CHINTHANA MANTHANA

THINK BEYOND IMAGINATION...

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JAN - DEC 2019	VOL 11 - 12

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VISION

"To impart quality technical education with ethical values, employable skills and research to achieve excellence"

MISSION

• To attract and retain highly qualified, experienced & committed faculty.
• To create relevant infrastructure.
• Network with industry & premier institutions to encourage emergence of   new ideas by providing research & development facilities to strive for academic excellence.
• To inculcate the professional & ethical values among young students with employable skills & knowledge acquired to transform the society.

EDITORIAL TEAM

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

Faculty Co-ordinators: Mr. Naresh K (ME), Ms. Swathi K (CSE)

Ms.Anuradha M V (BS & H), Ms. Sahana Salagare (ECE), Ms. Rekha N (TCE)

Sri Y Ramachandra Naidu
President

Sri K Venkatesh Naidu
Secretary

Sri D Rukmangada
Treasurer

We are proud of our accomplishments for the academic year 2019-20. It is a pleasure to note the glorious pride of our institution. The joy and experience shared on our campus ensures the growth and overall development of all the students. All of us are equally delighted to witness the happening of significant events and tremendous achievements. We appreciate everyone for working together as a team. Continue the good work. We wish you all the best for achieving greater success in education and career. Congratulations to the newsletter team for having successfully bringing out the 11th and 12th edition of **CHINTANA MANTHANA**.

I am delighted to note that the 11th and 12th edition of **CHINTANA MANTANA** is being brought out by the wonderful editorial team of KSIT. Through their dedicated and relentless efforts they are showcasing all the activities that occurred during the previous academic year within the portals of KSIT and elsewhere. This institution has made a lot of progress, during the previous year, in all its facets, with the strong support of Management and guidance of the Academic Advisory Board. There has been a tremendous effort in developing staff and students in curricular and co-curricular activities to bring in an overall progress of the institution.I congratulate the staff and students and wish them to aim higher and achieve a lot more. I also congratulate editorial team for their wonderful presentation of facts and figures in this edition of the news letter.

Dr. K V A Balaji
CEO

I think it is time that we reflect on the events of this academic year. I hope this year has been a fruitful one and wish you luck for future endeavours. Education is primarily an exploration into the unknown avenues of intellectual, cultural, artistic and even spiritual talents of the students. This edition of the newsletter highlights all the academic and non-academic events conducted/attended in the college. The commemoration and celebrations are an important aspect of our educational life; there are articles which show case on how we strive to develop various skills in our students and also their involvement in community services.I would also like to encourage and wish my staff to continue their excellent work and wish the students to give their best.
Good luck!

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. LOKANADHA 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

ABOUT THE DEPARTMENT

It gives me an immense pleasure to portray the mechanical department, which is working since 1999 for the benefit of the society and students. Mechanical engineering is one of the eminent discipline that combines engineering physics and mathematic principles with material science to design, analyze, manufacture, and maintain mechanical systems. It is the branch of engineering that involves the design, production, and operation of machinery. The staff have a complete perspective of these core subjects and help the student community in achieving the excellence in the field of Mechanical engineering. The laboratories and research center provide effective environment that aid the students in their expedition to become flourishing and responsible engineers. The faculty members are actively involved in the Research and Development and have published technical papers in International & National Journals and conferences. The department encourages the students' in academic, co-curricular activities and motivate them to participate in various competitions organized both inside and outside the institution. Also students are keenly involved in the various club activities that are conducted under SAE BAJA and GoKart.The Department co-ordinators and staff are assigned responsibilities to plan and execute the seminars, technical talks and industrial visits regularly to benefit the students . The teaching staff are also working towards guiding the students to take-up the value added project works and some of our UG projects guided by Dr. K Rama Narasimha, Mr. K Prasad, and myself was sanctioned under stream C by KSCST. The students of the Department are actively involved in NSS activities. With all these activities, the Department is moving forward with a positive attitude to strive towards the success of students.Finally, I would like to thanks our sincere management and their abundant support for the effective functioning of the mechanical department to achieve excellence.

Prof. M Umashankar

DEPARTMENT WELCOMES

- Mr. Ganesh A Bhargav, Assistant Professor
- Mrs. Tejaswini M L , Assistant Professor
- Mr. Amruth K, Assistant Professor

LATEST TECHNOLOGY

AIR BRAKING SYSTEM

Air braking system is one of the high power braking system. It is commonly used on heavy vehicles like trucks, buses, etc. There are only two types of braking system.
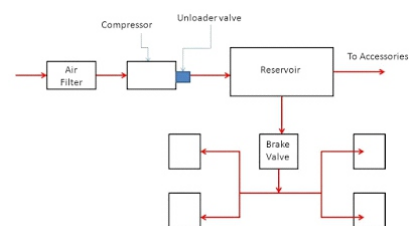
The first one is known as disk brake and other one is drum brake. These brakes are operated by human manually or by any other power source. According to the power source these brakes can be classified into other types like hydraulic brake, air brake, vacuum brake etc.

When driving a heavy load vehicle, it is impossible for human to generate the braking force. So an another power system is used to generate braking force which force the braking pads and generate a friction force between brakes and tires which tends to stop the vehicle.

Air brake system uses air to generate this force. This type of braking is similar to the hydraulic brakes except these brakes uses compressed air to apply brakes instead of hydraulic pressure. This is basic concept of any power brake system. Now we discussed how this system uses air to generate braking force.

Principle of Air brake system:

Air brake can be better understood by the layout diagram as shown in figure. This system mainly consists of a compressor, air filter, reservoir, valves and brake pads. The compressor takes air from the atmosphere through a filter and compresses it. This compressed air sent to a reservoir through the unloader valve, which gets lifted or opened at a predetermined reservoir pressure. This air supply to brake chambers which is also called the diaphragm units situated at each wheel, through the brake valve.

Layout of Air Brake System

The brake valve is controlled by the driver who can control the intensity of braking according to the requirement. When the driver pushes the brake lever, pressure in the reservoir decreases which pushes the brakes pad toward tyres and apply brakes.

Advantage of air brake:

1. Air brake system are much more powerful than the ordinary mechanical or hydraulic brakes and that is the reason they are exclusively used in heavy vehicles.

2. They are easy to install on chassis because it is interconnected by pipes.

The compressor air can also use for tyre inflation, windscreen wipers, horns and many other accessories.

EVENTS CONDUCTED

- A Faculty Devolopment Program was conducted on "MATLAB and LATEX" and also "Outcome based education" which was conducted between 17th to 19th July 2019.

- The student chapter of **"The Institute of Indian Foundrymen"** was inaugurated on 19th September 2019 by Dr. R Ranganath Chairman, The Institute of Indian Foundrymen.

- EMANATION 2K19 was conducted on 27th September 2019. The chief guest was Mr. Mahesh N ,Alumini of KSIT and all the toppers of the mechanical department were honored.

- A technical talk on "Innovation, Motivation & Entrepreneurship in Foundry Industries" on 18th October 2019 by Dr. K Shamsundar (Founder & Chairman, M/s S.S Group of Industries).

EVENTS ATTENDED

- Mrs. N Sreesudha attended the International Conference on Emerging Trend in Engg. Innovative Science Management on "Evaluation of Tensile and Hardness Characteristics of Al 2024 alloy Bared MMCS" at EWIT Bengaluru on 18th May 2019.

- Mr. Manjunath B R attended the International Conference on Emerging Trend in Engg. Innovative Science Management on "Performance analysis of constant & Taper Blade for steam turbine by using CFD" at EWIT Bengaluru on 18th May 2019.

- Mr. Manjunath B R attended the International Conference On Topical Transcends In Science, Technology & Management (ICTTSTM 2018) based on "Comparative study of AL-2% Si alloys the addition of y203 for different process parameters using friction stir welding techniques" which was held during 17thto 18th August 2018 at SVIT, Bengaluru.

- Mr. Madhu G attended National Conference on "Review of HVOF Thermal Spray Coatings" on 12th Dec 2018 at JSSATE, Bengaluru.

- Mr. Manjunath K V attended a National Conference on Emerging Trends in Engineering and Management on "A Review on Natural Fiber Reinforced Polymer Composites", on 12th December 2018 at JSSATE, Bengaluru.

- Mr. Murulidhar K S attended 4th International Conference on Science agriculture for Society on "Comparative study on Co-digestion of kitchen waste and chicken litter under thermophilic conditions", which was held between 13th to 15th May 2019 at EWIT, Bengaluru.

- Mr. Murulidhar K S attended 1st International Conference on Emerging Trend in Engg. Innovative Science Management on "Performance analysis of constant & Taper Blade for steam turbine by using CFD", on 18th May 2019 at EWIT, Bengaluru.

- Mr. Ranganath N attended National Conference on "Recent Advances in Engineering & Management , Performance Improvement on biopolymer Nano composites" on May 2019.

PUBLICATIONS BY FACULTY

- Mr.Nagprasad.K.S, Associate Prof. published a paper titled "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 which was held at Chennai, India.

- Mr.Nagprasad.K.S, Associate Prof. published a paper titled "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, Associate Prof. published a paper titled "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, Assistant Prof., published a paper titled "Construction of indoor positioning system using trilateration and Rtti fingerpoint", in the journal IJMTE, ISBN 978-93-87793-49-1, Vol-8 issue X October 2018.

- Mr Murlidhar.K.S, Assistant Prof., published a paper titled "Emission control and fuel efficient by using android based self - regulating biomass stove" In the journal IJMTE, ISBN 978-93-87793-49-1,Vol-8 issue X October 2018.

- Mr Murlidhar.K.S, Assistant Prof., published a paper titled "Study on desalination and controlling heavy metal ion pollution using M-Graphene oxide", In the journal IJMTE, ISBN 978-93-87793-49-1,Vol-8 issue X October 2018.

- Dr. Ajaykumar B S, Assoc. Prof, published a paper titled "Effect of Deep cryotreatment on Hardness and Tensile strengths of Al 6061 - SiC Composites" in International Journal of applied Engineering Research Research India Publication, ISSN 0973-4562, Vol 14, PP335-3339 on 15th November 2018.

- Dr. Ajaykumar B S, Assoc. Prof, published a paper titled "Effect on Mechanical and structural profelies of Rolled Aluminium alloy 6082 by using friction stirprocesing with silicon carbide as parpiculate matter" in International Journal of applied Engineering Research Research India Publication, ISSN 0973-4562, Vol 14 PP 3301-3303 on 15th November 2018.

- Mr Ranganath N, Assistant Prof. , published a paper titled "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, Assistant Prof. published an e-paper titled "Characterization of mechanical and thermal properties of biopolymer nanocomposites", in the journal IJERT ,ISSN:2278-0181,Vol 7,Issue 12, December-2018.

- Mr. Manjunath K V, Assistant Prof., published a paper titled "Comparative study on mechanical propection of Hybrid composites using Hemp & E-Glass by Hand layup & Vaccum Bagging Technique", in the International Journal of Enginering & Science Research,ISSN 2320 9763, 18th May 2019.

- Mrs. N Sreesudha, Assistant Prof.,published a paper titled "Evaluation of Tensile and Hardness Characteristice of Al 2024 alloy Bared MMCS", in ICETEISM- 2019 International Journal of Engineering & Science Research (IJESR), on 18th May 2019.

- Dr. Girish T R, Assoc. Prof, published titled "Effect of Deep cyzotriatment on Hardness and Tensile strengths of Al 6061 - SiC Composites ", in the journal of IJAER , ISSN: 0973-4562 Vol- 14 on August 2019.

CLUB UPDATES

Prodigy Racers is a Motor Sport Team of KSIT founded in 2015, each year the team has been participating in different National level competitions. Where the students design CAD models of the vehicle and carry out stress analysis using the softwares like DS SOLIDWORKS and fabricate the vehicle from the scratch. After fabrication the vehicle undergoes testing to build the race ready vehicles.

Indian Karting Championship 3rd edition

From 14th to 17th February 2019 held at Mohite's Racing Academy, Kolhapur Maharashtra organized by Nexus Motorsport. It is an intercollegiate engineering design

competition which involves Static and Dynamic stages. The teams must clear Virtual round and technical inspection before the dynamic events like Brake test, Acceleration test, Skid pad, Atuocross, Time trial and finally Endurance race.

ACHIEVEMENTS:

Time Trial: 8th All India ranking
Design Evaluation: 1st in Karnataka
Endurance: 13th All India Ranking
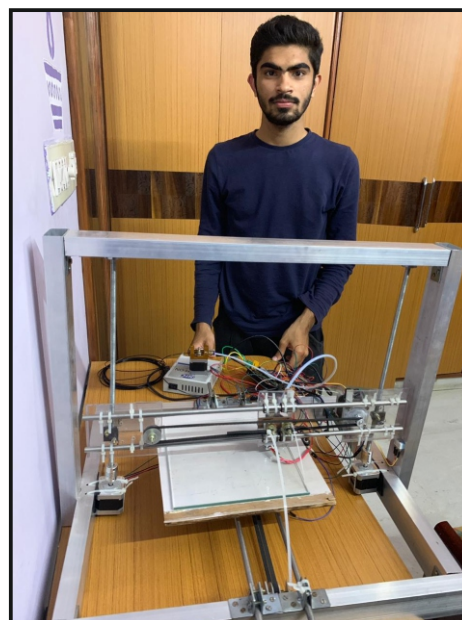Overall: 7th All India Ranking

Team Redline Racing is consistently participating in the event BAJA SAEINDIA organized by Mahindra in association with SAEINDIA for the past 5 years. This time the team is participating in a National level Mega ATV championship organized by "Autocar india". The team consists of 25 students from the mechanical department from all 4 years who design and build the ATV from scratch. The ATV is put through various tracks to test its braking force, suspension actuation and maneuvering ability which will qualify it to the endurance race of 4 hours to test its durability. Around 400 teams register every year out of which only around 70 teams make it to the race clearing all the tests. The team has secured 6th position in acceleration, 8th pole position, 15th overall in All india rankings and 1st in design evaluation in Karnataka rankings of SAEINDIA BAJA ROPAR 2019.

ACHIEVEMENTS BY STUDENTS

● **BUILD YOUR OWN 3-D PRINTER ! YOU CAN DO IT !**

Mr.Rajath N R of 5th Sem Mechanical dept. has done a project on 3-D printing. 3D printing or additive manufacturing is a process of making three dimensional solid objects from a digital file and additive processes. In an additive process an object is created by laying down successive layers of material(PLA) until the object is created. Each of these layers can be seen as a thinly sliced horizontal cross-section of the eventual object. 3-D printing enables you to produce complex shapes using less material than traditional manufacturing methods The material used is PLA. Polylactic Acid (PLA) is different than most thermoplastic polymers which are derived from renewable resources like corn starch or sugar cane. Most plastics, by contrast, are derived from the distillation and polymerization of nonrenewable petroleum reserves. Plastics that are derived from biomass (e.g. PLA) are known as "bioplastics." **"IT CAN BE RECYCLED" "ECO-FRIENDLY PRINTING"**.

● The project "Automated Pesticide Sprayer for Agricultural farmlands" done by students of mechanical engineering with the guidance of Mr. Anil Kumar A and lead by Praveen Kumar got selected for the all India level competition IICDC (India Innovation Challenge and Design Contest) which was organized by Department of Science and technology, India and sponsored by Texas Instruments. And became one of the finalists which totally comprised of 20 teams. At the beginning of the competition there were a total of 10035 teams which got reduced to top 20 by different rounds conducted by the IICDC panel. The project was mainly based on solar energy and chain drive mechanism for its motion and controlled by microcontroller MSP430G2ET. At last we were able to secure the GOLD certificate from IICDC after so much hardwork and team work . It almost took a year to complete the event which comprised of many rounds such as online tests and MOOC , video submissions, project proposal submission,etc. The team members were: Akash K L, Chethan N, Darshan Gowda S, Parikshith K Kashyap , Praveen Kumar[TL].

- The Second and Third Year students of Mechanical Engineering completed a training program with hands on experience in **"Industrial Automation and Advanced Manufacturing"** from 23-01-2019 to 05-02-2019 at **Bosch Vocational Training Center, Bengaluru**.

- Mr. Prajwal Krishna 7th Sem Mechanical representd VTU cricket team in south zone inter-university Cricket tournament held at VTU Belagavi from 14th January 2019 to 23rd January 2019.

- The Second and Third Year students of Mechanical Engineering completed a workshop on **"Robotics with RASPBERRY PI3 using Python"** .

- The Third Year students of Mechanical Engineering attended a **International Seminar on 75 Students Satellites Mission 2022** conducted by Indian Technology Congress on 4th and 5th September 2019.

- Mr. Vinay V P of 7th Sem Mechanical was selected for Indian Youth Delegation to Kyrgyzstan from 07th to 14th September

- The Second and Third Year students of Mechanical Engineering completed a 3 day workshop on **HVAC designing** conducted by Prinston Smart Engineer.

- The Third Year students of Mechanical Engineering completed a workshop on **"Electric Motorcycle Devolopment"** organized by Wulkin Motorcycles from 31st October to 3rd November 2019 .

DEPARTMENT NEWSLETTER

The 8th volume of the department newsletter, was lunched by Mr. Mahesh N, Assistant manager, TOYOTA Industries Engine India Pvt. Ltd., Dr. T V Govindaraju, Principal, KSIT, Dr. KVA Balaji, CEO, KSIT, Prof. M Umashankar Head of Department Mechanical, KSIT. This edition contains the technical discussion on the Electromagnetic Bombing. In order to make students to get exposure of domain challenges the newsletter covered the content of interview with Ms. Jahnavi B V who is alumni of KSIT. The contents presented the achievements of students and details of publications by faculty. It contains the information about Massive Open Online Course and also about the competitive exams taken after engineering to guide the students. On a nut shell the newsletter predeceases the prominent information of institution and its activities and other useful information.

100% RESULTS

Mr. Anil Kumar A	Kinematics of Machines.
Mr. Manjunath B R	Mech measurements and Metrology.
Mr. Mallikarjuna M R	Metal Forming.
Mr. Gautham S	Industrial safety.
Mrs. Sreesudha N	Total Quality Management.
Mr. Naresha K	Industrial safety.
Mr. Manjunath K V	Additive Manufacturing.
Mr. Nagabhushan M	Product Life Cycle Management.
Mrs. Nirmala L	Additive Manufacturing.
Mr. Gautham S	Product Life Cycle Management.
Dr. Ajay Kumar B S	Metal Casting and Welding.
Mr. Girish T R	Theory of Elasticity.
Mr. Bharath Kumar K R	Non Traditional Machining.
Mr. Naresha K	Non Traditional Machining.
Mr. Murlidhar K S	Energy and Environment.
Dr. K V A Balaji	Project Management.
Mr. Parashurashuram A K	Energy Engineering.
Mr. Umashankar M	Control Engineering.
Mr. Ranganath N	Fluid Power Systems.
Mr. Harish U	Mechatronics.
Mr. K Prasad	Energy Engineering.
Mr. Manjunath B R	Fluid Power Systems.
Mr. Manjunath K V	Control Engineering.
Mr. Mallikarjuna M R	Tribology.
Mr. Naresha K	Mechatronics.

MAGAZINES

Power Transmission Engineering is a magazine working for the publishing the design engineering and maintenance professionals involved in the different perspective of the mechanical Transmission Components. This magazine basically deals with the Exposing the technical articles on the gears, bearing, motors, motors, couplings, gear drives, linear motion, fluid power clutches, brakes, sensors, controls and related components. If you design rotating mechanical equipment and want to publish your design idea then, PTE is for you.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ABOUT THE DEPARTMENT

 The Department of Computer Science and Engineering has well qualified, highly knowledgeable and dedicated faculty to provide with a qualitative and Industry tuned education to students with unreserved support from the HOD and Principal. The students are imbibed with knowledge on new technological skills to sharpen their bright minds. The CSE department offers a great platform for organising events under professional bodies like ISTE, IEI, CSI & BITES. The department has a great infrastructure and offers UG, PG & PhD programs providing basic and applied research in computer science. The   infrastructure fulfills and supports learning skills on the latest technology in the industry.

Dr. Rekha B Venkatapur

DEPARTMENT WELCOMES

- **Ms. Sneha Karamadi, Assistant Professor**
- **Mr. Chillara Anil Kumar, Assistant Professor**

CYBER SECURITY

Cyber security is the practice of protecting systems, networks, and programs from digital attacks. These cyber attacks are usually aimed at accessing, changing, or destroying sensitive information; extorting money from users; or interrupting normal business processes. A successful cyber security approach has multiple layers of protection spread across the computers, networks, programs, or data that one intends to keep safe. Users must understand and comply with basic data security principles like choosing strong passwords, being wary of attachments in email, and backing up data. Organizations are also very cautionary and do take up intense measures towards Cyber security. They must have a framework for how they deal with both attempted and successful cyber attacks. One well-respected framework can guide you. It explains how you can identify attacks, protect systems, detect and respond to threats, and recover from successful attacks. Three main entities of technology that must be protected: endpoint devices like computers, smart devices, and routers; networks; and the cloud. Common technology used to protect these entities include next-generation firewalls, DNS filtering, malware protection, antivirus software, and email security solutions. Everyone relies on critical infrastructure like power plants, hospitals, and financial service companies. Securing these and other organizations is essential to keeping our society functioning.

SMART INDIA HACKATHON - 2019

In order to work towards our Prime Minister's vision, MHRD, All India Council for Technical Education (AICTE), International Institutional Inclusive Innovation Center (i4C), and Persistent Systems organized Smart India Hackathon, a unique initiative to identify new and disruptive digital technology innovations for solving challenges faced by our country. Through this initiative, govt. Departments will directly engage with thousands of technical students and challenge them to build digital solutions to improve their efficiency, plug revenue leakages, and corruption.

This 36 hour, non-stop, digital product development competition, focuses on harnessing creativity and expertise of the nation's youth. We are very proud to say that five teams from our college were selected for the grand finale of Smart India Hackathon 2019.

The members of the team "CRYPTIC CODERS" won the first place at Jaipur, held on of March 2019, the members of the team were Meghana B S, Narasimha Prasanna H N, Pavan Kumar D, Shantanu Kumar, Bhagwat Dayal, Ruchitha G K and the mentors were Mr. Kumar K and Mr. Ranjan B. This team won the first prize of One Lakh Rupees under the ministry of power.

The other team "PACMAN BYTES" which was competing at Kanchipuram won first place of One Lakh Rupees, under the Ministry of Civil Aviation and the members were K Tarun Naidu, Abhigna A, Adithya Kumar N S, Dhanvi P Desai, Nikhil Meduri, Raksha S and the mentors for the team were Mr. Kushal S and Mr. Prabhu.

SENTINEL HACK 2.0
THERE CAN ONLY BE ONE

A 24 hour State level Hackathon was conducted by the department of Computer Science and engineering at K. S. Institute of Technology called SENTINEL HACK with the moto "There Can Only Be One" under the CSE student club Firefox.

The aim of this "24 Hour State Level Hackathon – Sentinel Hack 2.0" event is to provide a forum for the students to exhibit their coding abilities in seven different domains and come up with their innovative ideas to solve real-world problems.

The students from all over Karnataka can participate in this event by submitting their innovative ideas. We also had renowed judges and mentors who helped the participants continuously in developing their product. The winners of Sentinel Hackathon recived a cash prize of 25,000/- Rupees and goodies.

It was a proud moment for K S I T as the unique event of this kind was participated by about 72 teams with 265 students from different technical institutions across the state.

The event was inaugurated by the chief guests Dr. K Elangovan, Assistant Innovation Director, Innovation Cell, Ministry of HRD, Government of India, New Delhi, in his absence and Mr. Shashank Krishna, INTERPOL Drone Working Group Member-Anti Drone Wing, Singapore ,accompanied by Hon'ble President of Kammavari Sangham Sri. Y Ramachandra Naidu, Hon'ble Secretary of Kammavari Sangham Sri. Venkatesh Naidu, Treasurer of Kammavari Sangham Sri. D. Rukmangada , Dr. K.V.A. Balaji, CEO K. S. Group of Institutions, Dr. T. V. Govindaraju, Principal/Director, K S I T , Dr. Rekha B Venkatapur, Prof. and Head, Department of CSE, Prof. K Venkata Rao Convener, were present during the event.

EVENTS CONDUCTED

- Seminar on "CITY SURVEILLANCE AND NAYAGAADI" was organized for 6th semester students under the CSI Student Branch on 20th February, 2019.

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

- Technical Talk on "Mobile App Development" was organized for 6th semester students by the CSI Student Chapter and Equinox Club on 22nd, February 2019.

- Seminar on "Robotics and Home Automation" was organized for 4th semester students on 27th February 2019, under the CSI student chapter. The speaker for this seminar was Prof. Sreenivasa Shetty, Founder of SST Technologies, Bengaluru.

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

- The workshop on "Computer Awareness Program" was conducted on 7th March 2019, under the CSI Student chapter and NSS.

- The Department of Computer Science and Engineering organized a seminar on "Path Finder NRI" on 7th May 2019, under the CSI Student Branch and KSIT Alumni Association.

- The Department of Computer Science and Engineering in association with BITES Organized Third CAC Lecture on "Rabindranath Tagore" on 8th May, 2019.

- Project exhibition was conducted for 8th semester CSE Students on 13th May, 2019.

- Dr. Rekha B Venkatapur, Dr. Dayanand R B, Mrs. Deepa S R, Mrs. Vaneeta M, Mr. Sanjoy Das organized a Computer Graphics Mini-Project Exhibition for 6th students on 13th May, 2019.

  A guest lecture was given on "HYPER LOCAL CONTENT " with GAIUS Networks by the ALUMNI Club on 9th June, 2019.

- A Technical Talk on Web and User Interface Development was conducted by Mr. Asif and Ms. Farhenn, Co-founder and CEO, Princeton Smart Engineers, Electronic City, Bangalore on 1st August, 2019.

- A guest lecture was organized for the faculty on the topic "A New Vision for Engineering Education in India" in collaboration with BITES Resource person Dr. Viraj Kumar, Professor, IISc on 24th August, 2019.

- A Guest Lecture on Hyper local content with GAIUS Networks was conducted by Dr. Arjuna Sathiaseeian on 6th September, 2019.

- Technical talk was held about the "Smart India Hackathon-2019" under CSI Chapter by Mr. Shashank Krishna, SIH 2019 ambassador-South India, on 14th September, 2019.

- An Introduction to programming using JAVA script was conducted by Microsoft Technology Associate on 21st September, 2019.

- Technical talk was conducted on the topic "Internet of Things" under CSI Chapter by Mr. Ramesh Kumar, Founder and CEO of Linux Learning Centre, Bengaluru and Mr. Kotresh Aaradhya, Linux Learning Centre, Bengaluru on 26th September, 2019.

- A Workshop on Android App Development was conducted by students of 5th semester of K. S. Institute of Technology, Lokesh B M ,Chennakeshava N T, Indrasena Kalyanam and Ashish Amar on 28th and 29th September, 2019.

- Internship Awareness program was conducted by Vivek Choudary,Data Scientist INEURON and Grishma Singh, Manager Gaius Networks on 1st November, 2019.

- A Seminar was conducted on the topic "INDUSTRY 4.0" by the IEI on by Mr. Supreeth Y S, CEO, Tequed Labs, Bengaluru and Mr. Aditya S K, Director, Tequed Labs, Bengaluru 7th November, 2019.

- A Coding Contest was organized by the Firefox Club, the resource persons for this event were Mr. Vivek Choudary, Data Scientist, INEURON and Grishma Singh, Manager, GAIUS Networks on 12th and 13th of November, 2019.

- A Technical talk was organized on the topic "Internship Awareness" by the ALUMINI Club, the speakers for this event were Mr. Vivek Choudary, Data Scientist, INEURON and Grishma Singh, Manager, GAIUS Networks on 13th November, 2019.

EVENTS ATTENDED

- Dr. Rekha B Venkatapur, Dr. Dayanand R B, Mrs. Sangeetha V attended a one-day workshop on New Approach to the Revised Assessment and Accreditation of NAAC on 4th January, 2019 at Global Academy of Technology, Bengaluru.

- Dr. Ram P Rustagi attended FDP Programme on "Aspects of programming and Research", K S School of Engineering and Management, Bangalore, 16th to 18th January, 2019.

- Mrs. Beena K attended a two-day FDP on "Aspects of effective programming and Research" at KSSEM, Bangalore from 17th to 18th January, 2019.

- Mrs. Vaneetha M, Mrs. Sangeetha V, Mrs. Priyanga P, Mrs. Sougandhika Narayan, Mrs. Vijayalaxmi M, Mr. Raghavendrachar, Mr. Aditya Pai H, Mrs. Swathi K, Mrs. Ranjitha K N and Mrs. Beena attended a one-day workshop on "Verifying Functional Correctness of Programs" at Jyothy Institute of Technology, on 29th January, 2019.

- Mrs. Deepa. S. R attended a two-day workshop on "Machine Learning and Tools" at Sapthagiri College of Engineering, Bangalore from 30th to 31st January, 2019.

- Dr. Rekha B Venkatapur attended a one-day workshop on Outcome Based Education at Dr. AIT on 1st February, 2019.
Mr. Aditya Pai H, Mrs. Swathi K attended three-day National level Workshop on "Research Methodology" at DSATM, Bengaluru in association with VTU, Belagavi, ISTE, New Delhi & CSI, Bangalore Chapter from DSATM, Bengaluru FROM 21st to 23rd February, 2019.

- Mr. Raghavendrachar S attended a two-day workshop on "Diving into Deep Learning: Theory and Practice" at PES University, Electronic City Campus, Bengaluru from 23rd to 24th February, 2019.

- Dr. Ram P Rustagi attended FDP Hands-on workshops "Basics of HTTP and Transport Layer (TCP/UDP)", Sona College of Technology, Salem, Tamilnadu, from 28th February to 1st March 2019.

Mr. Aditya Pai. H attended a workshop on "Sustainable Technology", at VTU Regional Centre, Nagarbhavi, Bangalore, 28th March, 2019.

- Dr. Ram P Rustagi attended BITES sponsored FDP workshop on "Experiential Learning of Recursive Programming", AMC Engineering College, Bangalore, 22nd April, 2019.

- Mr. Aditya Pai H and Mrs. Swathi K attended the 2nd International Conference on Advances in Communication, Information & Computing Technology (ACICT – 2019) at EWIT, Bengaluru held on 9th and 10th May, 2019.

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

- Mr. Kumar K, attended a conference on "Decentralized Destress Release using Blockchain", International Conference on Recent Innovations in Science, Engineering and Management (RISEM-2019) held on 10th and 11th May 2019 at R. R. INSTITUTE OF TECHNOLOGY.

Mr. Aditya Pai H, Ms. Swathi K attended a two-day international conference on "Second International Conference on Emerging Trends In Science & Technologies For Engineering Systems (ICETSE-2019)" at SJCIT, Chikkaballapur from 17th and 18th May, 2019.

- Mr. Prashanth H S attended a five-day Training Program on Machine Lecture and Deep Learning with Python Programming at VTU-HRDC, Center For PG Studies, Chikkaballapur from 22nd to 26th July, 2019.

- Dr. Rekha B Venkatapur attended a three-day FDP on Matlab and Latex at K S Institute Of Technology, Bangalore from 24th to 26th July, 2019.

- Dr. Rekha B Venkatapur attended a one-day Guest Lecture on Hype Local Content with GAIUS Network at K S Institute Of Technology, Bangalore on 6th August 2019.

- Dr. Rekha B Venkatapur attended a one-day Guest Lecture on Hype Local Content with GAIUS Network at K S Institute Of Technology, Bangalore on 6th August 2019.

- Dr. Rekha B Venkatapur attended a two-day workshop on The Future Of Foods: Emerging Agri Technologies at Nimhans Convention Center, Bangalore from 4th to 6th September, 2019.

- Dr. Rekha B Venkatapur and Mrs. Sneha Karamadi attended a five-day Training Program on Cyber Security at DSATM, Bangalore from 2nd to 6th December, 2019.

- Mr. Chillara Anil Kumar attended a six-day Training Program on Outcome Based Education and NBA Accreditation at DSATM, Bangalore on 23rd to 28th December , 2019.

PUBLICATIONS FACULTY

- Mrs. Vaneeta M "NPKG: Novel Pairwise Key Generation for Resisting Key-based threats in Wireless Sensor Networks", International Journal of Network Security ISSN: 1816-353X Print Vol 21, No. 1, PP 122-129, January 2019.

- Dr. Rekha B Venkatapur, et.al, "Review on human action detection in stored videos using support vector machines", International Research Journal of Engineering and Technology (IRJET), ISSN : 2395-0072, PP: 111-113, February 2019.

- Dr. Ram P Rustagi, Viraj Kumar; "Understanding TCP Connection State - Part II", ACCS Journal on Advanced Computing and Communications,International Journal, Vol 03, Issue 01, March 2019.

- Dr. Ram P Rustagi Published a paper on "Securing Distributed SDN Controller network from Induced DoS Attack", IEEE CCEM 2019.

- Ms. Vijayalaxmi Mekali, "Fully Automated CAD System for Juxta Vascular Nodules Segmentation in CT Scan Images", IEEE 2019 International Conference on Computing Methodologies and Communication, Surya Engineering College Erode, Tamil Nadu, India, 26th to 27th April, 2019.

- Mr. Aditya Pai H, et.al., "Comparative Study and Analysis of Security Mechanism in IoT", Conf. Proceedings, Recent Advances in Engineering, Technology & Science, 26th to 27th April, 2019.

- Mr. Aditya Pai H, et.al., "Feature Extraction and Analysis of MRI Images For Breast Cancer", Conf. Proceedings, Recent Advances in Engineering, Technology & Science, 26th to27th April, 2019.

- Mr. Aditya Pai H, et.al., "Medical Image Segmentation Use Neural Network For Novel Domain Variation Framework", Conf. Proceedings, Recent Advances in Engineering, Technology & Science, 26th to 27th April, 2019.

- Mr. Aditya Pai H, et.al., "Domain Adaptation For Biomedical Image Segmentation Using Adversarial Training", Conf. Proceedings, Recent Advances in Engineering, Technology & Science, 26th to 27th April, 2019.

- Mrs. Vaneeta M "NPKG: Novel Pairwise Key Generation for Resisting Key-based threats in Wireless Sensor Networks", International Journal of Network Security ISSN: 1816-353X Print Vol 21, No. 1, PP 122-129, January 2019.

- Dr. Rekha B Venkatapur, et.al, "Review on human action detection in stored videos using support vector machines", International Research Journal of Engineering and Technology (IRJET), ISSN : 2395-0072, PP: 111-113, February 2019.

- Dr. Ram P Rustagi, Viraj Kumar; "Understanding TCP Connection State - Part II", ACCS Journal on Advanced Computing and Communications,International Journal, Vol 03, Issue 01, March 2019.

- Dr. Ram P Rustagi Published a paper on "Securing Distributed SDN Controller network from Induced DoS Attack", IEEE CCEM 2019.

- Ms. Vijayalaxmi Mekali, "Fully Automated CAD System for Juxta Vascular Nodules Segmentation in CT Scan Images", IEEE 2019 International Conference on Computing Methodologies and Communication, Surya Engineering College Erode, Tamil Nadu, India, 26th to 27th April, 2019.

- Mr. Aditya Pai H, et.al., "Comparative Study and Analysis of Security Mechanism in IoT", Conf. Proceedings, Recent Advances in Engineering, Technology & Science, 26th to 27th April, 2019.

- Mr. Aditya Pai H, et.al., "Feature Extraction and Analysis of MRI Images For Breast Cancer", Conf. Proceedings, Recent Advances in Engineering, Technology & Science, 26th to27th April, 2019.

- Mr. Aditya Pai H, et.al., "Medical Image Segmentation Use Neural Network For Novel Domain Variation Framework", Conf. Proceedings, Recent Advances in Engineering, Technology & Science, 26th to 27th April, 2019.

- Mr. Aditya Pai H, et.al., "Domain Adaptation For Biomedical Image Segmentation Using Adversarial Training", Conf. Proceedings, Recent Advances in Engineering, Technology & Science, 26th to 27th April, 2019.

- Mr. Aditya Pai H, et.al., "Study on the Factors that increase the Lead Times in Small and Medium Level Enterprises in IT Sector", Journal of Advanced Research in Dynamical & Control Systems, Vol.11, Special Issue 04, 2019.

ACHIEVEMENTS - FACULTY

PERSONAL ACHIEVEMENTS

- Mr. Aditya Pai. H won Best Paper Award for the paper titled "Analysis of Causes and Effects of Longer Lead Time in Software Process Using FMEA" in the Second International Conference on Emerging Trends in Science and Technologies for Engineering Systems held at SJCIT, Chickballapur on 17th and 18th May 2019.

CONSULTANCY SERVICE

- Dr. Ram P Rustagi completed his consultancy work on project titled "Evaluate network architecture from efficiency and security perspective" for the agency ONE9 Communication Limited (Paytm). He received a consultancy service amount of Rs. 701807/-.

- Dr. Ram P Rustagi organised a 2 day workshop on Basics of Cyber Security at PES University from March 11-12, 2019. He was awarded with a consultancy service amount of Rs. 20.000/-.

- Dr. Ram P Rustagi conducted a 2 day workshop at Sona College of Technology from Feb 28 to March 1, 2019 based on the topic Basics of Network and Transport Layer. He was awarded with a consultancy service amount of Rs. 30.000/-

PROJECT (FUNDING)

- FOSS - VTU Project titled "Exoskeleton Arm for Differently Abled" carried out by Darshan S K, Sindhu G M, Chidananda J under the guidance of Mr. Roopesh Kumar B N has received financial assistance of Rs.5000/- from Visvesvaraya Technological University, Belagavi.

- VTU Financial Assistance Project titled "Advanced Foot Step Power Generation" carried out by Shilpa.R, Sindhu bhairavi G K, Shirisha .D, Thimmesh. M under the guidance of Mr. K.Venkata Rao has received financial assistance of Rs.5000/- from Visvesvaraya Technological University, Belagavi.

- VTU Financial Assistance Project titled "Women Security System" carried out by Siddharth Meharwade, Shiv Shankar Sah, Sirisha M, Suraj Kumar under the guidance of Ms. Swathi K has received Rs.5000/- from Visvesvaraya Technological University, Belagavi.

LECTURES/TALKS GIVEN

- Dr. Ram P Rustagi was the main speaker for the BITES sponsored workshop on "Experiential Learning of Recursive Programming" on 22nd April 2019, at AMC College of Engineering, Bangalore.

- Dr. Ram P Rustagi conducted a hands-on workshop on "Basics of HTTP and Transport Layer (TCP/UDP) from 28th Feb to 1st March 2019, at Sona College of Technology, Salem, Tamil Nadu.

- Dr. Ram P Rustagi conducted an FDP program on "Aspects of programming and Research", from 16th to 18th January 2019, at KSSEM, Bengaluru.

R&D ACTIVITIES

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

- Mrs. Savitha S.K. and Mrs. Priyanga.P has completed the Colloquium at research center, department of computer science and engineering,K.S Institute of technology and also10 other Research Scholars are perusing Ph.D under guides of CSE Department,KSIT.

ACHIEVEMENTS - STUDENTS

- Bhavesh Bansali secured first place in the event Pair Programming and Codethon in ANVESHAN 2019 held on 8th and 9th November 2019, at JSSATE, Bangalore.

- Team Unbeatables was the Runner Up's of TCS event EgniNX. The members of this team were Ketan K, Anand T R, Akhila N and Appanna Gowda D. Mr. Aditya Pai H, Professor at KSIT and Neena Chandan, TCS coordinator were the mentors for this event.

SPORTS:

- Rohith K, Rakshith R, Varun Kambali secured fourth place in softball Interzone competition held at Don Bosco Institute of Technology on 12th October, 2019.

- Rohith R has represented the VTU in South Zone / All India InterUniversity at Kurukshetra held at Kurukshetra University from 27th March to 30th March, 2019.

STUDENT PAPERS:

- Nikhil Meduri has presented his paper on decentralized distress relief using BlockChain at International Conference on RISEM held on 10th and 11th May, 2019 at RNSIT.

- Nikhil participated in Inter College competition and demonstrated a project entitled 'Counterfeit Drug Identification and Ensuring Brand Safety' at DSATM, Bangalore.

100% RESULTS

Mr. K.VENKATA RAO	OPERATIONS RESEARCH
Mrs. PRIYANGA P	DATA MINING AND DATA WAREHOUSING
Mr. ADITYA PAI H	INTERNET OF THINGS AND APPLICATIONS
Mr. KRISHNA GUDI	INTERNET OF THINGS AND APPLICATIONS
Mrs. BEENA K	MODERN INTERFACE DESIGN
Dr. DAYANANDA R B	MODERN INTERFACE DESIGN
Mr. RAGHAVENDRACHAR S	BIG DATA ANALYTICS
Mrs. SWATHI K	BIG DATA ANALYTICS
Mrs. BEENA K	INTERNSHIP/PROFESSIONAL PRACTICE
Mr. PRASHANTH H S	INTERNSHIP/PROFESSIONAL PRACTICE
Mr. ADITYA PAI H	MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY
Dr. DAYANANDA R B	COMPUTER NETWORKS
Mr. RAGHAVENDRACHAR S	DOT NET FRAMEWORK FOR APPLICATION DEVELOPMENT
Mrs. RANJITHA K N	DOT NET FRAMEWORK FOR APPLICATION DEVELOPMENT
Mr. PRADEEP K R	WEB TECHNOLOGY AND ITS APPLICATIONS
Mrs. PRIYANGA P	MACHINE LEARNING
Mrs. ASHWINI	STORAGE AREA NETWORKS
Mr. KUMAR K	WEB TECHNOLOGY AND ITS APPLICATIONS
Dr. RAM P RUSTAGI	MACHINE LEARNING
Mrs. SWATHI K	STORAGE AREA NETWORKS
Mrs. SOUGANDHIKA NARAYAN	INFORMATION AND NETWORK SECURITY

MAGAZINES

COMPUTERWORLD

ComputerWorld is a popular magazine for IT professionals and enthusiasts. Whether you are interviewing for a latest position or you just want to stay updated on latest IT industry trends. In this regard, ComputerWorld is a well-renowned magazine that focuses on technology-based products and resources pertaining to the real-world scenarios.

Furthermore, you can also get career guidance from ComputerWorld including project managers, database administrators, network specialists, programmers, developers and system administrators.

MAXIMUM PC

Maximum PC is one of the best-selling technology magazines, this magazine was designed for computing geeks, as the content is mainly devised for professional users only. Furthermore, you'll mostly find brutally honest hardware reviews, user guides and manuals on overclocking aspects, product documents, popular tips and tricks and project guides. Maximum PC aims to deliver if you're looking for articles on business and IT related topics with an intangible look alike.

Hence, every geek must be stay updated on the latest developments in hardware and software products and services which are reading Maximum PC enables you to stay updated with modern computing technologies. You can check out full backup issues of Maximum PC in PDF Format for free of cost in their online collection of documents.

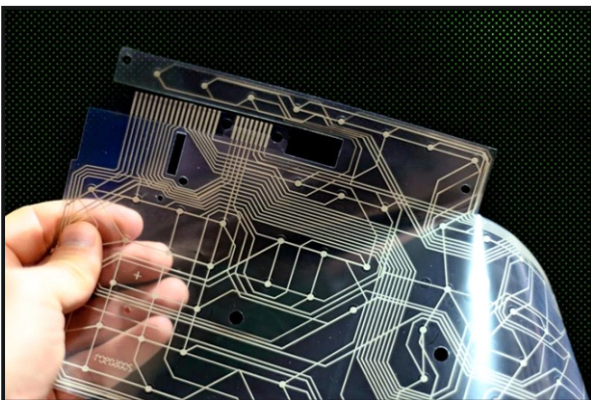# DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ABOUT THE DEPARTMENT

I am happy to share the details of events and the activities that were hosted in Electronics department for the academic year 2019. In our the department we had organised many FDP's, extracurricular and co-curricular for the academic enhancement of Faculty, Students & Supporting staff. Our department focuses on all round development of students by encouraging them to host and also participate in the activities organised under various professional bodies and clubs. This exposure helps our students to learn finance management, organising skills and leadership qualities. The main mission of our department is to develop self-disciplined engineers, motivated and skilled engineers. Our department is gifted with highly motivated, learned and enthusiastic faculty members and supporting staff .With the support of all staff members department & placement office we were able to maintain quality placement record till date. Department is proud to announce that few of our students have become entrepreneurs and few are pursuing higher studies in top universities. Our students are flag bearers of our department and we are proud to say that our flag files high. Department's quotes is "Don't wait for opportunity. Create it"

Dr. P N Sudha

LATEST TECHNOLOGY

Printed electronics is a set of printing methods used to create electrical devices on various substrates. Printing typically uses common printing equipment suitable for defining patterns on material, such as screen printing, flexography, gravure, offset lithography, and inkjet. By electronic industry standards, these are low cost processes. Electrically functional electronic or optical inks are deposited on the substrate, creating active or passive devices, such as thin film transistors; capacitors; coils; resistors. Printed electronics is expected to facilitate widespread, very low-cost, low-performance electronics for applications such as flexible displays, smart labels, decorative and animated posters, and active clothing that do not require high performance.

Much of this market includes organic light emitting diodes and conductive ink that's used in a broad range of applications. It's also being driven by the Internet of Things, which demands low-cost, lightweight technologies. At their core, designs for traditional PCBs and printed electronics deliver very much the same thing - connected electronic components form an electronic circuit that powers a product. However, how printed electronics are built and what materials they are built with are very different.

While traditional PCB design and the manufacturing or printing process typically involves reducing materials (etching) to form a trace, printed electronics is an additive process. Materials are added onto existing surfaces not with layers but by printing directly onto a substrate. For example, if a signal pathway needs to cross an existing pathway, a designer can print a small patch of insulation directly in the required location to enable the new signal pathway to be printed across the existing pathway without causing a short. Typically, printed electronics are easier to produce, lighter than traditional circuit boards, cheaper to print, quicker to assemble, and offer more design freedom.

DEPARTMENT WELCOMES

- Mohanambica KM, Assistant Professor

- Pooja S, Assistant Professor

EVENTS CONDUCTED

- A technical seminar on "Artificial Intelligence and Machine Learning-Industry Trends" was conducted by IEEE on the 20th of February 2019 by Abhilash Manu, AI Automation Lead for Products-Industry Innovation Hub, Accenture.

- For all the 4th semester students, an industrial visit to Mrudani Power Controls was conducted by ISTE on the 23rd of February 2019.

- Microsoft certification course was done for all 5th semester students by Mr. Joy Prabhakaran on 22nd February 2019.

- The Alumni Association and IEEE conducted a talk on Path Finder – NRI to all students on 27th February 2019 by Mr. Gurusharn B.S.

- An industrial visit to National Aerospace Laboratories (NAL) Bangalore was conducted by IEEE to all the 6th semester students on the 7th of March 2019.

- IEEE with WIE in association with Aikya was proud to have the first 5K marathon on 1st March 2019 for all students of KSIT making it a grand success and seeing active participation by many staff members and our beloved principal.

- 8th March 2019 marks International Women's Day and was celebrated duly by the KSIT IEEE student branch by having Mrs.C. Saraswathi Nagarajan, System Engineering Consultant, UG Academy and Ms. Purnima Nambiar Founder & CEO of Trimtab Intervention as chief guests for the event.

- On 22nd March 2019, an industrial visit was conducted to all the IEEE members to NAL CSIR Bangalore.

- The annual IEEE valedictorian ceremony was conducted on the 23rd May 2019 by the IEEE STB and WIE Affinity. Dr. T.V. Govindaraju, Principal of KSIT, Dr.K.V.A Balaji, CEO and Dr. P.N.Sudha, HOD of ECE Department were the Chief Guests for the event.

- The Garut Aeromodeling Club and The IETE Students Forum (ISF) conducted an event discussing the Side Effects of Mobile Phones and Wireless Radiation from the 10th to 16th August 2019.

- A three day FDP on Outcome based NBA was conducted by IEEE and IETE from 17th to 19th July 2019.

- IETE conducted a Guest Lecture on Microwave Antennas: Advances and Applications on 31st August 2019. Dr.Chaitanya Kumar M.V, Principal PESIT & M.Shimoga were the key resource person for the event.

- The KSIT IEEE Student Branch conducted its mega event INNOVACEEEA 3.0 on the 29th September 2019. Dr. K.V.A Balaji CEO, K.S. Group of Institutions was the chief guest.

- Garut Aerobotics Club (GAC) and IETE Students Forum (ISF) of ECE Department conducted a One day workshop on Biped-Robotics on 30th September 2019.

- IEEE celebrated IEEE day on the 1st of October 2019 in grand fashion to which Mr. Abhishek Appaji IEEE, BMSCE, Bengaluru was the chief guest.

- IETE conducted a two day workshop on Image and Video Processing using Raspberry Pi on 1st and 2nd October 2019. The key resource personnel were Mr. Sagar HB, Application Engineer, Telos Technologies and Mr. Mahesh.B.S, Application Engineer, RS Components, Bangalore

- IEEE and ISTE with the department of ECE conducted an industrial visit to iCAT media and designs on 3rd October 2019 for all the 7th semester students.

- The department of ECE conducted a seminar on the Simulation Using NI on the 10th October 2019. The chief resource person was Dr. Ravi Kumar Associate Professor, SJBIT.

- IEEE, ISTE and IEI collectively conducted a Technical Talk on the Evolution of NANO Satellites on the 14th October 2019. The chief speaker was Prof. K. Krishnaswamy, Project Director, and NIU SAT.

- Innovation day was celebrated on 15th October 2019 by the KSIT IIC. The chief guest for this event was Dr. K.V.A Balaji, CEO, K.S Group of Institutions.

- A one day Workshop on Arduino usage and programming was conducted in the EC seminar hall of KSIT campus. This was conducted on 31st October 2019.

FUNDED PROJECT

- Mr. Suhail Yousuf Bhat and his project team have received a fund of 5000 INR for the project titled "Design of an economic and portable CAPD assistive device" funded by VTU under the guidance of Dr. Surekha B, Professor.

- Mr. Mayank Gupta and his project team have received a fund of 8000 INR for the project titled "Artificial Intelligence Based Solar Vehicle" for the Student Project Programme-42nd Series by KSCST under the guidance of Mr. Sampath Kumar S, Asst Professor.

EVENTS ATTENDED

- Dr. P N Sudha, Professor has attended one day workshop on "New approach to AAA of NAAC" held on 4th January 2019 held at Global Academy of technology, Bengaluru.

- Dr. P N Sudha, Professor, Dr. Surekha Borra, Professor , Ms. Sahana Salagare, Assistant Professor, Ms. Jayasudha BSK, Assistant Professor, Ms. R. Nityakumari, Assistant Professor, Ms. V Sangeetha, Assistant Professor, Ms. Bhargavi Ananth, Assistant Professor, Mr. Saleem Tevarmani, Assistant Professor and Ms. Laxmi H R, Assistant Professor have attended 3-day workshop on "New approach to AAA of NAAC" held on 4th January 2019 held at KSSCEM, Bengaluru.

- Dr. Surekha Borra, Professor has attended 5-day FDP on "Machine learning for IOT Applications" held on 28th January to 1st February 2019 held at BMSE, Bengaluru.

- Dr. P.N Sudha(Professor and HOD) attended a 3 day FDP at SMVIT Benguluru on the topic "OBE-NBA" from 17-6-19 to 19-6-19.

- Mrs. Sahana Salagare (Assistant Professor) attended a 3 day workshop at DBIT Benguluru on the topic "Research Methodology and Latex" from 19-6-19 to 21-6-19.

- Aruna Rao B.P (Assistant Professor) attended a 5 day FDP at DCSE Benguluru on the topic "Analog VLSI Design" from 24-6-19 to 28-6-19.

- Dr. B Surekha(Professor) attended a 6 day FDP at BNMIT Benguluru on the topic "IOT based Project Design and Development" from 24-6-19 to 29-6-19.

- Mr. Praveen Andrew(Assistant Professor) attended a workshop of 3 days on "Research Methodology and Data analytics" conducted at KSTA, Dept of Science and Technology, Bengaluru on 26-6-2019 to 28-6-2019 .

- Mrs. Nithya Kumari(Assistant Professor) attended a workshop of 3 days on "Research Methodology and Data analytics" conducted at KSTA, Dept of Science and Technology, Bengaluru on 26-6-2019 to 28-6-2019.

- Mrs. Jayasudha BSK(Assistant professor) attended a 2 days conclave on "Advanced heart failure and transplantation" conducted at MS Ramiah, Bengaluru on 6-7-2019 to 7-7-2019

- Mrs. Sahana Salagare(Assistant Professor), Dr. B.Surekha (Professor), Dr. B.Sudarshan(Professor), B.R.Santosh Kumar (Assistant Professor), Mrs. Pragati.P (Assistant Professor), Mrs. Aruna Rao B.P. (Assistant Professor), Mrs.Veda B (Assistant Professor), Mrs. Shilpa V (Assistant Professor), Mrs. Bhargavi Ananth(Assistant Professor), Mr.Praveen A(Assistant Professor), Mr. Christo Jain(Assistant Professor), Mr. Saleem S. Teevaramani (Assistant Professor), Mrs. Vishalini Diwakar (Assistant Professor), Mrs. Jayasudha BSK(Assistant Professor), Mr. Sampath Kumar S.(Assistant Professor), Mr. Sunil Kumar G.R.(Assistant Professor), Mrs. Sangeetha V.(Assistant Professor), Dr. P.N Sudha(Professor and HOD), Mrs. Mohanambica K.M.(Assistant Professor) attended a FDP of 3 days on "Outcome Based Education- NBA" conducted at KSIT Bengaluru on 17-7-19 to 19-7-19.

- Dr. B. Sudarshan(Professor)attended workshop on "Human digitalization: Future Intelligence" at NIMHANS centre Bengaluru on 4th and 5th of September 2019.

- Saleem Tevaramani(Assistant Professor) attended workshop on "Human digitalization: Future Intelligence" at NIMHANS centre Bengaluru on 4th and 5th of September 2019.

- Dr. P.N Sudha(Professor and HOD) attended workshop on "Human digitalization: Future Intelligence" at NIMHANS centre Bengaluru on 4th and 5th of September 2019.

- Ms Nithya Kumari(Assistant professor) has attended a workshop on EDA tool conducted by KSSEM Bengaluru on 21-9-2019.

- Ms Shilpa V(Assistant professor) has attended a workshop on EDA tool conducted by KSSEM Bengaluru on 21-9-2019.

PUBLICATIONS

- Dr. Surekha Borra, Rohit Thanki, Nilanjan Dey, "Satellite Image Analysis: Clustering and Classification", Series: SpringerBriefs in Applied Sciences and Technology, Springer, 2019, [ISBN: 978-981-13-6424-2] [ISSN: 2191-530X] Scopus Indexed

- Dr. Surekha Borra, Rohit Thanki, Nilanjan Dey, "Digital Image Watermarking: Theoretical and Computational Advances", Series: Intelligent Signal Processing and Data Analysis, CRC Press, Taylor & Francis Group,2018 [ISBN 9781138390638]

BOOK CHAPTERS

- Mr. P. Joy Prabhakaran "novel techniques for multi-resolution imaging" LAMBERT academic publishing ISBN-13:978-613-9-46002-1, ISBN-10:6139460026, EAN:978613946002

- Rohit Thanki, Dr. Surekha Borra, and Deven Trivedi. "Security of Biometric and Biomedical Images Using Sparse Domain Based Watermarking Technique, Handbook of Multimedia Information Security: Techniques and Applications, pp 209-232, 2019. [ISBN: 978-3-030-15887-3]

- Rohit Thanki, Dr. Surekha Borra, "Application of Machine Learning Algorithms for Classification and Security of Diagnostic Images", Machine Learning in Bio-Signal Analysis and Diagnostic Imaging, Chapter 11, Academic Press, Elsevier Ltd., pp.273-292, 2018. [ISBN 978-0-12-816086-2]

- Kranti Budigi, Dr. Surekha Borra, "Real-time Facial Recognition using Deep Learning and Local Binary Patterns", Proceedings of International Ethical Hacking Conference 2018, Springer series on Advances in Intelligent Systems and Computing, Vol.811, pp.331-347, 2018. [ISBN: 978-981-13-1543-5]

- Dr. Surekha Borra, Rohit Thanki and Nilanjan Dey, "Watermarking Techniques for Copyright Protection of Texts in Document", Cryptographic and Information Security Approaches for Images and Videos, Chapter 12, CRC Press, Taylor and Francis Group, pp. 323-352, 2018 [ISBN: 978-1-1385-6384-1]

- Rohit Thanki, Dr. Surekha Borra, Komal Borisagar and Nilanjan Dey, "Compressive Sensing in Color Image Security", Cryptographic and Information Security Approaches for Images and Videos, Chapter 8, CRC Press, Taylor and Francis Group.pp.211-244, 2018, [ISBN: 978-1-1385-6384-1]

- Nabanita Das, Dr. Surekha Borra, Nilanjan Dey and 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 P N Sudha, "Secrecy Capacity of Symmetric Keys Generated by Quantizing Channel Metrics Over a Fading Channel", Inventive Computation Technologies, Springer, pp 404-413, 2019

INTERNATIONAL JOURNALS

- Dr P N Sudha, "Shop floor to cloud connect for live monitoring the production data of CNC machines", International Journal of Computer Integrated Manufacturing, Vol. 33, No. 2, pp 142-158, 2020, ISSN: 0951-192X, DOI: 10.1080/0951192X.2020.1718762

- Aruna Rao B P, "Village 3.0", Journal of Applied Science and Computation, Vol.6, No 12, pp 19-26, 2019, ISSN:1076-5131

- Devika. B, Dr. P. N. Sudha," fisheye state protocol in correlation with power consumption in Ad-hoc networks", international journal of applied engineering research. ISSN: 0973-4562

- Srividya. L, Dr. P. N. Sudha" Physical Layer Secret Symmetric Key Generation and Management Techniques for Wireless Systems-A Study", JASC: Journal of Applied Science and Computations. ISSN NO: 1076-5131

- Suvijith S, Skanda H.N, Smitha S Karanth, Swathi K.S, Dr P.N Sudha, "IOT Based Camouflage Robot", JETIR March 2019, Volume 6, Issue 3| ISSN-2349-5162

- Anurag Reddy R, Ankita A Raikar, Harsha N, Kishore Bhat U, Dr P.N Sudha" "Watchdog for ATM", Journal of Applied science and computations: ISSN NO: 1076-5131.

- Skanda H N, Smitha S Karanth, Suvijith S, Swathi K S, P.N Sudha", "IOT Based Camouflage Army Robot" | Journal of Applied Science and Computations | ISSN-1076-5131

- Rohit Thanki, Dr. Surekha Borra, "Fragile Watermarking for Copyright Authentication and Tamper Detection of Medical Images using Compressive Sensing (CS) based Encryption and Contourlet Domain Processing", Multimedia Tools and Applications, Springer, [ISSN: 15737721] -Indexed in SCIE, Scopus, ACM.

- Lakshmi H R, Dr. Surekha Borra, "Digital Video Watermarking Tools an Overview", International Journal of Information and Computer Security, Inderscience, [ISSN: 17441765], Indexed in Scopus, EI, ACM

- Dr. Surekha Borra, Rohit Thanki," A-FRT-SVD based blind medical watermarking technique for tele medicine application ", international journal of digital crime and forensics volume 11, issue 2

- Bhumika R, Harshitha G Bhat, Chandana K, Meghashree R.T, Dr. Sangappa S B, "Automated shopping trolley for billing system", International Journal of Advance Research, Ideas and Innovations in Technology | ISSN: 2451-132X| Impact factor: 4.295 Volume 5 Issue 2

- Mayanka Gupta, Anusha A Murthy, Kavya N, Chandana G, Mr. Sampath Kumar S, "Artificial Intelligence Based Solar Vehicle", | National conference on Electronics and Communication Engg, NCEC- 2019

- Pragathi Madhyastha. K. P, Rashmi Srinivasan, Sanjana S, Santhosh K, Mrs. Sahana Salagare, "Survey on Research challenges and Applications of Unmanned Marine Robot", |2019 IJCRT | Volume 7, Issue 1 March 2019| ISSN:2320-2882

- Mayanka Gupta, Anusha A Murthy, Kavya N, Ms. Lakshmi H.R, "Study and Simulation of Digital Multipliers using 180nm Technology ", International Conference on Applied Engineering and Management (ICAEM-18).

ACHIEVEMENTS BY FACULTY

- Dr. P.N Sudha, Prof and HOD was a Co- Ordinator for the event AASARE-5K Conducted by KSIT, Bangalore on 1st March 2019.

- Ms. Laxmi H.R Asst. Prof is Awarded with an "Young Scientist Award" in the event Women Achievers Award Conducted by NFED, Chennai on March 2019.

STUDENTS ACHIEVEMENTS: SPORTS

- Ms. Sadhvika Chandra R of 5th sem, took part as a NSS volunteer in the Sate Level Republic Day parade in Bengaluru

BEST PAPERS

- "IOT Based Camouflage Army Robot" presented by Skanda.H.N, Suvijith.S, Swati.K.S, Smitha.S.Karanth under the guidance of Dr. P N Sudha, Professor and HOD.
- "Unusual Event Detection Using Low Resolution Camera For Enhancing ATM Security" presented by Anurag Reddy.R, Harsha.N, Ankita.A.Raikar, Kishore Bhat.U under the guidance of Dr. P N Sudha, Professor and HOD.

ACHIEVEMENTS BY STUDENTS

- Varalakshmi has secured 1st prize in Shot put competition organized by K.S.I.T, Bangalore.

- Vaishnavi Sriharshan and Sanjana.S has secured 1st prize in 4*100 mtrs relay competition organized by K.S.I.T, Bangalore.

- Sanjana S has secured 3rd prize in 100 mtrs running competition organized by K.S.I.T, Bangalore.

- Vaishnavi Sriharshan has secured 3rd prize in 800mtrs running competition organized by K.S.I.T, Bangalore.

- Kavya M has secured 3rd place in 4*100 mtrs relay competition organized by K.S.I.T, Bangalore.

- Madhu G has secured 2nd prize in Mad-Ads during Ananya-2019 organised by K.S.I.T, Bangalore.

- Sahana D has secured 2nd prize in Ananya-2019 organised by K.S.I.T, Bangalore.

- Ritu P Simha has participated in 10km Pinkathon organized in Bangalore.

BEST PROJECTS

- "Secured Anti-Piracy Screen", carried out by Megha Sanjay Savalgi, Bhavana.K.M, Junaid Khan, Akshatha Shenoy.U under the guidance of Dr. Surekha B, Professor.
- "Automatic Driver Security System", carried by Chaithra.B, Kavya.M, Megha.V, Alaka under the guidance of Mr. Saleem S Tevaramani, Asst. Professor.
- "Smart Guide at Museum", carried out by K.Pruthvi Narayana, Enagu Girish, Pragnya.N, Pavithra.P under the guidance of Mr. Praveen A, Asst. Professor.

100% RESULTS

Digital Electronics	Mrs. Veda B
Electronic Instrumentation	Mr.Deekshith .B.N
Management and Entrepreneurship Development	Mrs.Bhargavi A
Verilog HDL	Dr. B.Sudharshan
Verilog HDL	Mrs. Aruna Rao B.P
Object Oriented Programming Using C++	Dr P Joy Prabhakaran
Operating System	Dr. B.Sudharshan
Cryptography	Mrs. Lakshmi. H.R
Satellite Communication	Mr. Saleem S Tevaramani
Satellite Communication	Mrs.Sangeetha.V
Engineering Mathematics–IV	Mrs . Jalaja . P
Engineering Mathematics–IV	Mr. Chowdappa M R
Signals and Systems	Mrs. Pragati.P
Control Systems	Dr.P.N Sudha
Cellular Mobile Communication	Dr. P.N Sudha
Digital Switching Systems	Mrs. Veda . B
Radar Engineering	Mrs. Sahana Salagare
Machine learning	Mrs. Jayasudha B.S.K
Radar Engineering	Mr. Saleem S Tevaramani

DEPARTMENT OF
TELECOMMUNICATION

ABOUT THE DEPARTMENT

Success is the sum of small efforts being repeated day in and day out. The key to success is hard work and determination. The foundation stones for such a balanced success of our department is the honesty, integrity, faith and loyalty of our human resource. The department imparts quality education to provide strong academic leadership and highest possible standards of excellence in all its activities. The department also drives the students to channel their goals and energy into action, the goals that enable them to do more for themselves and others.

I would like to acknowledge the hard work and eulogize the students for actively involving and winning in various activities. Best wishes for the academic year 2019-2020.

Dr.Chanda V.Reddy

DEPARTMENT WELCOMES

- Mr. Dinesh Kumar. D .S, Associate Professor
- Ms.Vidhya R, Assistant Professor

LATEST TECHNOLOGY

Green bullet, green ammunition or green ammo are nicknames for a United States Department of Defense program to eliminate the use of hazardous materials from small arms ammunition and from small arms ammunition manufacturing. Initial objectives were elimination of ozone-depleting substances, volatile organic compounds and heavy metals from primers and projectiles. These materials were perceived as causing difficulties through the entire life cycle of ammunition. The materials generated hazardous wastes and emissions at manufacturing facilities and use of ammunition caused contamination at shooting ranges. Potential health hazards made demilitarization and disposal of unused ammunition difficult and expensive.

EVENTS CONDUCTED

- A Guest Lecture on "Introduction to Python Programming and its Applications", was presented by Dr. Mahantesh K, Associate Professor, Dept of Electronics and Communication Engineering, SJBIT, Bangalore on 19 February 2019. The speaker briefed about Silting up environment to execute Machine Learning code using Anaconda, Jupiter and Spider.

- A Guest Lecture on "Career Path", was presented by Mr. Guru Sharan B S, Founder, Pathfinder NRI. It was organized on 8th March 2019. The speaker detailed in his talk about various career aspects like online social marketing for trading products and services.

- A Guest Lecture on "Data Structures using C++", was presented by Vipula Bhalla, Business Executive, Livewire, Marathalli on 15th March 2019. The talk mainly focused on introduction to data structures like Stacks, Queues, Linked List, Linear List and Binary Trees.

- A Guest Lecture on "Introduction to 5G", was presented by Mr. Mahesh Nayaka, Assistant Vice-President, Reliance JIO Infocomm Ltd, Bangalore, on 8th April 2019. The speaker enriched knowledge of students regarding evolution of Wireless Communication from GSM to 5G and also about the visions of 6G.

- A Technical Event "VANQUISH 2K19", was organized on 20th September 2019, as a tribute to Dr. Vikram Sarabhai. The event was organized in association with IETE and Telecom Forum. This event provided an opportunity for students to showcase their technical talent. The Chief guest who preceeded the event was Sri. S. Hirayanna, from ISRO. The event consisted of four rounds namely BRAIN-WRECK, PIC-DEB, CRYPTICS and WRAPIDDUP. There were around 250 entries from various departments.

- A Talk on "Digital Marketing, Data analytics and IoT", was presented by Mr. Bharath Gowda P S and Mr. Rahul Kumar, Programmers, Inversa Technologies, on 27th September 2019. The talk was centered on the relationship between Digital Marketing, Data Analysis and IoT.

- A Technical Talk on "Internet of Things and ThingWorx", was presented by Mrs. Anitha Senthil Kumar , Program Manager, Education from CADOPT Technologies Private Limited on 25th October 2019. The talk focused on the importance of Wireless Sensor Networks, Data analytics, Cyber Physical Systems, Big Data and Machine Learning.

EVENTS ATTENDED BY FACULTY-TEACHING

- Dr. Chanda V. Reddy, Dr. Manju V C and Mr. K Senthil Babu attended a Workshop on "New Approach to the Revised Assessment and Accreditation of NAAC", on 4th January 2019 at Global Academy of Technology, Bangalore.

- Ms. Rekha N and Ms. Devika B attended Symposium on "Future of Work", on 5th January 2019, organized by PES University in association with BITES, Bangalore.

- Dr. Chanda V.Reddy and Ms. Swetha B N attended Faculty Development Program on "Aspects of Effective Programming and Research", from 16th to 18th January 2019 at K.S Group of Institution in association with KSIT IEEE SB, Bangalore.

- Mr. Dileep J and Mr. Satish Kumar B attended Workshop on "VLSI Design using Verilog HDL", on 20th January 2019 at S.J.B. Institute of Technology, Bangalore.

- Mr. Dileep J attended Workshop on "A Practical Implementation of IoT using Python and Raspberry Pi", on 19th January 2019, at ISM UNIV, Bangalore.

- Ms. Srividya R attended Faculty Development Program on "Advanced Research Trends in Speech and Image Processing", from 21st to 25th January 2019 at MVJ College of Engineering, Bangalore.

- Mr. Dileep J and Mr. Satish Kumar B, attended Workshop on "Data Science Analytics", from 22nd to 24th January 2019 at Maven Silicon, Bangalore.

- Dr. Chanda V.Reddy, attended Workshop on "Outcome Based Education", on 1st February 2019 at Dr. Ambedkar Institute of Technology, Bangalore.

- Mr. Dileep J attended National Seminar on "Innovations in Science and Engineering", from 25th to 28th February 2019 at Sir M.V.I.T , Bangalore.

- Mr. Dileep J attended Workshop on "VLSI Analog Filters and Sigma Delta Converters", 21st February 2019, at VTU Regional Office, Bangalore.

- Ms. Devika B, attended an "International Conference on Data Science, Machine Learning and Applications (ICDSMLA-2019)", from 29th to 30th March 2019 at CMR Institute of Technology, Hyderabad.

- Ms. Rekha N and Ms. Srividya R attended Faculty Development Program on "Partial Differential Equations using MatLab", from 10th to 14th June 2019 at B.N.M. Institute of Technology, Bangalore.

- Mr. Satish Kumar B and Ms. Swetha B N attended Faculty Development Program on "IoT Based Project design and development" ,from 24th to 29th June 2019 at B.N.M. Institute of Technology, Bangalore.

- All faculties of the Department attended Faculty Development Program on "Outcome Based Education-NBA", from 17th to 19th July 2019 at K.S. Institute of Technology, Bangalore.

- Dr. Chanda V.Reddy attended Faculty Development Program on "MATLAB and LATEX", from 24th to 26th July 2019 at K.S. Institute of Technology, Bangalore.

- Mr. Dileep J attended Workshop on "Research Methodology", from 26th July to 4th August 2019 organized by VTU Human Resource Development Centre at Chikkaballapur.

- Ms. Devika B attended Faculty Development Program on "State of art RF and Wireless Communication Design", from 29th July to 2nd August 2019 at B.M.S. College of Engineering, Bangalore.

- Dr. Chanda V.Reddy attended Workshop on "Human Digitization: Future Intelligence", from 4th to 5th September 2019 organized by Indian technology Congress at NIMHANS Convention Centre, Bangalore.

- Ms. Devika B attended a Workshop on "Artificial Intelligence and Robotics", from 16th to 18th December 2019, organized by Karnataka Science and Technology Academy (KSTA), Bangalore.

EVENTS ATTENDED BY FACULTY-NON TEACHING

- All non-teaching faculty attended a training program on "Involve to Evolve", on 28th March 2019 at K.S. Institute of Technology, Bangalore.

- Mr. Ravi Kumar B attended a Workshop on "Analog and Digital Electronics Laboratory", from 10th to 14th June 2019 at BMS College of Engineering, Bangalore.

EVENTS ATTENDED BY STUDENTS

- Ms.Shriyukta Ram and Mr.Dhananjaya Kumar of 3rd year participated and won first place in the fashion show held by Vemana Institute of Technology, Bangalore on 13th April 2019.

- Ms.Shriyukta Ram and Mr.Dhananjaya Kumar of 3rd year participated and won second prize in the fashion show conducted by Dayanand Sagar School of Engineering and Management, Bangalore on 11th May 2019.

- Ms. Siri Mahesh of 2nd year, secured 1st place in State Level Dance Competition 'Navakalpanotsava' on 20th July 2019 held at Mysuru.

- Mr. Vadhiraj R of 3rd year volunteered the 1st ever exhibition of Mega Science Projects of India at Visvesvaraya Industrial and Technological Museum Banglore during September 2019.

- Mr.Vadhiraj R, Mr.Yashasvi Bhat, Mr.Ravitej K, Ms.Nisha Deepak and Ms.Priyanka S of 3rd year participated in the Indian Technology Congress-2019 on 4th and 5th September 2019 at NIHMANS Convention center, Bangalore.

- Mr.Dhananjaya Kumar, Mr.Ravitej K and Mr. Yashasvi Bhat of 3rd year secured first place in InnovacEEEa 3.0 jointly organized by IEEE Student Branch and Electronic & Communication department, KSIT on 30th September 2019.

- Mr. Vadhiraj R and Ms.Priyanka S of 3rd year participated in Mini Project Exhibition jointly organized by IEEE Student Branch and Electronic & Communication department, KSIT on 30th September 2019.

- Mr. Vadhiraj R and Ms.Priyanka S of 3rd year participated and won 2nd prize in mini- project exhibition organized by KSIT-IIC on 15th October 2019.

- Ms. Siri Mahesh of 2nd year, secured 3rd place in national level dance competation 'Kalpataru' on 11th November 2019 held at Banga lore.

- Mr. Vadhiraj R and Ms.Priyanka S of 3rd year participated in Prodothon 1.0 and exhibited "IGLOO" project on 14th November 2019 held at B.N.M. Institute of Technology Bangalore

- Mr. Vadhiraj R of 3rd year volunteered for Annular Eclipse Public viewing event organized by Jawaharlal Nehru Planetarium Bangalore on 26th December 2019

PUBLICATIONS BY FACULTY

- Ms. Rekha N published a paper titled "A Novel and Integrated Architecture for Identification and Cancellation of Noise from GSM Signal",in International Journal of Electrical and Computer Engineering (IJECE), Vol. 9, No. 5, October 2019, pp:4010-4019, ISSN: 2088-8708

- Ms. Srividya R published a paper titled "Implementation of AES Using Biometric",in International Journal of Electrical and Computer Engineering(IJECE), Vol. 9, No. 5, October 2019, pp:4266-4276, ISSN: 2088-8708.

PUBLICATIONS BY STUDENTS

- Ms. Sheetal J,Ms. Roopashree R and Mr. Vineeth R published a paper titled "Bridge Monitoring System", Journal of Emerging Technologies and Innovative Research (JETIR), Journal No: 63975, Volume 6, Issue.5, May 2019, ISSN: 2349-5162, under the guidance of Dr. Chanda V. Reddy.

ACHIEVEMENTS BY STUDENTS-PROJECTS

- The project titled "SMART HYDROPONICS", carried out by Ms. B V Navya, Ms. Archana P S and Ms. Abhilasha H V of 8th semester under the guidance of Mr. Senthil Babu K was selected for presentation at State Level Seminar and Exhibition (S&E) held at K.L.E. Dr. M.S. Sheshgiri College of Engineering and Technology, Udyambag, Belagavi on 26th and 27th July 2019. They also won first place in Project Exhibition.

- The project titled "BRIDGE MONITORING SYSTEM", carried out by Ms. Sheetal J, Ms. Roopashree R and Mr. Vineeth R, of 8th semester under the guidance of Dr. Chanda V. Reddy, was selected for presentation at State Level Seminar and Exhibition (S&E) held at K.L.E. Dr. M.S. Sheshgiri College of Engineering and Technology, Udyambag, Belagavi on 26th and 27th July 2019.

- The project titled "SMART HYDROPONICS", carried out by Ms. B V Navya, Ms. Archana P S and Ms. Abhilasha H V under the guidance of Mr. Senthil Babu K has received VTU-Financial assistance for Innovative Projects of final year undergraduate students in March 2019.

- The project titled "FABRICATION OF RECUMBENT SMART WHEEL CHAIR WITH RISK AVOIDANCE", carried out by Ms. Akshata G Joshi, Mr. Chetan R, Ms. Kshama B N and Ms. Shraddha U Birthi under the guidance of Dr. Manju V C has received VTU- Financial assistance for Innovative Projects of final year undergraduate students in March 2019.

ACHIEVEMENTS BY STUDENTS-SPORTS

- Mr. Prajwal A of 3rdyear participated in Softball tournament in Sphygmus 2018-2019 held from 11th to 14th February 2019 organized by Jyoti Nivas College Autonomous .He secured runner up place.

- Mr. Karthik Narayan L of 4th year participated in Interzonal Single Zonal Tournament 2019-2020 organized by Visveswaraya Technological University held at M.S.Ramaiah Institute of Technology, Bangalore .
  Few of his achievements in the Tournament are:

  - Secured the second place in 100m Backstroke.
  - Secured the second placein 200m Backstroke.
  - Secured the third place in 400m Individual medle.
  - Secured the third place in 50m Backstroke.

- Mr. Karthik Narayan L of 4thyear participated in State Senior Aquatic Championship 2019 organized by Karnataka Swimming Association.It was held at held at Corporation Swimming Pool, Basavanagudi, Bangalore from 30th July to 1st August 2019. He represented Basavanagudi Aquatic Center and secured first place in waterpolo.

- Mr. Prajwal A of 3rdyear participated in VTU Bangalore Zone Inter College Softball tournament 2019 held on 9th and 10th October 2019 at Acharya Institute of technology.He secured Runner up place.

- Mr. Prajwal A of 3rd year, participated in Inter Zone Softball tournament 2019-20 held from12thto14th October 2019 at Don Bosco Institute of Technology .He secured fourth place..

- Mr. Prajwal A of 3rdyear participated in 22nd VTU inter-collegiate athletic meet 2019 Organized by Guru Nanak Dev Engineering College, Bidar from 22nd to 28th October ,2019.

- Mr. Karthik Narayan L of 4th year participated in All India Inter-University Aquatic championship 2019 organized by Lovely professional University Phagwara, Punjab from 28th to 31st October,2019.

CONGRATULATIONS :

Dr. Chanda V .Reddy,for being awarded a Doctorate from VTU,Belagavi,for the thesis titled "**Bit Loading Algorithm with optimised bit rate and power allocation in wireless communication**".

100% RESULTS

Mr. Senthil Babu K	**Fiber optics and Networks.**
Ms. Devika B	**Ad hoc Wireless Networks.**
Dr. Manju VC	**Machine Learning.**
Ms. Srividya R	**Computer Communication Networks.**
Mr. Dileep J	**Management and Entrepreneurship Development.**
Ms. Rekha N	**Image Processing.**
Dr. Manju VC	**Operating System.**
Ms. Srividya R	**Data structures using C++.**
Mr. Senthil Babu K	**Digital Signal Processing.**
Ms. Srividya R	**Object Oriented Programming using C++ .**
Ms. Devika B	**Electronic Instrumentation.**
Dr. Manju VC	**ARM Microcontroller and Embedded Systems.**

ABOUT THE DEPARTMENT

Basic Science and Humanities are pivotal for Engineering education. The subjects taught in the first year help the students in understanding and application of their respective streams efficiently. The strong basic foundation laid by the basic sciences help the students to become a successful engineer. Mathematics, Physics and Chemistry exists as separate divisions and maintain individual identity. The unique strength of the department is the excellent coordination in carrying out the academic responsibilities. The department has well equipped laboratories, class rooms and experienced faculty to facilitate the students. Strong basics along with ethical values will lead them to be successful engineers.

Ms.Jalaja.P
Head of the
Department of
Mathematics

Mr.Sunil Kumar.N
Head of the
Department of
Physics

Dr.S.R.Kiran Kumar
Head of the
Department of
Chemistry

DEPARTMENT WELCOMES

- Mr. Jagannath, Assistant Professor- Physics

LATEST TECHNOLOGY

VANISHING POLYMERS

Researchers from the Georgia Institute of Technology in Atlanta have developed a polymer–additive system that can vanish in an instant by triggering its own depolymerisation. Typical polymers are stable at room temperature, but these [poly aldehydes] have to be synthesized at a very low temperature because they are fundamentally unstable at room temperature. The researchers then developed additives that can deliver the self-destruct prompt. The trigger is a photo catalyst that responds to UV or visible wavelengths of light and initiates the bond-breaking attack

that leads to rapid depolymerisation of the whole material. The depolymerisation and evaporation process can take anywhere from under a minute to a couple of hours, depending on the technique used and the time of day the device is triggered. The group has also figured out how to put this self-destruction on a time delay so that is not triggered for a specific number of hours.The material has been used to create small sensors comprised of a printed circuit board made out ofpolyphthalaldehyde with silver or copper nano particles as the conducting connections. On exposure to light, the polymer binder disintegrates and the circuit board disappears.
. The team has also used the material to demonstrate a parachute that could transport cargo for a hundred miles or even more before it is delivered and disintegrates.

In order to disappear or break apart, polymers' "ceiling temperature" must typically be below the ambient temperature. Common polymers have a ceiling temperature above ambient temperature and even when they are warmed remain stable, with some of the materials take a long time to decompose.

In the case of the latest polymer developed by Kohl, it's a low-ceiling temperature polymer, so once one bond breaks, it creates a domino-effect where all the other bonds quickly fall apart, causing the material to vanish.

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EVENTS ATTENDED

- Ms.Shylaja.K.R , "Recent trends in Nanoscience and Technology". Faculty development program, DSATM, 7th to 9th March,2019.

- Ms.Radhika.N.P , "Recent trends in Nanoscience and Technology". Faculty development program, DSATM, 7th to 9th March,2019.

- Dr.S.R.Kiran Kumar , "Sustainable Technology". Workshop, VTU regional office, Bengaluru, 28th March,2019.

- Ms.Sridevi.B.R, "Latest Advancements And Future trends in Engineering". Science and management, Sambhram Institute of Technology, 3rd and 4th May,2019.

- Ms.Jalaja. P, "Computational methods For partial Differential equations Using MATLAB". BNM Institute of Technology, 10th to 14th June,2019.

- Ms.Jalaja. P, "Mathematics in Industries". Department of Science and Humanities, PES University,22nd June,2019.

- Dr.S.R. Kiran Kumar, "Outcome based Education-NBA". Faculty development program, KSIT, Bengaluru, 17th to 19th July,2019.

- Ms. Jalaja. P, "Outcome based Education-NBA". Faculty development program, KSIT, Bengaluru, 17th to 19th July,2019.

- Ms.Sridevi.B.R, "MATLAB and LATEX". Department of Mechanical Engineering ,KSIT, Bengaluru, 24th to 26th July,2019.

- Ms.Jalaja.P, "MATLAB and LATEX". Department of Mechanical Engineering ,KSIT, Bengaluru, 24th to 26th July,2019.

PUBLICATIONS BY FACULTY

- Dr.S.R. Kiran Kumar ,"Facile Synthesis of nanocrystalline beta-$SnWO_4$ investigation of efficient catalyst for photocatalytic activities, Bio sensing and high performance anode material for Li-ion battery", Elsevier-Powder Technology, 2019.

- Dr.S.R. Kiran Kumar ,"Mesoporous carbon Nano spheres developed by using natural bio-resources as highly responsive and selective determination platform for dopamine", Springer-International Nano Letters,2019

- Ms.Jalaja.P, "Modelling of flow in supersonic ejector for double chocking criteria for refrigeration systems". ICRAAS- REVA University,17th and 18th October,2019.

- Ms .Sridevi.B.R, Effect of Annealing on vacuum evaporated Zinc Phthalocyanine thin films", International Journal of Scientific research and Review",2019.

ACHIEVEMENTS BY FACULTY

- Dr.S.R. Kiran Kumar, Assistant Professor, completed Ph.D. on "Development of metal oxide modified electrodes for electrochemical sensor applications", 2019.

- Dr.S.R. Kiran Kumar,Assistant Professor, was awarded "Excellent Young Scientist in Nanotechnology and Electrochemistry ", World research council and United Medical Council, Trichy, Tamilnadu, 26th February,2019.

- Dr.S.R. Kiran Kumar,Assistant Professor, accredited member of World Research Council, for academic year 2019-20.

100% RESULTS

1st Sem

Mr. Kaushik.M.M	Elements of Mechanical Engineering	EC 'B'
Dr.S.R. Kiran Kumar	Engineering Chemistry	EC & TC
Mr. Gautham	Elements of Mechanical Engineering	EC & TC

2nd Sem

Mr. Kaushik.M.M	Elements of Mechanical Engineering	CS 'B'
Mr. Praveen C Jois	Engineering Physics	EC & TC
Mr. Shashi Kumar.B.R	Elements of Civil Engineering	EC & TC
Mr. Venkataramana	Calculus and Linear Algebra	EC

MAGAZINES

March 2020
Vol. 73, No. 3
cover: Computational modeling connects dynamics on a hierarchy of length and time scales. In this computational fluid dynamics simulation, artist and scientist–programmer Mark J. Stock turns initially banded colors into intricate system-scale flows by simply and repeatedly exchanging the properties of individual adjacent pixels. To read about how physics-based multiscale models capture the unique and counterintuitive behaviors of polymeric liquids and solids, see the article by Jay Schieber and Markus Hütter on page 36. (Detail from CF126_480, 2020, courtesy of Mark J. Stock.)

TRAINING & PLACEMENT

ABOUT THE DEPARTMENT

It gives me an immense pleasure to pen down few words for the college newsletter Chinthana Manthana. Today education means much more than merely acquiring knowledge. It is acquisition of knowledge and skills, building character and improving employability of our young talent, the future leadership. Measures initiated by the Hon. Management, steps taken by the college administration, the willing contribution of teaching and non – teaching staff and over whelming response and enthusiastic participation of our students in the college activities in the recent past all vouch for this. When all the constituents come together and work in unison, the expected results are bound to flow.

Dr. Ranjana Jain

PROMINENT DRIVES WHERE STUDENT GOT PLACED

Adobe	HSBC The world's local bank	Infosys®
9.5 LPA	7.00 LPA	6.00 LPA

UNISYS imagine it. done.	BOSCH	SEG AUTOMOTIVE
4.50 LPA	4.00 LPA	4.00 LPA

SAP®	
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 2019.

2) **SEMINAR ON** – GRE & GMAT Test Preparation by Manya Education PVT Ltd (Princeton Review) – for 6th sem students on 19th May 2019.

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 2018 to May 2019.

PERSOLANITY DEVELOPMENT TRAINING PROGRAM @KSIT

MPHASIS ON CAMPUS RECRUITMENT DRIVE @KSIT

TAYANA SOFTWARE ON CAMPUS RECRUITMENT @KSIT FOR

27

Mindtree ON Campus Recruitment Drive at KSIT

Unisys ON Campus Recruitment Drive at KSIT

LIBRARY

ABOUT THE DEPARTMENT

KSIT library has a resource centre for teaching, learning and research. Being the heart of the academic centre, it's home for all information services. The library provides continuous access to knowledge and information to the students and the faculty alike for achieving excellence in their chosen discipline. The Library at KSIT is spread over two floors with a seating capacity of 200, state-of-art Digital library, Discussion room, Stack area, Reference section, Circulation counter OPAC search, Journals/ Magazines and News papers sections which are made readily available.

Dr. V Bharathi

COLLECTIONS		
BOOKS		
	UG	PG
VOLUMES	35024	584
TITLES	4766	172
PRINT JOURNALS	21	
E-RESOURCES		
E-JOURNAL	5700	
E-BOOKS	23348	

NATIONAL SERVICE SCHEME

- The National service scheme with a moto " Not me but you" has a purpose which has been included in the soul and spirit of the volunteers at KSIT.

- The students belonging to NSS and RED CROSS UNIT of KSIT organized a Blood donation camp on 13th April, 2019. All the volunteers and the donors made the event successful by donating blood where every drop counts.

- On 9th August, 2019, the NSS volunteers took part in the "RALLY FOR RIVERS" organized by the EESHA Foundation (Shri Sadguru Jaggi Vasudev) to save the river Cavery from depleting. The rally served the purpose of raising awareness about how the climate change has resulted in depletion of the river Cavery. The event was held at Palace ground, Bengaluru. All the volunteers actively took part in the rally and brought success to the event.

- On the 15th August, 2019, the NSS Volunteers of KSIT celebrated Independence Day. The event included the hoisting of the National flag and all the students sang the National Anthem.

- The NSS volunteers organized a Nutritional Diet Awareness program on 14th September, 2019. The students were seen explaining the important nutritional requirements for a person as part of a healthy diet. The event was held at KSIT, Bengaluru.

- The students of NSS KSIT took part in a cleaning and planting program at a Government School in Yelechanalli on 16th September, 2019. This activity helped to provide a cleaner environment in and around the school campus. The planting of trees also raised awareness about the importance of nature.

- The "HASIRU ABHIYANA" Program was attended by the NSS VOLUNTEERS of KSIT. The students planted rows of trees and thus raised awareness about importance of trees and nature. The program took place at Malur, Kolar district. With the dedicated involvement of volunteers, the program was a huge success.

- The "HINDU SEVA PRATISTANA" organized the "SEVATHON" on 15th December, 2019. This event was attended by the NSS UNIT of KSIT where the students marched with the aim to uplift under-served people with special needs. The event was conducted at National College, Bengaluru.

- The NSS UNIT of KSIT organized the "GRAMA SWARAJYA" Camp from 5th to 11th February, 2020. This special camp was conducted for 7 days at Golahalli, Kanakpura Taluk of Ramanagara District, where the students worked for the welfare of 'GRAMA' translated to village.

INDUSTRIAL VISITS

On the 5th of November 2019 the students of 5th semester A & B section, mechanical engineering department had the opportunity to visit SOLAR POWER PLANT,KARNATAKA POWER CORPORATION LTD, Shivanasamudram, Mandya Dist. Almost 86 students along with 5 teaching and 3 non-teaching staffs visited the plant. All the students left the college at 8 a.m and reached the site at 10.30a.m then taken the permission from executive engineer of shivanasamudra plant. The plant capacity is 5MW and 10MW,Students visited 10MW capacity plant; Mr.Subhas, plant supervisor explained the plant design, capacity, power generation, supply of power to various cities. Student got the information on solar radiation, measurement of solar radiation, wind speed calculation, solar panel structure and capacity, maintenance etc.

The visit to the solar power plant was thought provoking and an experience beyond the theoretical knowledge.

For all the 4th semester students, an industrial visit to Mrudani Power Controls was conducted by ISTE on the 23rd of February 2019.8th March 2019 marks International Women's Day and was celebrated duly by the KSIT IEEE student branch by having Mrs.C. Saraswathi Nagarajan, System Engineering Consultant, UG Academy and Ms. Purnima Nambiar Founder & CEO of Trimtab Intervention as chief guests for the event. An industrial visit to National Aerospace Laboratories (NAL) Bangalore was conducted by IEEE to all the 6th semester students on the 7th of March 2019. An industrial visit was conducted for the 3rd semester students on the 26th of September and 28th of September for the 5th semester students to the pristine National Aerospace Laboratories (NAL) accompanied by Mr. A Somanarayanan.

The Main objective of the Industrial Visit is to give an exposure to the students studying in CSE in learning new technologies which helps them to carry out projects either in CSE domain or in interdisciplinary domains. The students of 4th, 6th and 8th semester of CSE Department had an opportunity to visit IISc, Bangalore and participate in many of the events on 23rd March 2019.. The following are the list of exhibition and events ,Game of codes ,Bet to code , Hackathon, Sessions on next generation networks – Open, Intent based and programmable ,Session on power efficient method for tackling machine learning workloads with next generation with AI processors etc.This gave an experience to real life problem statements, knowledge and challenges faced in Industry. A Demo was arranged on Artificial intelligence and AI processes followed by the Decisions on AI model.

Visit to HAL Heritage Center and Aerospace museum was informative. It increased our knowledge about different aircraft, solar power generator, orchidarium and also got to know more about PSLV (Polar Satellite Launch Vehicle) and RADAR (Radio Detection & Ranging) models and motion simulator. This visit made us more curious to gain more and more knowledge about different aircrafts and their design. We got to know about various scientists & politicians who visited HAL aircraft manufacturing wing during past few decades. Visit to "Vigyan Samagam", Visvesvesvaraya Engineering and Technological Museum was informative. We got insight into some very interesting projects and were a very knowledge experience. There were volunteers to explain the models in detail. This visit made us more curious to gain more and more knowledge about different government projects and their design.

SPORTS

Department of Physical Education & Sports organized the Annual Sports Day- 2018-19 held on 16th March 2019, UCPE Stadium Bangalore University Jnana Bharathi. It was inaugurated by the Chief Guest Mr Rudresh B - Journalist (Senior Producer TV-9), Kho-Kho player in his address emphasized the importance of sports in every student's life. The Guest of Honour Mr Hemanth Kumar R, Kabaddi player, Alumni of KSIT, Dept of CSE 2012-15 & Miss.Bhavya P Kabaddi Player, Alumni of KSIT, Dept of ECE 2013-17. They had advised the students to give importance to academics and sports as well, to excel in their career. President Ramachandra Naidu, Secretary Venkatesh Naidu, Dr. T.V. Govindaraju, Principal/Director, & all the department HOD's, staff members & students were present on this occasion. In the Inaugural Address by the Treasurer Rukhumangada Naidu, KSGI, highlighted the importance to sports and extended a note on facilities available in the college and the encouragement by the Kammavari Sangham.

Inauguration

Team Championship 2019

Individual Championship Male - 2019

Individual Championship Female - 2019

Sports Achievers Of 2019

Sports Achievers Of 2019

INAUGURATION

A really good Inaugural program marks the beginning of a great and a remarkable academic year. With this enthusiasm, on the pleasant morning of 10th August, 2019,the much awaited Inauguration ceremony began. As chief guest we had Sri Sri Dr. Veereshananda Saraswathi Swamiji of Ramakrishna mutt, Tumakuru and Sri Katta Subramanyam Naidu. As guest of honour we were very fortunate to have Sri K. Krishna one of the founding pillars of KSIT ,were welcomed with a soothing invocation song. A gathering of parents and students were very eagerly waiting for the talk about the promise of 4 years their kids would be embarking upon. Following this was an award ceremony for our hardworking faculty, thanking them for their immense efforts in the betterment of our education. After an influential speech given by Sri. Katta Subramanyam Naidu, the IEEE student group presented a small, factual talk on the merits of the association.

A delicious lunch that had been arranged was awaiting us after the speech. Our principal presented us with a set of guidelines on examination and test schedules, following which, the rules and regulation of the college were laid out for the students. Thanking our principal Dr. T. V. Govindaraju for this joyful day, our batch of first years were now ready for the first day at Kammavari Sangham Institute of Technology.

ALUMNI MEET

The Alumni Meet at KSIT was organized on 10th November 2019 in KSIT at the college conference hall at 11.00 am. The chief guest for the meet was Ms.Sree Lalitha.V , a 2010 passed out student currently working as Deputy Manager, Continental India Pvt.Ltd. and as guest of honor 2014 passed out student Mr.Nagendra B.M an Alumni of 2014 and working as Script Writer and Content Director for Kannada Film and TV Industires. The event was precided by Dr.K.V.A.Balaji, CEO of the K.S.Group of Institutions, Dr.T.V.Govindaraju Principal of K.S.I.T(Rector of Alumni Association) and Dr.K.Ramanarasihma, Principal of KSSEM

ANANYA

Every celebration has its moment of silence, a moment which stands out even more because of its nature. Every silence has some meaning. Amid the shouts and cheers of Ananya, there was an event that came in and created an euphoria in the students. Ananya the name spells magic, the annual cultural extravaganza of KSIT spells magic on the stage as the students put up performances from dance, drama, singing, face painting, nail art, fashion show to name a few. This year the theme for Ananya was dedicated to **"Media"** . Ananya a week long cultural extravaganza culminated on 25th to 30th of March 2019. The event was inaugurated by Mr. GowrishAkki, Ms. Sonu Gowda, Mr. Kari Subbu, Mr. Subramanya S Hadige, Mr. G.D. Naidu and Mr. Ramachandra Naidu on 30th of March 2019   by the chief guests .The students participated in various cultural activities and showcased their hidden talent.

ANANYA 2K19

TOPPERS

MECHANICAL

Guruprasad C (9.45 SGPA)
1KS15ME026 (8th Sem)

Athul Bharadwaj V P (9.3 SGPA)
1KS15ME014 (8th Sem)

P Vignesh (8.42 SGPA)
1KS16ME054 (6th Sem)

Shaik Moinuddin (8.23 SGPA)
1KS16ME075 (6th Sem)

Darshan Gowda S (9.15 SGPA)
1KS17ME019 (4th Sem)
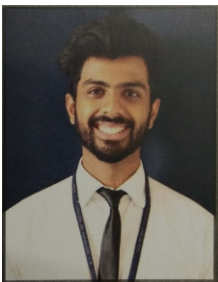
Sandeep S P (8.82 SGPA)
1KS17ME065 (4th Sem)

Anirudh R (8.90 SGPA)
1KS18ME004 (2nd Sem)

Varun M (8.75 SGPA)
1KS18ME079 (2nd Sem)

COMPUTER SCIENCE

Darshan.S.K (87.20%)
1KS15CS024 (8th Sem)

Sindhu Bhairavi G.K. (84.67%)
1KS15CS100 (8th Sem)

Sandhya.D. (83.62%)
1KS16CS083 (6th Sem)

Niharika Rajaram(81.37%)
1KS16CS053 (6th Sem)

Chandana.B.R. (88.75%)
1KS17CS018 (4th Sem)

Indrasena Kalyanam (88.25%)
1KS17CS030 (4th Sem)

R Prathiksha (90%)
1KS18CS076 (2nd Sem)

Sujay G S (89.5%)
1KS18CS103 (2nd Sem)

TOPPERS

ELECTRONICS AND COMMUNICATION

Swathi K S (9.45 SGPA)
1KS15EC101 (8th Sem)

Smitha S Karanth (9.05 SGPA)
1KS15EC095 (8th Sem)

Pooja K (9.15 SGPA)
1KS16EC061 (6th Sem)

Bhoomika P M (8.85 SGPA)
1KS16EC017 (6th Sem)

Rachana S (9.36 SGPA)
1KS17EC075 (4th Sem)

M Sirisha (9.25 SGPA)
1KS17EC050 (4th Sem)

Sanjana B (9.75 SGPA)
1KS18EC078 (2th Sem)

Dheeraj M S(9.55 SGPA)
1KS18EC023 (2th Sem)

TELECOMMUNICATION

Muthu Priyadarshini (87.86%)
1KS15TE022 (8th Sem)

Vineeth.R (86.86%)
1KS15TE053 (8th Sem)

Haripriya G B (78.13%)
1KS16TE013 (6th Sem)

Ranjini.N.V (75.13%)
1KS16TE026 (6th Sem)

Ravitej.K (80.75%)
1KS17TE032 (4th Sem)

Mohan Prasanna.B (80.13%)
1KS17TE020 (4th Sem)

Harshitha.S (9.05 SGPA)
1KS18TE012 (2th Sem)

Jeevani.B (8.95 SGPA)
1KS18TE013 (2th Sem)

GRADUATION DAY

K.S Institute of Technology (KSIT), Bengaluru organized its graduation day ceremony at the institute premises on 24th March 2019 around 10:30 AM. Graduates who passed out in the year 2018 received their graduation certificates. The venue was well decorated. The dignitaries of the ceremony, Chief guest Prof Karisiddappa Hon'ble Vice Chancellor,VTU,Belagavi, Guest of Honour Prof. H.P.Khincha, President Sri Y Ramachandra Naidu, Secretary Sri. K. Venkatesh Naidu, Treasurer Sri. D. Rukmangada, CEO Dr. K. V. A. Balaji, KSIT Principal Dr. T. V. Govindaraju, HOD-CSE Dr. Rekha. B. Venkatapura, HOD-ECE Dr. P. N. Sudha, HOD-ME Prof. M. Umashankar, HOD-TCE Dr. Chanda V Reddy entered the Quadrangle in procession (police band playing Jaya Bharatha Janani song) and took their seats on the dais. Invocation song by students of various departments. The dignitaries and the crowd were welcomed by our Principal Dr. T. V.Govindaraju with a welcome speech to VTU Rank Holders, Graduates and Post Graduate students, highlighting the significance of the ceremony. He emphasized the past achievements of our institute. During the ceremony, the graduation was awarded to VTU Rank Holders, Doctor of Philosophy, Post Graduates, Graduates of Master of Technology, and Graduates of Bachelor of Engineering. The graduates of all departments were called out by the respective HODs and the graduation was awarded to the students by the Chief Guest Prof Karisiddappa Hon'ble Vice Chancellor, VTU, Belagavi, Guest of Honour Prof. H.P.Khincha. Around 400 graduates along with their parents attended the ceremony to celebrate their success. After handing out the graduation, Chief Guest Prof Karisiddappa Hon'ble Vice Chancellor, VTU, Belagavi, Guest of Honour Prof. H.P. Khincha shared their word of wisdom on technological advancement and life values. The graduates lead by our Principal Dr. T. V. Govindaraju took a pledge to use their degrees and knowledge for the betterment of our society. The Principal gave the vote of thanks followed by Secretary declaring the graduation ceremony dissolved, and after the National Anthem, the procession returned followed by the graduates. Photo Session of all the department graduates was organized after the Graduation Ceremony.

UPCOMING EVENTS

GRADUATION DAY	EMANATION 2020
ANANYA 2020	VANQUISH 2020
INAUGURATION DAY	ENGINEERS DAY
ISTE STUDENT CONVENTION	SPORTS DAY
TEACHERS DAY	EQUINOX
NSS CAMP	WORKSHOP

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