

Volume 2, Issue 1

AROHANA

The Rising



HIGHLIGHTS

- Staff Achievements
- Student Achievements
- Department Activities

**Department of
Computer Science and
Business System**

CANARA
ENGINEERING COLLEGE

Sudhindra Nagara Benjanapadavu, Bantwal Taluk, Mangaluru,
D.K.District Karnataka, INDIA - 574219

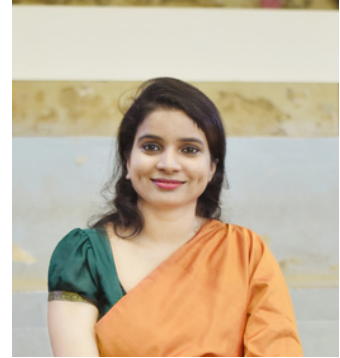
 canaraengineering.in



EDITORIAL



Dr.H Manoj T Gadiyar
HOD, CSBS



Mrs. Yojana KiraKumar
Asst.Professor,CSBS

STUDENT MEMBERS



Mr.Himanshu



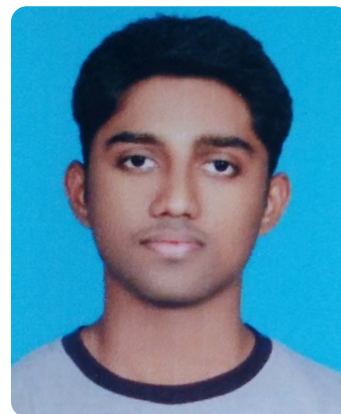
Ms.Sandya



Ms.Diya Sanil



Ms.Shravya k



Mr.Sathwik Kotian

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 of 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 students' 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 programme provides hands on exposure to emerging technologies in data analytics and computation, software development, marketing research, operation management etc. The programme'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 programmes, technical skill development activities and initiatives on self-learning (Spoken Tutorial programmes by IIT Bombay). 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)

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 design and develop technologies that will solve real time complex problems by pursuing higher education and research.
3. Graduates will engage in lifelong learning by adapting to changing industrial and societal needs.
4. Graduates will work efficiently and effectively as computer science and business systems engineers exhibiting team spirit, leadership and ethical qualities.

PROGRAMME OUTCOMES(PO)

Engineering graduates in Computer Science and Business System 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:** 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 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 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.

NEW FACES OF CSBS FAMILY



Dr. H Manoj T Gadiyar



Mrs. Yashaswini K L

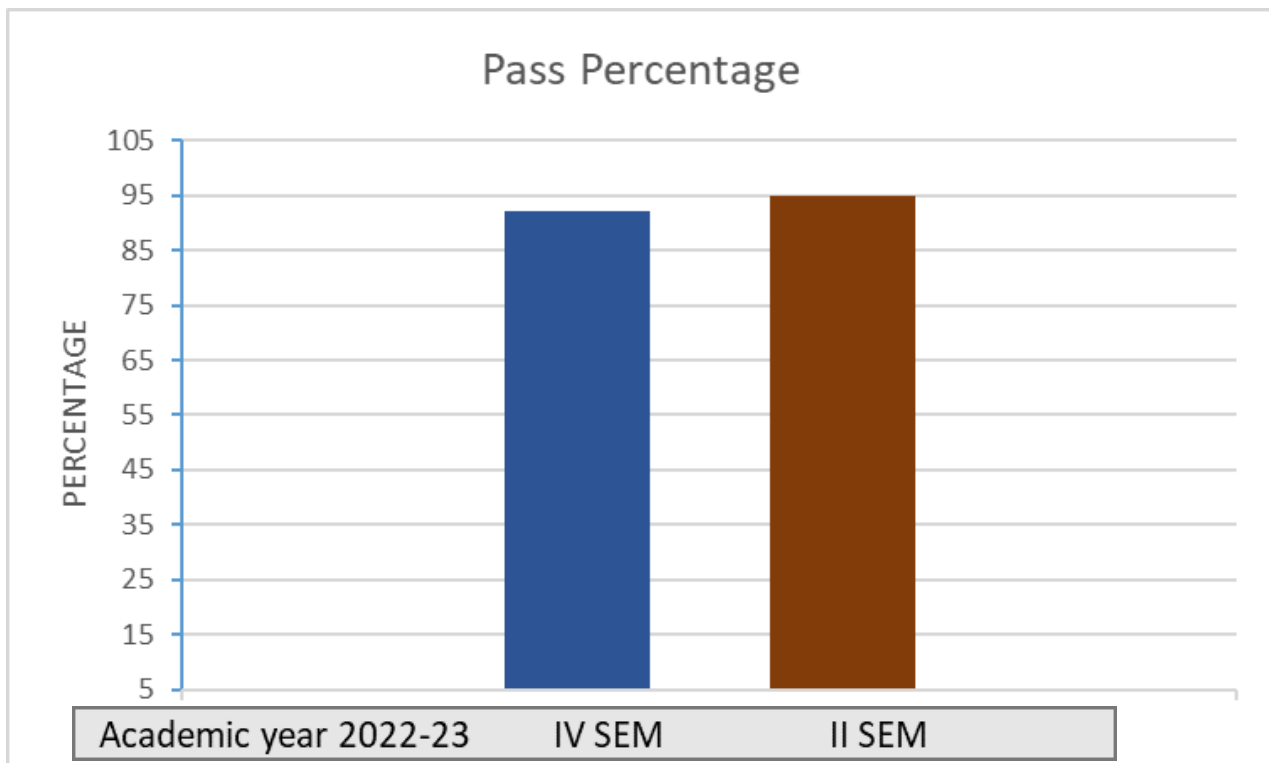


Mrs. Ashwini K.G



Mrs. Pavithra H.B

ACADEMIC RESULT



IV SEM RANK STUDENTS



Swedel Lawrence Dsouza
4CB21CB055



Nikhitha Ganapathi Bhat
4CB21CB029



Rakshitha A Bhaktha
4CB21CB040



Himanshu
4CB21CB019



Nikhil N Pai
4CB21CB028

II SEM RANK STUDENTS



Sanketh K Kottary
4CB22CB050



Uttam
4CB22CB056



Melisha
4CB22CB037



Prathiksha Harish Baleri
4CB22CB044



Shradha Kamath
4CB22CB051



Anirudha Udupa
4CB22CB006



K Manish Rao
4CB22CB028



Navaneeth Arya
4CB22CB040



Bhavith
4CB22CB014



Mohini Ganapati Pai
4CB22CB038

STUDENT ACHIEVEMENTS

TECHNICAL COMPETITION:

- Varun Raj(4CB22CB058),Diya H S(4CB22CB021),Ananya Kottary(4CB22CB005), Ananya(4CB22CB003), Melisha(4CB22CB037),Dhyan Prem(4CB22CB019), N H Shashwath (4CB22CB039),Charanya K Naik(4CB22CB015),Sanketh K Kottary (4CB22CB050), Anirudha Udupa (4CB22CB006), M Vaibhav(4CB22CB033) participated in the Codeblaze held at Sahyadri College of Engineering and Management.
- Varun Raj(4CB22CB058)Jonathan Dsouza(4CB22CB026)participated in the Roolathon held at Srinivas Institute of Technology,Mangalore.

- Nikhil N Pai(4CB21CB028)Himanshu(4CB21CB019) participated in the Sr.Robo Race held at Noida NCR (INDIA) .
- Nikhil N Pai(4CB21CB028), Rakshitha A Bhaktha(4CB21CB040),Aureen Risha Moras (4CB22CB011),Reeshal Dsouza(4CB22CB047) participated in the Hackathon-An Idea Competition and Melisha(4CB22CB037)participated in the Movie Review Competition andAnirudha Udupa(4CB22CB006)participated in the Logo Design Competition held at Canara Engineering College.

TECHNICAL CERTIFICATE:

- Ravithej Bandari(4CB21CB042)participated in the Programming for Everybody(Getting Started with Python) held at University of Michigan(Online).
- C K Dhanakrishna(4CB21CB008),Nikhil N Pai(4CB21CB028) Shravya K (4CB21CB051),Priyanka Bharadwaj (4CB21CB038) participated in the Code Yourself! An Introduction to Programming held at The university of Edinburgh(Online).
- Charanya K Naik (4CB22CB015) participated in the Python for Data Science in NPTEL Online Course.
- RajathRajeshBhandari(4CB21CB042),Chirashree L K(4CB21CB011)Suraksha P Shetty(4CB21CB054) ,Sathwik(4CB21CB050),Diya D Sanil(4CB21CB016),Varun Shetty,Adithya(4CB21CB003),Nikhil N Pai(4CB21CB028),Himanshu (4CB21CB019),Shravya R(4CB21CB052), Praveen Pai N(4CB21CB036),B Sandeep S Kamath(4CB21CB007),Swedel Lawrence Dsouza,(4CB21CB055)Nikhitha Bhat (4CB21CB029) Rashika (4CB21CB041),Krathika Ravi Naik(4CB21CB021),Gowda Sandya Kanthappa(4CB21CB018), Varsha(4CB21CB058),Priyanka Bharadwaj (4CB21CB038), Nagarathna Ganesh Kharvi (4CB21CB025), Nisarga T U (4CB21CB031), Prathiksha D(4CB21CB035),Prerana R(4CB21CB037),Nidhishree Mohan Shet(4CB21CB027), Mohammed Hashim Ali(4CB21CB024),Sanjay Poojary (4CB21CB048)participated in the Programming for Everybody(Getting Started with Python) held at University of Michigan(Online).

STAFF ACHIEVEMENTS

Dr. H Manoj T Gadiyar: Awarded ACTET Certificate in recognition and sincere their invaluable contribution and outstanding presence as the technical program committee member and reviewer in the international conference on ACTET held during December 18-19-2023

PUBLICATIONS



Dr. H Manoj T Gadiyar 15-17 November 2023 Optimizing Diabetes Prediction with Ensemble Learning with Voting and Cross Validation: A Comprehensive Approach [Publisher: IEEE]

DEPARTMENTAL ACTIVITIES

Developing GUI using Python (Tkinter)(02-08-2023)

Enable the students to develop GUI using Python Tkinter. Benefits in terms of learning: At the end able to develop several partly-functional applications. Able to develop layouts by using different geometry managers. Styling widgets by using styling options and configuring the root widget. Report: Topics discussed were the advantages and applications of the Python Programming Language, the creation of buttons, frames, and canvas, developing calculator applications, and developing an image viewer. Resource person thought the various components of GUI programming with Tkinter. Event was coordinated by Mrs. Aishwarya K, Assistant Professor, Department of CSBS.



Ayudha Pooja (31-10-2023)



Ayudha Pooja was conducted at the Department of Computer Science and Business System on 31st of October, 2023. Cultural department organized the event. Students, faculty and staff actively participated in the event. The Pooja was lead by Dr Manoj T Gadiyar, HOD, CSBS and was graced by Dr. Nagesh H R, Principal, CEC. Prasadam was distributed after the pooja. Mrs. Pooja Kini, Department Cultural Coordinator, coordinated the event.

Branch Entry 2023 (17-11-2023)

Branch Entry program for the students of third semester was held on 17th November 2023. The event was organized by cultural committee lead by Mr. Naveen Kalal, Chief Coordinator. Dr. Nagesh H R, The Principal and Dr. Demian Antony D. Mello, The Vice Principal addressed the incoming students. Dr. Manoj T Gadiyar, HOD CSBS and the Heads of various other departments graced the occasion. Students of third semester gave variety performances on the theme - "Retro - NewAge Fusion: A Cinematic Blend". The event was coordinated by Mrs. Pooja Kini, CSBS Department Cultural Coordinator.



MY STORY - Motivational Session by Successful Innovator (06-12-2023)



The Department of Computer Science and Business System in association with Institution's Innovation Council organized a motivational session by a successful innovator and entrepreneur on December 6th, 2023. Mr. Prajwal V Kumar, Director and Co-founder of Mangalore Robautonics Pvt Ltd, was the resource person for the session. The main objective of this programme was to inspire and motivate students by showcasing the success stories of innovators and entrepreneurs, encourage them to pursue their ideas and take up entrepreneurship. Mr. Prajwal Kumar shared his journey of exploration and creation, motivated the students to embrace the spirit of innovation, transform the challenges into opportunities and push all the boundaries. The session highlighted stories of some of the greatest innovators like Elon Musk, the visionary behind companies like Tesla, SpaceX and snippets from the movie "October Sky" which depicted passion for scientific exploration and innovation. A total of 171 students participated in the event.