



CHINTHANA MANTHANA

Think Beyond Imagination...

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JAN - DEC 2018 | VOL 9 - 10

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VISION

“To strive continuously to impart quality technical education with ethical values, employable skills and research to achieve excellence”

MISSION

- To attract and retain highly qualified, experienced and committed faculty.
 - To create relevant infrastructure.
- Network with industry and premier to encourage the emergence of new idea by providing Research & Development faculties to achieve excellence.
- To indicate professional and ethical values among students with employable skills and knowledge acquired in transforming society.

EDITORIAL TEAM

Chief Co-ordinator: Mr. Umashankar M (ME)

Faculty Co-ordinator: Mr. Naresh K (ME), Ms. Priyanga P (CSE), Ms. Swathi K (CSE),
Ms. Anuradha M V (BS & H), Ms. Lakshmi H R (ECE), Ms. Sahana Salagare (ECE),
Ms. Rekha N (TCE)



Sri Y Ramachandra Naidu
President



Sri K Venkatesh Naidu
Secretary



Sri D Rukmangada
Treasurer

Dear Staff and Students,

It gives us immense satisfaction that the next issue of the college newsletter **CHINTANA MANTHANA** is ready for the readers. A college newsletter mirrors the success story of an institution in all fields and also acts as a great median to reach out to the outer world. It reflects upon the persistent and committed efforts made by faculty, staff and students for taking the institution ahead. Keeping in mind the academic excellence in the college, we have constituted an advisory board consisting of members who are great achievers in academics. We take this opportunity to thank the advisory board for extending their expertise for the benefit of the students. Newsletter brings out the achievements of the students and faculty alike we congratulate the editorial team for their efforts in bringing out this edition of newsletter.



Dr. K V A Balaji
CEO

It is a matter of pride as well as pleasure to present before our students our readers the next issue of a college newsletter **CHINTANA MANTHANA**. We feel honored for the faith reposed in us for performing the role of editors of the college newsletter. We have put whole hearted efforts to give a complete view of valuable achievements of different departments of our college.

While writing the principals message for our college newsletter **CHINTANA MANTHANA**. I requested a very small space to give my message because actions speak louder than voice. The remaining space can be utilized to showcase the activities in the college. It is so gratifying to work in an environment in which all the stakeholders value and respect their teachers. The ways we teach and the ways our students learn are unique and creative. Our college has substantially contributed in the progress of the society by producing quantity education and also encourages them to participate in extra circular and co-circular activities. The newsletter is a medium to highlight all the activities in the college and the achievements of the students. I congratulate the editorial team for successfully bringing out the 9th & 10th edition of **CHINTANA MANTHANA**.



Dr. T V Govindaraju
Principal/Director

MANAGEMENT TEAM



SITTING LEFT TO RIGHT : SRI R. LEELA SHANKAR RAO, SRI K. VENKATESH NAIDU, SRI K. SHIVA RAO, SRI Y. RAMACHANDRA NAIDU, SRI T. RAMACHANDRA NAIDU, SRI B. LOKANADHAN NAIDU, SRI D. RUKMANGADA, SRI L. KRISHNAMURTHY

STANDING LEFT TO RIGHT : SRI T. NEERAJAKSHULU NAIDU, SRI M. YOGAMURTHY, SRI M.C. VARADHARAJULU, SRI D. JAGADISH KUMAR, SRI N. KRISHNAMA NAIDU, SRI M.N. PADMANABHA, SRI N.M. KRISHNAMURTHY, SRI T. KUMAR, SRI P.B. PRAKASH KUMAR, SRI A.V.NAGARAJ, SRI M. SUDHAKAR



DEPARTMENT OF MECHANICAL ENGINEERING

ABOUT THE DEPARTMENT



Being one of the senior Department of the institution, the Department of Mechanical Engineering has many prides to its feather. A faculty of repute, excellent faculty and a good student community has contributed to make the Department vibrant and striving hard to achieve excellence in the area of academics and research. In keeping with the continued efforts for up-gradation and advancement of knowledge, the Department has successfully completed the establishment of various labs as per the University requirements and care has been taken to procure specialized equipment to inculcate an aptitude for research in faculty as well as students. The members of the faculty are actively involved in the Research and Development and have published papers in International & National Journals and conferences. The department also encourages the students to take part in sports and cultural activities. The Department has five faculty members with PhD. The faculty and students are actively involved in SAE BAJA and Gokart activities which have attracted the attention in the National level. The Department is organizing and hosting Auto dynamics workshops. The Department is organizing seminars, technical talks and industrial visits regularly to benefit the students. The students of the Department are actively involved in NSS activities. This year, our students had the pride of getting honored by the Prime Minister of India Mr. Narendra Modi. One of the UG project guided by Mr. Umashankar M, Assoc. Prof. was awarded as the best project of the year by KSCST. Our faculty members have the pride of BOE members of VTU and many autonomous institutions. They have chaired the sessions in different International and National conferences and have been invited as resource persons for delivering Technical talks. With all these activities, the Department is moving forward with a positive attitude.

Dr. K Rama Narasimha

DEPARTMENT WELCOMES

- Dr. B S Ajaykumar, Professor
- Mr. Shashi Kumjar B R, Assistant Professor
- Mr. Goutham S, Assistant Professor
- Mr. Kaushik M M, Assistant Professor
- Mr. Madhu G, Assistant Professor

LATEST TECHNOLOGY

Method for controlling Nanomotors

In a breakthrough for nanotechnology, engineers at The University of Texas at Austin have developed the first method for selecting and switching the mechanical motion of nanomotors among multiple modes with simple visible light as the stimulus.

The capability of mechanical reconfiguration could lead to a new class of controllable nanoelectromechanical and nanorobotic devices for a variety of fields including drug delivery, optical sensing, communication, molecule release, detection, nanoparticle separation and microfluidic automation.

Nanomotors, which are nanoscale devices capable of converting energy into movement at the cellular and molecular levels, have the potential to be used in everything from drug delivery to nanoparticle separation. Using light from a laser or



light projector at strengths varying from visible to infrared, the UT researchers novel technique for reconfiguring the motion of nanomotors is efficient and simple in its function. Nanomotors with tunable speed have already been researched as drug delivery vessels, but using light to adjust the mechanical motions has far wider implications for nanomotors and nanotechnology research more generally.

“The ability to alter the behavior of nanodevices in this way -- from passive to active -- opens the door to the design of

autonomous and intelligent machines at the nanoscale” Fan said.

The discovery of light acting as a switch for adjusting the mechanical behaviors of nanomotors was based on examinations of the interactions of light, an electric field and semiconductor nanoparticles at play in a water-based solution.

EVENTS CONDUCTED

EMANATION 2K18 was conducted on 5th October 2018. Shirish Krishnamurthy was the chief guest who was the alumni of KSIT. All the toppers of mechanical department were honoured.

EVENTS ATTENDED



- Mr. Anil Kumar A attended Recent Development and Challenges in Materials and Manufacturing Process (RDCMMP 2018) at Department of Mech Engineering, BIT, Bengaluru on 1st to 13th Jan 2018.
- Ms. N Sreesudha attended Recent Development and Challenges in Materials and Manufacturing Process (RDCMMP 2018) at Department of Mech Engineering, BIT, Bengaluru on 1st to 13th Jan 2018.
- Mr. Harish U attended Computer Aided Design Modeling & Analysis of Mechanical Systems at Dayananda Sagar Academy of Technology, & Management on 8th to 11th 2018.
- Mr. Harish U attended TEQIP – III Sponsored One Day Workshop on “Computer Integrated Manufacturing” at Dept of Mech Engg, Dr. Ambedkar Institute of Technology, on 23rd March 2018.
- Mr. Bharath Kumar KR attended NPIU-TEQIP – III sponsored 7 day Faculty Development Program on “Advance in Welding Technology” at Dept. of Mech Engg, Dr. Ambedkar Institute of Technology on 23rd to 27th April 2018.
- Mr. Mallikarjuna M R attended Workshop on – “Role of Ratings, Rankings & Accreditation in Creating Institutions of Eminence & Excellence” at Bites, PES University on 21st July 2018.
- Mr. K V Manjunath attended 7 day Workshop on “Research Methodology” at VTU Human Resource Development Centre (VTU –HRDC) on 30th July to 4th Aug 2018.
- Mr. Bharath Kumar K R Workshop on – “Role of Ratings, Rankings & Accreditation in Creating Institutions of Eminence & Excellence” at Bites, PES University on 21th July 2018.
- Mr. Abhishek M R attended Workshop on “New Model

Curriculum for PG Course (M.Tech/MCA/MBA) CBCS Detailed Syllabus (2018-19) as per Outcome – Based Education (OBE). format including Course Outcomes (CO) and Bloom’s Taxonomy” Under TEQIP-1.3 at BNMIT, Bengaluru, Organized by VTU on 6th Aug 2018 .

- Mr. Ranganath N attended Two Day Faculty Development on “IOT in Automotive and Manufacturing” at Dept of Mech Engg, PES University on 31st August to 1st September 2018.
- Mr. Bharath Kumar K R attended Two Day Faculty Development on “IOT in Automotive and Manufacturing” at Dept of Mech Engg, PES University on 31st Aug to 1st Sept 2018.
- Mr. Murulidhar K S attended ESHM 2017 Comparative study on flexible pot-stove with bio mass used kitchen stove at Bengaluru 2018.
- Mr. Madhu G attended Second Two day Workshop on Next Generation Energy Storage Materials : Challenges and opportunites at Dept. of Mech Engg, School of Engineering, Dayananda Sagar University, Bengaluru on Sept 28-29, 2018.

ACHIEVEMENTS BY FACULTY

- Dr. B S Ajay Kumar, delivered a guest lecture to JOC training students on 5th of March 2018 oraganised by “Karnataka State Skill Development Center”.
- Mr. Murulidhar K S was awarded “Best Young Scientist” SIAA-2018 Award, organized by ASDF, London in Royal Orchid Central Bengaluru on 7th april 2018.



PUBLICATIONS BY FACULTY

- Dr. K Rama Narasimha, HOD and Prof. “Effect of suction/ blowing on unsteady MHD slip flow of casson fluid over a stretching sheet with thermal radiation” in the journal of JSA, ISSN: 1844-9581.
- Dr. K Rama Narasimha, HOD and Prof. , “An experimental study to select optimum heat storage material bed thickness and optimum air velocity for designed solar dryer” in the journal of JERA, ISSN: 2248-9622.
- Dr. B S Ajay Kumar, Prof. “Effect of cutting speed on generation of heat at work-tool interface of copper based silver and brass alloys” in the journal IJMPERD, ISSN: 2249-6890.
- Dr. B S Ajay Kumar, Prof. “HVOF sprayed Ni3Ti and Ni3Ti+(Cr3C2+20NiCr) coatings: Microstructure, Microharness and oxidation behavior” in the journal of ELSEVIER, ISSN: 736(236-245).
- Mr. Umashankar M, Assoc. Prof. “Vertical take off and landing

(VTOL) aircraft using tiltrotor mechanism” in the journal IJRMEE, ISSN: 239-7947.

- Mr. Balaji B, Assoc. Prof. “Experimental and parametric investigation of wear phenomena of composite tubular electrode based hard facing layers on mild steel substrate” in the journal IJAETMAS, ISSN: 2349-3224.
- Mr. Nagprasad K S Assoc. Prof. “EGR, DPF and DOC Techniques for Comprehensive Reduction of emissions for engine fuelled with Diesel/DEE blends by three approaches”, communicated to SAE FISITA 2018 World Automotive Congress, 2nd to 5th October, 2018 to be held at Chennai, India.
- Mr. Nagprasad K S, Assoc. Prof. “Performance, Combustion and Emissions of Diesel Engine with different combustion chambers, exhaust gas recirculation rates and aftertreatment devices”, has communicated to International Journal of Sustainable Engineering, Taylor and Francis Publications, 2018.
- Mr. Nagprasad K S, Assoc. Prof. “Effects of Using Diesel Particulate Filter and Diesel Oxidation Catalyst with Exhaust Gas Recirculation on the Performance of Compression Ignition Engine Fuelled with Diesel- Di Ethyl Ether Blend”, communicated to European Journal of Sustainable Development Research, 2018.
- Mr. Murlidhar K S, Asst. Prof. “Emission control and fuel efficient by using arduino based self- regulating biomass stove” in the Journal IJMTE Vol.8 issue 10 October 2018.
- Mr. Murlidhar K S, Asst. Prof. “Construction of indoor positioning system using trilateration and Rtti fingerprint.” in the Journal IJMTE Vol-8 issue X October 2018 in the journal IJMTE Vol.8 issue 10 October 2018.
- Mr. Ranganath N, Asst. Prof. “Characterization of biodegradable polymer subject to different solvent mixture”, in the Journal IJERT ,ISSN:2278-0181,Vol 7,Issue 12, December-2018.
- Mr. Ranganath N, Asst. Prof. “Characterization of mechanical and thermal properties of biopolymer nanocomposites”, in the Journal IJERT ,ISSN:2278-0181,Vol.7, Issue-12, Dec - 2018.

CLUB UPDATES



ISIE HYBRID: Student Formula Hybrid and Vehicle Challenge at Buddh International Circuit, Greater Noida. The event consists autocross, acceleration, Cross pad and Endurance test. Out of 120 registered teams, 50 teams cleared the Technical Inspection, and secured 10th position and first in Karnataka.



ALPHA: The Team Prodigy Racers was started with the core principle of providing ample amount of exposure and practical knowledge in both design and fabrication to the students of KSIT. In the year 2018, Prodigy Racers participated in ISIE HYBRID VEHICLE CHALLENGE conducted in Buddh International Circuit, Greater Noida, Uttarpradesh.



SAEINDIA BAJA is being conducted by Mahindra since 2007 in India, Team Redline Racing is participating in the event from 2015, the event is held every year at INDORE (January) and IIT ROPAR (March). The event consists of various obstacle courses such as maneuverability, suspension, acceleration, sled pull and other static events where the ATV's performance is noted down and scores are provided accordingly. Every year around 400 teams register for the event across INDIA. Previous year 415 teams were registered and 70 teams were selected for the Endurance Race. The team secured 42nd position out of 415 teams the previous year. The Team also participated in the MEGA ATV CHAMPIONSHIP and secured 13th rank AIR and 1st in Karnataka and was awarded the “Best engineering design award” in the special category of awards.



ACHIEVEMENTS BY STUDENTS

- Aditya Pai, Akshay, Ankush Telkar, Shetty Ashraya Bhujanga attended the student project programme (SPP) 2017-18 (41st series) and was awarded the Best Project of the year at Babuji Institute of Engineering and Technology Davangere on 10th and 11th August 2018.



- Mr. Sirish Govardhan has taken part as a NSS Volunteer in the State Republic day parade in Bengaluru.



- Mr. Vinay and Mr. Sirish Govardhan got First place in the Power Point presentation organized by New Bengaluru for New India and got an opportunity to meet the honorable Prime Minister of India Mr. Narendra Modi.



- SAE BAJA team got the first place in the Design criterion in the recent BAJA competition.
- Prodigy Racers stood 5th in the Eco Kart series.
- Our UG project guided by Prof. Umashankar has secured the Best Project of the year award from KSCST in the state level.

BEST PROJECTS



- **“Temperature and Flow Control Of Boiler Using PID Controller”** carried out by Adithya Pai, Akshay, Ankush Telkar, Shetty Ashraya Bhujanga guided by Assoc. Prof. Umashankar
- **“Pedal Powered Water Purification By Reverse Osmosis”**, carried out by Revanth Divakar K, Yatish N, Shubham Kumar Lal, Sunil Naik A D guided by Assoc. Prof. K Prasad.

100% RESULTS

| | |
|----------------------|-----------------------------------|
| Mr. Harish U | Metal Forming |
| Mr. Harish U | Computer Integrated Manufacturing |
| Mr. Manjunath B R | Metal Forming |
| Mr. Bharath Kumar K | Total Quality management |
| Mr. Girish T R | Tribology |
| Mr. Parushuram A K | Automotive Engg |
| Ms. N Sreesudha | Operation Management |
| Mr. Mallikarjuna M | Tribology |
| Mr. Parushuram A K | Energy Engineering |
| Mr. K Prasad | Energy Engineering |
| Mr. Manjunath B R | Fluid Power Systems |
| Mr. Mallikarjuna M R | Tribology |
| Mr. Ranganath N | Fluid Power Systems |
| Mr. Umashankar M | Control Engineering |
| Mr. Harish U | Mechatronics |

MAGAZINES



Gear Solutions is designed to shine a spotlight on the multi-faceted gear industry. Through editorial contributions from industry experts, we explore elements of the gear production process, including raw materials, design, costs, heat treat, quality control, workflow, and more.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ABOUT THE DEPARTMENT



The Department of Computer Science and Engineering has a well-structured and remarkable aggregate of faculty and students alike. The faculty provides qualitative, industry tuned education to students with unreserved support from the Principal. This helps in shaping the students with multi-dimensional skills covering all the required graduate qualities. Our mission is to inculcate strong, theoretical and practical knowledge for continuous learning. The Department serves as a massive encouragement for co-curricular activities that imbibe teamwork and leadership qualities. Various workshops on programming skills, carrier guidance, cloud, Big Data Analysis, Artificial Intelligence, IoT and Networks remain active throughout the year to enhance the skills of the staff and students. The department constitutes various labs and research centres that provide the perfect environment and equipment to aid the students in their journey to become successful Computer Science engineers. I would like to heartily congratulate the staff and students for all their achievements and hope to see more such laurels in the coming future.

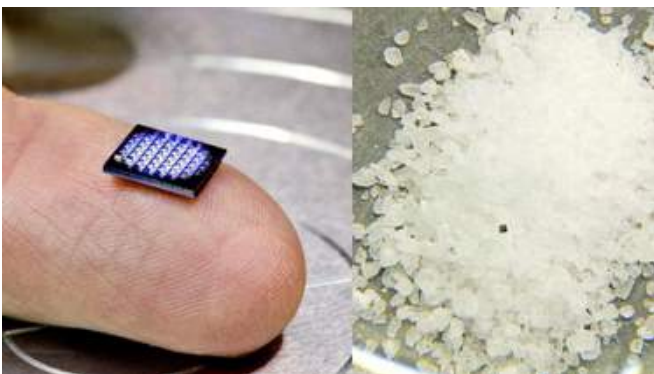
Dr. Rekha B Venkatapur

DEPARTMENT WELCOMES

- Dr. Ram P Rustagi, M.Tech, PhD, Professor.
- Ms. Ashwini, Assistant Professor
- Ms. Ranjitha K N, Assistant Professor
- Ms. Beena K, Assistant Professor

LATEST TECHNOLOGY

A I Powered Microchip Which will Help to clean up the World's water supply.



By 2025, more than half of the world's population will be living in water-stressed areas. Scientists struggle to collect and analyze the data about the real-time conditions of our oceans, lakes and rivers. There are specialized sensors that can be deployed to detect specific chemicals and conditions in water, but are not fully effective. They miss the unanticipated ones. Autonomous, robotic cameras developed by IBM and powered by AI have the potential to monitor the behavior of plankton, which in turn will give insights into factors affecting the quality of water so they can be acted upon immediately. The findings can be used to better understand their behavior, such as how they respond to changes in their environment caused by everything from temperature to oil spills to run off. Plankton, however, are natural, biological

sensors of aquatic health. Even slight changes in water quality affects their behavior. They also form the foundation of the aquatic food chain. Yet, very little is known about how plankton behave in their natural habitat. Making this device efficient with high performance and low powered AI is essential so they can be used in bulk. Hence, these devices will simply track shadows and movements through light sensors. The microchip which could potentially save the world's water supplies.

EVENTS CONDUCTED

- On 3rd March 2018, a talk was given by Dr. Manish Gupta, Co-Founder and CEO, Video Kan and Infosys and Foundation Chair Professor, IIIT-B, Bangalore for 6th semester students.



- On 17th Feb 2018, a technical talk was presented by Dr. Prakash, former chairman, CSI Bangalore chapter for the 6th semester students.
- DBMS workshop, on 23rd September 2018, a talk was given by Mr. Pradeep kumar G H, Mr. Kumar K, Ms. Sougandhika Narayan and Ms. Swathi K – for 5th Sem students.
- Data Science and Analytics workshop, on 23rd September 2018, a talk was given by Mr. Fazeel, Software Developer, Digits Technology Tutor, IIHT Bangalore Target Audience – 5th Sem Students Under CSI Student chapter.
- On 26th Feb 2018, a technical talk was given by Mr. Prashant K V, staff security engineer, Khols, San Francisco, Mr. Suraj Pratap, ethical hacker, Apple, Singapore and Ms. Vandhana Varma Chiranthana, KSIT Alumni Association for the 6th semester students.



- On 2nd and 3rd of April 2018, a workshop was conducted by Dr. Manish Gupta and Dr. Ram P Rustagi, MD, Cavisson for 6th semester students.
- On 10th May 2018, a project exhibition was conducted for the 8th semester students and the chief guests for the event were Dr. D Sathish Kumar, Assoc. Prof., CSE, RNSIT and Mr. Sudhakar, Architect, Aarika Infosystems Pvt.Ltd.



- IBM Analytics, Google Digital Marketing & Data Science, Analytics and Machine learning, on 23rd August 2018, a talk was given by Mr. Vivekakanda and Mr. Roopesh of Vision Digital India of Imperial Group for 5th semester students.



- Future works skill and start up engineering, on 7th September 2018, a talk was given by Prof Nagabhusan MSRIT Bengaluru for 7th and 3rd semester students under BITES.
- Engineers Day Theme “ Digital Transformation : A New Industrial Revolution”, on 29th September 2018, a talk was given by Mr. Mohammed Abububacker Ali (Alumni of CSE Dept. KSIT) , Lead Consultant & Marketing Manager.
- Sentinel Hack - 18, on 9th Nov and 10th Nov 2018, Judges Mr. Anil Kumar T V , Chief Executive Officer, Aमेya Group of Companies. Mr. Pradeep Yadav, CTO, CIOC, Mr. Vijay Kulkarni, Senior Engineer, Thermo fisher Scientific - 54 teams with 189 students from 22 different technical institutions across the state of Karnataka.
- “VMware Virtualization and Cloud Essentials” on 13th Nov & 14th Nov 2018, a talk was given by Mr. Mayank Srivastava & Mr. Naresh Babu , VMware Certified Instructor L2, IT Consultant & CEO for 5th semester students Under BITES.
- Elective Awareness Program, On 23rd Nov and 27th Nov, a talk was given by Dr. Rekha B Venkatapur, Prof. HOD CSE,

Dr. Dayananda R B, Prof., Dr. Ram P Rustagi, Prof, Ms. Ashwini -122 students of 7th Semester Students and Prof. K.Venkata Rao , Assoc. Prof, Ms. Priyanga P, Assoc. Prof, Mr. Pradeep K R, Asst.Prof, Ms. Beena, Asst. Prof. - 128 for 5th sem Students .

EVENTS ATTENDED

- 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, Bengaluru from 8th to 12th January, 2018.
- 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.
- Ms. 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.
- Ms. 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.
- Ms. P Priyanga attended a 6 day FDP on “Advanced machine learning algorithms” at Global Academy of Technology between 18th and 24th January 2018.
- Ms. Swathi K attended a KSCST projects seminar and exhibition program held at JIT Bengaluru on 19th May 2018.
- Ms. Swathi K attended a seminar on “Data Science and Statistics - Trends and Challenges” organised by Centre for Inter-Disciplinary Research along with Department of ISE held at JSS Academy of Technical Education, Bengaluru between 4th and 5th July 2018.
- Ms. P Priyanga, Mr. Pradeep K R and Ms. Swathi K, attended a 2 days National symposium 2018, “ Data Science and Statistics – Trends and Challenges” at JSSATE, Bengaluru on 4th and 5th July 2018.
- Ms. P Priyanga, Ms. Vaneeta M, Mr. Pradeep K R and Mr. Pradeep kumar G H, attended a 6 day FDP on “Machine Learning” at SJBIT, Bengaluru from 9th to 14th July, 2018.
- Ms. Vijayalaxmi , attended a 3 Days FDP on “Machine Learning” at RNSIT, Bangalore from 19th to 2 July’2018.
- Dr. Ram P Rustagi, has been a resource person for the FDP on “Networks & Cyber Security” at Shri Mata Vasishno Devi University, Kakryal, Katra on 24th July 2018. Dr. Ram P Rustagi, has been a Domain expert for the 5 day Workshop on “Cyber Security” at NIT, Agartal from 16th to 20th July ’2018.
- Dr.Rekha B Venkatapur , attended the workshop on “AICTE New model Curriculum for PG Course as per OBE” at BNMIT, Bengaluru on 6th Aug 2018 .
- Dr Rekha B Venkatapur, attended “Indian Technology Congress – 2018” at NIMHANS Convention centre Bengaluru, from 5th Sep to 6th Sep 2018.
- Dr. Ram P Rustagi, Participated in the “24th International Conference on Advanced Computing and Communications (ADCOM 2018)” as a Resource Person for “Deep Learning & Applications” at IIT, Bengaluru from 21th to 23rd Sep 2018.
- Dr. Rekha B Venkatapur, attended 2 days BITES Annual Convention 2018 on “New Paradigms in Higher Education” at BMSCE, Bengaluru, from 23rd Nov to 24th Nov 2018.
- Ms. Sangeetha V, Ms. P Priyanga, and Ms. Vaneeta M ,

attended a one day workshop on “Women Rock – IT”, at Christ University, Bengaluru on 25th Sep’2018.

- Ms. P Priyanga and Mr. Pradeep K R, attended a one day workshop on “VMware IT Academy” at VMware, Bengaluru on 3rd Oct’2018.
- Ms. Deepa S R, Ms. Sangeetha V, Ms. P Priyanga, and Ms. Vaneeta M, attended a 2 day Workshop on “VMware Virtualization and Cloud Essentials Workshop” at KSIT from 13th to 14th Nov’2018.
- Dr. Ram P Rustagi, participated in “BITES Annual Convention 2018” at BMS College of Engineering, Bengaluru from 23rd to 24th Nov 2018.
- Dr. Ram P Rustagi, has been a resource person for the Guest lecture on “Experiential Learning Web security and Man in the Middle Attack” at Ramaiah Institute of Technology, Bengaluru on 10th Dec’2018.
- Dr. Dayanada R B, attended a National Symposium on “The Internationalization of Higher Education: A paradigm Shift” at Dr. AIT, Bengaluru on 18th Dec’2018.

PUBLICATIONS BY 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. Dayanand R B, “Human Cloud Integration in next generation health care system for wearable devices”, International Journal of Inventive Engineering and Sciences, Vol 3, Issue 4, March 2018.
- Ms. P Priyanga, “A study on implementation of Data Mining techniques for cardiac disease prediction”, International Journal for research in Technological Studies, Vol 5, Issue 4, ISSN: 2348-1439, March 2018.
- Mr. Pradeep K R,” A review of Lung Cancer prediction system using Data Mining Techniques, Logistic regression, SVM and Naive Bayes machine learning algorithms”, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol 6, issue1, ISSN: 2348-2281, 2018.
- Mr. Pradeep K R,” Lung Cancer Survivability Prediction based on Performance Using Classification Techniques of Support Vector Machines, C4.5 and Naive Bayes Algorithms for Healthcare Analytics”, ELSEVIER PROCEDIA Computer Science, Science Direct, 2018.
- Ms. Vaneetha M, “A Survey Paper for Brain Tumour Detection and Classification”, International Journal for Research in Technological Studies, Vol 5, Issue5, ISSSN 2348-1439, Apr 2018.pp 16-17
- Ms. Swathi K, “Survey on mobile application related to pharmaceutical industry and healthcare”, International Journal for Research in Technological Studies, Vol 5, Issue 4, ISSN 2348-1439, March 2018.
- Dr. Rekha B Venkatapur, “Electronic Voting machine based on Blockchain Technology and Aadhar Verification”, International Journal on 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, Vol 5, Issue 6, ISSN 2348-1439, 2018,pp 33-35
- Ms. Deepa S R, “Survey on various smart parking systems and its technology”, International Journal on Inventive Engineering and Sciences, Vol 3, No. 2, ISSN: 2456-3463, 2018.
- Ms. Sougandhika Narayan, “Intelligent management system for agriculture greenhouse using IoT”, International Journal of Innovations in Engineering and Science, Vol 3, No 2, ISSN 2456-3463. 2018.pp 24-26.
- Ms. Vijayalakshmi Mekali, “Automated Lung Cancer detection system using computed tomography images”, International Journal International Journal of Innovations in Engineering and Science, Vol 3, No 4, ISSN: 2456-3463, 2018.pp 37-44
- Mr. Aditya Pai, “Prediction of urban air pollution by a machine learning method”, International Journal of Advance Research, Ideas and Innovations in Technology, Vol 4, Issue 2, ISSN: 2454-132X, March 2018.
- Mr. Roopesh Kumar B N, “Lot based Smart Self Tracking Automaton using Arduino”, International Journal of Advance Research, Ideas and Innovations in Technology, Vol 4, Issue 2, ISSN: 2454-132X, March 2018.pp 880-883.
- Mr. Kumar K,” A Secure Data Sharing for Hierarchical Sub-Groups using Identity Based Encryption Scheme for E-Healthcare System”, International Journal for Research in Technological Studies, Vol 5, Issue 4, ISSN: 2348-1439, March 2018.pp40-42.
- Mr. Raghavendrchar S,” Security System for Detection of Intrusion & Mines with Wireless Secured Communication & Movement Tracking in Terrains”, International Journal for Research in Technological Studies, Vol 5, Issue 5. ISSN: 2348-1439, Apr 2018.
- Ms. Deepa S R, “Cluster optimization in Wireless sensor networks using particle swarm optimization” in Social Transformation – a Digital way, CCIS-Springer, Volume 836, PP: 240-253.
- Ms. P Priyanga “Cluster Based Deep Neural Network (C-DNN) approach to Detect Heart Disease” Journal of Web Engineering(JWE), Indexed by Scopus, ISI, EI, Published by Rinton Press, USA, Vol. 17, No.6, Oct’2018 3042-3059.
- Ms. P Priyanga “Analysis of Machine Learning Algorithms in Health Care to Predict Heart Disease”, International Journal of Healthcare Information Systems and Informatics (IJHISI), Indexed by United States, Web of Science, Scopus, Google Scholar, Journal TOCs, ACM digital Library, INSPEC, DBLP, Volume 13, Issue 4, September 2018. (DOI 10.4018/IJHISI.2018100106).
- Ms. Swathi K, Dr. Arun Biradar et.al, “Frequency Distribution for Software Defect Prediction”, HBRP Publication, Advancement of Computer Technology and its Applications Volume 1, Issue 3, PP: 19-22, September 2018.
- Ms. Swathi K, Dr. Arun Biradar et.al, “Analysis of Variance Carried Out For Software Defect Prediction”, HBRP Publication, Recent Trends in Information Technology and its Applications, Volume 1, Issue 3, PP: 15-18, September 2018.
- Ms. Swathi K, Dr. Arun Biradar et.al, “Chi Square Test for Software Defect Prediction”, HBRP Publication, Journal of Advancement in Software Engineering and Testing, Volume 1, Issue 3, PP: 8-11, September 2018.
- Ms. Swathi K, Dr. Arun Biradar et.al, “Factor Analysis in Software Defect Prediction”, HBRP Publication, Journal of Advancement in Software Engineering and Testing, Volume 1, Issue 3, PP: 1-7, September 2018.
- Aditya Pai H, Piyush Kumar Pareek et. al., “Need for Improvement in Software Processes in SME’s”, International Journal of Management, IT & Engineering, Vol. 8, Iss. 10(1), October 2018.

- Aditya Pai H, Piyush Kumar Pareek, "Failure Mode Effective Analysis for Software Processes", International Journal of Research in Engineering, IT and Social Sciences, ISSN: 2250-0588, Vol.8, Iss. 10, Oct'2018.
- Ms. Sangeetha V, "Probabilistic Framework for assessing the threat level using novel Decision Constructs in Mobile Adhoc Network" International Journal of Network Security" Volume 20, Issue 6, Nov'2018, pp 1085-1092.

TEXTBOOKS BY FACULTY



- Ms. Swathi K co-authored a textbook on "Reduction of cycle time by implementing Value Stream Mapping", ISBN: 978-613-4-99918-2, published by Lambert Publications, Germany, Jan'2018.
- Aditya Pai H, "Research on Web Portal for Managing Research and Development", Lambert Publishing, ISBN: 9786139938513, November, 2018.

ACHIEVEMENTS BY FACULTY

- 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" in March 2018.
- 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 woman", in March 2018.
- Mr. Pradeep K R 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", in March 2018.
- Mr. Pradeep Kumar G H received a fund of Rs.3lakh from BAICTE, MHRD SMART INDIA HACKATHON for conduction and submission of a research paper on "Bar Code for Dual Purpose".
- Ms. P Priyanga, Assistant Professor, received a "Young Women in Engineering" in recognition for the contribution and achievement in the field of computer Science and Engineering on 3rd March 2018, by Venus International Foundation, Chennai.
- Ms. Vaneeta M, Associate Professor, received a "Outstanding Women in Engineering" in recognition for the contribution and achievement in the field of computer Science and Engineering on 3rd March 2018, by Venus International Foundation, Chennai.
- Ms. Deepa S R, Associate Professor, received a "Longest Continuous SVS award" in recognition of the significant contribution to the CSI activity on Jan 2018, by Computer Society of India.
- Dr. Dayannd R B professor, recieved a "Governor's National Award for Excellence in research and development" in recognition of his remarkable achievements and outstanding contributions in the field of Research Publications and teaching in Engineering Decipline" on 10th November 2018, by

Global Research Academy.

- 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", in March 2018.
- 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.



ACHIEVEMENTS BY STUDENTS

- 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.
- Shravan B, Prabhu B, Aditya Kumar and Nikhil M participated and won first place at HAXPLOIT, SJBIT held on 23rd and 24th February 2018. They were awarded with a cash price of Rs.10,000. Kushal S T, Apoorva V, Nikhila M Y and Keerthana V stood 5th and were given consolation prizes.
- 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.





- Ms. Niharika Rajaram and Ms. Monisha R of 6th Sem A section students, have secured the 3rd Place in Hackthon 2.0 held at Dayananda Sagar College of Engineering on 17th and 18th Nov 2018.

100% RESULTS

| | |
|-------------------------|---|
| Dr. Rekha B Venkatapur | Advances in Operating Systems |
| Mr. Krishna Gudi | Management and Entrepreneurship for IT Industry |
| Mr. Aditya Pai | Management and Entrepreneurship for IT Industry |
| Mr. Pradeep Kumar G. H | Advanced Java and J2EE |
| Mr. Kumar K | Object oriented modelling and design |
| Mr. Roopesh Kumar B N | Embedded Computing Systems |
| Ms. Priyanga P | Java and J2EE |
| Mr. Pradeep K R | Programming the Web |
| Ms. Sangeetha V | Advance Computer Architectures |
| Ms. Sangeetha V | Cryptography, network security and cyber law |
| Ms. Swathi K | Cryptography, network security and cyber law |
| Ms. Vaneeta M | Operating systems |
| Mr. K Venkata Rao | Operations research |
| Dr. Rekha B Venkatapur | System modelling and simulation |
| Ms. Sougandhika Narayan | Information and network security |

MAGAZINES



Wired magazine is touted as being the “Rolling Stone of technology,” and once you flip through the pages, you’ll see why. Wired presents information about technology in highly visual and vividly colorful format this magazine is full of eye candy. Technology enthusiasts and geeks turn to Wired magazine to find out about the latest trends in the tech lifestyle. In Wired you won’t find articles on how to upgrade your PC. Instead, you’ll find topics on online culture, science, business, and of course shiny new gadgets Wired is currently ranked #3 on Amazon’s list of best selling magazines in the computers and internet category.



Right behind Wired on Amazon’s list of best selling tech magazines is Maximum PC. This is a magazine designed for true computer enthusiasts the content is tailored for advanced users, not newbies. Inside you’ll find brutally honest hardware reviews, guides on overclocking, tweaking tips, and awesome project guides. Maximum PC promises minimum BS, and they deliver if you’re looking for articles on business IT topics look elsewhere. Wired credited Canadian media theorist Marshall McLuhan as its “patron saint.” From its beginning, the strongest influence on the magazine’s editorial outlook came from techno-utopian cofounder Stewart Brand and his associate Kevin Kelly.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ABOUT THE DEPARTMENT



I am very happy to pen down details about the events and activities that were organised in ECE Department for the academic year 2018. The year was full of various activities by the students and faculty academic, co-curricular, extra curricular as well as in research and development. The Department has rich curriculum and allied activities to provide a comprehensive education for students. With the support of most learned and enthusiastic staff we were able to organise many events like workshops, guest lectures, technical talks and industrial visits for our students to make them technically well off, to be critical thinkers, productive citizen, and leaders in a wide range of careers. The mission of our Department is to produce engineers with self discipline, high integrity and good personality by providing excellent training. Department has maintained quality placement record till date and we are proud of our long sustained placement records of a students in different multinational industries and higher education at different top level universities after qualifying GRE or TOEFL.

Dr. P N Sudha

LATEST TECHNOLOGY



Machine learning (ML) is the scientific study of algorithms and statistical model that computer systems use to effectively perform a specific task without using explicit instructions, relying on patterns and inference instead. Machine learning algorithms build a mathematical model of sample data, known as “training data”, in order to make predictions or decisions without being explicitly programmed to perform the task. Machine learning algorithms are used in the applications of email filtering, detection of network intruders, and computer vision, where it is infeasible to develop an algorithm of specific instructions for performing the task. Machine learning is closely related to computational statistics, which focuses on the making predictions using computers. The study of mathematical optimization delivers methods, theory and application domains to the field of machine learning. Data mining is a field of study within machine learning, and focuses on exploratory data analysis through unsupervised learning. Applications for machine learning include: applications for machine learning include: Agriculture, Affective computing, Bioinformatics, Brain-machine interfaces Cheminformatics, Computer Networks, Computer vision, Credit-card fraud detection, Data quality , DNA sequence classification,

Economics, Financial market analysis, General game playing, Handwriting recognition, Speech recognition etc.

EVENTS CONDUCTED

- A visit to DESIRE Society was organized by IEEE KSIT SB on 20th Jan 2018.
- A Talk on GSM was organized on 7th Feb 2018 by IEEE KSIT SB. Mr. C K Prem Kumar, ME, Chief Business co-coordinator and Mentor Ultra Cube private limited was the resource person.
- A two day workshop on Intra Arduino was conducted on 15th & 16th Feb 2018 in association with IETE.
- A Two day workshop on “Embedded Systems with MSP430” was conducted by the IETE on 17th & 18th of Feb 2018. This event was conducted in conjunction with Jyothi Technologies Bengaluru with Mr. Sanjay as the resource person.



- IEEE KSIT SB visited Vani Vilas Girls School, Kalasipalya, Bengaluru and Kadapaswamy matta Government high school, Bengaluru on two consecutive days i.e. 23th & 24th Feb 2018 to educate girls on cleanliness, hygiene & also gave career guidance as a part of humanitarian activity.
- International women's day was celebrated on 8th March 2018 which was organized by IEEE KSIT SB. Ms. Suma Krishnaswamy was the resource person.
- IEEE KSIT visited Karnataka Anatha Makkala Abhivrudhi Samasthe, BSK 3 stage, Bengaluru on 22nd July 2018 as a part of their humanitarian event AASARE to spread happiness to the students of aashram.



- Annual IEEE Valedictory Function was celebrated on 7th May 2018 in association with IEEE KSIT SB & WIE Affinity group. Shrikanth S Tangade, IEEE Bengaluru Section, Co-Chair (SAC) and Branch Counsellor, REVA University, Bengaluru was the chief guest.
- Project Exhibition for final year students was organized on 10th May 2018 in association with IEEE KSIT SB. Mr. Ganeshan Viswanathan, Visva Jyothi Technologies Pvt Ltd., Bengaluru was invited as the judge for the event.
- IEEE KSIT SB & WIE Affinity group had organized a Happiness Program for faculties of KSIT from 23rd July 2018 to 28th July 2018. Ms. Vijayashree and Vanishree from ART OF Living Centre, Bengaluru were invited as the chief guest for the event.
- An Induction program for the first year students was organized on 11th Aug 2018 in association with IEEE KSIT, Dr. P N Sudha, Prof, ECE HOD, KSIT, Bengaluru addressed the students.



- A Guest lecture on "Robotics and Artificial Intelligence" was organized on 9th March 2018 by IETE. Dr T C Manjunath, DSCE, Bengaluru was the resource person.
- IEEE KSIT SB organized their mega event InnovacEEEa 2.0 on 24th March 2018 where students from various colleges participated in the semi-technical events.

- IEEE KSIT SB & WIE affinity group organized a fun-raising event for the Kerala and Coorg floods on 21st Aug 2018 as a part of their humanitarian event-AASARE.



- A workshop on ARTF (Almost Ready to Fly) was organized by GARUT Aeromodelling club on 18th Aug 2018. Smt. Saraswathi, Deputy General Manager (ret.), Aircraft Design Division, HAL was the resource person.
- A technical workshop on programming and logic skills was organized for the final year students on 21st Aug 2018 to 18th Sept 2018 in association with IEEE KSIT SB. Dr. Joy Prabhakaran, Prof, ECE Dept, KSIT, Bengaluru was the resource person.
- A two-day workshop on Quad copters was organized in association with GARUT Aero modelling club on 1st Sept 2018 & 2nd Sept 2018. Mr. Shankarsan, from Sky fiLabs was the resource person.
- A talk on Nurture the Future-Empower the Adolescent Girls was organized on 3rd Sept 2018 in association with WIE MBBS, DNB(OBG) was the resource person.
- An Industrial visit to NAL for the second-year students was organized in association with IEEE KSIT SB on 22nd Sept 2018. Mr. A Somanarayanan was the resource person.
- IEEE day was celebrated on 3rd Oct 2018 in association with IEEE KSIT SB & WIE Affinity group. Ms. Divya M G was the chief guest of the event.
- An Inter Collegiate Mini Project Exhibition was organized on 3rd Oct 2018 in association with IEEE KSIT SB. Dr. M J Shanti Prasad was invited as the judge of the event.
- An Inter-Collegiate Poster Presentation with the theme "Women as leader", Innovator was organized on 3rd Oct 2018 in association with WIE Affinity group. Dr. Fathima Jabeen was invited as the judge for the event.
- A Guest Lecture on Machine learning and deep learning applications for the third-year students was organized



in association with IEEE KSIT SB. Mr. Pramod Kumar Naik, Senior Application Engineer, CoreEL Technologies, Bengaluru was the resource person.

- IEEE KSIT SB visited Jeevan Sandhya Ashram, an old age home on 11th Oct 2018 as a part of their humanitarian event AASARE.
- A Technical Talk on “Microwave Amplifiers and Its Research Issues” was organized for the final year students on 2nd Nov 2018 in association with IEEE KSIT SB. Dr. B T Venkatesh Murthy, Assistant Professor, ECE Dept, SIT Tumkur was the resource person.
- A Dental health awareness and free screening camp was organized on 3rd Nov 2018 in association with IEEE KSIT SB. Parth dental clinic took the initiative in serving for the cause.
- A Two-Day Workshop on MAT lab Signal Processing Applications was organized on 19th Nov 2018 & 20th Nov 2018 in association with IETE. Mr. Pramod Kumar Naik, Senior Application Engineer, CoreEL Technologies, Bangalore was the resource person.
- Self-defence demonstrations for girls were organized on 3rd Sept 2018 in association with WIE affinity group & IEEE KSIT SB. Dr. Rithesh Reddy and team were the resource person.



EVENTS ATTENDED

- Ms. Priyadarshini J Patil attended 4 days FDP on “Latest Advancement in Power Engineering Sector” from 8th to 11th Jan 2018 at DSATM, Bengaluru.
- Ms. Sahana Salagare has attended 1 day workshop on “Sonar Signal Processing” held on 3rd Feb 2018 at KSSEM, Bengaluru.
- Ms. Jayasudha B S K has attended 5 days FDP on “Biomedical Signal Processing” from 11th to 15th of June 2018 at BNMIT, Bengaluru.
- Dr. Sureka Borra, Professor has attended two-day workshop on “project management” held during 25th to 26th April 2018 organized by Karnataka Science and Technology Academy (KSTA), Bengaluru and has also attended 5 days FDP on “Machine learning tools and Techniques” from 17th – 21st Dec 2018 at JSSATE, Bengaluru.
- Mr. Sampath Kumar, Asst. Professor, has attended a one-day workshop on first year syllabus on 14th may 2018 at MSRIT, Bengaluru.
- Ms. V. Sangeetha, Asst. Professor, has attended a 1-week FDP on “Emerging Technologies in short range wireless communication” from 2nd -6th July 2018 at RVCE, Bengaluru.
- Ms. Sahana Salagare, Asst. Professor has attended two-day workshop on “National Symposium-2018 on IOT trends &

Opportunities” from 4th to 5th July 2018 at JSSATE, Bengaluru.

- Ms. Jayasudha BSK, Asst. Professor and Ms. Veda B Asst. professor has attended one-day workshop on “Role of rankings, ratings and accreditations in creating institution of Eminence & Excellence” on 21st July 2018 at PES University, Bengaluru.
- Ms. Pragathi P, Asst. Professor had attended 3 days FDP on “AI and Machine Learning “by FAER from 26th -28th July at MSRIT, Bengaluru.
- Ms. Aruna Rao, Mr. Praveen A, Asst. Proffessor have attended a seminar on “Mentor graphics forum” on 27th July 2018 at Leela palace, Bengaluru.
- Dr. P N Sudha, Professor has attended a one-day workshop on “New Model Curriculum for PG course CBCS detailed syllabus as per outcome-based education” on 6th august 2018, VTU at BNMIT, Bengaluru and also attended a program on “ITC Technology First” for 2 days from 5th -6th September at NIMHANS Conventional Centre, Bengaluru.
- Ms. Nitya Kumari, Asst. Professor, Dr Surekha B Professor, Ms. Jayasudha BSK, Asst. Professor and Ms. Lakshmi HR , Asst. Professor had attended two-day workshop on “Mat lab for signal Processing Applications” from 19th – 20th November 2018 at KSIT, Bengaluru.
- Dr. P. N Sudha, Professor, had attended a 2 days convention program “Bites Annual Convention” from 23rd -24th November 2018 at BMS College of engineering, Bengaluru and also attended one-day workshop on 4th Jan 2018 about “New approach to Techniques” in Global Academy of Technology, Bengaluru.
- Ms. Nitya Kumari, Asst. Professor and Ms. Jayasudha BSK, Asst. Professor had attended a one-day seminar on “Developing and Deploying Deep learning applications using Mat lab” on 28th November 2018 at Math works, Inc. Hotel Cornad, Bengaluru.

FUNDED PROJECT



- Mr C V Chiranthan and his project team have recieved a fund of 5000 INR for the project titled “Body area Networks (BAN) based Smart Security Card System” for the Student Project Programme – 41st Series by KSCST under the guidance of Ms Sangeetha V, Asst Professor.

PUBLICATIONS

- Dr. Rohit Thanki, Dr. Komal Borisagar, Dr. Surekha Borra, “Advanced Compression and Watermarking Techniques for Speech Signals”, Springer Briefs in Speech Technology, Springer – ISBN 978-3-319-69069-8, 978-3-319-69068-1 ISSN: 2191-737X DOI : 10.1007/978-3-319-69069-8
- Dr. Nilanjan Dey, Dr. Amira S Ashour, Dr. Surekha Borra, “Classification in BioApps- Automation of Decision Making” Lecture Notes in Computational Vision and Biomechanics (LNCVB Series), Series Volume 26, Springer – ISSN: 2212-9391 ISBN 978-3-319-65980-0 ISBN 978-3-319-65981-7 (eBook).

BOOK CHAPTERS

- Dr. Nabanita Das, Dr. Surekha Borra, Dr. Nilanjan Dey, Dr. Samarjeet Borah, "Social Networking in Web Based Movie Recommendation System", *Social Networks Science: Design, Implementation, Security, and Challenges*, Chapter 2, Springer International Publishing pp. 24-45, 2018, E-ISBN: 978-3-319-90059-9.
- Dr. Rohit Thanki, Dr. Surekha Borra, Dr. Komal Borisagar, "A Hybrid Watermarking Technique for Copyright Protection of Medical Signals in Teleradiology", *Handbook of Research on Information Security in Biomedical Signal Processing*, Chapter 17, pp.320-349, 2018, [ISBN: 9781522551522].
- Dr. Rohit Thanki, Dr. Surekha Borra, Dr. Nilanjan Dey, Dr. Amira S. Ashour, "Introduction to Medical Imaging and Objective Quality Assessment Techniques", *Studies in LNCVB Series*, Springer, Chapter 1, pp.3-32, [EBook ISBN 978-3-319-65981-7].
- Dr. Pragati Pukkela, Dr. Surekha Borra, "Machine Learning based Plant Leaf Disease Detection and Severity Assessment Techniques: State-of-the-Art", *Studies in LNCVB Series*, Springer, Chapter 8, pp. 199-226, [EBook ISBN 978-3-319-65981-7].
- Dr. Ambika Annavarapu, Dr. Surekha Borra, Dr. Padmavathi Kora, "ECG signal Dimensionality Reduction based Atrial Fibrillation Detection", *Studies in LNCVB Series*, Springer, Chapter 14, pp.383-406, [EBook ISBN 978-3-319-65981-7].
- Dr. Padmavathi Kora, Dr. Ambika Annavarapu, Dr. Surekha Borra, "ECG based Myocardial Infarction Detection using Hybrid Classification Techniques", *Studies in LNCVB Series*, Springer, Chapter 3, pp.57-78, [EBook ISBN 978-3-319-65981-7].
- Vidyasree P, Madhavi Gudavalli, Viswanadha Raju S, Dr. Surekha Borra, "A BioApplication for Accident Victims' Identification using Biometrics", *Studies in LNCVB Series*, Springer, Chapter 15, pp.407-447, [EBook ISBN 978-3-319-65981-7].
- Madhavi Gudavalli, Viswanadha Raju S, Vidya sree P, Dr. Surekha Borra, "Secured Optimal Cost Approach for Bimodal Deep Face Recognition in IoT and Its Applications", *Handbook of Research on Big Data Management and the Internet of Things for Improved Health Systems*, IGI Global, USA, Chapter 10, pp.163-175. [DOI: 10.4018/978-1-5225-5222-2.ch010].
- Dr. Ambika Annavarapu, Dr. Surekha Borra, Dr. Padmavathi Kora, "ECG signal Dimensionality Reduction based Atrial Fibrillation Detection", *Studies in LNCVB Series*, Springer, Chapter 14, pp.383-406, [EBook ISBN 978-3-319-65981-7].
- Dr. Padmavathi Kora, Dr. Ambika Annavarapu, Dr. Surekha Borra, "ECG based Myocardial Infarction Detection using Hybrid Classification Techniques", *Studies in LNCVB Series*, Springer, Chapter 3, pp.57-78, [EBook ISBN 978-3-319-65981-7].

INTERNATIONAL JOURNALS

- Ms. Aruna Rao B, Ravi Shankar, Dr. Shanthi Prasad M J, "A Technical survey of single-ended input/ output (I./O) Logic families & key performance parameters", *International journal of emerging technology and advanced engineering*, Volume 08, Issue 05, May 2018, ISSN: 2250-2459.

- Chethana N Gowda, Aishwarya C S, Sruthi Boggarapu, Mrudulla P Y, Ms. Lakshmi H R, "A Survey On Smart City Application: An IoT Based Car Parking System", *International Journal Of Creative Research Thoughts (IJCRT)*, Vol.6, Issue 2, pp. 1057-1062.
- Harshitha S, P Devika, Ms. Lakshmi H R, "Intelligent Infant Monitoring Using Smart Cradle- Literature Survey", *Quest International Multidisciplinary Research Journal*, Volume - 7, Issue - 4, pp. 110-115, April - 2018, ISSN: 2278 - 4497
- Sneha. P. K, Rabichith, Sri Nithya S, Dr. Surekha Borra, "Crowd Density Estimation Using Image Processing: A Survey", *International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 13, Number, pp. 6855-6864, 2018.
- Dr. Surekha Borra, Dr. Rohit Thanki, Dr. Nilanjan Dey, Dr. Komal Borisagar, "Secure Transmission and Integrity Verification of Color Radiological Images using Fast Discrete Curvelet Transform and Compressive Sensing", *Smart Health*, <https://doi.org/10.1016/j.smhl.2018.02.001>, Received date: 25 November 2017, Revised date: 15 January 2018, Accepted date: 23 February 2018, Available Online on 25 February 2018.
- Dr. B Sudarshan, Jayashree, Kavya V, Sanjana K S, Navitha T, Nischitha N, "Power theft detection in agriculture and field protection-A Literature Survey", *IJLEMR*, Vol. 3, Issue 3, March 2018, pp. 01-11.
- Hrushikesh J R, Balraj B, Chandan R, Pavan Kumar G, Ms. Sangeetha V, "Leap Motion Controlled Wheel Chair", *International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS)*, volume 2, Issue 4, April 2018, pp. ISSN 2278-2540.
- Anup Ramesh Wadavi, Ashwin S, Chiranthan C.V, M Krishna Prasad, Ms. Sangeetha V, "Body Area Network (BAN) Based Security Card System: A Survey", *International Journal of Recent Engineering Research and Development (IJRERD)*, vol.3, Issue 04, April 2018, pp.63-68, ISSN:2445-8761.
- Bidhan Raj Thapa, Delna Manuel, Shailja Shekhar, Vinay Kumar S, Ms. Prathima B A, "Obstacle Avoiding Robot Using Arm Controller-A Survey", *International Journal of Latest Engineering and Management Research (IJLEMR)*, Volume 03, Issue 04, April 2018, pp. 68-75, ISSN: 2455-4847.
- Ritu P Simha, Praveen Prasanna G, Tejas D S, Pavan B V, Ms. Prathima B A, "Smart Tool Kit for the Visually Impaired - A Survey", *International Journal of Latest Engineering and Management Research (IJLEMR)*, Volume 03, Issue 04, April 2018, pp. 52-57, ISSN: 2455-4847
- Kranti Budigi, Dr. Surekha Borra, "Real-time Facial Recognition using Deep Learning and Local Binary Patterns", *Springer International Conference on Ethical Hacking (eHaCoN-2018)*, Institute of Engineering & Management, Kolkata, West Bengal, India, April 6th-7th, 2018.

ACHIEVEMENTS BY FACULTY

- Dr Sangappa S B, Assoc Prof, was invited as a chief guest for inauguration of "MITE ISTE" at MITE Campus Moodbidre on 11th May 2018.
- Dr Joy Prabhakaran, Prof, was invited as a LIC inspection committee member in a LIC inspection which was held at VNEC, Shorapur on 29th Nov 2018.

- Dr. Joy Prabhakaran, Prof, was invited as a LIC inspection committee member in a LIC inspection which was held at PDA, Gulbarga on 30th Nov 2018.
- Dr. P N Sudha, Prof and HOD, has been the reviewer at “International conference on Signal Processing, Image Processing, Communication and Automation” in 2018 held at JSS Academy of Technical Education, Bengaluru.
- Dr. B Surekha, Prof has been the guest editor at “Content protection and Management in E-Commerce: Approaches to Multimedia Security” in 2018 held at Journal of Global Information Management (JGIM), IGI Global, US.
- Dr. Surekha Borra, Prof, was invited as “Guest of Honor” and was awarded with “Distinguished Educator & Scholar Award” for Woman’s Day Celebrations, by National Foundation for Entrepreneurship Development (NFED) on 8th March 2018, Coimbatore, India.
- Dr. Surekha Borra, Prof, Chaired Third National Conference on “Electronics, Signals & Communication (NCESC-18)” on 17th May 2018 at GSSS Institute of Engineering and Technology for Women, Mysore.

BEST PAPERS



- “Connected Waste Management using Cloud Based IoT Solutions”, presented by Pramod K B, Prajna Shetty, Rakshith V, Royston D Souza, under the guidance of Ms. Vishalini Divakar, Asst Professor.
- “ATM System using BLE Technology” presented by Sneha G M, Sowmya B K, Yukesh R, Kishan Kumar Thunga R, under the guidance of Dr. Sangappa.S.B, Professor.

ACHIEVEMENTS BY STUDENTS

- Sadvika Chandra, Shwetha, Anusha A Murthy and Deepa R of 4th Sem has Participated in event Walk Against Drug Abuse at M Square on 25th of February 2018.
- Pavan P Kubair of 8th Sem has Participated in Hackadrome held on 9th of February 2018 at Hyderabad.
- Sai Pranav S of 4th Sem has secured second place in Building A Chat Bots with AI and ML held on 11th of April 2018 at KSIT Bengaluru.
- Ykesh R of 8th Sem has Participated in Hybrid Vehicle Challenge-HVC held on 19th August of 2017 at KL University, Guntur.
- Ykesh R of 8th Sem was selected as a IEEE SB Chairperson for IEEE KSIT STUDENT Branch during 2017 to 2018.
- Pragathi Madhyastha K P of 6th Sem became the winner of InnovacEEEa 2.0 held on 24th of March 2018 at by IEEE KSIT STUDENT Branch.
- Smitha S Karanth of 6th Sem became the winner of first Round of the event National Engineering Challenge held on 2018 at National Engineering College.
- “IEEE KSIT STUDENT BRANCH” has Awarded with Best Small Student Award in the event of IEEE Bengaluru Section held on 2018.
- Skanda H N of 7th semester has been awarded best ISTE student award in September 2018.

BEST PROJECTS



- “Intelligent Infant Monitoring Using Smart Cradle”, carried out by Harshitha S, Manisha Jayson, P Devika, Sanket S Hiremath, under the guidance of Ms. Lakshmi H R, Asst Professor.
- “Smart Water Management System for Even Distribution of Water with Leakage Detection & Correction”, carried out by Pragathi R, Raksha Ghosh, Shreyas R Y, Ullas S, under the guidance of Dr. P N Sudha, Professor and HOD.

STUDENTS ACHIEVEMENTS: SPORTS

- Sadvika Chandra R of 5th Sem, Monisha A and Pallavi S of 3rd Sem from ECE department are selected to Throw Ball Women Team and secured Runners up in the 2nd Bhavana Memorial Throw Ball Tournament held on 7th and 8th of September 2018 at GAT, Bengaluru.
- Ritu P Simha of 8th Sem ECE department has won the Pinkathon of 12.5KM organised by Ultra Marathon, Bengaluru.

100% RESULTS

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|---|---|
| Dr. Sangappa S B | Management and Entrepreneurship Development |
| Mr. Sunil Kumar G R | Verilog HDL |
| Mr. Praveen A | Information Theory & Coding |
| Dr. B Sudharshan | Operating System |
| Mr. Sampath Kumar S | Object Oriented Programming Using C++ |
| Dr. B Sudharshan | Verilog HDL |
| Dr. P N Sudha | Information Theory & Coding |
| Mr. Praveen A | Computer Communication Networks |
| Ms. Sahana Salagare | Optical Fiber Communication |
| Dr. Surekha B | DSP Algorithms and Architecture |
| Ms. Lakshmi H R | Applied Embedded Systems Design |
| Dr. Surekha B | Image Processing |
| Mr. Saleem S T | Network Security |
| Ms. Pragathi P, Ms. Lakshmi Dr. B Sudharshan | Digital Switching System |
| Dr. P N Sudha | Cellular Mobile Communication |
| Dr. B Sudharshan | Digital System Design Using Verilog |
| Ms. Aruna Rao B P | Microprocessors |
| Mr. Deekshith B N | Microelectronics Circuits |
| Dr. Benjamin Joseph A | Antennas and Propagation |
| Mr. Saleem S Tevaramani | Satellite Communication |
| Dr. Sangappa S B | Wireless Communication |
| Mr. Saleem S Tevaramani | Cellular Mobile Communication |
| Mr. Deekshith B N | GSM |



DEPARTMENT OF TELECOMMUNICATION

ABOUT THE DEPARTMENT



Success does not live in results, but in efforts. Being the best is not so important, doing the best is all that matters, likewise our Telecommunication Department provides our ambitious engineers with deep conceptual understanding of the subjects by experienced and knowledgeable faculty members who are proficient at bringing out the best in students.

The Department focuses on practical knowledge by providing well equipped laboratories. The department organises frequent industrial visits and technical talks from eminent resource persons. Students are motivated to participate in curricular, co-curricular, extra-curricular activities for their overall development, which resulted in securing 100% result in final year for the academic year 2017-18.

This has been achieved for three consecutive years and most of the faculty members have achieved 100% results in their respective subjects. Department organises various workshops for the staff and students and also emboldens them to publish papers at various conference, journals and symposiums.

I congratulate the entire team of TCE for the success.

Ms. Chanda V Reddy

DEPARTMENT WELCOMES

- Ms. Swetha B N, Assistant Professor
- Mr. Satish Kumar B, Assistant Professor

LATEST TECHNOLOGY



WPA3 is a Wi-Fi security standard that will replace the pre-existing standard WPA2. “WPA” stands for Wi-Fi Protected Access. The WPA3 standard adds four features not found in WPA2: Privacy on Public Wi-Fi Networks, Protection Against Brute-Force Attacks, An Easier Connection Process for Devices Without Displays, Higher Security for Government, Defense, and Industrial Applications. Manufacturers must fully implement these four features to market their devices as “Wi-Fi CERTIFIED™ WPA3™”.

WPA3 replaces Wi-Fi Protected Access 2, more commonly called WPA2, which was first introduced over a decade ago, in 2004. Security problems in WPA2 cropped up occasionally in that time, reminding us that unsecured Wi-Fi is bad news. To better secure Wi-Fi users, the new protocol will make it harder to run a common hacking attack on your personal wireless network. It's called an online dictionary-based attack, and it allows hackers to

make endless guesses as to what your Wi-Fi password is.

According to the Wi-Fi Alliance, devices supporting WPA3 will be released later in 2018. Qualcomm is already making chips for phones and tablets that support WPA3.

EVENTS CONDUCTED

- A workshop on “Embedded System with MSP430” was conducted by Jyoti Embedded Labs in association with IETE on 9th and 10th Feb 2018. The main objective of the workshop was to provide students exposure to the basic concepts and applications of MSP 430. The workshop motivated students to do projects around MSP 430 on their own.
- A technical talk on “Business trends in IoT” was presented by Mr. Bipin R R, CEO of iOrbit digital technologies, on 12th Feb 2018. The guest speaker gave an extensive introduction on “Internet of Things”. He discussed the history, trends and characteristics, frameworks, enabling technologies for IoT and its applications.
- A workshop on “INTRO Arduino” was conducted by Inversa Technosoft Pvt Ltd. in association with IETE on 15th and 16th Feb 2018. The students got an exposure to open source platform (hardware and software) and project planning and implementation of Arduino in future projects.





- A seminar on “Excellence in Action” was presented by Mr. Parth Sharma, Scientist and Project Manager at ISRO Satellite Centre, Bengaluru on 17th Feb 2018, Mr. Parthasarthy Patel was invited as a guest for the seminar. Mr Sharma spoke about the impact of success and failures on students’ life.



- A technical talk on “Introduction and Insights to Block Chain” was presented by Mr. Sandeep Solomon Kunder, on 19th Feb 2018. The speaker discussed the basic concepts of Blockchain and gave insight into how the technology is different from Bitcoin.



- A guest lecture on “Robots for Industrial Automation”, presented by Dr. Abhay Deshpande, Associate Professor, R. V. College of Engineering, was organized by Department of Telecommunication Engineering on 10th Oct 2018. The lecture was attended by 3rd and 5th semester students. The talk enlightened the students about different types of basic robots, robots that are been used in the industries presently. He also threw light on what kind of projects students can take up and work on.

- A technical talk on “Robotics and Artificial Intelligence” was presented by Dr. T C Manjunath, Professor and HOD, Dept. of ECE, Dayanand Sagar College of Engineering, Bengaluru, on 9th March 2018. He stressed on the current role of Robotics and Artificial Intelligence, particularly in the field of medicine. He also discussed about the future of robotics and roadblocks to robotics research.
- A talk on “Separating Wheat from the Chaff” was presented by Dr. B R Kalpana, a practicing Obstetrician and Gynaecologist, who is involved in the Heartfulness initiative called CME (Continued Medical Education). The guest of the day was Mr. Parthasarathi Patel, a certified trainer from the Heartfulness Institute. Dr. Kalpana addressed the 3rd and 5th semester students on 31st Oct and 3rd Nov, 2018. She spoke about the importance of leading a stress-free life; sorting the wanted from the unwanted and prioritizing things. The students were taught a few meditation techniques they could implement in their daily lives and further spoke about one’s physical as well as mental health.



- A workshop on “Embedded IOT” was conducted by Inversa Technosoft Pvt Ltd. in association with IETE. The main objective of the workshop was to provide a basic idea on Embedded IoT and encourage students to indulge themselves in the latest cutting edge technologies. There were 60 members from TCE, MECH, ECE and CS Departments who took part in the workshop conducted from 5th to 7th Oct 2018.



- A workshop on “Creating Chatbots using Artificial Intelligence” was conducted by Coax Studios in association with Telecom Engineers Forum (TEF). The workshop was an introduction to the disruptive technology of Artificial Intelligence and creating chatbots using platforms like api.ai and TensorFlow on 10th and 11th April 2018.

EVENTS ATTENDED BY FACULTY

- Mr. Sujay S N, attended a workshop on “New Model and Curriculum for First Year BE/B.Tech-CBCS Detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including Course Outcomes (CO) and Bloom’s Taxonomy” held on 14th May 2018 at M. S. Ramaiah Institute of Technology organized by VTU, Belagavi.
- Dr. Manju V C and Ms. Srividya R attended Faculty Development Programon “Computer Network Lab” from 23rd to 27th July 2018 at Don Bosco Institute of Technology, Bangalore.
- Ms. Chanda V Reddy, attended a conference “Indian Technology Congress (ITC)” held on 5th and 6th September 2018 at Nimhans Convention Centre, Bangalore.
- Ms. Chanda V Reddy, Dr. Manju V C, Mr. Senthil Babu attended an event “Bites Annual Convention 2018” on 23rd and 24th November 2018 at BITS College of Engineering, Bangalore.

EVENTS ATTENDED BY STUDENTS

- Mr. Shrihari and Mr. Srinidhi of 2nd year participated in “Tabala Tarang” programme conducted by SSGV at Dasarahalli in Feb 2018 and performed as “Tabala Accompany Artist” at Udupi in May 2018.
- Mr. Vadhi Raj R and Ms. Priyanka.S of 1st year participated in “Walk Against Drug Abuse” organized by Bengaluru City Police held on 25th Feb 2018 at Lalbhag, Bengaluru.
- Ms. Nisha Deepak, Mr. Vadhi Raj R and Ms. Priyanka.S of 1st year participated in “innovacEEEa 2.0” organized by IEEE KSIT and Dept. of ECE held on 24th Mar 2018.
- Ms. Gowtami V of 1st year participated in “Kalasurabhi 2018” organized by VTU Belagavi in association with Angadi Institute Of Technology And Management held from 11th-13th Apr 2018. Ms. Surabhi .B, Mr. Ganesh .B, Ms. Sahana .R and Ms. Gowthami .V of 2nd year participated in “VTU Youth Fest (JANANI - 2018)” organised by VTU Belagavi at Bheemana Khandre Institute of Technology, Bidar, Bhalki held from Nov 1st to Nov 3rd 2018.
- Ms. Surabhi B, Mr. Ganesh .B, Ms. Sahana .R and Ms. Gowthami .V of 2nd year participated in “VTU Youth Fest (JANANI - 2018)” organised by VTU Belagavi at Bheemana Khandre Institute of Technology, Bidar, Bhalki held from Nov 1st to Nov 3rd 2018.

PUBLICATIONS BY FACULTY

- Ms. Chanda V Reddy, “Relaxed Greedy-Based Approach for Enhancing of Resource Allocation for Future Cellular Network” Proceeding of 7th Computer Science Online Conference (CSOC) April 2018, Springer Series, Vol. 3, pp. 364-373.
- Ms. Rekha N, “Noise Detection and Elimination by using Analytical Approach” Proceedings of 7th Computer Science Online Conference (CSOC) April 2018, Springer Series, Vol. 1, pp. 37-45.
- Ms. Rekha N, “Novel Technique for Comprehensive Noise Identification and Cancellation in GSM Signal” International Journal of Electronics and Communication Engineering (IJECE) Vol. 8, No. 2, April 2018, pp. 1222-1229, ISSN: 2088-8708
- Ms. Srividya R, “Analysis of Impregnable MANET routing Protocols” International Journal of Research in Electronics and

Communication Engineering (IJECE) Vol. 6, Issue 1, March 2018, ISSN: 2348-2281.

- Ms. Srividya R, “Impregnable Fingerprinting Biometric - A Survey” International Journal of Computer Applications (IJCA) Vol. 1, Issue 8, Jan 2018, ISSN: 2250-1797.
- Ms. Srividya R, “Impregnable Biometric - A Survey” International Journal of Scientific and Research Publications(IJSRP) Vol. 8, Issue 2, Feb 2018, ISSN: 2250-3153.
- Mr. Sujay S N, “Secured Electronic Voting System using Biometrics” International Journal of Engineering Research and Technology (IJERT) Vol. 6, Issue 13, May 2018, ISSN: 2278-0181.
- Mr. Dileep J, “A Review on Person Identification Using Deep Neural Network” 3rd IEEE International Conference On Electronics, Communication, Computer Technologies and Optimization Techniques (ICECCOT) at GSSS Institute of Engineering and Technology for Women, Mysuru, December 2018.
- Ms. Devika B, “Fisheye State Protocol in Correlation with Power Consumption in Ad-hoc Networks” International Journal of Applied Engineering Research (IJAER) Vol. 13, No. 17, November 2018, pp. 13335-11339.

PUBLICATIONS BY STUDENTS

- Mr. Sachin Kashyap, Mr. Mohit S Gowda, Mr. Mohith .H .B, Mr. Sumanth K S, “Surveying and Calculation of a Given Area using a Quad-copter” International Journal on Future Revolution in Computer Science and Communication Engineering (IJFRCS) Vol. 4, Issue 6, June 2018, pp. 95-97, ISSN: 2454-4248, under the guidance of Dr. Manju .V .C.
- Mr. Vadhi Raj R, Ms. Priyanka S, Ms. Anusha H, “Construction of Indoor Positioning System using Trilateration and RFFI Fingerprints” International Journal of Management, Technology and Engineering (IJMTE) Vol. 8, Issue X, Oct 2018, pp. 688-696, ISSN: 2249-7455

ACHIEVEMENTS BY STUDENTS - SPORTS

- Mr. Karthik Narayan L of 6th semester, TCE Department participated in State Senior Aquatic Championship - 2017 organised by Karnataka Swimming Association held at Ramakrishna Hegde Swimming Pool (Dolphin Aquatics), Mathikere, Bangalore from 16th Aug to 18th Aug 2017. He represented Basavanagudi Aquatic Centre and secured 2nd place in Water Polo.
- Mr. Karthik Narayan L of 6th semester, TCE Department participated in Cobalt Skies '18 organised by Bangalore Medical College and Research Institute, Bangalore from 1st Oct to 6th Oct 2018.
 - Secured 2nd place in 4x50m Medley Relay - Men
 - Secured 2nd place in 4x50m Freestyle Relay - Men
 - Secured 3rd place in 4x50m Mixed Relay
 - Secured 3rd place in 50m Backstroke - Men
- Mr. Karthik Narayan L of 6th semester, TCE Department participated in Interzonal/Single Zonal Tournament 2018-19 organised by Visvesvaraya Technological University held at BMS College of Engineering, Bengaluru from 3rd Oct to 4th Oct 2018. He represented KSIT.
 - Secured the Runner-Up position in 50m Backstroke

- Secured 3rd place in 100m Backstroke
- Secured 3rd place in 200m Backstroke
- Ms. Shriyukta Ram, student of 1st year secured 2nd place in Fashion Show in “Pranathi 2k18” organized by Jyothi Institute of Technology, Bengaluru held on 24th March 2018.



100% RESULTS

| | |
|--------------------|---------------------------------------|
| Mr. Senthil Babu | Computer Communication Network |
| Ms. Devika B | Optical FiberCommunication |
| Ms. Suma Santhosh | WirelessCommunication |
| Dr. Manju V C | DSP Algorithms and Architecture |
| Ms. Yeshwini V | Image Processing |
| Ms. Srividya R | Embedded System Design |
| Mr. Dileep J | Management and Entrepreneurship |
| Mr. Sujay S N | Verilog HDL |
| Ms. Rekha N | Information Theory and Coding |
| Dr. Manju V C | Operating System |
| Ms. Srividya R | Object Oriented Programming using C++ |
| Ms. Rekha N | Digital Electronics |
| Ms. Chanda V Reddy | Linear Integrated Circuits |
| Mr. Senthil Babu K | Mr. Senthil Babu K |
| Ms. Srividya R | GSM |
| Mr. Sujay S N | Network Security |
| Ms. Chanda V Reddy | Fuzzy Logic |
| Ms. Devika B | Adhoc Wireless Network |

MAGAZINES



5G is set to be commercially deployed. Commercial testing from the USA, Canada, Asia and the middle east is running frequently. Telecom vendors and operators alike are excited about 5G deployment and expect it will bring their businesses up and running again.



This edition of IoT evolution highlights various methods/practices that can be undertaken by the end user/customer to implement IoT concepts in their day to day life. IoT is rapidly evolving and its usage is being found across all domains in today's world.

ABOUT THE DEPARTMENT



As aspiring engineers it is crucial for students to understand and better acquaint themselves with the ideas that build the world. The conceptual understanding of the various sciences that govern this world enables them to be better engineers and also provides them with the necessary groundwork to gain theoretical excellence along with a lot of technological advancements. Physics, Chemistry and Mathematics have been the fundamental pillars of scientific education for longer than perceived by man. The Department infrastructure fulfils and supports learning skills in all fields of science. The faculty have a complete understanding of all these core subjects to provide qualitative, industry tuned education to the students. The labs and research centres provide the perfect environment and equipment that aid the students in their journey to become successful and responsible engineers. The basic science Department successfully lays out building blocks for future advancements in the field of engineering.

Dr. K R Jayakumar

LATEST TECHNOLOGY



Biofuel experts have long sought a more economically-viable way to turn algae into biocrude oil to power vehicles, ships and even jets. University of Utah researchers believe they have found an answer. They have developed an unusually rapid method to deliver cost-effective algal biocrude in large quantities using a specially-designed jet mixer.

Packed inside the microorganisms growing in ponds, lakes and rivers are lipids, which are fatty acid molecules containing oil that can be extracted to power diesel engines. That makes organisms such as microalgae an attractive form of biomass, organic matter that can be used as a sustainable fuel source. These lipids are also found in a variety of other single-cell organisms such as yeasts used in cheese processing. Right now, in order to extract the oil-rich lipids from the algae, scientists have to pull the water from the algae first, leaving either a slurry or dry powder of the biomass. That is the most energy-intensive part of the process. That residue is then mixed with a solvent where the lipids are separated from the biomass. What's left is a precursor, the biocrude, used to produce algae-based biofuel. That fuel is then mixed with diesel fuel to power long-haul trucks, tractors and other large diesel-powered machinery. But because it requires so much energy to extract the water from the plants at the beginning of the process, turning algae into biofuel has thus far not been a practical, efficient or economical process.

PUBLICATIONS

INTERNATIONAL JOURNAL

- Dr. Ranjana Jain, Abhinav N Krishnamurthy, an elicitation on adhesive strength of Al_2O_3 and ZrO_2 composite coating applied on Al - 6061 and substrates. International journal of mechanical and production engineering research and development (LIMPERD) special issue June 2018. Page no. 91-98, (print): 2249-8001.
- Dr. Ranjana Jain, Abhinav N Krishnamurthy "Wear studies of $Al_2O_3+ZrO_2$ composite coatings for Tribological Application", International Journal of Engineering and Technology (UAE), (AAFR), volume 7, No 3,4 June 2018, page 73-79, ISSN: 2227-524X.
- Dr. Ranjana Jain, Abhinav N Krishnamurthy "Abrasive wear studies on special composite $Al_2O_3 + ZrO_2 - 5CaO$ for tribological applications", structural integrity procedia, science fiction, (else vier) June 2018, ISSN(online): 2452-3216, Aceptio manuscript, a press.
- Dr. K R Jayakumar and Dr A T Eshwara "Numerical solution of MHD boundary layer flow over exponentially stretching sheet with viscous dissipation" in ISTAM international conference held at dayanand Sagar university from 20th to 22nd of December.
- Mr. Venkataramana B S, Mr Naveen V, Ms Jailaja, Dr K R Jayakumar and Dr A T Eshwara "Influence of heat generation (absorption) on boundary layer flow due to an exponentially stretching sheet with an applied magnetic field" in ISTAM international conference held at dayanand Sagar university from 20th to 22nd of December.
- Mr. Naveen V, Mr Venkataramana B S, Ms Jailaja P, Dr K R Jayakumar and Dr A T. Eshwara "Effect of viscous dissipation on MHD boundary layer flow due to an exponentially stretching sheet" in ISTAM international conference held at dayanand Sagar university from 20th to 22nd of December.
- Ms. Shylaja K R "Synthesis characterization of nanocomposite polymers (TiO₂)" and its photocatalytic application in dye waste body treatment at RSRI conference on materials and

computational intelligence held at REST society for research international and Shree Rayashwar institute of engineering and information technology at the SRIEIT, Shiroda Goa on 28th and 29th September 2018.

INTERNATIONAL CONFERENCE

- Dr. Ranjana Jain, Abhinav N Krishnamurthy “ An elucidation on adhesive strength of Al₂O₃ and ZrO₂5CaO composite coating applied on Al-6061 and CI substrates”. Conference on emerging trends in mechanical sciences (ICEMS), malla Reddy college of engineering and technology, Hyderabad, Telangana 22nd and 23rd June 2018.
- Mr. Naveen V, Mr B S Venkataramana, Ms P Jalaja and Dr K R Jayakumar “ Effect of thermal radiation and natural convection boundary layer flow over a plate with suction (injection) and an applied magnetic field” in international conference on innovations and challenges in science and technology at dbit, Bangalore 24th to 26th may 2018.
- Mr. S R Kiran Kumar “Synthesis and characterization of hierarchically assembled ZnO nanoparticles and its applications in modified carbon paste electrode for electrochemical detection of biomolecules” and service ISSN 2214-7853 volume 5 issue to P1 (2018) materials today proceedings 5(2018) pages 20947-20954.
- Dr. Ranjana Jain, Abhinav N Krishnamurthy “ An elucidation on adhesive strength of Al₂O₃ and ZrO₂5CaO composite coating applied on Al-6061 and CI substrates”. Conference on emerging trends in mechanical sciences (ICEMS), malla Reddy college of engineering and technology, Hyderabad, Telangana 22nd and 23rd June 2018.
- Mr. S R Kiran Kumar, “Synthesis of Nano-composites and its application in modified carbon paste electrode for electrochemical detection of Biomolecules”, organised by REST Society for Research international and SRIEIT, Goa on 28th-29th September 2018.

NATIONAL CONFERENCE

- Mr Naveen V , Mr B S Venkataramana, Ms.P Jalaja and Dr KR jayakumar “Heat generated (absorption) effect on MHD natural convection boundary layer flow over a plate with suction and injection” International Conference on emerging trends in applied mathematics at SJBIT Bengaluru on 9th may 2018.
- Dr Ranjana Jain, Mr Abhinav N Krishnamurthy “Tribology of alumina plus calcia stabilized zirconia composite coatings” International Conference on topical transcend in mechanical technology (TTMT), at SJB Institute of T6echnology, Bengaluru on 9th may 2018.
- Dr Ranjana Jain, Mr Abhinav N Krishnamurthy “comparative corrosion studies on alumina plus calcia stabilized zirconia coatings applied to Al-6061 and CI substrates”, at the national conference on material science and application (MSA), at SJBIT Bengaluru 9th may 2018.
- Mr S R Kiran Kumar “ Highly efficient multi purpose graphene oxide embedded with nickel oxide as nanohybrid for electrochemical sensor applications” at the national conference on recent advances in chemical and material science (RACMS -2018) held on 3rd February 2018 at school of engineering and technology, Jain University Bengaluru.
- Mr S R Kiran Kumar “Synthesis and characterization of ZnO-NiO nanocomposites and its applications in modified carbon paste electrode for electrochemical detection of biomolecules at the national conference on recent advances in chemical biology and material sciences -(RAC BMS - 2018) on 9th and 10th of February 2018 at kuvempu university shankaraghatta

- Mr. S R Kiran Kumar “Synthesis and Characterization of highly efficient multipurpose graphene-oxide-copper oxide nanocomposites for the study of antimicrobial activity, Anticancer activity and voltammetric response of biomole.

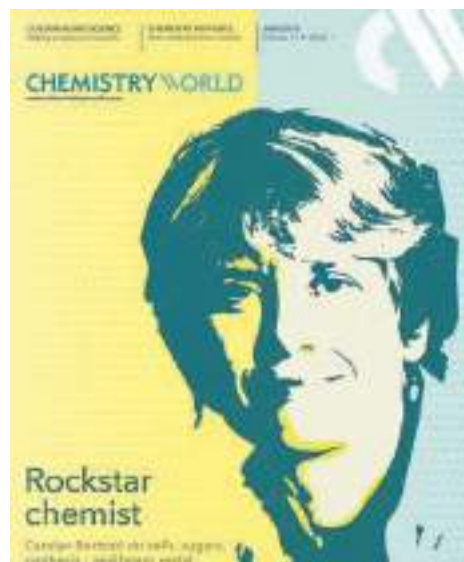
EVENTS ATTENDED

S.R Kiran Kumar, attended a Faculty Development Programme-Workshop on Student Induction during 21-23rd June 2018 at SVCE Bengaluru organised by AICTE.

100% RESULTS

| | |
|------------------------|--------------------------------------|
| Mr. Madhava Murthy | Basic Electronics |
| Ms. S Kokila | Programming in C and Data Structures |
| Ms. K R Shylaja | Engineering Chemistry |
| Mr. Murlidhara K S | Elements of Mechanical Engg |
| Mr. Praveen C Jois M N | Engineering Physics |
| Mr. Pruthviraj B S | Elements of Civil Engineering |
| Mr. Manjunatha B R | Elements of Mechanical Engg |

MAGAZINES



Chemistry World is a magazine for the global chemical science community. It provides a mix of articles, from essential news and research discoveries through to thought-provoking features and opinion columns. It reaches millions of chemical scientists around the world with stories published daily online and in monthly print and app issues. It features regular columns by Philip Ball, Derek Lowe, Andrea Sella, Raychelle Burks and Mark Peplow. The magazine is sent to all members of the Royal Society of Chemistry and is included in the cost of membership.



TRAINING & PLACEMENT

ABOUT THE DEPARTMENT



In this age of liberalization, privatization and globalization, there is an ever increasing industry requirement for professionals who have high employability index and required competencies with an inquisitive mind set for innovations. Bengaluru a front ranking Engineering institution imparting quality education, lays a high degree of thrust on training and competency building for the budding professionals who are going to embark on challenging careers in time to come in the field of technology and its management. Our collective and continuous commitment is to create vibrant and technology savvy environment where excellence is the credential. Over a period of few years, students engage themselves and learn use of cutting edge technologies and applications of productive innovations.

Partnerships with great companies enrich the KSIT Bengaluru experience for our students while strengthening commitment for great Industry, Institute Interaction. With a profound legacy of spanning over 20 years, KSIT is poised to make tremendous strides and cater to the corporate need of performance oriented and value driven professionals.

I extend my deep appreciation for the leading lights from the industries who have recognized the depth of our rich, diverse talent pool and accorded valuable opportunities. I congratulate the news letter committee to releasing another news letter.

Dr. Ranjana Jain

PROMINENT DRIVES WHERE STUDENT GOT PLACED



9.5 LPA



7.00 LPA



6.00 LPA



4.50 LPA



4.00 LPA



4.00 LPA



10.00 LPA

MINDTREE, V-TIGER, MPHASIS, NTTDATA, TAYANA SOFTWARE, Q-SPIDERS, COGNIZANT, TATA ELAXI, GO SPEEDY GO, CODILAR, CAPGEMINI, VEE TECHNOLOGIES, TAS, HCL TECHNOLOGIES, PINCLICK, PATHFRONT, ZOPPER, TOP RANKERS, GLOBAL SHIKSHA, WESTLINE SHIPPING, ALPHA 9 MARINE etc.

SEMINAR CONDUCTED FOR HIGHER EDUCATION

- 1) SEMINAR ON – GRE/GMAT International Studies for pre final year students from BYJU’S on 20th April 2018
- 2) SEMINAR ON – GRE & GMAT Test Preparation by Manya Education PVT Ltd (Princeton Review) – for 6th sem students on 19th May 2018.

PERSONALITY DEVELOPMENT TRAINING

KSIT LIFE SKILLS INSTITUTE: A INITIATIVE TO DEVELOP LIFESKILL FOR OUR STUDENTS.

KSIT has formed a forum “Life Skills @ KSIT” to enhance employability skills and students undergo training in Quantitative Aptitude, Logical Reasoning, Technical, Soft Skills & Verbal ability skills to have a 360 degree enhancement in LSRW [BEC standards]. Students of all semester have undergone for the training program from July 2017 to May 2018.



PERSONALITY DEVELOPMENT TRAINING PROGRAM @KSIT



Mphasis ON CAMPUS RECRUITMENT DRIVE @KSIT FOR 2018 BATCH



TAYANA SOFTWARE ON CAMPUS RECRUITMENT @KSIT FOR 2018 BATCH

PERSONALITY DEVELOPMENT TRAINING PROGRAM (LIFESKILL@KSIT)

ORGANISED BY PLACEMENT DIVISION ACADEMIC YEAR 2017-2018

| No | Name of Event | Year | Sem | Vendor | Venue | Training Program Schedule | | Branch |
|----|--|------|-----------------|---------------|-------|---------------------------------------|------------|--------|
| | | | | | | From | To | |
| 1. | Personality Development Program (LifeSkill) | 2018 | 2 nd | Seventh Sense | KSIT | 12/03/2018 | 16/03/2018 | All |
| 2. | Personality Development Program (LifeSkill) | 2018 | 4 th | Seventh Sense | KSIT | 12/03/2018 | 16/03/2018 | All |
| 3. | Personality Development Program (LifeSkill) & Technical Training | 2018 | 6 th | Seventh Sense | KSIT | 19/03/2018 | 23/03/2018 | All |
| 4. | Technical Training Program | 2018 | 6 th | Seventh Sense | KSIT | 24,26,27,28 March 2018 and 02/04/2018 | | All |



XCELARATOR Internship Program @ KSIT for 6th Sem Students 2019 on 4th May 2018



Internship Program @ KSIT for 6th Sem Students 2019 Batch



SAP LABS ON CAMPUS RECRUITMENT DRIVE HELD ON 13/07/2018 FOR 2019 BATCH STUDENT

INFOSYS ON CAMPUS RECRUITMENT DRIVE HELD ON 12/09/2018 FOR 2019 BATCH STUDENT



ABOUT THE DEPARTMENT



KSIT library as a resource centre for teaching, learning and research. Being the heart of the academic centre, it's home for all information services. It provides continuous access to knowledge and information in the library to the students and the faculty of the institute for achieving excellence in their chosen discipline. Library has spread over two floors with 200 seating capacity, state-of-art digital library, discussion room, Stack area, Reference section, circulation counter, OPAC search, journals/ magazines and newspapers sections are made available.

Dr. V Bharathi

| COLLECTIONS | |
|-----------------|-------|
| BOOKS | |
| Under- Graduate | |
| Volumes | 34860 |
| Titles | 4870 |
| Post- Graduate | |
| Volumes | 584 |
| Titles | 172 |





INDUSTRIAL VISITS



K S institute of technology had organised an industrial visit on 5th may 2018 to the aerospace museum, HAL, Bengaluru to students of 2nd semester BE.



ICAT is a media and design college, which provides courses like Game Design & Development for Mobile, Console, PC & Internet Platforms. UI (User Interface)/ UX (User Experience)/ App Development, Computer Graphics & Animation. The institution is in different parts of the country. Animation these days have created job opportunities for many youths. Thus the visit was an opportunity for the final years as a career alternative after their graduation. A total of 70 students from 7th Semester CSE were participated for the event. The industrial visit was accompanied by Mr. Aditya Pai H – industrial visit coordinator - CSE.



The department of Electronics and Communication Engineering, KSIT organized one day industrial visit to NAL-CSIR (National Aerospace Laboratories-Council of Scientific and Industrial Visit) Wind Tunnel Centre located at Old Airport road, Kodihalli, Bengaluru on 26th of September, 2018 for 3rd semester students of Electronics and Communication Engineering students.

The visit was organized with the prior permission and guidance of our Principal T V GOVINDARAJU and HOD Dr. P N SUDHA along with the staff members. Dr. SUDARSHAN B had taken hard efforts to make this visit a grand success.

Prof. Pragathi and Prof. Sampath Kumar teaching faculty of ECE department accompanied us for the industrial visit. The main objective of our visit to NAL-CSIR was to increase our knowledge on the applications of our field of study – Electronics and Communication Engineering. As a future engineer and an Indian it is important to understand the effort and also the technology behind this success and follow the same.



The Department of Telecommunication Engineering organised one day Industrial Visit to Indian Space Research Organisation (ISRO), Bengaluru on 30th October 2018 for 2nd and 3rd year students along with faculty members: Asst. Prof. Dileep .J, Asst. Prof. Satish Kumar .B, Asst. Prof. Swetha .B .N. The main objective behind the visit was to make students aware about how various activities related to satellite is carried out in ISRO and give them knowledge about the working of it. Mr. Srinivasa B L, Senior Scientist, ISRO, welcomed the gathering and guided the students with initial demo videos of basic need of satellite, its invention, different kinds with the evolutionary background, satellite preparation, and rocket launch satellite, its invention, different kinds with the evolutionary background, satellite preparation, and rocket launch. For the benefit of students there is a space exhibition center at ISAC.



SPORTS

**SPORTS DO NOT BUILD CHARACTER,
THEY REVEAL IT**
-Heywood Brown

The Department of Physical Education & Sports organized the Annual Sports Day- 2017-18 on 10th March 2018 at UCPE Stadium, Bengaluru University. It was inaugurated by Miss Aiswarya Kumar – International Throw Ball Player and the Guest of Honor for the day was Sri Satish Kumar S, National Taekwondo & Karate player. The respected management Honourable President Sri Y Ramachandra Naidu, Honourable Secretary Sri K Venkatesh Naidu, Honourable Treasurer Sri D Rukmanagada, Honourable Principal & Director Dr T V Govindaraju & all the department Heads, Staff & students were present on the occasion. Various sports activities were conducted & all the students & staff actively participated in the events.



Sports achievers for the year 2017-18



Team championship winners (ME)



Individual Championship winner Sharath (ME)



Individual Championship winner Sadvika Chandra (ECE)



NATIONAL SERVICE SCHEME

WALKATHON TO SAY NO TO DRUGS

A small step towards tackling the above issue we NSS KSIT supported team Aarohan to organize a walkathon for all the college students along with our police to create awareness. Our Bangalore city police along with the entire team supported all the participants to say NO TO DRUGS.

Bengaluru city Deputy Commissioner of Police Dr. Sharanappa inaugurated the event along with M Square Networks in charge Mr. Vinay, Ms. Manisha Bhat and students.

Over 2000 individuals participated in this event and made grand success.

Venue: Lalbagh, Double Road Entrance Gate, Bengaluru.

Date : 25th Feb 2018

Time : 7:00 AM to 9:00 AM

Content : 3 Km & 5 Km walk which will be flagged off by senior Police Officers, Cultural program by college students to drive students against drug usage.



INTERNATIONAL WORLD WOMEN'S DAY

NSS cell of KSIT and IEEE JOINTIY organized International world women's day on 8/03/2018. On that occasion we are felicitating a social worker Smt. Kavitha Rao, founder of Darideepa Oldage home at Ramanagara District of Karnataka.



BLOOD DONATION CAMP

NSS CELL OF KSIT ORGANISED BLOOD DONATION CAMP ON 14/03/2018 IN ASSOCIATION WITH LIONS CLUB, BANGALORE Around 378 units of Blood is collected in the camp.

ರಕ್ತದಾನ ಶಿಬಿರ



ಕೆ.ಎಸ್. ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿಯ ಎನ್‌ಎಸ್‌ಎಸ್ ಘಟಕವು ಅಯನ್ಸ್ ಕ್ಲಬ್ ಆಫ್ ಬೆಂಗಳೂರು ಸಮಿತಿ ಸಹಯೋಗದೊಂದಿಗೆ ಏರ್ಪಡಿಸಿದ್ದ ರಕ್ತದಾನ ಶಿಬಿರವನ್ನು ವೈ. ರಾಮಚಂದ್ರ ನಾಯ್ಡು ಉದ್ಘಾಟಿಸಿದರು.

ಬೆಂಗಳೂರು: ಕೆ.ಎಸ್. ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಫಾರ್ ಟೆಕ್ನಾಲಜಿಯ ರಕ್ತದಾನ ಮೊದಲು, ಆಫ್ ಟೆಕ್ನಾಲಜಿಯ ಎನ್‌ಎಸ್‌ಎಸ್ 400ಕ್ಕೂ ಹೆಚ್ಚು ಯೂನಿಟ್ ರಕ್ತ ಘಟಕವು ಅಯನ್ಸ್ ಕ್ಲಬ್ ಆಫ್ ಬೆಂಗಳೂರು ಸಮಿತಿ ಸಹಯೋಗದೊಂದಿಗೆ ಅಯನ್ಸ್ ಕ್ಲಬ್ ಆಫ್ ಬೆಂಗಳೂರು ನಗರದಲ್ಲಿ ರಕ್ತದಾನ ಶಿಬಿರ ಏರ್ಪಡಿಸಿತ್ತು. ಸಮಿತಿಗೆ ಅಧ್ಯಕ್ಷ ಸುರೇಶ್ ನಾಯ್ಡು ಸಮಿತಿ ಸಂಘದ ಅಧ್ಯಕ್ಷ ವೈ. ರಾಮಚಂದ್ರ ನಾಯ್ಡು ಮತ್ತು ಕೆ.ಎಸ್. ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ನಾಯ್ಡು ತಿಳಿಸಿದರು. ಈ ವೇಳೆ ಸೂರಾಬಿ ಪಿ.ಬಿ. ಪ್ರಕಾಶ್ ಕುಮಾರ್ ಎಡ್ವರ್ಡ್ಸ್ ಉಪಸ್ಥಿತರಿದ್ದರು.

WORLD ENVIRONMENT DAY

NSS CELL OF KSIT in association with Karnataka Forest Department organized World environment day at Thurahalli forest on 05/06/2018 and planted seed balls in that area.



INAUGURATION

Dreams big and glint in the eyes of the newly admitted student marked the inauguration and orientation of for First semester B.E classes of the Kammavari Sangham Institute of Technology which was held on **11th August** in the college premises.

The function began with the customary prayer and lightning of the lamp by the Chief guest **Mr. Vijay Bhaskar**, IAS Chief secretary, Government of Karnataka. The principal Dr. T V Govindaraju welcomed the gathering of fresh students with a tagline **“Be the job creators and not job seekers”** and said KSIT provides all necessary aid for being such job creators. He also insisted that the parents must be supportive for the betterment of their children and also students must know their responsibilities. The Chief guest of the day, Mr. Vijay Bhaskar delivered an inspirational speech by taking example of his own childhood and student days. He advised that students must develop good attitude know their values of life and understand failures are stepping stones to success.

“Getting inspiration from others is not at all a matter but inspiring others show once caliber”.



ALUMNI MEET

Alumini meet is a gathering of past out students of an institution and a place where the institution feels proud on seeing its successful Alumini's. During their meet the Alumini committee shares their experience from outside world after stepping out of the institution. Kammavari Sangham Institute of Technology hosted its 4th Alumini meet on 4th November 2018. In its campus. The event was a great success as the alumini's from across different cities came together and participated with full enthusiasm. The whole event was beautifully planned which started with interaction session followed by the cultural program. The event came to an end with sumptuous lunch. All the Alumini's had a great time and appreciated the efforts of the organizers and promised to return next year.





ANANYA

There was a soul to it, a soul that was vibrant and exuberant. A mosaic of culture and ethnicity blended into a feast to the eyes and ears - Ananya 2018, the annual cultural fest of KSIT was held on **23rd April 2018**. The week-long cultural fest culminated on **28th April 2018**. The D-day was inaugurated by Mr. Rajendra Karanth, Mr. Manoj G, Mr. Vinay and Ms. Amulya Jagadish. For Ananya, a forum to nurture the talents and bring out student's hidden talents, the theme aptly chosen was **"105 Glorious Years of Indian Cinema"**. Gaming, dumb charades, light music, ethnic wear, rangoli, face painting and as always, the best was saved for the last. The college fashion team sashaying down the ramp, not to forget the inter-department performance which hyped up the quotient of the fest. The personification of the glorious years of Indian Cinema was a phenomenal success. The constant support of the management was instrumental in bringing this fest to life. All in all, Ananya 2K18 was a huge success and had a lasting imprint in the minds of the students.





MECHANICAL



Ankush A Telkar (90.7%)
1KS14ME013 (8th Sem)



Adithya Pai U (88.3%)
1KS14ME004 (8th Sem)



Bharath U (8.65 SGPA)
1KS1ME016(6th Sem)



Nelapatla Parasan (8.4 SGPA)
1KS15ME049 (6th Sem)



Shaik Moinuddin (8.85 SGPA)
1KS16ME075 (4th Sem)



Sreekara K B (8.41 SGPA)
1KS1ME085 (4th Sem)



Chethan N (9.08 SGPA)
1KS17ME016(2nd Sem)



Shashankh M G (9.00 SGPA)
1KS17ME074 (2nd Sem)

COMPUTER SCIENCE



Chaitra R (83.44%)
1KS14CS029 (8th Sem)



Manasa Narayan (83.22%)
1KS14CS105 (8th Sem)



Apoorva V (88.12%)
1KS15CS010 (6th Sem)



Narasimha Prasanna.H. N
1KS15CS062 (6th Sem)



Nagalekha Ramesh (85.88%)
1KS16CS049 (4th Sem)



Akhila N (85.75%)
1KS15CS004 (6th Sem)



Spoorthi R (9.83 SGPA)
1KS17CS081(2nd Sem)



Swati Pai (9.50 SGPA)
1KS17CS089(2nd Sem)

ELECTONICS AND COMMUNICATION



Chethana N Gowda (83.44%)
1KS14EC027 (7th Sem)



Joshna J G (79.00%)
1KS14EC041 (7th Sem)



Swathi K S (9.08 SGPA)
1KS15EC101 (5th Sem)



Pragathi Madhyastha (9.00 SGPA)
1KS15EC067 (5th Sem)



Pratyusha S A (9.07 SGPA)
1KS16EC064 (3rd Sem)



Bhoomika P M (9.00 SGPA)
1KS16EC017 (3rd Sem)



Rachana (10.00 SGPA)
1KS17EC064 (1st Sem)



Sirisha (9.67 SGPA)
1KS17EC050 (1st Sem)

TELECOMMUNICATION



Meghana M (81.77%)
1KS14TE023 (8th Sem)



Manjunath D Hegde (80.55%)
1KS14TE022 (8th Sem)



Akhila J (8.88 SGPA)
1KS15TE003 (6th Sem)



Chaitra B V (8.62 SGPA)
1KS15TE011 (6th Sem)



Haripriya G B (8.43 SGPA)
1KS16TE013 (4th Sem)



L Himanth Sasthri (8.14 SGPA)
1KS16TE019 (4th Sem)



Shriyuktha Ram (9.17 SGPA)
1KS17TE040 (2nd Sem)



Mohan Prasanna B (9.50 SGPA)
1KS17TE004 (2nd Sem)

UPCOMING EVENTS

GRADUATION PROGRAM

SPORTS DAY

ANANYA 2K19

INAUGURATION DAY

VANQUISH 2K19

EMANATION 2K19

ENGINEERS DAY CELEBRATION

NSS CAMP

TEACHERS DAY CELEBRATION

EQUINOX

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