

CANARA ENGINEERING COLLEGE

INFORMATION SCIENCE & ENGINEERING



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NEWSLET

IKSHA

The vision



DEPARTMENT VISION

To be a premier Department in Information Science and Engineering by providing an excellent learning environment that encourages innovation and leadership among engineers in order to meet the demands of ever-changing industries.



DEPARTMENT MISSION

1. To impart leadership quality and communication skills in the field of Information Science & Engineering.
2. To train and transform young students to become technology thinkers and facilitate quality ventures which meets the industrial and societal needs.
3. Encourage students to become well-rounded in their professional competencies.

Chief Editor ISE:

Geethalaxmi
Asst. Professor

STUDENT EDITORS



Maneesha Shetty
VII IS



Shwetha S Pai
V IS



Akash Pai
III IS

DEPARTMENTAL ACTIVITIES

FAREWELL to FINAL Years

CIPIX organised Farewell function for 8th semester. Program begun at 2:00 pm, Prof. Sunil Kumar B.L. Head of the department, addressed the Student and also Prof.Vasanth Nayak delivered key guidance for the outgoing students. Student coordinators conducted many activities for outgoing students and junior students performed many cultural programs Finally function came to an end with snacks at 4:00 PM.



PROJECT EXHIBITION

Project exhibition for the final year student projects conducted on 23-05-2017. Students exhibited their projects and shared their knowledge. A total of **90 students of various departments** had been visited the exhibition and got benefited.



NSS EVENTS

National Service Scheme members of department visited Snehasadana, to help HIV infected children. Student Volunteers of ISE dept. accompanied by Prof. Vasanth Nayak visited the organization and conducted few activities and donated contribution collected from the department



- National Service Scheme members of department Conducted “Swachh CEC” activity on 4th March 2017. This was organised by Prof. Vasanth Nayak along with student volunteers of ISE dept. This was inaugurated by our principal Dr. Ganesh V. Bhat and the head of the department Prof. Sunil Kumar B.L.



TALK BY ALUMNI

Lumitha Coutina, alumni of CEC, placed in Cap Gemini addressed the 4th year students on 30th January 2017, who just finished her 6 months training programme and told how punctuality and hard work are the key factors to achieve success.

FACULTY ACHIEVEMENTS

- Prof. Sunil Kumar B.L. was the paper reviewer for the International Conference on Emerging Trends in Engineering (ICETE - 2017) held on May 12th 2017 at NMAMIT, Nitte.
- Prof. Sunil Kumar B.L. was invited as a judge for "EXPRO - 2017" 8th sem CSE student project exhibition held on April 7th 2017 at NMAMIT, Nitte.
- Prof. Sunil Kumar B.L. was invited as a judge for "KAUSHAL - 2017" final year student project exhibition held on May 18th 2017 at PACE, Mangaluru.
- Prof. Sunil Kumar B.L. has successfully completed and received A grade in "3D Architectural Visualization" a Course of study offered by IITBombayX, an online learning initiative of Indian Institute of Technology Bombay, Jan 26th 2017
- Prof. Ramesh Nayak is selected as Reviewer for 1st International Conference on Smart Computing & Informatics (SCI), 3-4 March 2017, ISSN: 2190-3018. The books of this series are submitted to SCOPUS, EI-Compendex and Springerlink
- Prof. Ramesh Nayak is selected as Reviewer for SCOPUS indexed International Journal, Pattern Recognition Letters, Available online 22 May 2017, ISSN 0167-8655. (<http://www.sciencedirect.com/science>)
- Prof. Ramesh Nayak is selected as Reviewer for SCOPUS indexed International Journal, Pattern Recognition Letters, Available online 18 April 2017, ISSN 0167-8655. (<http://www.sciencedirect.com/science>)
- Prof. Ramesh Nayak is selected as Reviewer for SCOPUS indexed International Journal, Journal of Computational Science (JOCS-D-16-00500, JOCS-D-16-00503, JOCS-D-16-00503R1), ISSN: 1877-7503.
- Prof. Ramesh Nayak is selected as Reviewer for SCOPUS indexed International Elsevier Journal, Computers in Biology and Medicine, ISSN: 0010-4825.

Technical Papers Published/ Presented

- Prof. Sunil Kumar B.L. published research paper titled "Improved Image steganography with genetic algorithm & Visual Cryptography" at JNANASANGAMA-2017, National Level Conference held in VCET, Puttur, on 13th May 2017
- Prof. Sunil Kumar B.L. published research paper titled "Comparative Study on SIFT and SURF Face Feature Descriptor" in the International Conference on Inventive Communication and Computational Technologies (ICICCT-2017), held during 10-11, March 2017, at the Ranganath Engineering College, Coimbatore, India.
- Prof. Ramesh Nayak published research paper titled "Segmentation of Brain Tumor Based On TSALLIS Multi-Thresholding And Level Set", published in the proceedings of "The society for design and process science" (SDPS-2016), The 21th International Conference on Emerging Trends and Technologies in Designing Healthcare Systems, ISSN: 1090-9389, December 4-6, 2016, pp 1-6.
- Prof. Sadhana B published a paper titled " Development of Quadcopter based pesticide spraying mechanism for agricultural applications" in the International Journal IJREEICE -NCAEE-17 VOLUME 5 special issue 2 April 2017.
- Prof. Shilpa B published a paper titled " Technology Used for Blind Indoor Navigation System Using Li-Fi" in the International Journal IJREEICE -NCAEE-17 VOLUME 5 special issue 2 april 2017.

- Prof. Shilpa B presented a paper titled "Agricultural Robots: A Different Approach- A review" in the National Level Conference held in VCET, Puttur, on 13-5-2017.
- Prof. Pragathi Hegde published a paper titled "Clothing Pattern Recognition for visually impaired people" in the International Journal IJCESR-Volume IV, Issue IV, 2017.
- Prof. Vasanth Nayak published the paper titled "A Password Saver App with Security and Restoring Measures" is published in International Journal of Current Engineering and Scientific Research (IJCESR) in volume IV, Issue IV, 2017 bearing ISSN 2393-8374.
- Prof. Geethalaxmi published a paper titled "A technique for computer system control using voice commands for examination" in the International Journal IJCESR-Volume IV, Issue IV, 2017.
- Prof. Ramesh Nayak published research paper titled "Speed Limit Sign Detection for Driver Assistance" at National Level Student Conference held in VCET, Puttur, on 13th May 2017.

WORKSHOP ATTENDED

Prof. Sunil Kumar B.L. attended one day workshop on "Faculty Leadership Program" held on 11th February 2017 organized by Internal Quality Assurance Cell (IQAC) at Canara Engineering College, Bantwal.

Prof. Ramesh Nayak and Prof. Pragathi Hegde attended two days Faculty Development Program on "Lab to Market through Technology Readiness" from 27th to 28th January 2017.

Prof. Vasanth Nayak attended two day faculty development programme (FDP) on ARM 7 Processor and KEIL IDE organised by dept. of ISE Alava's Institute of Engg. & Technology Moodbidri from 23rd to 24th Jan 2017.

Prof. Geethalaxmi & Prof. Narayan Naik has participated in two days faculty Enhancement Programme conducted by Canara Engineering College from 27th to 28th January 2017.

Prof. Narayan Naik published research paper titled "Oral Cancer Detection Using Android Applications" at International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSE) in volume 7, issue 5, May 2017.

Prof. Narayan Naik published research paper titled "Oral Cancer Detection Using Android Applications" at International Journal of Emerging Research in Management and Technology (IJERMIT) in volume 6, issue 5, May 2017.

STUDENT NEWS STUDENT ACHIEVEMENTS

- Information Science and Engineering department achieved 60% placement in the year 2016-17. 31 students got placed in various companies.
- The project titled "Oral cancer detection using android application" by the students Anusha Amin(4CB13IS009),



Dechamma K.C(4CB13IS014), Deepthi B.A(4CB13IS017), Nidhi Hegde(4CB13IS032) under the guidance of Prof. Narayan Naik, Assistant Prof, Dept. of ISE has been funded by Karnataka State Council for Science and Technology (KSCST) Student Project Programme (SPP) for the year 2016-17. This team even selected for state level Project Presentation.

- Mr. Adithya Sandeep and Ms. Gowri Rao from IS branch have participated in the paper presentation on the topic PARKING GUIDANCE SYSTEM USING IOT and bagged 1st place at ALVA'S Engineering College on 20th May 2017.



TECHNICAL PAPERS PUBLISHED/ PRESENTED

- Puneeth G Hedge (4CB13IS056), Shyama Kiran(4CB13IS045), Gourav Naik(4CB13IS022), Mythri RJ(4CB13IS029) presented a paper titled "Development of Quadcopter based pesticide spraying mechanism for agricultural applications" in a national conference JnanaSangama-2016 held at NMAMIT NITTE and the same had been published in the International Journal IJREEICE -NCAEE-17 VOLUME 5 special issue 2nd April 2017.
- Manisha K.(4CB13IS026), Pratheeksha N.(4CB13IS034), R. Priyanka.(4CB13IS037), Vinay Kumar(4CB13IS053) presented a paper titled "MAP-V Secucam Using Pixel to Pixel Matching Algorithm" in a national conference JnanaSangama-2016 held at NMAMIT NITTE and the same had been published in the International Journal IJREEICE -NCAEE-17 VOLUME 5 special issue on 2nd April 2017.
- Dhanyashree S(4CB13IS018.), Abhijith Shenoy H(4CB13IS001.), Biddappa KN(4CB13IS011.), Manisha M. Shetty(4CB13IS027) presented a paper titled "Technology used for Blind Indoor Navigation System for Visually Impaired People using Li-Fi." in a national conference JnanaSangama-2016 held at NMAMIT NITTE and the same had been published in the International Journal IJREEICE -NCAEE-17 VOLUME 5 special issue 2nd April 2017.

- Akshatha S(4CB13IS006), Thrapthi K Shetty(4CB13IS048), Utthara Kamath G(4CB13IS049), Y Shreya D Shetty(4CB13IS054) published a paper titled "A Technique for Computer System Control Using Voice Commands for Examination " in international journal IJCESR in VOLUME IV, Issue IV in the year 2017.
- Chaithra D S(4CB13IS012), Geethanjali S(4CB13IS021), Nidhi A Bhomkar(4CB13IS031) published a paper titled "Clothing Pattern Recognition for Visually Impaired People" in international journal IJCESR in VOLUME IV, Issue IV in the year 2017.
- Divyashree DK(4CB12IS016), Deekshitha Rai(4CB13IS016), Shweta S(4CB13IS043), Aishwarya Kamath(4cb13is055) published a paper titled "A Password Saver App With Security And Restoring Measures" in international journal IJCESR in VOLUME IV, Issue IV in the year 2017.
- Abhishek S(4cb13is003), Akshay V(4CB13IS007), Ganesh Shenoy(4CB13IS020), Preetham A(4CB13IS035) presented a paper titled "Speed Limit Sign Detection for Driver Assistance" in the national conference JNANASANGAMA-2017 held at VCET Puttur on 13-MAY-2017.
- Akshata J Pai(4CB13IS005), Deekshitha Pakkala(4CB13IS015), Divyashree M Bekal(4CB13IS019), Vandana R S(4CB13IS051) presented a paper titled "Improved Image Steganography with Genetic Algorithm and Visual Cryptography" in the national conference JNANASANGAMA-2017 held at VCET Puttur on 13-MAY-2017.
- Abhishek Karanth K(4CB13IS002), Anish Prabhu(4CB13IS008), Mahima Nayak(4CB13IS025), Samadarshini B.P(4CB13IS039) published a paper titled "Voice to digital display conversion using lcd in moving fashion" in the international conference ICETSE-2017.
- Aishwarya B (4CB13IS004), Arjun K V (4CB13IS010), Chethan D S (4CB13IS013), Shraddha D Shetty (4CB13IS040) published a paper titled "IOT Based Air and Sound Pollution Detecting System " in the international conference ICETSE-2017.
- Rachana R(4CB13IS038), Shwetha N(4CB13IS044),Soumya D Kamath(4CB13IS046),Vaishnavi Prabhu(4CB13IS050) published a paper titled "An Efficient tool to tackle safety Measures in Vehicle using Raspberry Pi" in the international conference ICCCCIT 2017.
- Athish S (4CB12IS007), Vijay Shetty(4CB13IS052), Yogain Kumar(4CB12IS055) published a paper titled "Automatic brightness adjustment of streetlights based on the presence of vehicles" in the international conference IJARCSSE 2017.
- Anusha Amin(4CB13IS009), Dechamma K.C(4CB13IS014), Deepthi B.A(4CB13IS017), Nidhi Hegde(4CB13IS032) published a paper titled "Oral cancer detection using android application" in the international conference IJARCSSE 2017.

CULTURAL EVENTS

- The students of ISE participated in Aithiya Parvah on the 1st of March which was a theme based inter branch event during Xstatic '17 at Canara Engineering College. The theme given was Tulunadu VAIBHAVA.



The second, third and fourth year students joined forces and presented their best and bagged the second place. They had an array of interpretations of the different art forms of Tulunadu like Aati kalinja , Kangil dance and Pili dance to name a few. The interpretation of Devi and Mahishasura by the 4th year ISE students Mahima Nayak and Abhishek Suvarna were the highlight of the performance.!

- Mahima Nayak of 8th sem IS had taken part in group dance competition held on 16-02-2017 at Shri Madhwa Vadiraja institute of technology and management Udupi.

NON-TECHNICAL EVENTS

- Manisha Shetty ,Vandana R S, Neetha Shenoy, Aruna Prabhu had participated in creative cards competition dated on 11-03-2017 during Women's day Celebration.
- Manisha Shetty ,Vandana R S ,Mythri R J ,Vaishnavi Prabhu participated in Bulletin competition dated on 11-03-2017 during Women's day Celebration.
- Mahima Nayak of 8th sem IS had taken part in treasure hunt competition held on 16-02-2017 at Shri Madhwa Vadiraja institute of technology and management.
- Shreya shetty, Uttara kamath, Dhanyashree, Akshatha Pai, Deekshitha Pakkala, Vandana R.S, had taken part in BUG HUNT event during xstatic dated on 03-03-2017.
- Shradha Shetty and Shwetha had taken part in RANGOLI event during xstatic dated on 01-03-2017. Thrapthi, Soumya kamath, Akshatha pai had taken part in Paper Presentation event during xstatic dated on 02-03-2017.
- Manisha Shetty, Vaishnavi Prabhu, Divyashree D.K., Divyashree Bekal, Shwetha S, Deekshitha Rai had won second place in Treasure Hunt event during xstatic dated on 4th March 2017.
- Manisha Shetty, Vaishnavi Prabhu had taken part in Treasure Hunt event during xstatic dated on 04-03-2017.

- Mahima Nayak, Ganesh Shenoy, Abhishek Suvarna, Akshay V had taken part in TULUNADA VAIBHAVA event during xstatic dated on 01-03-2017.
- Mahima Nayak has won second place in GROUP DANCE event during xstatic dated on 04-03-2017.

SPORTS NEWS

- Abhishek Suvarna had participated in cricket tournament held at Manipal dated on 8th March 2017 and They were runners up of that Tournament.
- Rahul Bidappa had taken part in Hockey tournament held at Manipal dated on 8th March 2017.
- Ganesh Shenoy had taken part in VTU level Mangalore zone Volleyball tournament on 28th March 2017.

INDUSTRIAL VISIT

On 24th Feb 2017, Sixth Semester Students have visited **MOBINIUS Technologies Pvt. Ltd Banashankari, BENGALURU for "Industrial Visit"**. Students/Faculty interacted with company CO. Mr. Lokesh M, HR Manager Mr. Murali Mohan M and his team mates Mr. Bhuvanesh R and Ms. Manjula A, Developer Mr. Aneesh D N. The visit was fruitful.



TECHNICAL FEST

CAN-TECH technical fest has organized in the college from 1st March 2017 to 4th March 2017. Under the fest department has organized various events like Bug Hunt, C-Around, Paper Presentation, Technical Workshop and Treasure Hunt. Student of various department have Participated in the events.

- BUG-HUNT was organized on 3rd March 2017. Prof Pragathi Hegde coordinated the event.



- C-AROUND-was conducted on 1st March 2017. Prof. Vasanth Nayak Coordinated the event.



- PAPER PRESENTATION was held on 2nd March 2017. Prof Ramesh Nayak and Ranganth were the judges of the event.



- TREASURE HUNT event was conducted in the department on 4th March 2017. Prof.Ranganath K coordinated the event



HTML5 workshop was conducted on HTML5 for one day on 2nd March 2017. Students of IS& CS department have participated. Prof. Geethalaxmi & Prof. Saritha S were the resource persons.

