



CANARA ENGINEERING COLLEGE
BENJANAPADAVU , BANTWAL TALUK, DK -574219



»»»» C S D NEWSLETTER ««««

BITS & BYTES

VOLUME:1 ISSUE:2 JAN 2023-JUN 2023

Department Of Computer Science and Design



Mr. Gurusandesh M
Head of Department



Mrs. Chatura V Karadesai
Chief Co-ordinator

www.canaraengineering.in

HoD's Message

I'm pleased to see that the Department of Computer Science and Design has published its newsletter for the Academic Year 2022– 2023 listing the many endeavours and successes of our faculty and students. The department works to develop professionals who are self-assured and responsive to the challenges of the industry. The department provides a top-notch learning environment with a team of faculty members who are well skilled to motivate students to advance their technical knowledge and foster a spirit of collaboration. As the department head, I would like to express my gratitude to all of the professors, support personnel, and students for their unwavering commitment to the growth and improvement of the department. I'd like to take this opportunity to thank the editorial board's entire staff for bringing up this matter in better shape.

Student Members



Goutham Pai
Co-ordinator



M. Shridevi Prabhu
Designer



Ajay Bhandary
Content Writer



Srinidhi R
Content Writer

Vision

To be a globally competent center in Computer Science and Design committed to produce a pool of knowledgeable engineers to extend solutions for the mankind in the field of software and design.

Mission

- Provide the environment to become industry ready Professionals, Researchers and Entrepreneurs by offering emerging courses.
- Imparting experiential learning to gain proficiency in contemporary software and design tools to meet the current demands of the industries.
- Develop teamwork and problem-solving abilities, foster lifelong learning and instill sense of ethical and societal responsibility among students.

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 & Design (CS&D). To guide the students with their academics, the department includes enthusiastic, skilled, and experienced teaching members. 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.

A course in computer science and design is related to a course in computer science and engineering, which emphasises not only computing technologies, software, programming, and tools but also various design techniques and interaction approaches. The program's goal is to provide students with an interdisciplinary skill set that will allow them to succeed in a variety of industries, including the information technology field, animation, virtual reality, augmented reality, multimedia, robotics, game development, entertainment, and digital analytics, among others.

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. 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).

Programme Educational Objectives

- Exhibit the knowledge and skill sets to acclimatize to the significant technical innovations and modifications in the field of computer science and design.
- Become accustomed to a corporate work atmosphere, carrying out assigned tasks with competence, and being able to keep up with new technology developments to launch start-ups and research.
- Engage in inventive work to capitalize on novel ideas for enhancing socio-economical values of the mankind.

Programme Outcomes

Engineering graduates in Computer Science and Design 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 specific 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

- Apply designing principles and mathematical concepts to make the students well-versed with full stack applications.
- Design and develop computer programs/computer-based systems in various areas of Multimedia, Graphics and User Interface.

Faculty Achievements

Mr. M H Soorajprasad

- Attended 5-day faculty development program on Microsoft Power Data Analyst Associate conducted by ICT Academy, at Bapuji Institute of Engineering and Technology, Davangere.
- Coordinated a workshop focused on the fascinating field of image processing. His expertise and guidance enriched the learning experience for all participants, making it a highly beneficial event."

Mr. Gurusandesh M

- Conducted an informative workshop on IoT for beginners, offering participants a valuable introduction to the world of Internet of Things (IoT). The workshop provided comprehensive coverage of IoT fundamentals and practical insights into its applications.

Departmental Activities

A SESSION ON INTERNET OF THINGS (IOT):

CANARA ENGINEERING COLLEGE
BENJANAPADAVU, BANTWAL TALUK, DK -574219

Department of Computer Science and Design
In Association with Design Club

**A SESSION ON
INTERNET OF THINGS**

Mr. Guru Sandesh M.
Assitant Professor
Department of CSD

Exclusively for 2nd year CSD Students

COORDINATORS

Prathiksha 8277479597	Syed Arbaaz Hussain 8496002614	Achala P.R. 9778508455
Dr. Ankitha K. HOD, Dept. Of CSD	Dr. Demian D'mello Dean, Academics	Dr. Ganesh V. Bhat Principal

28 JUNE 2023
2:00-3:00 PM

LH 101

During our departmental activities, Mr. Gurusandesh M conducted a session on the Internet of Things (IoT), providing valuable insights into the world of IoT through his expertise and explanations. It was a valuable opportunity for our department to delve into this transformative technology.

A SESSION ON IMAGE PROCESSING:

CANARA ENGINEERING COLLEGE
BENJANAPADAVU, BANTWAL TALUK, DK -574219

Department of Computer Science and Design

**A SESSION ON
IMAGE PROCESSING**

Dr. Sunil Kumar B. L.
Associate Professor & HOD
Department of CSE

COORDINATOR
Soorajprasad M. H.
Assistant Professor
Dept Of CSD

Dr. Ankitha K.
HOD, Dept. Of CSD

Dr. Demian D'mello
Dean, Academics

Dr. Ganesh V. Bhat
Principal

21 JUNE 2023
2-3:30 PM

LH 101

Dr. Sunil Kumar B L shared valuable insights and knowledge during an engaging session on image processing. This initiative provided our department with a valuable opportunity to delve into the intricate domain of image processing. Through Dr. Sunil Kumar B L's informative presentation and interactive discussions, participants gained a deeper understanding of the latest advancements and practical applications within the field of image processing. It served as a platform for fostering a collaborative learning environment and igniting further curiosity among our department's members to explore this ever-evolving technology.

Student Achievements



Shreya JH

VTU Level Kabbadi Champion

First Place in VTU State Tournament

Selected for VTU Nationals (Inter-University Level)

Shreya JH has excelled in Kabbadi, achieving notable victories at both regional and state levels. Her selection to the VTU Nationals team is a testament to her outstanding skills.



Sanket Ambig

VTU State Level Javelin Throw Competitor

Sanket Ambig excelled in javelin throw at VTU State Level Athletic Meet 2022-23



Poorva Kumari

Second Runner-Up in VTU State Level Volleyball Championship

Participant in VTU Mangaluru Division Inter-Collegiate Throwball Tournament

Poorva Kumari achieved 2nd place at the VTU State Volleyball Championship in December 2022 and actively participated in the VTU Mangaluru Division Inter-Collegiate Throwball Tournament in March 2023.



🏆 Participants: Prabuddh Shetty, Syed Arbaaz Hussain, Shwetha Ravindra Baliga, Srinidhi R, Dawood Touseef

📚 Science Exhibition: Jnana Vijnana Tantrajana Mela

These individuals showcased their talents at the Jnana Vijnana Tantrajana Mela, a Science exhibition hosted by Adhichunchanagiri University in Adichunchanagiri, BG Nagar, Mandya District. Congratulations!



🏆 VTU Rest of Bengaluru Level: 2nd Runners-Up

👥 Team Members: Srinidhi R, Abhiram G Hegde, B Vivek Kamath, Suraj Rajesh Gunaga

Congratulations to the team consisting of Srinidhi R, Abhiram G Hegde, B Vivek Kamath, and Suraj Rajesh Gunaga for achieving the impressive title of VTU Rest of Bengaluru Level 2nd Runners-Up!

Department Of Computer Science and Design

BITS & BYTES

Dive into the world of innovation and excellence with Computer Science and Design from Canara Engineering College . Unveil the latest in Computer Science and Design through captivating articles, student and faculty achievements, and a glimpse into our vibrant department.

🌟 Discover Our Vision 🌟

At CS&D, we're on a mission to produce industry-ready professionals, researchers, and entrepreneurs. Join us as we explore emerging courses, modern tools, and the future of software and design.

🚀 Program Highlights 🚀

Our interdisciplinary program equips students with versatile skills designed to excel in diverse professional arenas. Explore the capabilities that define our program.

🎯 Journey with Us 🎯

Explore the impact of professional engineering solutions in society and the environment. Engage with our community of learners, and witness the spirit of innovation that defines CS&D.