Staff Achievements

Student Achivements

Department Activities

EDITORIAL

Chief Editor

Dr.Rajgopal K.T
Associate Professor & HoD

Mr.Ajith Kumar B P
Assistant Professor

Thilakshi
Lab Instructor

STUDENT MEMBERS

- **Mr. K Manish Rao(4CB22CB028)**
- **Mr. Anirudha Udupa(4CB22CB006)**
- **Ms. Melisha(4CB22CB037)**
- **Ms. Shradha Kamath(4CB22CB051)**
- **Ms. Akriti S Shetty(4CB23CB005)**
- **Mr. Premnath Kini(4CB23CB043)**

VISION

To be recognized as a centre of excellence in Computer Science and Business System producing a pool of engineers through advanced knowledge and innovation in analysis, computation and solution of real time problems of mankind.

MISSION

- To provide a learning environment endowed with competence and expertise in Computer Science and Business System education.
- To promote a culture of entrepreneurship and innovation among students by disseminating knowledge and best practices in the domain.
- To create opportunities for all-round development students through co-curricular activities and extra-curricular activities and foster lifelong learning.
- To impart value-based learning among students enriched with ethics to address the needs of society and industry.

DEPARTMENT PROFILE

The department was started in the year 2021 to offer under graduate degree programme i.e. Bachelor of Engineering (BE) in Computer Science & Business System (CSBS). The department has qualified, experienced and zealous faculty members to guide the students in academics and career. The faculty members are actively involved in teaching, product development and research. The department aims at building the student's career by placing special emphasis on all-round development through continuous interaction with Industry. The campus placement has been scaling higher and higher peaks right from its inception with multinational companies recruiting students in large numbers. The department aspires to promote start-up ideas and entrepreneurship among students to cater the needs of society. Bachelor of Engineering in Computer Science & Business System programme

aims to impart cutting-edge technologies and business skills among students to become competent industry ready IT professionals, researchers and entrepreneurs. This program provides hands on exposure to emerging technologies in data analytics and computation, software development, marketing research, operation management etc. The programmer's goal is to provide skill learning to solve problems in aspects of science, technology, business and society.

To increase the opportunity of placements to students, the department conducts soft skills training programs, technical skill development activities and initiatives on self-learning (Spoken Tutorial programs by IIT Bombay). The students' association and National Service Scheme (NSS) wing frequently conducts various programs to strengthen leadership skills, teamwork and communication; and awareness on protection of environment and social responsibilities.

Arohana

NEWS LETTER FROM CANARA ENGINEERING COLLEGE

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

1. Graduates will apply knowledge and skills of computer science and business system to address challenges in various aspects of technology, business and society.

2. Graduates will engage in lifelong learning by adapting to changing industrial and societal needs.

3. Graduates will work efficiently and effectively as computer science and business systems engineers exhibiting team spirit, leadership and ethical qualities.

PROGRAMME OUTCOMES(PO)

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:** 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.

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.

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 relevant scientific and/or engineering practices.

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

10.**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.

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 multidisciplinary environments.

12. **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)

1.To engage in entrepreneurial activities and provide solutions to problems of society via IT.

2.Apply concepts of business intelligence and data analytics to design and develop business processes and strategies.

WORKSHOP /FDP ATTENDED

Mr.Yathish K has participated in One Weeks FDP on "Cybersecurity Intelligence" Organized by department of CSE, in Association Canara Engineering College, Mangaluru, Karnataka held from 15th September 2025 to 19th September 2025.

Mr.Yathish K has participated in One Weeks FDP on "Parallel Computing" Organized by E&ICT Academy IIT Guwahati in association with Bapuji Institute of Engineering and Technology, Davangere held from 8th September 2025 to 12th September 2025.

Mr.Yathish K has participated in Two Weeks FDP on " Cyber Security " Organized by Skill Dzire in collaboration with AICTE held from 4th August 2025 to 16th August 2025.

Dr.Rajgopal K T has participated in One Weeks FDP on "Cybersecurity Intelligence" Organized by department of CSE, in Association Canara Engineering College, Mangaluru, Karnataka held from 15th September 2025 to 19th September 2025.

Mr.Ajith Kumar B P has participated in One Weeks FDP on "Cybersecurity Intelligence" Organized by department of CSE, in Association Canara Engineering College, Mangaluru, Karnataka held from 15th September 2025 to 19th September 2025.

Mrs.Pavithra H B has participated in One Weeks FDP on "Federated Quantum secured Next Gen" Organized by AICTE Training And Learning (ATAL) Academy Faculty Development Program held from 17th September 2025 to 23rd September 2025.

Mr.Satish S Nadig has participated in One Weeks FDP on "Federated Quantum secured Next Gen" Organized by AICTE Training And Learning (ATAL) Academy Faculty Development Program held from 17th September 2025 to 23rd September 2025.

STAFF ACHIEVEMENTS

NPTEL ONLINE COURSE

Dr.Venkatesh N has successfully completed the NPTEL Course on "Functional and Conceptual Design " in October 2025

Mrs.Aswini K G has successfully completed the NPTEL Course on "Python for Data Science" in August 2025

Mrs.Pavithra H B has successfully completed the NPTEL Course on "Cyber Security and Privacy" in October 2025.

Mr.Yathish K has successfully completed the NPTEL Course on "Computer Networks & Internet Protocol" in August 2025. and Another course on "Cyber Security and Privacy " in October 2025.

PAPER PUBLISHED/ PRESENTED IN JOURNALS/ BOOK CHAPTERS/CONFERENCES

"Mr.Satish S Nadig. presented the paper titled Hybrid machine learning regressor model for effective short term load forecasting of talapady substation at the International Conference on Responsible Arttificial Intelligence (ICRAI) 12th November 2025 ".

Mr.Ramesh E. presented the paper titled "Investigating the Role of Thermoelectric Coolers in Enhancing Power Electronics Performance Seventh International Conference on Advances in Electrical and Computer Technologies 2025 (ICAECT)2025 ".

PATENT PUBLICATION

1.Dr. Rajgopal K T has published a patent on title " Innovative Framework for Educational Videos Enhancing Knowledge Representation and Personalized Resource Delivery" under Application No.-202541113031A, dated December 12,2025.
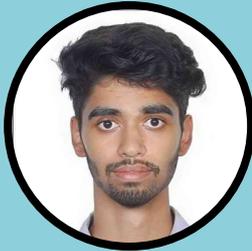
Riceguard Real Time Leaf Disease Detection and Pesticide Advisory Application

Mrs.Ashwini K G
Assistant Professor

An Riceguard Real Time Leaf Disease Detection and Pesticide Advisory Application" has been developed by Aayush,Nikhita G Bhat,Swedel L Dsouza,Tanish P Shetty ,Shreeram Samarth. Guided by Ashwini K G.under Application No.-202541113120, dated December 05,2025.

Student Achievement

6th Sem Topper's

CGPA 9.44
Charanya K Naik
4CB22CB015

CGPA 9.44
Prathiksha Harish Baleri
4CB22CB044

CGPA 9.28
Melisha
4CB22CB037

CGPA 9.17
Khushi Ramesh Gaonkar
4CB22CB029

CGPA 9.17
Mohini Ganapati Pai
4CB22CB038

CGPA 9.11
Ashika Rai S
4CB22CB009

CGPA 9.06
Anirudha Udupa
4CB22CB006

CGPA 9.06
Vithin M P
4CB22CB060

4th Sem Topper's

CGPA 9.26
Akriti S Shetty
4CB23CB005

CGPA 9.26
Shreshta D
4CB23CB055

CGPA 9.00
Ram Nandan Mayya
4CB23CB046

CGPA 8.95
Rakshitha
4CB23CB045

CGPA 8.89
Thrisha R S
4CB23CB058

PLACEMENT

Ms.Ananya N (4CB22CB004) has been placed in Mu Sigma

Ms.AnanyaKottary (4CB22CB005) has been placed in ITC Infotech

Ms.Aureen Risha.Moras (4CB22CB011) has been placed in Infosys

Ms.Gauthami (4CB22CB023) has been placed in Codeyoung

Ms.Neha (4CB22CB0041) has been placed in Infosys

Mr.AnirudhaUdupa (4CB22CB006) has been placed in RANDSTAD INDIA pvt LTD

Ms.Chinmayi G S(4CB22CB016) has been placed in Global Quest

Ms.Melisha(4CB22CB037) has been placed in Global Quest

Ms.Vaishnavi H (4CB22CB057) has been placed in Codeyoung

Ms.Charanya K Naik (4CB22CB015) has been placed in Cognizant

Ms.Pruthvi Acharya J (4CB22CB046) has been placed in Codeyoung

Mr.Varun Raj (4CB22CB058) has been placed in Sclera VDMS

Ms.Reeshal D Souza(4CB22CB047) has been placed in Infosys

Mr.Navaneeth Arya(4CB22CB040) has been placed in niveus

Mr.VigneshwarNaik(4CB22CB059) has been placed in Global Quest

Mr.Poornesh(4CB22CB062) has been placed in Global Quest

Technical Events

- **Ms.Melisha Participated in Inter Collegiate Quiz Competition held at Mangaluru on 14 th September 2025.**
- **Ms.Prathvi P Nayak Participated in Srinathon 2.0 held at srinivas Institute of Technology Mangalore on 9th and 10th August 2025.**
- **Mr.Premanath kini Participated in National Level Tech Fest held at Nitte on 7th and 8th October 2025.**
- **Mr.Premanath kini Participated in 24-Hour Hackathon held at Yenepoya Institute of Technology moodbidri on 12th November 2025.**
- **Ms.Rakshitha Participated in National Level Tech Fest held at Nitte on 7th and 8th October 2025.**
- **Ms.Dhanush Bangera Participated in National Level Tech Fest held at Nitte on 7th and 8th October 2025.**
- **Mr.Ramnandan Participated in National Level Tech Fest held at Nitte on 7th and 8th October 2025.**
- **Ms.Shreshta D Participated in 24-Hour Hackathon held at Mangaluru on 9 th and 10th August 2025.**
- **Ms.Sannidhi Mohan Participated in National Level Tech Fest held at Nitte on 7th and 8th October 2025.**
- **Ms.Shreshta D Participated in National Level Hackathon held at Nitte on 21st and 22nd October 2025.**
- **Mr.Dhanush Bangera Participated in 24-Hour Hackathon held at Yenepoya Institute of Technology moodbidri on 12th November 2025.**

ONLINE CERTIFICATIONS

- **Mr. Rakshitha successfully obtained certification on IBM Skills Build Project Based Learning Program-Decoding Data:Insights and Impact through Analytics with CSRBOX.**

- **Ms.Sannidhi successfully obtained certification on Microsoft AI Learning Challenge.**

2nd Runner-Up position in the Reel Competition organized by ITS Mangalore on the occasion of Mangalore Dasara.

Technical Events
A session on "Financial Education and Awareness

The Financial Education and Awareness Session was organized by the departments of Computer Science & Engineering (CS&E), Information Science & Engineering (IS&E), and Computer Science & Business System (CSBS) at Canara Engineering College. The session aimed to enhance financial literacy among faculty members by addressing key concepts in investment strategy, behavioral finance, and economic decision-making. The session aimed to clarify three key aspects of Financial Management: 1. To promote financial literacy among faculty members by introducing core concepts of personal finance, investment, and economic planning. 2. To create awareness of behavioral finance, helping participants understand how emotions and biases influence financial decisions. 3. To empower individuals with practical strategies for wealth management and long-term financial well-being. A total of 75 Teaching and Non-teaching staff members participated in the session. The session was inaugurated in the presence of Dr. Nagesh H R, Principal of CEC. The resource person for the event was Dr. Balaji. Rao D. G., Co-founder-Director, OSAT Knowledge Pvt. Ltd. Dr. Balaji Rao is a Chartered Financial Analyst and expert in behavioral finance, investment strategy, and capital markets. He has served as a mentor for various financial literacy campaigns and regularly consults with educational institutions and businesses to build awareness on economic decision-making and wealth management. The event was planned and initiated by Mr. Ravish Balakrishnan, Executive Director at Lifetime Asset Strategies Pvt. Ltd., in collaboration with Dr. Karthik Pai B H, HoD of CS&E. The event was coordinated by Mr. Janardhana Bhat K, Assistant Professor, Department of CSE, Mr. Sandeep M Kini, Assistant Professor, Department of ISE and Mr. Yathish K, Assistant Professor, Department of CSBS. Dr. Karthik Pai B H, Professor and Head, CSE, Dr. H Manoj T Gadiyar, Professor and Head, ISE and Dr. Rajgopal K T, Assoc. Professor and Head, CSBS effectively guided towards the smooth conduction of the event. The Master of Ceremonies for the session was Ms. Sourabha S Rai, Assistant Professor, Department of Computer Science & Design (CSD), who ensured the smooth flow of the event with clarity and grace. The session successfully promoted financial awareness and encouraged informed decision-making among faculty.

Business Model Canvas (BMC)

The Department of Computer Science and Business System, in association with the Institution's Innovation Council (IIC), organized a session titled "Business Model Canvas (BMC)" on 13th August 2025. The session was exclusively conducted for 5th semester CSBS students with the objective of familiarizing them with the concept of Business Model Canvas, its key components, and its application in developing innovative and sustainable business ideas.The resource person explained the importance of BMC as a strategic management tool, highlighting elements such as customer segments, value propositions, channels, revenue streams, and cost structures. Students actively participated in discussions and gained practical insights into structuring and evaluating business models effectively. Overall,52 students benefitted from the session .Event was successfully coordinated by Mrs.Yojana KiranKumar, Asst. Professor ,Dept of CSBS. url : https://www.facebook.com/share/p/19hggkc8ig/

Session on achieving value proposition fit and business fit

The Department of Computer Science and Design and the Department of Computer Science and Business Systems, in association with Institution's Innovation Council (IIC), organized a workshop on 29th August 2025.The resource person for the session was Dr. Venkatesh N, Dean – Accreditation, and Innovation Ambassador. A total of 71 students actively participated in the event. The workshop was coordinated by Mrs. Chatura V. Karadesai, Assistant Professor, Department of CSD and Mrs.Yojana KiranKumar,Assistant Professor, Department of CSBS. The primary objective of the workshop was to engage students in achieving value proposition fit and business fit, thereby helping them understand the importance of aligning innovative ideas with customer needs and market opportunities. The session aimed to develop students' ability to:Identify target audiences, Design solutions that create real value, Validate these solutions through constructive feedback. The workshop provided students with practical insights into innovation and entrepreneurship, fostering an understanding of how to transform ideas into impactful solutions.

Decode Java: Series 1-3

The Program was conducted on the following dates : 3-9-25,17-9-25 and 24-9-25 from 2:00 PM for 5th semester CSBS Students in the respective classroom. The session focused on the fundamentals of Java programming with emphasis on the concepts of static, final, and exception handling , Inheritance and Polymorphism. The Hands on Session on these topics were conducted to improve their programming skills and logical thinking.

A one-day workshop on "Cybersecurity & Ethical Hacking"

A Workshop on Cybersecurity & Ethical Hacking was organized to create awareness about the importance of protecting digital information and systems from cyber threats. The session introduced participants to key concepts such as network security, malware analysis, phishing attacks, and password protection techniques. Hands-on demonstrations were conducted to help students understand real-world hacking methods and corresponding defense mechanisms. The resource person highlighted various tools and frameworks used in ethical hacking practices. Participants also learned about the latest trends in cybersecurity, including AI-based threat detection and data privacy laws. The workshop provided valuable insights into ethical hacking as a potential career path. Overall, it enhanced the participants' knowledge and skills to identify, analyze, and prevent cyber attacks effectively.

Problem Solving Bootcamp Series 1-5

The Program was conducted on the following dates : 24-9-25,15-10-25,29-10-25,26-11-25 and 3-12-25 from 2:00 PM for 3rd semester CSBS students in the respective classroom.The session offered a practical, hands-on introduction to C programming and debugging techniques, allowing participants to actively practice core C concepts through problem-solving activities and apply them to real coding scenarios.