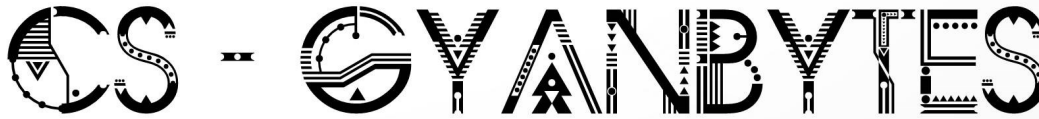




KAMMAVARI SANGHAM (R) 1952 K. S. INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING NEWSLETTER



DEPARTMENT VISION AND MISSION

Vision

“To create competent professionals in Computer Science and Engineering with adequate skills to drive the IT industry”

Mission

1. Impart sound technical knowledge and quest for continuous learning.
2. To equip students to furnish Computer Applications for the society through experiential learning and research with professional ethics.
3. Encourage team work through inter-disciplinary project and evolve as leaders with social concerns.

VOLUME 3 | 2018



Sri Ramachandra Naidu

President



Sri K Venkatesh Naidu

Secretary



Sri D Rukmangada

Treasurer

It gives us immense pleasure to present the 3rd edition of “CS-GYANBYTES” newsletter. This is the collective effort of both the students and faculty members of the Computer Science and Engineering department. We are sure avid readers will enjoy reading this newsletter.

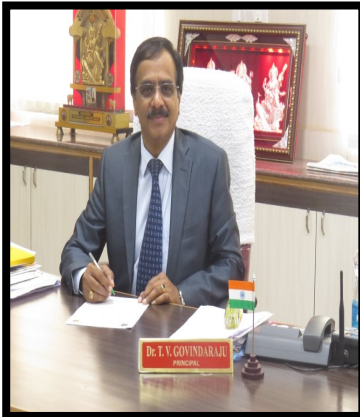
GOOD LUCK



At KSIT, we strongly believe in the overall development of our students with adequate social responsibility and sensitivity. I am very happy that my colleagues in the department of Computer Science and Engineering have been very successful in spotting the talents in our students and harnessing them and enabling our students to learn beyond the syllabus content through experiential learning from various live and ongoing projects that are present in our institution. All their efforts and learning are being showcased in this newsletter “CS-GYANBYTES”. I wish the staff and our talented students the very best in both their professional and personal lives.

—Dr. K V A Balaji

CEO



At KSIT, we offer a holistic educational experience through various innovative teaching approaches. Guided by experienced faculty, you will have the opportunity to work in teams, and resolve problems. By the time you graduate, you will be a confident, resourceful problem-solver and presenter who will be an asset to any organisation. Life on campus is both enriching and exciting. As a KSIT student, you have access to excellent facilities to enhance your capabilities. Broaden your network and enjoy your time in KSIT by participating in Co-Curricular Activities, which span from Interest Groups to Clubs, to nurture your creativity, interests and interpersonal skills. Wishing you all the best.

—Dr. T V Govindaraju

Principal/Director



The department has well qualified, experienced and committed faculty to provide qualitative, industry tuned education to students. The department infrastructure fulfils and supports learning skills on the latest technology in the industry. The students are moulded with multi-dimensional skills covering all the required graduate attributes. Every year, the department releases its newsletter highlighting academic, co-curricular activities of staff and students. The release of this newsletter is a significance of all the achievements and news that the department has to share. I wish the students all the best in all their future endeavours.

—Dr. Rekha B Venkatapur

Professor and Head

Computer Science and Engineering

NATIONAL CONFERENCE

Kammavari Sangham Institute of Technology wore a festive color on 10th May,2017. It was a congregation for research scholars and students from across the country to hear and envision solution that benefit scholarly communication. The National Conference was held on **Current Advancement in Science and Technology**.

The conference was inaugurated by the chief guests and eminent personalities from the sphere of science and technology. The chief guests for the day were Dr. K. Ramachandra, former Director GTRE, DRDO Bangalore and Dr. L. V. Muralikrishna Reddy, former President IEI, Kolkata and was presided by the management of Kammavari Sangham group of Institutions and our endearing Principal Dr. T. V. Govindaraju. About 300 papers were presented in the conference at different venues by the various departments in our college along with the Library and Physical Education sector. In each session, the best paper was selected by the session chair and the presenter was awarded with a certificate, memento and a cash prize.

ACHIVEMENTS BY KAMMAVARI SANGHAM INSTITUTE OF TECHNOLOGY, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

THEME : **Networking, Image Processing and Multimedia (NaCoNIM)**

No. of Papers Presented : **41**

Session 1:

Session Chair: **Dr. S. BALAJI**

Venue 1: CS Seminar Hall

Best paper:- **“Autonomous Car on Raspberry Pi using Open CV”** by the authors Apoorva Rai N, Anushreee, Manasa Gowri, Avvari Rachana, guided by Mr. Pradeep Kumar G H, Assistant professor, CSE department, KSIT.



Session 2:

Session Chair: **Dr. S. BALAJI**

Venue 1: CS Seminar Hall

Best paper:- **“Metaphase Mobile Application For Language Translation”** by the authors Amulya.K.Murthy, Shri Raksha N, Varsha R, Soumyashree, guided by Mr. Kumar K, Assistant Professor, CSE department, KSIT.



Session 3:

Session Chair: **Dr. GIRIJAMMA H.A.**

Venue 2: Computer Programming Lab

Best paper:- **“Motion Based Traffic Light Control System”** by the authors Sandhya.B.R , Deekha M N, Shwethashree R ,Darshana S, guided by Mr. Roopesh Kumar B N., Assistant Professor, CSE department, KSIT.



NATIONAL CONFERENCE

Session 4:

Session Chair: **Dr. GIRIJAMMA H.A.**

Venue 2: Computer Programming Lab

Best paper:- **“Differentially Private Online Learning - Multimedia Big Data”** by the authors Poornapragna Vadiraj, Sohan M V, Chinmay S Watwe ,Thejas B S & guided by Mr. Sanjoy Das , Assistant professor, CSE department, KSIT.



Session 5:

Session Chair: **Dr.S.V.SHEELA**

Venue 3: Microprocessor Lab

Best paper:- **“Near Field Communication (NFC) Food Ordering System”** by the authors Anirudh K R, Karthik K S, Aditya R, Mahinder P, guided by Ms. Deepa S R, Assistant professor, CSE department, KSIT.



Session 6:

Session Chair: **Dr.S.V.SHEELA**

Venue 3: Microprocessor Lab

Best paper: **“An Approach to Save Energy in Cloud Computing using Fog Computing”** by the authors Kruthika Vittal , Harshitha C A, Sangeetha G, Monica Nag S, guided by Mr. Kushal Kumar B N, Assistant professor, CSE department, KSIT.



Session 7:

Session Chair: **Dr.RAMA MOHAN BABU**

Venue 1: CS Seminar Hall

Best paper: **“Investigation and implementation of Bit Vector Encoding in ontology models for IOT ”** by the authors Divya.N, guided by Mr. Harshavardhan J.R, Assistant professor, CSE department, KSIT.



SMART INDIA HACKATHON-2018



The members of the team “ELECTRIC SHEEP” who won the first place at Udaipur in the Smart India Hackathon, held on 30-31st of march 2018 , are Aditya Kumar N. S, Siddharth Meharwade, Apoorva V, Adithi Hande T, Phaneendra A R, Abhishek.M and the mentors were Mr. Srisha Mahuli, Mr. Kumar K . It was an interesting and exciting event, the cash prize was 1 Lakh rupees. The students had to compete with many other rival teams for 36 continuous hours and had to develop a product based on the problem statement given by the particular ministry. This team won the first prize under the ministry of railways.



The other team “ECHO18” which was competing at Panipat won the 2nd prize under the department of telecommunication and the members were S N Shreyas, Kushal S T, Harini B H, Keerthana V, Prabhu B, K Tarun Naidu and the mentors for the team were Mr. Ranjan and Mr. Pradeep G H. The cash amount was 75 thousand rupees.

SIH-2017

Ranjan. B, Aditya Kumar. N. S, Shruvan Bhat, Srisha Mahuli, Shri Raksha N, Siddhanth. M, Abhigna. A, Darshan S. K won the 1st place, receiving a prize money of 1lakh, at a 36 hours, national level, non-stop coding competition called “Smart India Hackathon 2017” held on 1st & 2nd April, 2017. The event was organized by MHRD at Jaipur.



About SIH



In order to work towards our PM’s vision, MHRD, All India Council for Technical Education (AICTE), Inter Institutional Inclusive Innovation Center (i4C), and Persistent Systems organized Smart India Hackathon, a unique initiative to identify new and disruptive digital technology innovations for solving the challenges faced by our country.

Till date, 45+ union ministries and departments and 18 state governments have already joined this grand initiative, making it much bigger than any other hackathon currently conducted. Through this initiative, govt. departments will directly engage with thousands of technical students and challenge them to build digital solutions to improve their efficiency, plug revenue leakages and corruption.

This 36 hour, non-stop, digital product development competition, focuses on harnessing creativity and expertise of the nation’s youth.

CSI ACTIVITIES

DBMS HANDS ON WORKSHOP

The KSIT CSI Student Branch conducted a 2 day workshop spanning from the 11th to 12th of September, 2017. The speakers at the event were Mrs. Sougandhika Narayan, Mr. Pradeep Kumar G.H, Mr. Kumar .K and Ms. Impana, Assistant professors, Dept. of CSE, KSIT.

Gist of the Event: The students were trained to create a database, use the created database, create tables, update them, modify and alter them.

The Workshop included:

- Fundamental HTML tags which were necessary to start building the front end of project.
- Protocol standards set by the W3C.
- The most essential concepts of connecting the front end to the back end and to make information available to the user by retrieving it from database.



WORKSHOP ON NS2 AND DATA MINING

The workshop was conducted on 13th October, 2017 under CSI student chapter. The major topics were covered by Mrs. Sangeetha. V, Mrs. Deepa S. R, Mrs. Vaneeta. M, Mrs. Priyanga and Mr. Pradeep K. R, Department of Computer Science and Engineering, KSIT, Bengaluru.

CG MINI PROJECT EXHIBITION

15 Projects were evaluated by Dr. K N Ramamohan Babu, HOD ISE, DSCE, Bangalore. First Prize—" 2D and 3D Bus stop" by Parth Purohit Second Prize—" Save Electricity" by Achuth S R. Consolation Prizes - 1. "Scuba Dive" by Mamtha P N and 2. " Dispersion of Light" by Manasa M. The event was held on 11th May, 2017.



CSI ACTIVITIES

Additional Activities

- Dr. Prakash, former Chairman ,CSI Bangalore chapter delivered a technical talk on “Fourth Generation Technologies”. The event was held on 17th February, 2018.
- The KSIT CSI Student branch conducted a seminar where Mr. Somshekar from Global Opportunities Pvt. Ltd. addressed the students about Overseas education. A brief introduction was given about various opportunities in different countries for further studies. The event was held on the 28th August, 2017.
- Ms. Veena, Mr. Mohith Hegde and Mr. Gunashekhar from Creative Infotech, Bangalore, conducted a workshop on iOS App Development Prototyping on 15th October, 2017. The workshop was organized under the CSI student chapter for the 5th and 7th semester students.



- DBMS Mini Project Exhibition and Competition was held on 27th November, 2017 for the 5th semester students. 13 projects were showcased at the competition. Dr. Anjan K, Assistant Professor, CSE department, RVCE was the judge for the event and awarded the first prize winner, Kushal S T with Rs.3000 for the project titled “Hotel chain management system”.



- CSE Department conducted it's first Digitalized club activity named EQUINOX coordinated by Mr. Kumar K and Mr. Pradeep Kumar G H, Assistant Professors, CSE, KSIT. The EQUINOX event was a 5 tiered event with the five phases being LOOK AROUND, MIND FUNK, RAGS TO RICHES, SHIPWRECK, ONE LASTRIDE. It was held on 31st August, 2017 for 4th, 6th and 8th semester students.



ALUMNI ACTIVITIES

An interview with a pioneer

Bindhu B R, Quality Assurance Engineer, Volvo IT

1. What is the current scenario and scope for software engineering?

Right now, software engineering has a lot of value, but along with the knowledge of concepts, upgrading to the latest technology is important.

2. As a KSITian what message would you like to give the others here?

Learn and try to implement everything that you've learnt to the best of your capabilities.

What plans do you have for the future?

The rule that I have made for myself is – “Grow one step further from where you are today”. So, if you think you are in level 1 today, make sure you go up one step the next day. Growth is important, thus, my future plan would be to start a company of my own.

3. How was your life at KSIT?

Life at KSIT was very good. The department lecturers always provided us with support and motivation. Extracurricular activities were also greatly encouraged.

4. Tell us about yourself and your work atmosphere.

As a person I am a jovial, proactive and easy going. Work atmosphere is a very important aspect. At Volvo, it is truthfully the best. Very comfortable and welcoming. The people here are helpful and at the same time, encouraging.

5. What made you to pursue MS in abroad?

I have always wanted to explore the depths of Computer Science. I believe that a post graduate course (MS in CS) will help me achieve this. Research opportunities and an overseas experience drove me to pursue a graduate degree abroad.

ALUMNI ACTIVITIES

- Mr. Prashant. K.V, Staff Security Engineer ,Kohls, San Francisco, Mr. Suraj Prathap ,Ethical Hacker, Apple, Singapore, Ms. Vandhana Verma and Mr. Nikhil Kulkarni delivered a technical talk on “Career in Information Security” on 26th February 2018.
- Alumni Mr. Srisha Mahuli, Akamai and Mr. Ranjan Balappa, Gramener presented a technical talk on “Cloud Computing” on 8th November 2017.

- Alumni Ms. Bindu Ramesh, Quality Assurance Engineer , Volvo, Bangalore conducted a session on “Career Guidance” on 9th September 2017.
- Alumni Mr. Niranjan Balaji, founder and director, Rapsol Technologies and Mr. Ganesh, volunteer, Isha Foundation presented a talk on “RALLY FOR RIVERS” on 12th August 2017.
- Alumni Ms. Swetha.R ,a journalist at News 9 English channel delivered a career talk on “ How Journalism is an option after Engineering?” on 21st April 2017.



- Mr. Niranjan B, Mr. Srisha Mahuli and Mr. Ranjan, graduates from the CSE, received the Best Alumni Award 2017, on 5th November 2017



EVENTS ATTENDED—FACULTY

- ◆ Dr. Rekha. B. Venkatapur and Mr. Krishna Gudi attended a three day workshop on “System Software and compiler design/operating system laboratory” organized by the CSE dept at global academy of technology between 17th and 19th January, 2018.
 - ◆ Dr. Rekha. B. Venkatapur and Mr. Pradeep K R attended a 5 day FDP on “Data Science using Python” at Dayanand Sagar Academy of Engineering and Management Bangalore from 8th to 12th January, 2018.
 - ◆ Mrs. Deepa S R attended an International conference on “cluster optimization in wireless sensor networks using particle swarm optimization” in Kolkata between 19th and 21st January, 2018.
 - ◆ Mrs. P. Priyanga attended a 6 day FDP on “Advanced machine learning algorithms” at Global Academy of Technology between 18th and 24th January, 2018.
 - ◆ Mrs. Vaneeta M attended a 3 day workshop FDP on “system software and compiler designer lab” at Global Academy of Technology between 17th and 19th January, 2018.
 - ◆ Mrs. Sangeeta V attended a FDP on “pedagogic and personal effectiveness capacity building” in PES University, Bengaluru between 18th and 20th December, 2017.
 - ◆ Mr. Pradeep .K .R attended a 2 day national seminar on “Data science and Analytics” organized by the department of Computer Applications at PES University in November, 2017.
 - ◆ Mrs. Deepa S R attended a CSI Convention on “Cluster formation to improve lifetime of wireless sensor networks in the field of agriculture” in Gubbi between 13th to 14th October, 2017.
 - ◆ Mr. Pradeep .K .R attended a 1 day FDP on “IoT and Cloud Computing: The Coexistence ”organized by ISM UNIV ,Bengaluru in October, 2017.
 - ◆ Mr. Pradeep.K.R attended a one day FDP on “IEEE Workshop on AI and deep learning” organized by IEEE Bangalore and Mumbai section in association with Philips India Pvt.Ltd in September, 2017.
 - ◆ Mrs. Sangeeta V attended a FDP on “Computer Network Programming “ at SJB Institute of Technology from 10th to 12th August, 2017.
 - ◆ Mrs. P. Priyanga, Mr. Pradeep.K.R and Mrs. Swathi.K attended a one day workshop on “Intellectual Property Rights for MSME” conducted at JSS Academy of Technical Education ,Bengaluru in August, 2017.
 - ◆ Mrs. Sougandhika Narayan and Mrs. Vijaylaxmi Mekali attended a FDP on “Database application development” at RNS Institute of Technology on 2nd and 3rd August, 2017
 - ◆ Dr. Dayananda. R. B attended a national conference on “Electronics, Signals and Communication” at GSSSIETW, Mysuru from 29th May to 9th June, 2017.
 - ◆ Mrs. Swathi. K attended a survey on “Software defect prediction for quality optimization “ at MS Engineering College, Bengaluru on 19th May, 2017.
 - ◆ Mrs. Swathi. K attended a workshop on “An IoT based appliances control for smart homes” conducted at New Horizon College, Bengaluru on 18th May, 2017.
 - ◆ Mr. Krishna Gudi attended a national conference on “Emerging trends in Engineering and Technology and Applied Research “ conducted at MS Engineering College on 19th May, 2017.
 - ◆ Mr. Aditya Pai. H attended a FDP on “Lean SIX SIGMA Tools for Management Teachers and Research Scholars” conducted at Sheshadripuram Institute of Management Studies, Yelahanka.
- ⇒ **On Campus Talks**
- Dr. Manish Gupta, Co-Founder and CEO, Video Ken and Infosys and Foundation chair Professor ,IIT-B Bangalore presented a guest lecture on “Video Ken applying Machine learning to support human learning” on the 3rd of February, 2018.
 - Dr. Naveen N.C, Professor, dept. of CSE, JSS Academy of Technical Education presented a guest lecture on “Cloud Computing” on the 11th and 13th of November, 2017.
 - Mr. Mohith Hegde and Mr. Swaroop of Creative Infotech delivered a guest lecture on “iOS App Development “ on the 25th of September, 2017.
 - Dr. Madhusudan Govindaraju, Professor and Director of Graduate Admission, Binghamton University, delivered a guest lecture on “US Higher Education” on 14th September, 2017.
 - Mr. Palanivel of LIVEWIRE, Bengaluru delivered a guest lecture on “Python in Industry” on 10th September, 2017.

JOURNALS—FACULTY

- **Dr. Rekha. B. Venkatapur, “Raithara Bandu, A digital approach”**, International Journal on Future Revolution in Computer Science and Communication Engineering, Vol 4, Issue 3, 2018, Page 425-454.
- **Dr. Dayananda. R. B, “Human Cloud integration in next generation health care systems for wearable devices”**, International Journal of Inventive Engineering and Sciences, Vol 3, Issue 4, March 2018.
- **Ms. P. Priyanga, “A study on implementation of DataMining techniques for cardiac disease prediction”**, International Journal for research in Technological Studies, Vol 5, Issue 4, March 2018
- **Mr. Pradeep K. R, “A review on ensemble machine learning approach in prediction of diabetic diseases”**, International Journal on Future Revolution in Computer Science and Communication Engineering, Vol 4, Issue 3, March 2018, Page 463 – 466.
- **Ms. Swathi. K, “Survey on mobile application related to pharmaceutical industry and healthcare”**, International Journal, Vol 5, Issue 4, March 2018.
- **Dr. Rekha. B. Venkatapur, “Electronic Voting machine based Blockchain Technology and Aadhar Verification”**, International Journal of Inventive Engineering and Sciences, Vol 3, No. 3, 2018, e-ISSN: 2456-3463.
- **Mr. K. Venkata Rao, “IoT based smart helmet for accident detection”**, International Journal on Technical Research and Applications, 2018.
- **Ms. Deepa. S. R, “Survey on various smart parking systems and its technology”**, International Journal of Inventive Engineering and Sciences, Vol 3, No.2, 2018.
- **Ms. Sougandhika Narayan, “Intelligent management system for agricultural greenhouse using IoT”**, International Journal, Vol 2, 2018.
- **Ms. Vijalaxmi Mekali, “Automated Lung Cancer detection system using computed tomography images”**, International Journal, Vol 3, 2018.
- **Ms. Vijalaxmi Mekali, “Ranking and filtering prevalent news using media factors”**, International Journal, Vol 3, 2018.
- **Mr. Aditya Pai. H, “Six sigma approaches used in implementing supply chain management: A review”**, International Journal, Vol 1, Issue 1, 2018, Page 14 – 158.
- **Mr. Aditya Pai. H, “Understanding the adaptability of SME’s in Bengaluru”**, International Journal, Vol 1, Issue 1, 2018, Page 16 – 22.
- **Mr. Aditya Pai. H, “ANOVA analysis part one of challenges in SME’s in Bengaluru”**, International Journal, Vol 1, Issue 1, 2018, Page 1 – 8.
- **Mr. Aditya Pai. H, “Challenges in SME’s ANOVA ANALYSIS PART-2 in Bengaluru”**, International Journal, Vol 1, Issue 1, 2018, Page 9 – 15.
- **Ms. Vaneeta. M, “Exploratory insights on efficacy of existing key management techniques in WSN”**, International Journal of Computer Networks and Wireless Communication, Vol 7, No. 5, Sept- Oct 2017.
- **Dr. Rekha. B. Venkatapur, “Review on closed loop automated integration system”**, The Asian review of a Civil Engineer, Vol 6, No.1, 2017, Jun-July 2017, Page 9-14.
- **Ms. Deepa. S. R, “School Bus monitoring system using Raspberry pi”**, Asian Journal of Computer Science and Technology, Vol 6, No.2, July 2017, Page 1-4.
- **Ms. Vaneeta. M, “An efficient authentication system”**, Asian Journal, Vol 6, No.1, June – July 2017.
- **Ms. Deepa. S. R, “An Implementation of NFC based restaurant table service”**, International Journal of Inventive Engineering and Sciences, Vol 5, No.5, May 2017, Page 10740-10747.
- **Ms. P. Priyanga, “A literature survey on mining health data to predict heart diseases”**, International Journal of Innovative Research in Computer Science and Communication Engineering, Vol 5, Issue 5, May 2017.
- **Ms. P. Priyanga, “Minimization of network traffic using partition aggression for data stored in cloud”**, International Journal of Innovative Research in Computer Science and Communication Engineering, Vol5, Issue 5, May 2017.

JOURNALS—FACULTY

- **Ms. Swathi. K, “Survey on software defect prediction for quality optimization”,** International Journal, Vol 5, May 2017.
- **Ms. Swathi. K, “An IoT based appliance control for smart homes”,** International Journal, Vol 8, May, 2017, Page 170 – 174.
- **Mr. Pradeep K. R, “A collective study of machine learning algorithms with big data analytics for healthcare analytics”,** International Journal for Computer Trends and Technologies, Vol 47, Issue 3, May 2017, Page 149 – 115.
- Paper published for International Journal of Computer Trends and Technology (IJCTT) titled **“A collective study of machine learning (ML) Algorithms with Big data analytics (BDA) for Healthcare Analytics (HCA)”** in Volume 47, No. 3, May 2017 by **Mr. Pradeep K.R, Asst. Prof.**
- **Mr. Pradeep K. R, “A survey on predictive analysis of cancer survivability rate using machine learning algorithms”,** International Journal of Advanced Research in Science and Engineering, Vol 6, Issue 4, April 2017, Page 144 – 151.
- **Ms. Swathi. K, “Detail survey on parallel corpora generation techniques”,** International Journal, Vol 10, No.24, 2017.
- **Ms. Swathi. K, “An efficient machine translation model for Dravidian language”,** International Conference, 2017, Page 19 – 20.
- **Mr. Kushal Kumar. B. N, “An approach to save energy in cloud computing using fog computing”,** NaCoNIM 2017.
- **Mr. K. Venkata Rao, “A survey on Smart Healthcare”,** International Journal for Research in Technological Studies, Vol 5, Issue 4, page 18- 20.
- **Ms. Sangeetha. V, “Feature extraction from satellite imagery”,** International Journal of Innovative Research in Computer Science and Communication Engineering, Vol 6, Issue 5, Page 211 – 227.
- **Mr. Roopesh Kumar. B. N, “IoT based smart self-tracking automation using Arduino”,** International Journal, Vol 4, Issue 2, Page 880 – 883.
- **Mr. Roopesh Kumar. B. N, “Distracted driver detection using Convolution Neural Networks”,** International Journal, Vol 4, Issue 2, Page 1017 – 1020.
- **Mr. Kushal Kumar. B. N, “A survey on different techniques for detecting phishing websites”,** International Journal for Research in Technological Studies.
- **Mr. Pradeep K. R, “A review on predictive analysis for lung cancer survivability rate based on Naïve Bayes and classification tree algorithms”,** National Journal.
- **Mr. Pradeep Kumar. G. H, “In-zone drug remedy”,** International Journal.
- **Mr. Pradeep Kumar. G. H, “Be my eyes”,** International Journal.
- **Mr. Raghavendrachar. S, “Security system for detection of intrusion and Minee with wireless secured communication and moment tracking in terrains”,** International Journal for Research and Technological Studies, Vol 5, Issue 5.
- **Mr. Krishna Gudi, “Questionnaire survey using CHI- square test in Six sigma in SME’s in Bengaluru”,** International Journal, Vol 1, Issue 1.
- **Mr. Krishna Gudi, “Analysing tools in Six sigma in SME’s in Bengaluru”,** International Journal, Vol 1, Issue 1.

⇒ BITES Activities

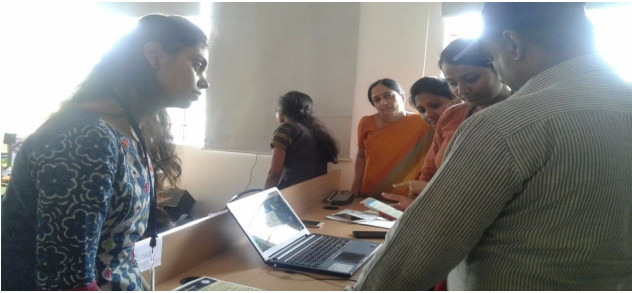
- Dr. Manish Gupta conducted a lecture demonstration about VideoKen applying machine learning to support human learning, 2nd March, 2018 for 6th semester CSE students.
- Dr. Madhusudhan Govindaraju, Director of Graduate Admissions, Binghampton University, held a guest lecture on 14th September, 2017 about higher education.



ACHIEVEMENTS—FACULTY

⇒ Research Projects

- Dr. Rekha. B. Venkatapur received a fund from Karnataka State Council for Science and Technology (KSCST)41ST SSP. For the submission of a research project on “Raithara Bandhu-A Digitalised Approach” which is funded by



- Mr. Pradeep. K.R received a fund from Karnataka State Council for Science and Technology (KSCST). For the submission of a research paper on “Classification approach of prediction model for type 2 diabetes mellitus of Indian women”
- Mr. Pradeep Kumar G.H received a fund from Karnataka State Council for Science and Technology (KSCST) 41st SSP for the submission of a research paper on “In Zone Drug Remedy”.



- Ms. Swathi. K received funds from Karnataka State Council for Science and Technology(KSCST)41ST SSP for the submission of a research paper on “The NPS App: Mobile Application for finding nearest pharmacies based on user-specified medical products”



- Mr. Pradeep Kumar G.H received a fund of Rs.3 lakh from BAICTE, MHRD SMART INDIA HACKATHON for conduction and submission of a research paper on “Bar Code for Dual Purpose”.
- Mrs. P. Priyanga attended the Asia Modelling Symposium’s 2017 eleventh Asia International Conference on mathematical, modelling and computer simulation in Malaysia between 4th and 6th December, 2017 as a session chair.



⇒ Lectures delivered

- Ms. Swathi. K delivered a guest lecture on “Cryptography and Network Security” at East West College Of Engineering, Yelahanka on 22nd and 23rd February, 2018.



- Mr. Pradeep Kumar. G.H conducted a workshop on “Web Programming” at K.S Polytechnic on the 10th and 11th of October, 2017.



ACHIEVEMENTS—STUDENTS

- Shravan B, Prabhu B, Aditya Kumar and Nikhil M participated and won the 1st place at HAXPLOIT, SJBIT held on 23rd and 24th February, 2018. They were awarded with a cash prize of Rs. 10,000. Kushal S T, Apoorva V, Nikhila M Y and Keerthana V stood 5th and were given consolation prizes.
- Prabhu B, Sravani participated and secured 2nd prize in JIT Graphics Day An Intercollegiate mini project exhibition on “**computer graphics**” on 12th May, 2017.
- Prabhu. B, Narasimha Prasanna H N, Kushal S T and Abhishek M, and won the 1st place in a 24hrs nonstop coding competition called “**STAY LATE AND CODE**”, SLAC-2017 on 14th and 15th April, 2017.
- Kavya. D, R. Namratha, were awarded with the 1st place in “**STREET PLAY**” competition at “**Farore 17**” on 31st March, 2017.
- Nikil M, Prerana R, Yashaswini M won the 2nd place in a bot race organized by IEIE student branch “**INVERSA TECHNOSOFT PVT. LTD.**” on 3rd and 4th March, 2017.



- Abhishek M, Darshan S K, Adithya Kumar and Kushal S T secured the 4th place in the “**Hackman Contest**” organised in November, 2017.
- Kalpana.G.N, Chandana.V, Diksha, Mehtaz N.Sidnale participated & exhibited the project titled “**AGBIBOT**” has been awarded 1st place in “**Tech Mania_17**” on 24th May 2017 at City Engineering College.
- Poojitha. K. M had participated in a 6-days workshop on C programming from 1st to 6th June, and she participated in JIT Graphics Day 2017 an inter college mini project exhibition on computer graphics on 12th May 2017.
- At the project exhibition held on 12th May, 2017— Kalpana.G.N secured the second place, Vivek B secured the third place and Manasa M was awarded with the consolation prize.
- Akshatha S. Katta, Akhila of 3rd semester presented paper titled, ‘A review of Nanotechnology and it's applications in Computer Science’ at National Conference on current Advance in Science and Technology (NCCAST) held at KSIT on 10-12th May, 2017.
- CSE student Sri Raksha N was awarded as the best student of the Year on 26th May, 2017.

Special Achievements

BJP conducted a “NEW BENGALURU FOR NEW INDIA” contest on 28th March, 2018, where the students from KSIT won the first prize under the theme KUDIVA NEERIGU GATI ILLA, JANARA BAVANEGE MITI ILLA. The winning team received an invite to meet Sri Narendra Modi, Prime minister of India and Sri B S Yeddyurappa, member of Lok Sabha, India.



TOPPERS



AKHILA.N

1KS16CS004

9.33(SGPA) (1st place 1st sem)

APOORVA.V

1KS15CS010

9.00 SGPA (1st place 3rd sem)



NAGALEKHA RAMESH

1KS16CS049

9.08(SGPA) (2nd place 1st sem)

NARASIMHA PRASANNA

1KS15CS062

8.70 SGPA (2nd place 3rd sem)



MAANASA NARAYAN

1KS14CS051

81.67% (1st place 5th sem)

CHAITARA .R

1KS14CS049

78.33%(2nd place 5th sem)



100% results from faculty

- Dr. Rekha B Venkatapur for Advances in Operating Systems (17SCS11)
- Mr. Pradeep K R for Machine Learning Techniques (14SCS41) and Programming the Web (10CS73)
- Mr. Roopesh Kumar B N for Wireless Network and Mobile Computing (14SCS242) and Embedded Computing Systems (10CS72)
- Mr. Raghavendrachar S for Design and Analysis of Algorithms (15CS43)
- Mrs. Vijajalaxmi M for Software Architectures (10IS81)
- Mr. Harshavardhan J R for System Modelling and Simulation (10CS82)
- Mrs. Sangeetha V for Ad-hoc Networks (10CS841) and Advanced Computer Architectures (10CS74)
- Mr. Krishna Gudi for Management and Entrepreneurship (15CS51)
- Mr. Aditya Pai H for Management and Entrepreneurship (15CS51)
- Mr. Pradeep Kumar G H for Advanced Java and J2EE (15CS553)
- Mr. Kumar K for Object Oriented Modelling and Design (10CS71)
- Mrs. Priyanga P for Java and J2EE (10CS753)

INDUSTRIAL VISIT

Kaynes technologies Pvt. Ltd. and Planet Earth Aquarium:

The visit was organized with the prior permission and guidance of the Principal, **Dr. T V GOVINDARAJU** and the Head of Department for Computer Science and Engineering, **Dr. REKHA B.VENKATAPUR** with the help of **Dr. RANJANA JAIN**, TPO and Industrial Visit Chief Coordinator, K. S. Institute of Technology, Bangalore.

On 6th November 2017, a total of 38 5th semester students participated in making this industrial visit a grand success. The students were accompanied by **Mr. Aditya Pai H** and **Mrs. Swathi K**, teaching faculties of Computer Science and Engineering, who mentored them and guided them throughout the visit.

The details of journey are as follows:

- The visit began at 6:45 am, all the students assembled at KSIT to board a bus heading towards Mysore.
- Then after hearty breakfast on the way, they reached Mysore at 12:00 pm.
- Once inside the Planet Earth Aquarium, the students were shown over 130 varieties of fishes and pets.
- Later around 1:15 pm, they made their way to Kaynes Technology Factory and there they learnt about the process of preparing a motherboard and also how to apply Quality Management Technique to maintain the quality of the motherboard efficiently.
- At around 2:00 pm the Factory Visit was completed in two batches.
- The students made their way back home after a quick lunch on campus.

The event was highly beneficial as the students were able to pick up minute details about technical aspects that they weren't made aware of in the past. The company also provided them with a talk on various career opportunities available in the real world.



Picture: Kaynes Technologies Pvt. Ltd., Mysore



Picture: Planet Earth Aquarium, Mysore



EDITORIAL COMMITTEE

Faculty co-ordinators: Ms. P Priyanga

Ms. Swathi K

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Keerthana V

Aditya Michra Sabana S