starting with understanding the problem and then deriving solutions using different techniques and data structures.

Participant feedback indicated a positive reception, particularly towards the logical thinking techniques. The session successfully met its objectives, and future sessions were suggested to include more time for in-depth exploration and additional coding case studies. Mr. Rakshith M D, Asst. Professor, CSE Department, CEC, coordinated the event. About 53 students were benefitted by this session



## SESSION - 2

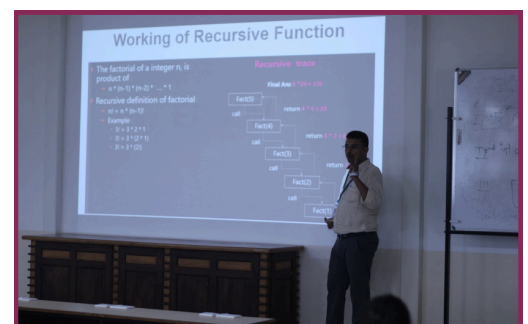
A Session on Problem Solving Methods was organized by CSE Department in association with Coding Club on 05/06/2024, from 3.00 pm to 4.30 pm, at Lecture Hall-109 for IV-Semester, A section Students. The resource person Mr. Vinay P, Asst. Professor, Dept of CSE,CEC, provided an insight on the ways to solve problems involving decision making. The session aimed to enhance participants programming problem-solving skills by introducing various methods to solve problems on decision making, starting with understanding the problem and then deriving solutions using different making statements in C. Participants feedback indicated a positive reception, particularly towards the logical thinking techniques. The session successfully met its objectives, and future sessions were suggested to include more time for in-depth exploration and additional coding case studies. Mr. Rakshith M D, Asst. Professor, CSE Department, CEC, coordinated the event. About 46 students were benefitted by this session.

## SESSION - 3

A Session on Problem Solving Methods was organized by CSE Department in association with Coding Club on 05/06/2024, from 3.00 pm to 4.30 pm, at Lecture Hall-103 for IV-Semester C section Students. The resource person Mr. Kishor Shivathaya, Asst. Professor, Dept of CSE, CEC, provided an insight on the ways to solve problems on patterns efficiently. The session aimed to enhance participants' programming problem-solving skills by introducing various methods to solve problems on pattern display, starting with understanding the problem and then deriving solutions using different looping constructs in C. Participants' feedback indicated a positive reception, particularly towards the logical thinking techniques. The session successfully met its objectives, and future sessions were suggested to include more time for in-depth exploration and additional coding case studies. Mr. Rakshith M D, Asst. Professor, CSE Department, CEC, coordinated the event. Around 45 students were benefitted by this session.

# Sessions on Problem Solving Methods

A Session on Problem Solving Methods was organized by CSE Department in association with Coding Club on 12/06/2024, from 2.00 pm to 4.00 pm, at Skill Lab for IV-Semester Students. The resource person Dr. Sunil Kumar B L, HOD, CSE Department, CEC, summarized the various methods for problem solving. The session aimed to enhance participants' programming problem-solving skills by introducing various methods, including debugging techniques, algorithm design, code review practices, testing, and tracing programs. Each method's strengths and weaknesses were discussed, followed by practical coding logic and different ways of solving problems. Participant feedback indicated a positive reception, particularly towards the logical thinking techniques. The session successfully met its objectives, and future sessions were suggested to include more time for in-depth exploration and additional coding case studies. Mr. Rakshith M D, Asst. Professor, CSE Department, CEC, coordinated the event. About 136 students were benefitted by this session.





# Talk on Aligning Project Titles with Sustainable Development Goals (SDGs)

Department of CSE in association with IIC organized a talk on “Aligning Project Titles with Sustainable Development Goals (SDGs)” for VI semester students on 05/06/2024 in Seminar Hall-1. Mrs. Babitha Ganesh Kulal, Asst. Professor, Dept. of CSE was the resource person. Topics discussed were: Sustainability with examples, Aligning Project Titles to Sustainable Development Growth (SDGs), Project proposal writing & funding agencies. Expected outcomes of project work like patents & paper publications was discussed. SDG goals such as No poverty, Zero hunger, Good health & well-being, Quality education, Gender equality was highlighted. Mr. Rakshith M D, Asst. Professor, Dept. of CSE coordinated the event. About 105 students from CS&E attended the event.



# Introduction to JavaScript and React JS

On June 26, 2024, the Department of Computer Science and Engineering at Canara Engineering College organized a session on "Introduction to JavaScript and React JS" for fourth-semester CSE students in the skill lab. Ms. Lavanya and Mr. Abhinava, both from the sixth semester, led hands-on sessions covering JavaScript and React.js. They taught dynamic web page creation, synchronous and asynchronous operations, and React components, state management, and lifecycle methods. A total of 150 students participated, with coordination by Ms. Saritha Suvarna.



# Invited Talk

Dr. Sunil Kumar B L, HOD, Dept. of CS&E, CEC, delivered a talk on “Tracing Recursive Programs” at VCET, Puttur for the students of CS&E on 10th June 2024.



**LEARNING**  
**NEVER**  
**ENDS**





**2024-2025**

**ADMISSIONS**

**OPEN**

## **COURSES OFFERED**

- COMPUTER SCIENCE & ENGINEERING<sup>#</sup>
- INFORMATION SCIENCE & ENGINEERING<sup>#</sup>
- ELECTRONICS & COMMUNICATION ENGINEERING<sup>#</sup>
- COMPUTER SCIENCE & DESIGN
- COMPUTER SCIENCE & BUSINESS SYSTEM
- ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

CET Code  
**E-123**

  
170+ Company  
Visits



**CALL FOR ENQUIRY**

Call: **8792727001**  
**8904737001**



**CANARA ENGINEERING COLLEGE**  
Sudhindra Nagar, Benjanapadavu, Bantwal, Mangalore, India - 574219

[www.canaraengineering.in](http://www.canaraengineering.in) [enquiry@canaraengineering.in](mailto:enquiry@canaraengineering.in)