



SRUSHTI

newsletter

SHRAVYA V SHETY

Gold Medal

VTU STATE LEVEL WEIGHTLIFTING

Seminar on

**Admistr Technological
Modernization**

TECHNOVA-2024

TECH TODAY, TRANSFORM TOMORROW

INNOVATION SHOWCASE

PROJECT EXHIBITION

**MOBILE APPLICATION DEVELOPMENT
USING REACT NATIVE**



CANARA
ENGINEERING COLLEGE

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



NBA ACCREDITATION
UP TO 30.06.2025

EDITORIAL

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Srushti Rajendra Naik



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. KARTHIK PAI B H
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). On behalf of the entire department, I present this newsletter Volume 12, Issue 2. 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 2 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. Karthik Pai B H
Professor & HOD

STAFF ACHIEVEMENTS

PhD

Awarded

Dr. Vinay P was awarded a PhD degree for the thesis titled "Plant Leaf Disease Identification and Classification Using Advanced Machine Learning Techniques" supervised by Dr. Santhosh Kumar G, Professor and Principal, East West College of Engineering, Yelahanka, Bangalore.



Dr. Pavithra D.S was awarded a PhD degree for the thesis titled "Analysis of Human Gait in Ataxic Person Using Artificial Intelligence" at the Department of Computer and Information Sciences, supervised by Dr. Shrishail Math, Professor and Head, CSE Department, Rajeev Institute of Technology, Hassan .

WORKSHOP / WEBINAR ATTENDED

Mrs. Aruna Kumari G K has participated in the Faculty Development Program on “**AI and Generative AI with Industry Application**”, organized by MIT Academy of Engineering, Maharashtra in collaboration with ExcelR from 16th to 22nd July 2024.

Mrs. Aruna Kumari G K has participated in the Short Term Training Program on “**Generative AI and the Future of Work**”, organized by School of Computer Science and Engineering, Reva University from 22nd to 26th July 2024.



Mr. Ajay Shet has participated in 5-Day Online Faculty Development Program on “**Applications of AI/ML in Power Systems & Electric Vehicles**”, organized by Department of Electrical & Electronics Engineering, Kishkinda University from 5th to 9th August 2024.

Mr. Ajay Shet has participated in Faculty Development Program on “**Advanced AI Tools, Techniques, and Applications**”, organized by Department of CSE, Gopalan College of Engineering and Management, Bangalore from 2nd to 6th September 2024.

Mrs. Sushma has participated in Five-Day International Level Online Faculty Development Program on “**Full Stack Data Science Generative AI**”, organized by Department of CSE, Madanapalle Institute of Technology & Science, Madanapalle from 19th to 23rd August 2024.



Ms. Kavya A M has participated in one week Faculty Development Program on “**Generative AI with Large Language Models**”, organized by BMSCE and RNSIT, Bengaluru in association with ISTE from 23rd to 28th September 2024.

Mrs. Babitha Ganesh and Mrs. Aruna Kumari G K has successfully completed FDP on “**Machine Learning**”, organized by SkillDzire in collaboration with AICTE on 4th October 2024.



Ms. Kavya A M and Mrs. Sushma has participated in Six-Day Faculty Development Program on “**Python**”, organized by CSSR and SRRM Degree and PG College, Andrapradesh from 14th to 19th October 2024.



Mr. Shatananda Bhat P has successfully completed FDP on “**Cyber Security**”, organized by SkillDzire in collaboration with AICTE on 4th October 2024.



Mr. Rakshith M D has participated in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “**Advanced Computing Redefined: Exploring AI, Quantum Computing and Cyber Security Synergies**”, organized by Shreeyash Pratishthan's, Shreeyash College of Engineering & Technology, Aurangabad from 25th to 30th November 2024.



ONLINE COURSE



Mrs. Aruna Kumari G K has successfully completed NPTEL Course on Introduction to Internet of Things with Elite during Jul-Oct 2024 organized by IIT Kharagpur.



Mrs. Sukshma Shetty has successfully completed NPTEL Course on Research Methodology during Jul-Sept 2024 organized by IIT Madras.

Mrs. Sukshma Shetty has successfully completed NPTEL Course on Deep Learning during Jul-Oct 2024 organized by IIT Madras.



Mrs. Sushma has successfully completed NPTEL Course on Introduction to Internet of Things during Jul-Oct 2024 organized by IIT Kharagpur.

Mr. Ajay Shet has successfully completed NPTEL Course on Big Data Computing with Elite during Aug-Oct 2024, organized by IIT Kanpur.



Mr. Shatananda Bhat P has successfully completed Introduction to AI-powered automation powered by UiPath on 9th September 2024.

PAPER PUBLISHED/ PRESENTED IN JOURNALS/ BOOK CHAPTERS/CONFERENCES



Mrs. Aruna Kumari G K has participated in the 2024 IEEE International Conference on **"Augmented Reality, Intelligent Systems, and Industrial Automation"**, organized by MIT, Manipal on 30th July 2024.



Mrs. Babitha Ganesh and Ms. Kavya A M published a book chapter titled **"Hyperautomation in precision agriculture using different unmanned aerial vehicles"**, Academic Press, November 2024.

BEST PAPER AWARD AT IEEE COSMIC-2024

The paper titled **"Integrating Bi-LSTM With Deep Learning for Emotional Analysis"** authored by **Ms. Jyothi G N** and **Dr. Nagesh H R** from Canara Engineering College, was recognized as the Best Paper in the Intelligent Systems track at the **IEEE International Conference on Computing, Semiconductor, Mechatronics, Intelligent Systems, and Communications (COSMIC-2024)**. The conference took place at Sahyadri College of Engineering and Management in Mangaluru on November 22nd and 23rd, 2024.



STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION IN SEMINARS/ CONFERENCES/WORKSHOPS/NPTEL COURSES



Mr. Sumukh Shenoy, Ms. Varsha Nayak, Ms. Shivani Kamath, Ms. Tanvi Bhat from 5th semester has participated in INFOTHON- A 24 hours National Level Hackathon held at Vidyavardhaka College of Engineering, Mysore on 13th & 14th July 2024.



Ms. Sruthi K S from 5th semester has participated in Sankalp'2024 (8-Hours Hackathon) held at A.J. Institute of Technology, Mangalore on 13th July 2024.



Ms. Samyuktha Pai has successfully completed NPTEL Course on Cyber Security & Privacy during Jul-Oct 2024 organized by IIT Madras.

Ms. Samyuktha Pai has successfully completed NPTEL Course on Data Structures & Algorithms using Java during Jul-Oct 2024 organized by IIT Madras.



Mr. Sakshath Rai & Mr. P Shreekar Shenoy from 7th semester has participated in Innovation, Design and Entrepreneurship (IDE) Bootcamp held at NITK Surathkal from 23rd to 27th September 2024.



Mr. Vivek Kulal, Mr. Vinay Shanbag, Mr. Subramanyam C V, Mr. Shreyas B K from 5th semester has participated in 24-hour hackathon held at Srinivas Institute of Technology, Mukka on 20th October 2024.



Ms. Sneha Shanbag, Swati Ganesh Shet from 5th semester has participated in IEEE International Conference on Distributed Computing, VLSI held at Srinivas Institute of Technology, Mukka on 20th October 2024.



Ms. Nanditha Rajesh from 3rd semester has participated in ON CLOUD 9-An Immersive Cloud Computing Workshop held at Amrita Vishwa Vidyapeetham, Coimbatore from 17th to 19th October 2024.

Ms. Nanditha Rajesh from 3rd semester has participated in Blockchain Life Forum 2024 held at Amrita Vishwa Vidyapeetham, Coimbatore from 17th to 19th October 2024.



Ms. Bhoomika Chandrakanth Kamat, Mr. Hafeez Mohammad, Mr. Gurudev Krishnanand Kini, Mr. Skanda Prasad D, Mr. Sathvik T Devadiga, Mr. Bhavith V from 3rd semester has participated in 24-hour hackathon held at Srinivas Institute of Technology, Mukka on 20th October 2024.

Shravya V. Shetty Bags Gold at VTU State Level Weight Lifting Championship



In a remarkable achievement, Shravya V. Shetty, a second-year student from the Department of Computer Science and Engineering at Canara Engineering College, clinched a gold medal at the prestigious VTU State Level Weight Lifting Competition held at Alva's in Moodabidri on November 12, 2024.

Her outstanding performance not only secured her the top spot in the competition but also earned her a coveted qualification to participate in the South Zone Weight Lifting Championship. This achievement stands as a testament to her dedication, strength, and determination, both as a student and an athlete.

Shravya's gold medal victory highlights her commitment to excellence beyond the classroom. Despite the demanding nature of her academic pursuits, she has managed to excel in a physically challenging sport, proving that discipline and hard work can lead to success in multiple fields.

Her qualification for the South Zone competition is a significant milestone, and her journey has inspired many to pursue their passions relentlessly. Shravya's success reflects the spirit of perseverance and the importance of balancing academics with extracurricular activities, contributing to the holistic development of young minds.



As Shravya prepares for the next level of competition, her victory at the VTU State Level Championship serves as an inspiration to fellow students, showing that with the right mix of dedication and passion, no goal is out of reach.

4th Sem Toppers



Dhanya Gajanan Prabhu

SGPA : 9.37



Poorvi Devidas Naik

SGPA : 9.37



Chinmayi

SGPA : 9.32



Bangera Paveen Sudhakar

SGPA : 9.26

6th Sem Toppers



Srushti Rajendra Naik

SGPA : 9.45



Khushi Kiran Shet

SGPA : 9.27



Praharsh T

SGPA : 9.27



Lavanya Laxmi Naik M

SGPA : 9.27



Thushara Shree C H

SGPA : 9.27



Trayee Shridhar Nayak

SGPA : 9.27



U Chaithra Nayak

SGPA : 9.27



Shraddha K

SGPA : 9.23



Sania Shetty

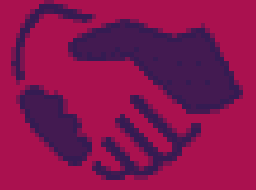
SGPA : 9.23



Sushmitha T

SGPA : 9.23

Placements



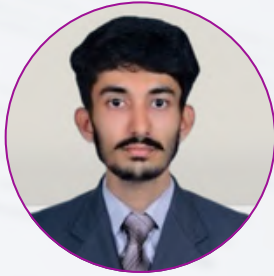
sclera

Ashwin Shenoy has been recruited by Sclera for the position of Full Stack Developer.



Infosys

Pavan D Naik and Nishal T have been recruited by Infosys for the position of Specialist Programmer.



SASKEN

Srushti and Navneeth have been recruited by Sasken for the position of Associate Software Engineer.



xoriant

Neha has been recruited by Xoriant for the position of Associate Software Engineer.



Abhinav and Lavanya have been recruited by codezyng for the position of Software Developer.

WORKSHOP/PAPER PRESENTATION/ SEMINAR CONDUCTED

Hands on Session on Node.js

Department of Computer Science and Engineering organized hands on session on “Node.js” for 4th semester CSE students in skill lab on 3rd July 2024. Mr. Dishanth from the 6th semester led hands-on sessions covering Node.js. He gave introduction of vibrant ecosystem of libraries and tools provided by the Node Package Manager (NPM), making it a preferred choice for building backend services, APIs, and real-time applications. About 114 students participated in the session. Prof. Saritha Suvarna coordinated the event.



Hands on Session on Mobile Application Development using React Native: Series-1

Department of Computer Science and Engineering organized hands on session on “Mobile Application Development using React Native: Series 1” for 6th semester ‘A’ section CSE students in LH-201 on 3rd July 2024. Mr. Havyas A M and Mr. Abhishek M students from the 6th semester led hands-on sessions covering React Native. They gave insights of react native by setting up the react native development process, libraries and framework. About 50 students participated in the session. Prof. Rajgopal K.T. coordinated the event.



Hands on Session on React: Series 1

Department of Computer Science and Engineering organized hands on session on “React: Series 1” for 6th semester ‘B’ section students in LH-202 on 3rd July 2024. Mr. Pavan Naik and Mr. Praharsh T, students from the 6th semester led hands-on sessions covering React. They gave insights of react by setting up the development environment, React components, state management, and lifecycle methods. A total of 49 students participated, with coordination by Mr. Rajgopal K.T.



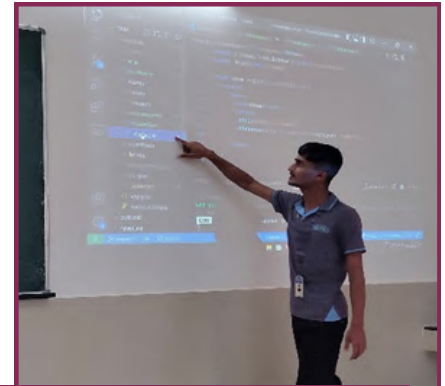
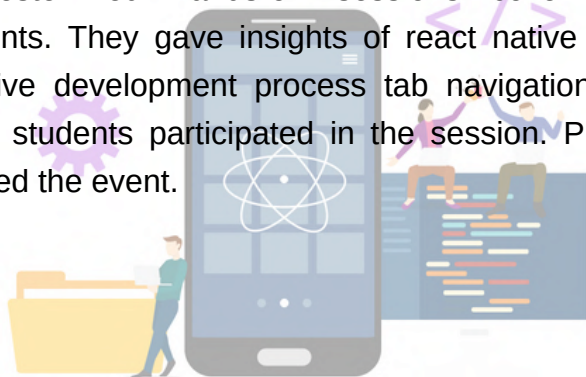
Building Robust PHP Applications with Database Connectivity

On July 8, 2024, the Department of Computer Science and Engineering at Canara Engineering College hosted a practical session for sixth-semester CSE Section-B students with the theme "Building robust PHP applications with database connectivity.", Prof. Mr. Alok Ranjan presented interactive sessions on building dynamic web applications using PHP scripts and database management systems. This includes executing queries, creating secure connections, handling errors with efficiency, and managing data transactions. In addition, he highlighted the importance of making use of PHP's features and practical database techniques to enhance application efficiency and client satisfaction. Twenty-four students attended the event, which was coordinated by Mrs. Saritha M.



Hands on Session on Mobile Application Development using React Native: Series-2

Department of Computer Science and Engineering organized hands on session on “Mobile Application Development using React Native: Series-2” for the 6th semester ‘A’ section students in LH-201 on 10th July 2024. Mr. Havyas A M and Mr. Abhishek M, students from the 6th semester led hands-on sessions covering React Native Components. They gave insights of react native by setting up the react native development process tab navigation and tab screen. About 30 students participated in the session. Prof. Rajgopal K.T. coordinated the event.



Hands on Session on Express.js

Department of Computer Science and Engineering organized hands on session on “Express.js” for the 4th semester CSE students in Skill lab on 10th July 2024. Mr. Ashwin Shenoy from the 6th semester led session on building simple rest API using Express.js. He gave introduction on HTTP Methods and building communication between front end and backend using axios. About 99 students participated in the session. Prof. Saritha Suvarna coordinated the event.



Hands on Session on React : Series 2

Department of Computer Science and Engineering organized hands on session on “React: Series 2” for 6th semester ‘B’ section students in LH-202 on 10th July 2024. Mr. Pavan Naik and Mr. Praharsh T, students from the 6th semester led hands-on sessions covering React. Topics covered were creating Todo app, routing, form handling and Tailwind CSS. About 54 students participated in the session. Prof. Rajgopal K.T. coordinated the event.



Seminar on Admist Technological Modernization



Department of Computer Science and Engineering in association with IIC and alumni cell organized an online seminar titled “Admist Technological Modernization” on 13th July 2024. Mr. Nitish Shet, Decision Scientist, MU Sigma and Alumnus from 2015 batch computer science and engineering was the resource person.



Nitish Shet
Decision Scientist
MU Sigma

The students of 4th semester computer science and engineering attended the online seminar. Nitish addressed the students about how technologies evolved, the major technological areas in industries today and what advances may be over the next few years. He provided valuable inputs on various designations of employees in the industry and what is the role played by each designation. The students were also addressed about the knowledge areas to be possessed for each role. Nitish guided the students about identification of their interests and thereby focusing on the appropriate technical skill enhancements for better opportunities in their profession. About 83 students benefitted from the seminar. The online seminar was held in the Skill lab. The seminar was coordinated by Prof. Verdine Noronha, Asst. Professor and Alumni coordinator, Dept. of CS&E and Prof. Kishor Shivathaya, Asst. Professor, Dept. of CS&E coordinated the event.



TECHNOVA-2024

TECH TODAY, TRANSFORM TOMORROW

Department of Computer Science and Engineering organized “Technova-2024” for 6th semester CSE students on 19th July 2024 in 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. About 137 students participated in the project expo with a group of 4 members in a team. The TechNova 2024 event was judged by Dr. Prahaas Amin, Prof. Alok Ranjan, Prof. Saritha M and Prof. Kavya A M. The event was coordinated by Prof. Ajay Shet and Prof. Saritha Suvarna.



Sessions on C Programming Problem Solving Strategies

SERIES 1

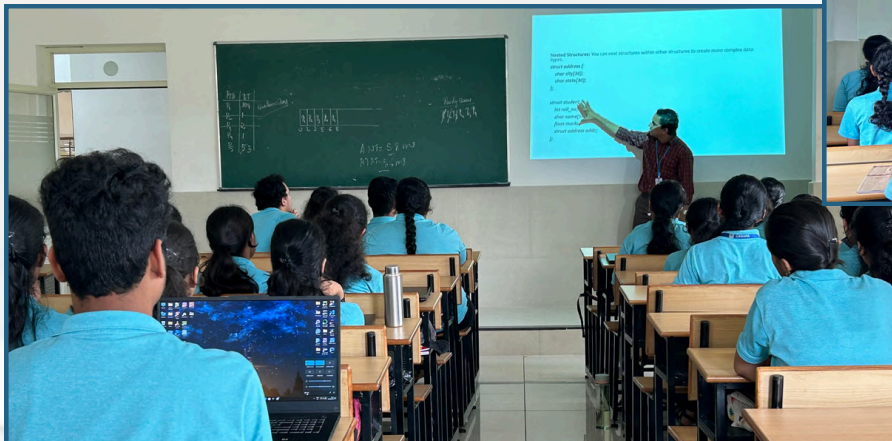
Department of Computer Science and Engineering organized a session on “**C Programming Problem Solving Strategies: Series 1**” on 4th September 2024 for 3rd semester CSE students in their respective classrooms. Mrs. Aruna Kumari G.K., Mrs. Saritha M., Mr. Janardhan Bhat K., Mrs. Sushma, Mr. Rajgopal K. T., and Ms. Saritha Suvarna conducted hands-on sessions on arrays and strings by providing various snippets to work on array operations and string manipulations. About 178 students participated in the session.



SERIES 2

Department of Computer Science and Engineering organized a session on “**C Programming Problem Solving Strategies: Series 2**” on 11th September 2024 for 3rd semester CSE students in their respective classrooms. Dr. Sunil Kumar B.L., Dr. Gurudev S. Hiremat, Mr. Alok Ranjan, Mr. Shatananda Bhat, Mr. Ajay S. Shet, and Mr. Kishore S conducted hands-on sessions on concepts of structures, unions, and pointers by improving students proficiency with programming fundamentals. About 129 students participated in the session.

```
27 #
28 def initialize(experiment, obse
29 @experiment = experiment
30 @observations = observations
  candidates = observations
  evaluate_candidates
```



SERIES 3

Department of Computer Science and Engineering organized a session on “**C Programming Problem Solving Strategies: Series 3**” on 18th September 2024 for 3rd semester CSE students in their respective classrooms. Dr. Sunil Kumar B. L., Dr. Pavithra D. S., Dr. Gurudeva S. Hiremath, Ms. Verdine S. Noronha, Ms. Sukshma Shetty, and Ms. Sowmya K conducted hands-on sessions on concepts of file handling and practiced key algorithms of sorting to solve the coding problems. About 178 students participated in the session.



SERIES 4

Department of Computer Science and Engineering organized a session on “**C Programming Problem Solving Strategies: Series 4**” on 25th September 2024 for 3rd semester CSE students in their respective classrooms. Mrs. Aruna Kumari G.K., Mrs. Saritha M., Mr. Janardhan Bhat K., Mrs. Sushma, Mr. Rajgopal K. T. and Ms. Saritha Suvarna led hands-on sessions on concepts of functions and recursion by practising the key concepts of recursion and functions. About 189 students participated in the session.



Sessions on Python Problem Solving Bootcamp

SERIES 1

Department of Computer Science and Engineering organized a session on **"Python Problem Solving Bootcamp: Series 1"** on 25th September 2024 for 5th semester CSE students in their respective classrooms. Dr. Vinay P., Mr. Rakshith M.D, and Ms. Annapurna M., led hands-on sessions on applications of python, entering expressions into interactive shells, python datatypes, and flow control statements. About 152 students participated in the session.



Sessions on C Programming Problem Solving Strategies

SERIES 5

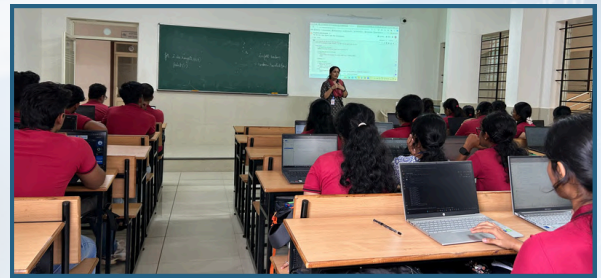
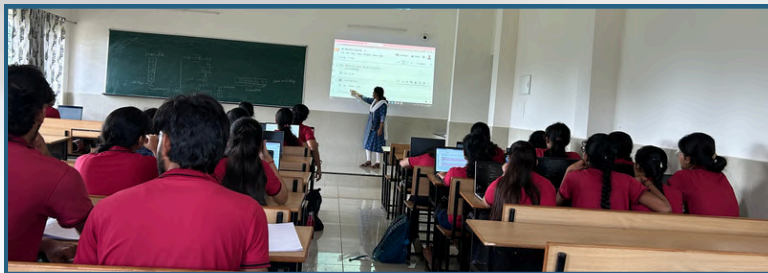
Department of Computer Science and Engineering organized a session on **"C Programming Problem Solving Strategies: Series 5"** on 9th October 2024 for 3rd semester CSE students in their respective classrooms. Dr. Pavithra D. S., Mrs. Verdine S. Noronha, Mrs. Sukshma Shetty, Mrs. Soumya K., Mr. Ajay S. Shet and Mr. Kishor Shivathaya S conducted hands-on sessions on concepts of patterns in C. About 152 students participated in the session.



Sessions on Python Problem Solving Bootcamp

SERIES 2

Department of Computer Science and Engineering organized a session on **"Python Problem Solving Bootcamp: Series 2"** on 9th October 2024 for 5th semester CSE students in their respective classrooms. Mrs. Babitha Ganesh, Ms. Kavya A. M, and Mrs. Namita A., led hands-on sessions on lists, tuples and sets. About 113 students participated in the session.



```
17  
18  
19 # An Array of Observations  
20 attr_reader :observations  
21  
22 # Internal: Create a new result  
23  
24 # experiment - the Experiment  
25 # observations: - an Array of Observations
```

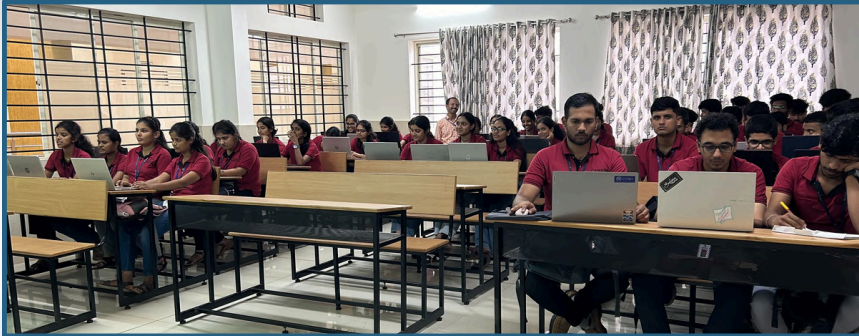
SERIES 3

Department of Computer Science and Engineering organized a session on **"Python Problem Solving Bootcamp: Series 3"** on 16th October 2024 for 5th semester CSE students in their respective classrooms. Dr. Vinay P., Mr. Rakshith M.D, and Ms. Annapurna M., led hands-on sessions on dictionaries and regular expressions. About 152 students participated in the session.



SERIES 4

Department of Computer Science and Engineering organized a session on **"Python Problem Solving Bootcamp: Series 4"** on 23rd October 2024 for 5th semester CSE students in their respective classrooms. Mr. Rakshith M.D, Mrs. Namita A., Ms. Annapurna M., led hands-on sessions on numpy packages: operations and functions. About 152 students participated in the session.



Sessions on C Programming Problem Solving Strategies

SERIES 6

Department of Computer Science and Engineering organized a session on **"C Programming Problem Solving Strategies: Series 6"** on 23rd October 2024 for 3rd semester CSE students in their respective classrooms. Mrs. Aruna Kumari G.K, Mrs. Saritha M., Mr. Janardhan Bhat K., Mrs. Sushma, Mr. Rajgopal K. T. and Ms. Saritha Suvarna led hands on session on logic building in the concepts of Arrays and Strings. About 185 students participated in the session.



SERIES 7

Department of Computer Science and Engineering organized a session on **“C Programming Problem Solving Strategies: Series 7”** on 6th November 2024 for 3rd semester CSE students in their respective classrooms. Dr. Gurudev S. Hiremat, Mr. Alok Ranjan, Mr. Shatanand Bhat, Mr. Ajay Shet, and Mr. Kishore S. led hands-on sessions on logic building in the concepts of pointers. About 170 students participated in the session.



Sessions on Python Problem Solving Bootcamp

SERIES 5

Department of Computer Science and Engineering organized a session on **“Python Problem Solving Bootcamp: Series 5”** on 6th November 2024 for 5th semester CSE students in their respective classrooms. The session was led by Mrs. Babitha Ganesh, Ms. Kavya A. M, and Dr. Vinay P., who conducted hands-on training on the pandas library. About 139 students actively participated in the bootcamp.



SERIES 6

Department of Computer Science and Engineering organized a session on **"Python Problem Solving Bootcamp: Series 6"** on 20th November 2024 for 5th semester CSE students in their respective classrooms. Ms. Babitha Ganesh, Ms. Namita A., and Mr. Rakshith M. D. led hands-on sessions generating different types of plots by using Matplotlib. About 113 students participated in the session.



Sessions on C Programming Problem Solving Strategies

SERIES 8

Department of Computer Science and Engineering organized a session on **"C Programming Problem Solving Strategies: Series 8"** on 20th November 2024 for 3rd semester CSE students in their respective classrooms. Dr. Pavithra D. S., Mrs. Verdine S. Noronha, Mrs. Sukshma Shetty, and Mrs. Soumya K. conducted hands-on sessions on logic building in the concepts of applications of lists. About 159 students participated in the session.

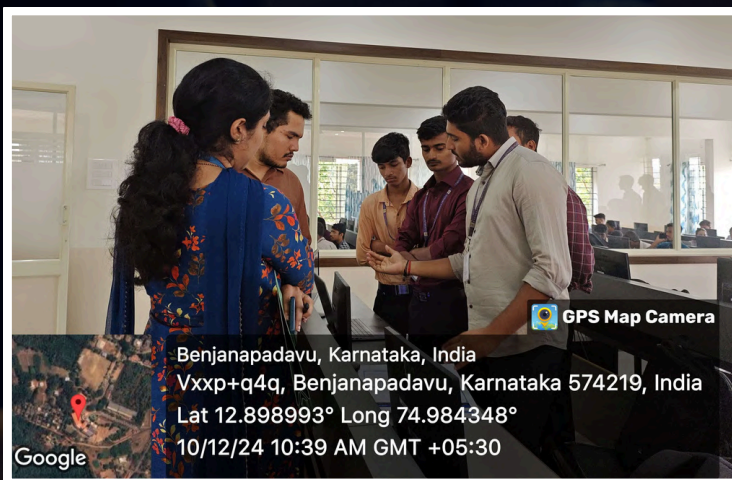


TECHSYNERGY 2024



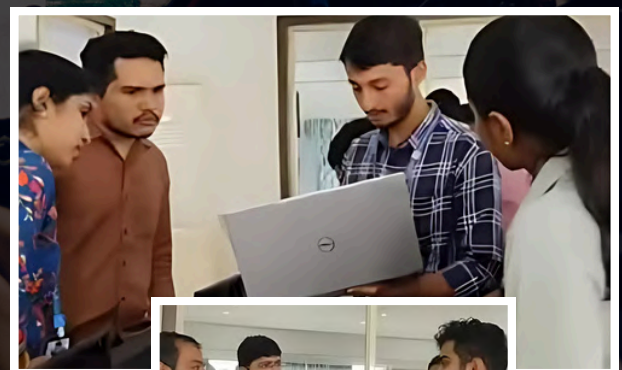
UNITING INNOVATION AND INTELLIGENCE

The Department of Computer Science and Engineering, Canara Engineering College in association with the Institutions Innovation Council(IIC), organized TechSynergy 2024 - Uniting Innovation and Intelligence a project exhibition event during the "Innovations Showcase:Project Exhibition - Exhibition Prototype" on December 10,2024. Event was scheduled from 9:00 AM to 4:30 PM. About 35 Project-teams from department of CSE have participated in the competition. Inaugural function was scheduled from 9:10 AM to 9:40 AM in Seminar Hall-1 followed by Project Evaluation from 9:45 AM to 12:15 PM at respective venues. Ravi Shankar P, Senior Software Engineer, Kakunje Software Private Limited, Mangalore, Vijesh Shenoy K, Integration Architect, Oracle Health and N Venkatesh Kamath, Software Engineer 2, Hashedin by Deloitte supported as external judges whereas Dr. Ganesh Bhat - ECE, Ms. Sourabha S Rai - CSD and Dr. Narayan Ram Naik - ISE assisted as Internal Judges. Prizes along with certificates will be awarded to all the 11 TOP Teams from various departments in the upcoming College Fest. The Event was coordinated by Mr. Janardhana Bhat K with all the guidance and support of by Dr.Gurudeva S Hiremath-Chief Coordinator(Major-Project).



OBJECTIVES

- TO DEMONSTRATE THE ROLL OF ENGINEERS TOWARDS SOCIETY AND ENVIRONMENT.
- TO IMPROVE INTERPERSONAL, TEAMWORK AND TIME MANAGEMENT SKILLS.



OUTCOMES

- DEMONSTRATED THE USE OF MODERN ENGINEERING TOOLS.
- DEVELOPED INDIVIDUAL AND INTERPERSONAL SKILLS.
- DEMONSTRATED THE COMMITMENT TO ENVIRONMENT AND SOCIETY.
- DEMONSTRATED THE MANAGEMENT SKILLS WITH ETHICAL PRACTICE.



INNOVATION SHOWCASE PROJECT EXHIBITION



The Department of Computer Science and Engineering, in association with the Institutions Innovation Council(IIC), organized an event Innovation showcase: Project exhibition for 5th semester students on 11/12/2024 from 2PM. In total 42 project teams have exhibited their project works in LH105, LH106 and LH109. Dr. Ganesh Pai, Associate Professor, Dept of ISE, Mr. Siju Soman and Mr. Arjun K, Assistant Professors from Dept of AI/ML, Dr. Gurudev S Hiremath, Associate Professor, Mr. Kishor S and Mr. Janardhana Bhat K, Assistant Professors from Dept. of CSE were the judges for the event. During the project evaluation, two best projects from each section have been identified and the judges have also provided constructive feedback on the project works to all the teams. Mrs. Babitha Ganesh Kulal, Assistant Professor, Dept. of CSE coordinated the event. During the project evaluation they have identified two best projects from each section.

OBJECTIVES

- TO ENCOURAGE THE STUDENTS TO SHOWCASE THE INNOVATIVE SOLUTIONS AND PROJECTS DEVELOPED DURING THEIR MINI PROJECT WORK.
- TO PROVIDE A PLATFORM FOR STUDENTS TO PRESENT THEIR PROJECTS AND IDEAS EFFECTIVELY TO A DIVERSE AUDIENCE.
- TO FACILITATE AN EXCHANGE OF IDEAS AMONG STUDENTS, FACULTY, AND INDUSTRY EXPERTS TO INSPIRE FUTURE RESEARCH AND INNOVATION.
- TO IDENTIFY AND REWARD OUTSTANDING PROJECTS THAT DEMONSTRATE TECHNICAL EXCELLENCE AND SOCIETAL IMPACT.

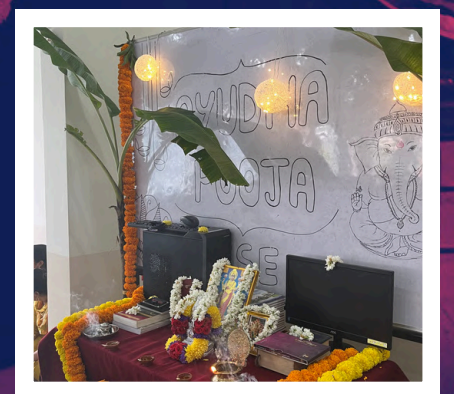


OUTCOMES

- STUDENTS DEMONSTRATED INNOVATIVE SOLUTIONS AND TECHNICAL CREATIVITY THROUGH THEIR PROJECT WORK, SHOWCASING A VARIETY OF IDEAS ACROSS MULTIPLE DOMAINS.
- PARTICIPANTS GAINED VALUABLE EXPERIENCE IN PRESENTING THEIR PROJECTS TO FACULTY, JUDGES, AND PEERS, IMPROVING THEIR ABILITY TO ARTICULATE COMPLEX IDEAS EFFECTIVELY.
- THE EVENT FACILITATED KNOWLEDGE SHARING AND COLLABORATION AMONG STUDENTS, FACULTY MEMBERS, AND JUDGES, ENCOURAGING INTERDISCIPLINARY LEARNING AND FUTURE TEAMWORK.
- OUTSTANDING PROJECTS WERE IDENTIFIED AND APPRECIATED, MOTIVATING STUDENTS TO STRIVE FOR EXCELLENCE AND CONTRIBUTE IMPACTFUL SOLUTIONS TO REAL-WORLD PROBLEMS.

AYUDHA POOJA

Ayudha Pooja was celebrated in the department of Computer science and Engineering as a part of Dussehra to seek the divine blessings of Lord Saraswati which will give more positive power to all the stakeholders in the department to prosper. Students showcased their creativity with vibrant Rangoli designs. The Faculty, staff & students of the department arranged the Bhajanas and decorated the Mantap with flowers and other offerings as prasada. The Pandit visited the department laboratory Micro Processor Lab to perform the pooja and wished the department to have more admissions and placements in future. Following the Pooja, Distributed prasada to all participants, symbolizing unity and gratitude.





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