



KSIT
K.S. INSTITUTE OF TECHNOLOGY

Kammavari Sangham 1952

K.S.INSTITUTE OF TECHNOLOGY

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

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CS-GYANBYTES

DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING NEWSLETTER

DEPARTMENT VISION

To create competent professionals in Computer Science And Engineering with adequate skills to drive the IT Industry

DEPARTMENT 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 projects and evolve as leaders with social concerns

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A network diagram background consisting of black and grey nodes connected by black and grey lines, forming a complex web of connections.

PROGRAM EDUCATIONAL OBJECTIVES

1. PE01: Excel in professional career by acquiring knowledge in cutting edge technology and contribute to the society as an excellent employee or as an entrepreneur in the field of Computer Science & Engineering.
2. PE02: Continuously enhance their knowledge on par with the development in IT industry and pursue higher studies in computer science & engineering.
3. PE03: Exhibit professionalism, cultural awareness, team work, ethics, and effective communication skills with their knowledge in solving social and environmental problems by applying computer technology.



Sri Ramachandra Naidu

President



Sri K Venkatesh Naidu

Secretary



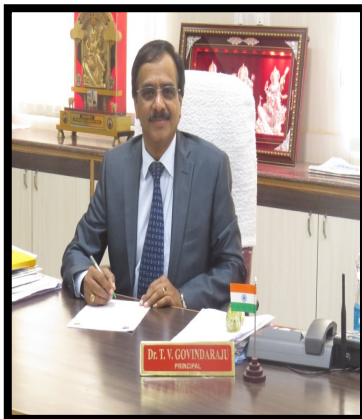
Sri D Rukmangada

Treasurer



At KSIT, we strongly believe in the overall development of our students with adequate social responsibility and sensitivity. I am very happy that 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



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



The department has well qualified, experienced and committed faculty to provide qualitative, industry tuned education to students with whole-hearted support from the management and HOD. 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 department releases its newsletter Highlighting academic, Co-curricular activities of staff and students. Information and Communication Technologies (ICT) play key role in socio economic empowerment. The contribution of ICT in eGovernance, citizen centric service and rural development is significant. This convention gives a platform for students, researchers and Industry to exchange information on ICT. I hope this student convention will be joyful, memorable and useful for participants by enhancing your knowledge and network.

—Dr.Rekha B Venkatapur

"If you believe it, achieve it."

SMART INDIA HACKATHON 2019

ABOUT SIH

In order to work towards our Prime Minister's vision, MHRD, All India Council for Technical Education (AICTE), International 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 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. We are very proud to say that five teams from our college were selected for the grand finale of Smart India Hackathon 2019.

Team "PACKMAN BYTES" were selected to solve a problem statement in Kanchipuram. The members of this team were K Tarun Naidu, Abhigna A, Adhitya Kumar N S, Dhanvi P Desai, Nikhil Meduri and Raksha S. Mr. Kushal Kumar B N accompanied the students. Mr. Prabhu mentored the students.

Team "BITS_PLEASE" were selected to solve a problem statement in Udaipur given by AGR Knowledge Services. The members of this team were Darshan S K, Abhishek M, Keerthana Vijayabaskar, Nagalekha Ramesh, Shreyas R, Spoorthi R. Mr. Pradeep Kumar G H accompanied the students. Mr. Chethan H mentored the students.

Team "CODEASTRONOMY" were selected to solve a problem statement in Trichy given by Cognizant. The members of this team were Lavanya B, Ketan K, Pranjul Mishra, Aman Sagar, Nikhil M, Deepika S H. Mr. Prashanth H S accompanied the students. Mr. Vivek B mentored the students.

Team "DOUBLE HELIX" were selected to solve in Coimbatore given by Apollo Hospitals. The members of were Shравan Bhat, Shreyas S N, Kushal S T, Kruthika M R, Tejaswini G, Priyanka Pandit. Mr. Pradeep K R accompanied the students. Mr. Srishta mentored the students.

The members of the team "CRYPTIC CODERS" who won the first place at Jaipur in the Smart India Hackathon, held on of march 2019, are Meghana B S, Narasimha Prasanna H N, Pavan Kumar D, Shantanu Kumar, Bhagwat Dayal, Ruchitha G K and the mentors were Mr. Kumar K and Mr. Ranjan B.



"When you experience it, you remember it."

SMART INDIA HACKATHON 2019

WINNING TEAMS

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 power.

Team “CRYPTIC CODERS” who won the first place at Jaipur, team members are Meghana B S, Narasimha Prasanna H N, Pavan Kumar D, Shantanu Kumar, Bhagwat Dayal, Ruchitha G K and the mentors were Mr. Kumar K and Mr. Ranjan B.



The other team “PACMAN BYTES” which was competing at Kanchipuram won first place as well, under the ministry of Civil Aviation and the members were K Tarun Naidu, Abhigna A, Adithya Kumar N S, Dhanvi P Desai, Nikhil Meduri, Raksha S and the mentors for the team were Mr. Kushal S and Mr. Prabhu. The cash amount was 1 Lakh rupees.



“There is no use in winning if there is no one to win it for”

PROFESSIONAL BODIES—CSI

1. Dr. Rekha B Venkatapur, Dr. Dayanand R B, Mrs. Deepa S R, Mrs. Vaneeta M, Mr. Sanjoy Das organized a Computer Graphics Mini-Project Exhibition for sixth semester students on 13th May 2019, under the CSI Student Branch.



2. The Department of Computer Science and Engineering organised a seminar on “Path Finder NRI” on 7th May 2019, under the CSI Student Branch and KSIT Alumni Association.



3. The workshop on “**Computer Awareness Program**” was conducted on 7th March 2019, under the CSI Student chapter and NSS. The speakers of this workshop were Mrs. Deepa .S.R and Mrs. Ashwini, Department of Computer Science and Engineering, K S Institute of Technology, Bengaluru. This program was conducted for 6th and 7th standard Government School students, in order to make them gain knowledge about the following: - Basics of Computers, Parts of a Computer, Uses of computers in our daily life, hands-on session on using MS-paint, MS-word application to write a simple letter, Web browsing, basic information with respect to the Google search engine, to browse the www.kseeb.kar.nic.in the web page. This program focused on providing exposure to the usage of computers and their applications. The hands-on sessions were very effective and the student volunteers focused on the usage of MS-Office applications to meet the suitable requirements of our daily life.



PROFESSIONAL BODIES—CSI

4. Seminar on **“Robotics and Home Automation”** was organized for 4th semester students on 27th February 2019, under the CSI student chapter. The speaker for this seminar was Prof. Sreenivasa Shetty, Founder of SST Technologies, Bengaluru. This seminar focused on providing an overview of IoT and its real-time applications which is very much required to provide solutions to real-world problems.



5. Technical Talk on **“Mobile App Development”** was organized for 6th semester students by the CSI Student Chapter and Equinox Club on 22nd February 2019 at K S Institute of Technology.

The speaker of the talk was Mr. Deepak Rajkumar Garg, Business Development Manager, ATS Infotech private limited, Bengaluru. When thinking about how and why to build a mobile application and begin development it is important to think about how you plan to proceed. The steps you should follow is

- Define Success: Is success x number of downloads or x amount of money or x active users. Keep it realistic though.
- What is your budget? The average cost of an application can range from \$3,000 to over a Million Dollars so it is important to define your budget.
- What Platforms are you going to be on? It is important to decide where your market is, what the best way to reach them is, and what gives you the biggest opportunity.
- What are your features? Apps are not websites, you need to create good features that people want to use and have a good user interface.
- What are you going to do once it is published? Make sure you have a game plan of how you are going to market and push your mobile application.



6. Seminar on **“CITY SURVEILLANCE AND NAYAGAA-DI”** was organized for 6th semester students under the CSI Student Branch on 20th February 2019 at K S Institute of Technology, Bengaluru. The speakers were Mr. Sridhar Singisetty, Director & Co-Founder, City Surveillance and Mr. Balaji, Founder, Nayagaadi, Bengaluru. City surveillance was started with a vision to disrupt the surveillance market in India for the purpose of making surveillance affordable which helps in crime prevention. The main agenda is to create an alert of crime occurrence through various techniques which saves lives. The services and solutions offered by city surveillance is designed towards addressing all the pain points suffered by the society.



PROFESSIONAL BODIES– BITES/IEI/ISTE

1. The Department of Computer Science and Engineering in association with BITES Organized Third CAC Lecture on “Rabindranath Tagore” on 8th May, 2019. The speaker was Dr. Joy Kuri, Prof. and Chair, Indian Institute of Science, Bengaluru. The speaker presented the entire history of Gurudev Rabindranath Tagore from birth. The lecture was really informative for the students to acquire motivation on contributions and motivations done by Gurudev Rabindranath Tagore. We appreciate and thank the speaker for his lecture and educating the students on contributions done by Gurudev Rabindranath Tagore.



2. IT Quiz was organized by the Department of Computer Science in association with BITES and TCS for the students of KSIT on 21st February 2019. The coordinators of this event were Siddhanth M, Ruthvik B R and Shanthanu Kumar.

3. Talent Search Test was conducted by T.I.M.E pvt. Ltd, India in association with ISTE for 6th semester CSE students on 28th February 2019 at K S Institute of Technology, Bengaluru



PROJECT EXHIBITION 2019

Project exhibition 2019 was conducted for 8th semester CSE Students on 13th May 2019. The chief guests for the exhibition were, Dr. S V Sheela, Assoc. Prof, ISE, BMSCE, Bengaluru and Mr. Chethan M, Sr. Software Architect, SkillRay, Bengaluru. The event was organized by the project coordinators, Dr. Rekha B Venkatapur, along with teaching staff Mr. K. Venkata Rao, Mr. Pradeep K R, Mr. Raghavendrachar S, Mrs. Swathi K and Mrs. Ashwini.



PROJECT EXHIBITION WINNERS

1. A self sustaining, secured live Patient Video Streaming System for hospitals, guided by Mr. Pradeep Kumar G H, team members Narasimha Prasanna H N, S N Shreyas, Prajwal J, Kushal S T.
2. Smart Dashboard for educational Institutions, guided by Mr. Pradeep Kumar G H, team members Abhishek S, Abhigna A, Adithya Kumar N S, Kruthika M R.

PAPER PRESENTATION WINNERS

1. The Exoskeleton Arm for Differently Abled, guided by Mr. Roopesh Kumar B N, team members Darshan S K, Chidananda J, G M Sindhu,
2. Smart Bin using IOT, guided by Ms. Sangeetha V, team members Yashwanth D M, Nikil M, Phaneendra A R, Mayura K R.



"How much you can learn is a function of why you want to learn."

ELECTIVE AWARENESS PROGRAM 2019

Elective awareness program was conducted for 4th and 6th semester CSE students by Dr. Dayanand R B, Mrs. Deepa S R, Mrs. Vaneeta M, Mrs. Sougandhika Narayan, Mrs. Vijayalaxmi M, Mr. Pradeep K R, Mr. Sanjoy Das, Mr. Raghavendrachar S, Mr. Aditya Pai H, Mr. Krishna Gudi, Mrs. Ranjitha K N, Mrs. Ashwini, Mrs. Beena on 11th May 2019.



"How much you can learn is a function of why you want to learn."

EVENTS ATTENDED—FACULTY

WORKSHOPS ATTENDED

- Mr. Aditya Pai. H attended a workshop on “Sustainable Technology”, at VTU Regional Centre, Nagarbhavi, Bangalore, 28th March 2019.
- Mr. Raghavendrachar S attended a two-day workshop on “Diving into Deep Learning: Theory and Practice” at PES University, Electronic City Campus, Bengaluru from 23rd to 24th February 2019.
- Mr. Aditya Pai H, Mrs. Swathi K attended three days National level Workshop on “Research Methodology” at DSATM, Bengaluru in association with VTU, Belagavi, ISTE, New Delhi & CSI, Bangalore Chapter from DSATM, Bengaluru FROM 21st February 2019 - 23rd February 2019.
- Dr. Rekha B Venkatapur attended a one-day workshop on Outcome Based Education on 1st February 2019 at Dr. AIT.
- Mrs. Deepa. S. R attended a two-day workshop on “Machine Learning and Tools” at Sapthagiri College of Engineering, Bangalore from 30th January to 31st January 2019.
- Mrs. Vaneetha M, Mrs. Sangeetha V, Mrs. Priyanga P, Mrs. Sougandhika Narayan, Mrs. Vijayalaxmi M, Mr. Raghavendrachar, Mr. Aditya Pai H, Mr. Krishnagudi, Mrs. Swathi K, Mrs. Ranjitha K N, Mrs. Beena attended a one-day workshop on “Verifying Functional Correctness of Programs” at Jyothy Institute of Technology, on 29th January 2019.
- Dr. Rekha B Venkatapur, Dr. Dayanand R B, Mrs. Sangeetha V attended a one-day workshop on New Approach to the Revised Assessment and Accreditation of NAAC on 4th January 2019 at Global Academy of Technology, Bengaluru.
- Dr. Ram P Rustagi attended BITES sponsored FDP workshop on "Experiential Learning of Recursive Programming", AMC Engineering College, Bangalore, April 22, 2019.
- Dr. Ram P Rustagi attended FDP Hands on workshops "Basics of HTTP and Transport Layer (TCP/UDP)", Sona College of Technology, Salem, Tamilnadu, February 28 - March 01, 2019.
- Mrs. Beena K attended a two-day FDP on “Aspects of effective programming and Research” at KSSEM, Bangalore from 17th to 18th January 2019.
- Dr. Ram P Rustagi attended FDP Programme on "Aspects of programming and Research", KS School of Engineering and Management, Bangalore, January 16-18, 2019.
- Dr. Dayananda R B, attended a seminar on “Trends in Higher Education” at IIIT Bangalore in March 2019.

FDPs ATTENDED

- Dr. Rekha B Venkatapur attended three-days TEQIP sponsored FDP on Outcome Based Education System - NBA from 17th May 2019 to 19th May 2019 at Sir. MVIT, Bengaluru.

JOURNALS- FACULTY

- Dr. Ram P Rustagi, et.al., "Understanding TCP Flow Control", ACCS Journal on Advanced Computing and Communications, International Journal, Vol 03, Issue 02, June 2019.
- Mr. Aditya Pai H, et.al., "ROC Structure Analysis of Lean Software Development in SMEs Using Mathematical CHAID Model", International Journal of Recent Technology and Engineering - IJRTE, ISSN:2277-3878, SCOPUS Indexed Journal, Vol. 8, Iss. IC, Available in SSRN eLibrary of ELSEVIER, May 2019.
- Mrs. Swathi K, et.al., "Analysing the adaptability of Software Detect Prediction in Small Software Forms", International Journal of Recent Technology and Engineering - IJRTE, ISSN:2277-3878, SCOPUS Indexed Journal, Vol. 8, Iss. IC, PP: 53-59, Available in SSRN eLibrary of ELSEVIER, May 2019.

JOURNALS—FACULTY

- Mrs. Swathi K, et.al, "Software defect prediction using data mining techniques", UGC approved Journal, International Journal of computer sciences and engineering open access, May 2019.
- Mr. Aditya Pai H, et.al., "Analysis of Causes and Effects of Longer Lead Time in Software Process Using FMEA", International Journal of Research in Advent Technology (UGC Approved Journal: 48768), Vol.2, Available in SSRN eLibrary of ELSEVIER, May 2019.
- Mr. Aditya Pai H, et.al, "Domain Adaptation for Biomedical Image SEgmentation Using Adversarial Training", Conf. Proceedings, Recent Advances in Engineering, Technology and Science, April 2019.
- Mr. Aditya Pai H, et.al, "Medical image segmentation use neural network for novel domain variation framework", Conf. Proceedings, Recent Advances in Engineering, Technology and Science, April 2019.
- Mr. Aditya Pai H, et.al, "Feature extraction and analysis of MRI Images of Breast cancer", Conf. Proceedings, Recent Advances in Engineering, Technology and Science, April 2019
- Mr. Aditya Pai H, et.al, "Comparative Study and Analysis of Security Mechanism in IoT", Conf. Proceedings, Recent Advances in Engineering, Technology and Science, April 2019.
- Dr. Ram P Rustagi, Viraj Kumar; "Understanding TCP Connection State - Part II", ACCS Journal on Advanced Computing and Communications, International Journal, Vol 03, Issue 01, March 2019.
- Mrs. Vaneeta M "NPKG: Novel Pairwise Key Generation for Resisting Key-based threats in Wireless Sensor Networks", Vaneeta M, International Journal of Network Security ISSN: 1816-353X Print Vol 21, No. 1, PP 122-129, Jan 2019.
- Mr. Aditya Pai H, et.al., "Study on the Factors that increase the Lead Times in Small and Medium Level Enterprises in IT Sector", Journal of Advanced Research in Dynamical & Control Systems, Vol.11, Special Issue. 04, 2019.
- Mrs. Vijayalaxmi Mekali, "Fully Automated Detection and Segmentation Approach for Juxta Pleural Nodules from CT Images", International Journal of Healthcare Information System and Informatics- IJHISI -2019.
- Dr. Ram Rustagi, et.al., "Placement of Relay Stations in WiMAX Network Using Glowworm Swarm Optimization", International Journal of Applied Metaheuristic Computing (IJAMC) 10 (3), pages 39-67, 2019.
- Dr. Rekha B Venkatapur, et.al, Survey on motion detection by image stitching techniques, Asian Journal of Convergence in Technology, Volume 5, Issue 1, 2019.
- Dr. Rekha B Venkatapur, et.al, "Review on human action detection in stored videos using support vector machines", International Research Journal of Engineering and Technology (IRJET), ISSN : 2395-0072, PP: 111-113, February 2019.
- Dr. Dayanand RB, "An effective security protocol for GDS (group data sharing) in Healthcare Cloud Environment", International Journal, Scopus Indexed IEEE ICCES, 2019.

ACHIEVEMENTS—FACULTY

BEST PAPER AWARD

- Mr. Aditya Pai. H won Best Paper Award for the paper titled "Analysis of Causes and Effects of Longer Lead Time in Software Process Using FMEA" in the Second International Conference on Emerging Trends in Science and Technologies for Engineering Systems held at SJGIT, Chickballapur on 17th and 18th May 2019.
- Mr. Pradeep K R won Best Paper Award for the paper titled "A Framework for Lung Cancer Survivability Prediction using Optimized– Deep Neural Network Classification and Regression Technology" in the Second International Conference on Research in Business Management and Information Technology, held at RNSIT, Bangalore on 25th and 26th April 2019.

PROJECT FUNDING

- FOSS - VTU Project titled "EXOSKELETON ARM FOR DIFFERENTLY ABLED" carried out by Darshan S K, Sindhu G M, Chidananda J under the guidance of Mr. Roopesh Kumar B N has received financial assistance of Rs.5000/- from Visvesvaraya Technological University, Belagavi.
- VTU Financial Assistance Project titled "Advanced Foot Step Power Generation" carried out by Shilpa.R, Sindhu bhairavi G K, Shirisha .D, Thimmesh. M under the guidance of Mr. K.Venkata Rao has received financial assistance of Rs.5000/- from Visvesvaraya Technological University, Belagavi.
- VTU Financial Assistance Project titled "Women Security System" carried out by Siddharth Meharwade, Shiv Shankar Sah, Sirisha M, Suraj kumar under the guidance of Ms. Swathi K has received Rs.5000/- from Visvesvaraya Technological University, Belagavi.

INVITED TO CONDUCT TALKS/EVENTS

- Dr. Ram P Rustagi was the main speaker for the BITES sponsored workshop on "Experiential Learning of Recursive Programming" on 22nd April 2019 at AMC College of Engineering, Bangalore.
- Dr. Ram P Rustagi conducted a hands on workshop on "Basics of HTTP and Transport Layer (TCP/UDP) from 28th Feb 2019 to 1st March 2019 at Sona College of Technology, Salem, Tamil Nadu.
- Dr. Ram P Rustagi conducted a FDP program on "Aspects of programming and Research", from 16th January 2019 - 18th January 2019 at KSSEM, Bengaluru.

R&D ACTIVITIES

- Mrs. Sangeetha V completed her PhD Defence Viva-Voce on Research Title: "Strategic decision making modeling for mitigating uncertain security threats in MANET" under the Research Guide, Dr. S. Swapna Kumar on 15th June 2019 at Research Centre, Department of Computer Science and Engineering, K S Institute of Technology, Bengaluru.
- Mrs. Savitha S K, Research Scholar, completed her colloquium under the Research Guide, Dr. Naveen N C on 21st May 2019 at Research Centre, Department of Computer Science and Engineering, K S Institute of Technology, Bengaluru.

STUDENT PUBLICATIONS

- Ms. Rishika Sinha, Ms. Ranjana C A, Ms. Swathi V, Mr. Kumar J, Mrs. Vijyalaxmi Mekali, project title, "COMPREHENSIVE TRAINING AND PLACEMENT DEPARTMENT", IJARIT, Volume 5, Issue 3, PP: 565-567, April 2019.
- Mr. Medhavi Kumar, Mr. Gaurav Pathak, Mr. Deepankar Misri, Mr. Ashish Rao, Mrs. Vanee-ta M, project title, "SPEECH BASED HOME AU-TOMATION SYSTEM WITH USER AUTHENTICA-TION", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Volume 6, Issue 5, PP: 378-382, April 2019.
- Ms. Chaithra M S, Ms. Navya A, Ms. Ranjitha R K, Ms. Sneha Samson Mullur, Ms. Sougandhika Narayan, project title, "WIN – WIN ONLINE AD-VERTISING POSTING WEBSITE", Journal of Emerging Technologies and Innovative Re-search (JETIR), ISSN:2349-5162, Volume 6, Issue 5, PP: 1-4, April 2019.
- Ms. Druthiya L, Ms. Arpitha B S, Ms. Shwetha R, Ms. Vidyashree B, Ms. P Priyanga, project title, "SMART AUTOMATIC MOVABLE ROAD DIVIDER", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Volume 6, Issue 5, PP: 108-114 April 2019.
- Ms. Deekshitha M B, Mr. Manoj P, Mr. Manoj Kumar B, Mr. J Sai Vishnu, Dr. Rekha B Venka-tapur, project title, "DECENTRALIZED FILE SHARING SYSTEM USING IPFS", Journal of Emerging Technologies and Innovative Re-search (JETIR), ISSN:2349-5162, Volume 6, Issue 5, PP: 263-265, April 2019.
- Ms. Prerana R, Ms. Shreya S Pai, Ms. Yashaswini M, Mr. Pradeep K R, project title, "PREDICTIVE ANALYSIS OF SOYABEAN CROP YIELD", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Volume 6, Issue 4, PP:86-89, April 2019.
- Ms. Chaithra S, Ms. H M Harshitha, Ms. Krithi-ka S, Ms. Namratha N, Mr. Pradeep K R, pro-ject title, "DISEASE PREDICTION – BREAST CANCER IN WOMEN USING MACHINE LEARN-ING CLASSIFICATION TECHNIQUES", Journal of Emerging Technologies and Innovative Re-search (JETIR), ISSN:2349-5162, Volume 6, Issue 4, PP: 495-490, April 2019.
- Ms. Brunda S, Ms. Deepika G, Ms. Neha Kou-ser, Ms. Pushpa R, Mr. Kumar K, project title, "SMART DOOR APPLICATION USING IRIS RECOGNITION", IRJEMS, Volume 3, Issue 5, PP: 1-6, April 2019.
- Ms. Dishika Ravindra, Ms. Keerthi G Naidu, Mr. L Vinith Kumar, Ms. Lavanya M, Dr. Dayanan-da R B, project title, "EXPRESSIVE KEYWORD SEARCH IN CLOUD OVER ENCRYPTED DATA", Journal of Emerging Technologies and Innova-tive Research (JETIR), ISSN: 2349-5162, Volume 6, Issue 5, PP: 397-402, April 2019.
- Mr. Darshan A , Ms. Roopa C L, Ms. Shwetha T, Ms. Sushma D S, Dr. Dayananda R B, project title, "VOICE ASSISTANT FOR VISUALLY IM-PAIRED IN ANDROID", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, Volume 6, Issue 21, PP: 1-4, April 2019.
- Ms. Ramya R Pai, Ms. Shalini S, Ms. Sirina V A P, Ms. Sushma N, Mr. Sanjoy Das, project title, "OPINION ASPECTS IN COGNIZING STUDENT FEELINGS VIA REVIEWS", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, Volume 6, Issue 5, PP: 357-360, April 2019.
- Ms. Sai Shashikaa T R, Ms. Swetha Adiga G, Ms. Rabiya Farheen, Ms. Vaishnavi K N , Mrs. Swathi K, paper title, "THE PREDICTION OF MY-OCARDIAL INFARCTION FOR HEART PATIENTS", Journal of Emerging Technologies and Re-search (JETIR), Volume 6, Issue 4, PP: 564-571, April 2019.
- Mr. Mayura K R, Mr. Nikil M, Mr. Phaneendra A R, Mr. Yashwanth D M, Mrs. Sangeetha V, project title, "COUNTERFEIT DRUG IDENTIFICA-TION AT SUPPLY CHAIN", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Volume 6, Issue 4, PP: 235-239, April 2019.

STUDENT PUBLICATIONS

- Mr. Madhu M Pandurangi, Mr. Bharath B R, Mr. Koppresh P, Mr. Chandan M, Mrs. Sangeeetha V, project title, "IDENTITY MANAGEMENT USING BLOCKCHAIN", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, Volume 6, Issue 5, PP: 228-231, April 2019.
- Mr. Suhaib Z Ahmed, Mr. Syed Mohammed Wasi, Mr. Harshavardhan J R, had their project report, "STUDENT PORTAL", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, Volume 6, Issue 4, PP: 4581-4589, April 2019.
- Mr. Shreyas S N, Mr. Narasimha Prasanna H N, Mr. Kushal S T, Mr. Prajwal J, project title , "VIRTUAL VISITS TO ICE", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Volume 6, Issue 4, PP:73-79, April 2019.
- Mr. Krishna Kumar R, Mr. Lakshmikanth B S, Mr. Lokesh S, Mr. A A Gautham, Mrs. P Priyanga, project title, "NEAR FIELD COMMUNICATION FOR PAYMENTS", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Volume 6, Issue 5, PP: 74-79, April 2019.
- Ms. Spandana Manjunath, Mr. Shashwath G M, Ms. Shravya M S, Mr. Sathish S, Mrs. Ashwini, project title, "APPLICATION OF GSM ON WASTE MANAGEMENT", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Volume 6, Issue 4, PP:100-103, April 2019.
- Ms. Tushara V, Ms. Varshitha P, Ms. Namratha R, Ms. Shwetha G, Mr. Raghavendracher S, project title, "ANDROID TRACKING APPLICATION USING GSM/GPS", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Volume 6, Issue 5, PP: 273-276, April 2019.
- Ms. Vaishnavi K R, Ms. Pavitra Bai C, Ms. Suchithra G S, Ms. Priyanka R, Mr. Prashanth H S, project title, "CYBERBULLYING DETECTION", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, Volume 6, Issue 5, PP: 466-468, April 2019.
- Mr. Darshan S K, Ms. Sindhu G M, Mr. Chidananda J, Mr. Roopesh Kumar B N, project title, "DESIGN AND DEVELOPMENT OF EXTERNAL SUPPORT SYSTEM FOR DISABLED ARM", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, Volume 6, Issue 4, PP: 498-502, April 2019.
- Mr. Siddharth Meharwade, Ms. Sirisha M, Mr. Shiv Shankar Sah, Mr. Suraj Kumar, Mrs. Swathi K, paper title, "SMART BAG WITH ALERT SYSTEM", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN : 2349-5162, Volume 6, Issue 4, April 2019.
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TOPPERS



DISHIKA RAVINDRA, USN - 1KS15CS028, first place in 7th semester, 87.75%.



AKSHATHA.S.KATTA, USN - 1KS16CS015, second place in 5th semester, 79.38%.



APOORVA V, USN - 1KS15CS010, second place in 7th semester, 84.00%.



INDRASENA KALYANAM, USN - 1KS17CS030, first rank in 3rd semester, 88.35%



SUPRIYA.C, USN - 1KS16CS105, first rank in 5th semester, 81.75%



SAI SNEHA S V, USN - 1KS17CS070, second rank in third semester, 88.00%

100% RESULTS— FACULTY



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(15CS52)



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Assistant Professor
Advanced Java and J2EE
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Dr. Ram P Rustagi
Professor
Machine Learning
(15CS73).



Mr. Raghavendrchar S
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Dot Net Framework for
Application Develop-
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Mrs. Priyanga P
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Machine Learning
(15CS73).



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Mrs. Swathi K
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Mr. Pradeep K R
Assistant Professor
Web Technologies and its
Applications (15CS71).



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Dot Net Framework for
Application Development
(15CS564)



Mr. Kumar K
Assistant Professor
Web Technologies and
its Applications
(15CS71).



Mrs. Ashwini
Assistant Professor
Storage Areas and Net-
works (15CS754).

INDUSTRIAL VISIT

IISc, Bangalore

The visit was organized with prior permission and guidance of the Principal, Dr. T. V. Govindaraju and the Head of the Department for Computer Science and Engineering, Dr. Rekha B. Venkatapur with the help of Dr. Ranjana Jain, TOP and Industrial Visit Chief Coordinator, K. S. Institute of Technology. The students thoroughly enjoyed and learned new things at IISc. It was useful both for the Academic as well as non-academic purposes. Prof. Aditya Pai H and Prof. Krishna Gudi S accompanied the students. Prof. Deepa S.R., Prof. Sangeetha supported and helped the students during the industrial visit.

This Industrial Visit was a visit to the campus of IISc, Bangalore on the account of Open Day on 23rd March 2019. The total of 45 students from 4th semester, 6th semester and 8th semester students of Computer Science and Engineering attended.

The students attending the event had seen the following in the exhibition:

Game of codes, Bet to code, Hackathon, Sessions on next-generation networks – Open, Intent-based and programmable , Session on power-efficient method for tackling machine learning workloads with next-generation AI processors, High Voltage Engineering Demo, Demo on Soil, Sessions on the Importance of chemistry and its usage in our daily life, Sessions on the Internet of Things and Drone Technology.

- Events such as Game of codes and Bet to Code gave the students real-life problem statements knowledge and challenges faced in Industry. The students learned a lot in a Demo on Artificial intelligence, It gave them an idea on how AI processes and Decisions are made by an AI model.
- High Voltage Engineering: The Demo was based on a High Voltage application in Industries. This Demo had comprised of 4 Experiments, each experiment was demonstrated which was informative and a visual wonder as well.
- Chemical Engineering: This Session was all about the Importance of Chemistry in day to day life. The students participated in a Sparkle(QUIZ) and received Periodic tables for completing their tasks
- The students also attended an Interactive Demo on the soil. It comprised of a demonstration of the usage of Ground-penetrating Radar and information on types of soils. The students even participated in the Treasure Hunt event in which they had to use the Ground Penetrating Radar to find the Hidden Treasure. Our students won the Treasure Hunt Event.



"There are endless possibilities and scenarios, choose yours and work for it."

FAREWELL

The department of computer science arranged a farewell program to the out-going students of 2019 batch in the CSE Seminar Hall. The program was held on 23rd May 2019.

Class of 2019

Farewell celebration

Please join us in bidding you a formal goodbye. It has been a pleasure teaching you for the past 4 years and we would like to celebrate your journey forward in good spirit.

VENUE: CSE seminar hall, KSIT

DATE: 23rd May 2019

TIME: 9 am

LUNCH AND REFRESHMENTS WILL BE
PROVIDED BY US

From the HOD and Staff of the CSE Dept.



"No matter how gifted you are, you alone cannot change the world."

ALUMNI INTERVIEW



Ms. APOORVA R

Software Developer,
HSBC Software Development India,
Hyderabad

Batch: 2014-2018

1. What do you have to say about software engineering?

Software engineering has been one of the fastest-growing industries offering plenty of job opportunities in both start-ups and corporate companies. Being equipped with the knowledge and hands-on experience of trending technologies is crucial.

2. What is the basic requirement to survive in corporate world today according to you?

Get your fundamentals right and develop your skillset. It's necessary to have the curiosity to learn more and never limit yourself.

3. What is the principle that you live by?

"Dream Big. Start small. Start now." - This is the principle I try to live by. Its important to visualize your best self and start working towards becoming that person.

My future plan is to establish an NGO that caters to educational needs of differently-abled children.

4. What is it that is most memorable to you in KSIT?

Some of the most memorable days of my life were at KSIT. I had constant support and guidance from all my lecturers and they always motivated me to actively participate in both technical and cultural events.

5. How is your experience at HSBC?

I'm a fun-loving, sociable and well-organised person. Work atmosphere at HSBC Technology is challenging and one can find many opportunities to learn. It offers a diversified work culture and the people here are extremely focused and thrive to give their best at work by supporting and encouraging each other.



EDITORIAL COMMITTEE

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Prof. Swathi K Prof. Sneha Karamadi

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