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DEPARTMENT VISION

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

DEPARTMENT MISSION

- ◆ Provide a learning environment enriched with ethics that helps in enhancing problem solving skills of students and, cater to the needs of the society and industry.
- ◆ Expose the students to cutting-edge technologies and state-of-the-art tools in the many areas 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 among staff and students.

PROGRAM EDUCATIONAL OBJECTIVES

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

PROGRAM OUTCOMES

Engineering graduates in Computer Science and Engineering 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.

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- 1. 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.
- 2. 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.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the relevant scientific and/or engineering practices.
- 7. Individual and team work:** Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.
- 8. 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.

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9. 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.

10. 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.

11. Computer System Design: Ability to apply the knowledge of computer system design principles in building system software and hardware components.

12. Computer Communication and Internet Applications: Ability to apply knowledge of layered network Models, their protocols and technologies in building network and Internet based applications.

13. Solve Computational Problems:

Apply the theoretical foundations of computer science in modeling and developing solutions to the real world problems.

14. Software System Design and Development:

Design and develop the application software systems that meet the automation needs of society and industry.

CONFERENCE, SYMPOSIA, SEMINARS, WORKSHOPS, FDP, GUEST LECTURES ARRANGED IN THE COLLEGE.

1. Department of CSE has conducted a FDP on “*PHP & MySQL* under Spoken Tutorial, IIT Bombay funded by national mission of education through ICT, MHRD, Govt. of India” at CEC from 16/08/2016 to 16/09/2016.
2. Department of CSE has conducted a FDP on “*JAVA*, Under Spoken Tutorial, IIT Bombay funded by national mission of education through ICT, MHRD, Govt. of India” at CEC from 16/08/2016 to 16/09/2016.
3. Department of CSE has conducted a FDP on “*CS213.2x* implementation of Data Structures, Under Spoken Tutorial IIT Bombay funded by national mission of education through ICT, MHRD, Govt. of India” at CEC from 16/08/2016 to 16/09/2016

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4. Department of CSE has conducted a FDP on “CS213.2x Algorithms, under Spoken Tutorial IIT Bombay funded by national mission of education through ICT, MHRD, Govt. of India” at CEC from 16/08/2016 to 16/09/2016
5. Department of CSE has conducted a FDP on “SKARC11x 3D Architectural Visualization, under Spoken Tutorial IIT Bombay funded by national mission of education through ICT, MHRD, Govt. of India” at CEC from 16/08/2016 to 16/09/2016
6. Department of CSE has conducted a Workshop on “PYTHON Programming” at CEC from 21st-22nd October, 2016 under IIPC. Resource persons Mr. Shashanka GK, EZ Technologies Mangaluru delivered valuable talks and shared his innumerable knowledge among 74 participants.

FACULTY ACHIEVEMENTS.

1. Dr. Demain Antony D'Mello has delivered a talk on “Data Structure Applications” at AIT, Chikmanglore 27th August, 2016.

FACULTY DETAILS: CONFERENCE, SYMPOSIA, SEMINAR, WORKSHOPS.

1. Mrs. Archana R Priyadarshini attended a Eureka Workshop on “Research, Writing and Publishing” at PACE, Mangaluru from 1st -3rd September, 2016
2. Ms. Eshwaridevi Jagapur, Mr. Nagesh Shenoy H, Mr. Sudheer Baraker & Mrs. Archana Priyadarshini R attended a workshop on “CHALK TALK- A FACULTY SKILL ENHANCEMENT PROGRAM” at CEC, Mangaluru on 4th August, 2016.
3. Mr. Santhosh Kumar DK attended FDP on “Data Structure Applications” at AIT, Chikmanglore 27th August, 2016.
4. Mr. Santosh and Mr. Deepak D attended a FDP on Networking Simulation & Related technologies using NetSIM Software with Dellsoft Technologies Pvt. Ltd at Online at Dellsoft Technologies Pvt. Ltd from 21st -23rd September, 2016.

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5. Mrs. Verdine Noronha, Ms. Annapurna M attended a workshop on Workshop on “Python for Data Analytics” at Nitte,Bangalore from 26th-27th August, 2016.
6. Mr. Abhishek S Rao, Mr. Nagesh Shenoy H, Mr. Sudheer Baraker, Mr. Krishna Prasad D S, Mr. Rajgopal K T, Mr. Shatananda Bhat P, Mrs. Shivani Kamath has attended Online FDP on “Networking simulation using NETSIM” conducted by DellSoft Technologies Pvt. Ltd from 3rd-5th October, 2016.
7. Mr. Abhishek S Rao, Mr. Nagesh Shenoy H, Mr. Sudheer Baraker, Mr. Krishna Prasad D S, Mr. Rajgopal K T, Mr.Santosh and Mr.Deepak D has attended Training on Algorithms conducted by IIT,Bombay from 13th September-4th November,2016
8. Mrs. Sumathi has attended a workshop on “Information security & Cryptography” at NITK,Suratkal from 24th-28th October,2016
9. Mrs. Namratha Padiyar has attended a FDP on Big Data and Analytics at Infosys, Mangaluru from 22nd-26th August,2016.

STUDENT DETAILS: CONFERENCE, SYMPOSIA, SEMINAR WORKSHOPS.

1. Akshay Pai, Pavan Pai, Chethan Prabhu K, Praveen Shenoy, Akshatha Shenoy, Vishala Kini, Rashmitha M , Athul D Shenoy, Prathik Prabhu G, Vishak M, Bimba s Pawar, Sanjan Alva, Jyothi, Ananya K, Preetham G Nayak, Varsha Bhat D, Suneha B Shetty, K Ananth Nayak, Ahlam I M, Joshma, Arjun Rao H, Thejashwini J Hegde, Ashish Amin, Joishy Sushma Govind, Brijesh Borkar, Akshay Sheoy, , Aravind N J, Ganesh Prabhu, Rakshitha,Tejas Bangera, Sandesh Mallya, Vignesh Karkera, Nikitha Churya, Reema Leneesha, Roger Walter Ferenandes, Rashmi Shenoy M, Vishal Shenoy has attended a “**Workshop on Ethical hacking by Ankit Fadia**” at Sahyadri College of Engineering & Management, Mangaluru on 28th October,2016.

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2. Shravan Acharya, Shraddha kamath k, Sushmitha Kamath H, U Mangala Nayak has attended a Workshop on **“HTML5 Application Development Fundamentals”** at CEC Mangaluru, Organized by Host Zyro and Sahyadri College of Engineering & Management, Mangaluru from 19th -20th August 2016.
3. Shravan R Bhat, Sukhada Chokkadi, Siddhanth Ucchil, Smitha seetharam Gatty, Shraddha Kamath K, Sanjana Prabhu,Ahlam I M, Suraj Shenoy, Swathi, Tejas Bangera, U Mangala Nayak has attended a **“Training on JAVA”** at CEC,Mangaluru on 27th October 2016
4. Smitha seetharam Gatty, Sukhada Chokkadi, Siddhanth Ucchil, Sanjana Prabhu, Swathi, Sushmitha Kamath H, U Mangala Nayak has attended a Training program on **“Ethical Hacking”** Conducted by Dalvik Apps at NMAM Institute of Technology, Nitte on 8th and 9th October,2016
5. Smitha seetharam Gatty and Swathi has attended training on Dimpoma in **“Python”** Course at MICE from 15th Jun-14th August 2016
6. Smitha seetharam Gatty has attended a solo course on **“SQL Fundamental & HTML Fundamental”** on 17th September 2016
7. Sanjana Prabhu, Siddhanth Ucchil, Sukhada Chokkadi, Amit Anand Acharya, Ahlam I M, Sushmitha Kamath H and Shravan R Bhat has attended Workshop on **“Python Programming”** at CEC,Mangaluru on 21st-22nd October 2016.
8. Amit Anand Acharya has participated in **MAKE-A-THON** held at CEC, Mangaluru on 5th -6th November 2016

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9. Siddanth Uchil, Ahlam IM, Tejas Bangera, Vignesh Karkera has attended a workshop on **Website Replication** at Sahyadri College of Engineering & Management, Mangaluru on 16th October 2016.

10. Tejas Bangera, Vignesh Karkera has attended a workshop on “**Web Development**” at Sahyadri College of Engineering & Management,

of Kannada Rajyotsava-2016 at CEC, Mangaluru on 1-11-2016 secured first place

3. U Mangala Nayak participated and secured first place in Drawing competition held on account of Kannada Rajyotsava-2016 at CEC, Mangaluru on 1-11-2016

STUDENT DETAILS: CULTURAL EVENTS ATTENDED BY THE STUDENTS.

1. Shravan R Bhat, Shravan Acharya participated in quiz competition conducted on account of Kannada Rajyotsava-2016 at CEC, Mangaluru on 1-11-2016.
2. Sukhada Chokkadi participated in singing competition held on account

STUDENT PLACEMENTS

64 students out of 129 got placed in companies like Infosys, Mindtree, Globaldelight, TechMahindra, JUS PAY, 99Games, Amazon, Robosoft, Cigital with an annual package starting 3.5 lakhs to 16.5 lakhs.

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SPECS CONDUCTS ORIENTATION DAY AND BRANCH ENTRY



SPECS – Departmental Association (Students Processed for Excellence in Computer Science) of Canara Engineering College conducted the Orientation day and Branch Entry programme for second year students of Dept. of Computer Science and Engineering on Thursday 4th August 2016.



The programme started at 2:00 PM and Miss. Aishwarya, Miss. Shruthi, Miss. Shruthi Prabhu, and Miss. Vidya from 4th year, offered prayers to the lord. The Principal, Dr. Ganesh V Bhat, and Head of Department, Dr. Demian Antony D'Mello, presided over the inaugural function. The SPECS faculty coordinator Prof. Annapurna .M and SPECS student coordinators Miss. Sneha K and Mr. Niranjana NK, together with the Principal and HOD inaugurated the Branch Entry and Orientation function by lighting the lamp.

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SPECS student President, Miss. Sneha K welcomed the gathering. In his brief address to the students, the Principal, Dr. Ganesh V Bhat, advised them to be dedicated, committed and focused towards academics and to showcase their talents in both curricular and extra-curricular activities for having an edge over their peer group. SPECS Student Vice-President, Mr. Niranjana NK, proposed the vote of thanks .

The formal function was followed by the Orientation programme. Dr. Demian Antony D'Mello, Head of Department, addressed the new entrants. In his address to the students, he briefed them regarding the facilities available in the college, especially in the Computer Science Department like the internal training, mini projects, etc., and asked the students to make use of all the facilities. He also advised them to take interest in academics apart from the extra-curricular activities. The faculty and staff of the department were also introduced to the new students.



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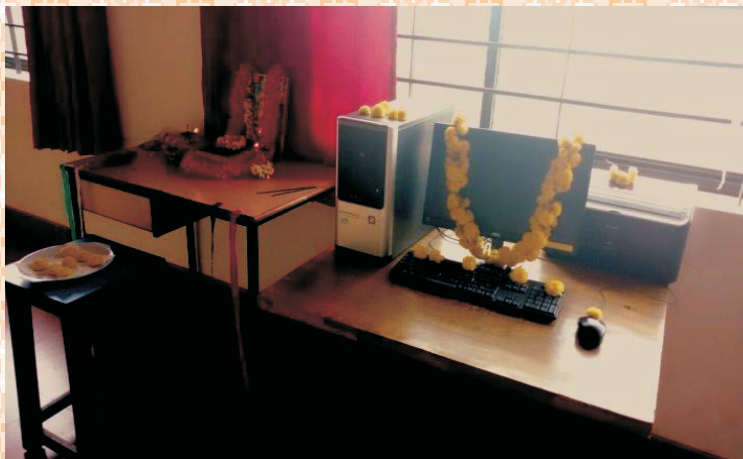
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The events were well organized by Miss. Ashitha Kini, Miss. Madhuri, Mr. Imam, Mr. Laxman, Mr. Jayadev, Miss. Tripthi K, Mr. Shreyas Prabhu, Mr. Ujwal Nayak, Miss. Nikitha, Mr. Siddhanth, Miss Sridevi and other event coordinators and volunteers. Refreshments were also served. The programme concluded at 4:30PM

AYUDHA POOJA CELEBRATION



Department of CSE conducted ayudha pooja on 08/10/2016 in the presence of Head of the Department, faculty members and students. After the pooja prasada was distributed to the gatherings.

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Python Workshop under IIPC



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