CHINTHANA MANTHANA

Think Beyond Imagination....

VISION

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

MISSION

- To create relevant infrastructure.
- To attract and retain highlyqualified, experienced & committed faculty.
- 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.

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In this Edition

Sri Y Ramachandra Naidu
President

Sri K Venkatesh Naidu
Secretary

Sri D Rukmangada
Treasurer

We are proud of our accomplishments for the academic year 2020 - 21. 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 reminders of 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 13th and 14th edition of **CHINTANA MANTHANA.**

Dr. K V A Balaji
CEO

I am delighted to note that the 13th and 14th edition of **CHINTANA MANTHANA** is being brought out by the wonderful editorial team of KSIT. Through their dedicated and relentless efforts, they are showcasing all the activities that occur 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 effect in developing staff and students in curriculum and co-curricular activities to be the 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 the editorial team for their wonderful presentation of facts and figures in this edition of the newsletter.

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 in the future and others. 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 or attended in the college. The commemoration and celebrations are an important aspect of our educational life; there are articles that showcase 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 that 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

DEPARTMENT OF MECHANICAL ENGINEERING

ABOUT THE DEPARTMENT

Mechanical Engineering is one of the eminent discipline that combines engineering physics and mathematical principles with material science to design, analyze, manufacture and maintain mechanical systems. A facility of repute, excellent faculty and a good student community has contributed to make the department vibrant and stiving hard to achieve excellence in the area of academics and research. The members of the faculty are actively involved in the Research and Development, have published papers in International & National Journals and conferences. The department also encourages the students to take part in sports and cultural activities. The Faculty and students are actively involved in SAE BAJA and Gokart activities which have attracted the attention in the National level. The department is organizing seminars, technical talks and industrial visits regularly to benefit the students. With all these activities, the department is moving forward with a positive attitude.

- Prof. M. Umashankar

DEPARTMENT WELCOMES

- Mr. Saleem Khan, Assistant Professor
- Mr. Rajesh G L, Assistant Professor

LATEST TECHNOLOGY

ARTIFICIAL INTELLIGENCE IN MECHANICAL ENGINEERING

Artificial Intelligence is at the core of the Industry 4.0 revolution. Artificial Intelligence algorithms can optimize production floors, manufacturing supply chains, predict plant/unit failures, and much more. For instance, in 2018, Artificial Intelligence helped in reducing supply chain forecasting errors . Moreover, using Machine Learning based quality testing is increasing defect detection rates by 90%.

Artificial Intelligence in Mechanical Engineering

In the near future, most human-intensive tasks will be accomplished by machines. Therefore, it becomes essential for mechanical engineers to up-skill themselves and gets acquainted with the technology.

Applications of AI and ML in Manufacturing

Manufacturers are always keen to adopt technology that improves product quality, reduces time-to-market, and is scalable across their units. Artificial Intelligence, Machine Learning, and Robotic Process Automation are helping manufacturers fine-tune product quality and optimize operation. These are the 3 most common applications of Artificial Intelligence and Machine Learning.
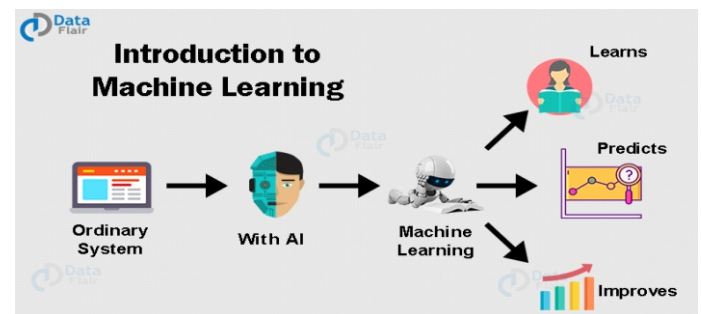
Predicting mechanical failure

Predicting mechanical failure is also beneficial for industries like the airline industry. Airlines need to be extremely efficient in operations and delays of even a few minutes can result in heavy penalties. Situations like delay in taxing will result in severe fines for airlines, the primary reason for taxing delays results from airplanes experiencing mechanical failures or environmental situations that result in cascading delays.This is directly related to sequential data. For making sense of sequential data, we can use machine learning models to predict such events. By continuously monitoring data (power plant, manufacturing unit operations) and providing them to smart decision support systems, manufacturers can predict the probability of failure. Predictive maintenance is an emerging field in industrial applications that helps in determining the condition of in-service equipment to estimate the optimum time of maintenance. ML-based predictive maintenance saves cost and time on routine or preventive maintenance

AI for automatically segmenting brain tumors

Artificial Intelligence has a broad scope in healthcare devices and applications. It can make analysis, treatment, and monitoring of tumors more effective. For example, NVIDIA has developed a 3D MRI brain tumor segmentation using deep-learning and 3D magnetic resonance imaging technologies. "Automated segmentation of 3D brain tumors can save physicians time and provide an accurate reproducible solution for further tumor analysis and monitoring."

Reducing test and Calibration time

Data science-based analytics can help manufacturers with the prediction of calibration and test results to reduce the testing time while production. For example – Bosch, a German multinational engineering and technology company used Artificial Intelligence techniques like early prediction from process parameters, descriptive analytics for root-cause analysis, and component failures prediction to avoid unscheduled machine downtime and achieved 35% reduction in test and calibration time.

Students who are trained in mechanical engineering and have an understanding of Machine Learning are valued in companies across the world. These are students - employees who do not need to be trained to understand the intricacies of a Navier-stokes equation nor will they need to be given a crash course in supervised and unsupervised learning. The demand for such students is always high, and meet the grueling demands of the industry.

Events Conducted

- A Workshop on **"Dress Elements of Engineering Components using finite element analysis"** conducted on 20th to 25th January 2020. 30 Final year students participated in this workshop to enhance their knowledge in FEA. **Mr. Nagabhushana M** highlighted the Gap between the industry and academic exercises in the college which was very informative and useful for both students and faculty.

- A Workshop on **"Fundamentals of GD&T, hands on training on 2D & 3D drawing using AUTO CAD software"**, was conducted from 27th Jan to 1st Feb 2020, **Mr. Madhu G and Mr. Harish U** faculties engaged the students complete week. Students had an excellent training session where they worked hands on AUTOCAD software. Students displayed confidence in developing mechanical 2D models and part models using various tools and commands of the software.

- Technical talk on **"Importance of Design and Analysis software's in Mechanical Engineering"** was conducted on 17th February 2020. **Mr. Gopalappa** of Canter CaddIndia Pvt Ltd explained the importance of Design and Analysis Software's in the field of Mechanical Engineering for 5th Semester students. The technical talk was an eye opener for all mechanical engineering students. The importance of design and analysis software's was duly recognized and students were very keen to enrol in training courses which enhances their knowledge of these software's.

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- Two Day Workshop on **"Importance of Hypermesh in Analysis"** was conducted on 25th to 26th June 2020, the final year students were given hands on training with the software which was very useful and informative.

- One Week Online FDP on **"Recent Advances & Trends in Mechanical Engg., & Material Science"** was conducted from 27th to 31st July 2020, **Dr. Amarnath** from IITM, **Mr. B V Venugopal** from CMTI, **Dr. Ranganath R** from SJCIT, **Mr. Ravi P S** from Quest Global, **Dr. Bharath K N**, from Washington State university, **Dr. C S Ramesh**, from Presidency University , **Dr. P S Shiva Kumar** from SDM college of Engineering & Technology, **Dr. K. Rama Narasimha** from KSSEM were the Resource persons for this FDP. All the sessions were very informative with respect advances in Mechanical field and Material Science.

- Online Technical Talk on **"How to enhance quality of final year project work?"** was organised on 10th Oct 2020. The talk was very helpful for the students in selecting innovative project works.

Events Attended by Faculty

- Prof. M. Umashankar attended One week AICTE Sponsored short term Technical program series 1 to 4 **"Introduction to Tribology and surface Engineering"** at Saintgits College fo Engineering, Kottayam, Kerala from 17th to 22nd Aug 20201, 4th to 19th Sep 2020,12th to 17th Oct 2020 and 23rd to 28th Nov 2020.

- Prof. M. Umashankar attended One week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science"**, at K.S. Institute of Technology, Bangalore from 27th to 31st July 2020.

- Prof. M. Umashankar attended Five Day's FDP on **"Advances & Research in Mechanical Engineering"**, at K.S. School of Engineering and Management, Bangalore from 20th to 24th July 2020.

- Prof. M. Umashankar attended One week FDP on **"Advances in Mechanical Engineering"**, at Jyothy Institute of Technology, Bangalore from 11th to 15th July 2020.

- Prof. Nagabhushana M attended One week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science"**,at K.S. Institute of Technology, Bangalore, from 27th to 31st July 2020.

- Prof. Nagabhushana M attended Workshop on **"Importance of Hypermesh on Analysis"** at K.S. Institute of Technology, Bangalore from 25th to 26th June 2020.

- Prof. Prasad K attended Workshop on **"Importance of Hypermesh on Analysis"** at K.S. Institute of Technology, Bangalore from 25th to 26th June 2020.

- Prof. Prasad K attended One week FDP on **"Advances in Mechanical Engineering"** at Jyothy Institute of Technology, Bangalore from 11th to 15th July 2020.

- Prof. Prasad K attended One week FDP on **"Thermal Engineering"** - I ,Alasu Engg,. College, Kumba Konam, Tamilnadu, from 14th to 19th Dec 2020.

- Dr.Nagaprasad K S attended One week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science"**, at K.S. Institute of Technology, Bangalore from 27th to 31st July 2020.

- Dr. Girish T R attended One week FDP on **" Recent Advances & Trends in Mechanical Engineering & Materials Science"**, at K.S. Institute of Technology, Bangalore from 27th to 31st July 2020.

- Dr. Girish T R attended 5 Days FDP on **"Advances and Researches in Mechanical Engineering"** at K.S. School of Engineering and Management, Bangalore from 20th to 24th July 2020.

- Dr. Girish T R attended Workshop on **"Importance of Hypermesh on Analysis"**, K.S. Institute of Technology, Bangalore from 25th to 26th June 2020.

- Dr. Girish T R attended One week certificate course on **"Composite Materials and its Characterizations"** at Dr. Ambedkar Institute of Technology, Bangalore from 22nd -26th , June 2020.

- Dr. Girish T R attended one week FDP on **"Role of Teachers in Quality Enhancement & Accreditaion"**, SEC, Nandyal, from 5th to 11thJune 2020.

- Dr. Nirmala L attended One week International FDP on **"Research challenges in Mechanical engineering"** at SVCET, Chitoor from 22nd to 27th, Sep 2020.

- Dr. Nirmala L attended 3-Day Webinar Series on **"Academics vs Industry Collaboration Best Practices"** at Bangalore Institute of Technology, Bangalore from 7th to 9th Aug, 2020.

- Dr. Nirmala L attended workshop on **"Contemporary developments in manufacturing processes, sustainable manufacturing and industrial technologies"**, at Praagathi Engineering college from 9th to 13th, June 2020.

- Dr. Nirmala L attended One Week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science",** at K.S. Institute of Technology, Bangalore, from 27th to 31st July 2020.

- Dr. Nirmala L attended one week FDP on **"Advances and Research in Mechanical Engineering"**, at K.S. School of Engineering and Management, Bangalore from 20th to 24th July 2020.

- Mr. Manjunath B R attended 5 Days FDP on **"Advanced Nano Materials, Nano fabrication Techniques & Devices"** at BMS Institute of Technology, Bangalore, from 10th to 14thAug 2020.

- Mr. Manjunath B R attended One week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science"**, at K.S. Institute of Technology, Bangalore, from 27th to 31st July 2020.

- Mr. Ranganath N attended 5 Days FDP on **"Advanced Nano Materials, Nano fabrication Techniques & Devices"**, at BMS Institute of Technology, Bangalore from 10th to 14th Aug 2020.

- Mr. Ranganath N attended One week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science"**, at K.S. Institute of Technology, Bangalore from 27th to 31st July 2020.

- Mr. Anil Kumar A attended One week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science"**, at K.S. Institute of Technology, Bangalore from 27th to 31st July 2020.

- Mr. Anil Kumar A attended One Week FDP on **"Advances in Mechanical Engineering"** at Jyothy Institute of Technology, Bangalore from 11th to 15th July 2020.

- Mr. Anil Kumar A attended One Week FDP on **"Research Proposal writing & opportunities in the field of science Engineering & Management"** at Bangalore Institute of Technology, Bangalore from 6th to 11th July 2020.

- Mr. Anil Kumar A attended 5 Days FDP on **"Advances and Researches in Mechanical Engineering"** at K.S. School of Engineering and Management, Bangalore from 20th to 24th July 2020.

- Mr. Harish U attended 5 Days FDP on **"Green energy for sustainable development"**, at BK Institute of Technology, from 10th to 14th Aug 2020.

- Mr. Harish U attended 5 Days FDP on **"Advanced Nano Materials, Nano fabrication Techniques & Devices",** at BMS Institute of Technology, Bangalore from 10th to 14th Aug 2020.

- Mr. Harish U attended One Week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science"**, at K.S. Institute of Technology, Bangalore, from 27th to 31st July 2020.

- Mr. Harish U attended 5 Days FDP on **"Advanced & Researches in Mechanical Engineering"**, at K.S. School of Engineering and Management, Bangalore, from 20th to 24th July 2020.

- Mr. Parashuram A K attended One week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science"**, at K.S. Institute of Technology, Bangalore, from 27th to 31st July 2020.

- Mr. Parashuram A K attended one week Faculty Development & Continuity in **"I-3, (Industries Institute & Interaction)"**, at BNM Institute of Technology, Bangalore from 20th to 24th July 2020.

- Mr. Parashuram A K attended one week FDP on "**Advances in Mechanical Engineering"** at Jyothy Institute of Technology, Bangalore from 11th to 15th July 2020.

- Mr. Bharath Kumar K R attended AICTE Sponsored National level 5 days short term training program (STTP) on **"Industrial Internet of Things"** at Nitte Meenakshi Institute of Technology, Bangalore, from 12th to 16th Aug 2020.

- Mr. Bharath Kumar K R attended One week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science"**, at K.S. Institute of Technology, Bangalore, from 27th to 31st July 2020.

- Mr. Saleem Khan attended One week FDP on **"Additive Manufacturing"** at Presidency University, Bangalore, from 29th Aug to 2nd Sep 2020.

- Mr. Saleem Khan attended One week FDP on **"Recent Advances & Trends in Mechanical Engineering & Materials Science"**, at K.S. Institute of Technology, Bangalore, from 27th to 31st July 2020.

- Mrs. Tejaswini M L attended One week FDP on **"Climate change & Carbon Issues"**, BMS College of Engineering, Bangalore from 6th to 10th July 2020.

- Mr. Rajesh G L attended TEQIP -III Sponsored STTP on **"Recent Advances in sustainable Materials for Eng. Applications"** BMS College of Engineering, Bangalore, from 22nd to 26th Feb 2021.

- Mr. Rajesh G L attended AICTE Sponsored STTP on **"Advanced Manufacturing Technologiesfor Medical &Precision Engineering"**, MVJ College of Engineering, Bangalore, from 04th to 9th Jan 2021.

- Mr. Rajesh G L attended One week ONLINE FDP on **"Technological Advancements in Mechanical Engineering TAME 2000"**, BITS, Warangal, from 4th to 9th Jan 2021.

- Mr. Rajesh G L attended AICTE Sponsored online STTP on **"Advances in Electric Vehicles"**, at R.V College of Engineering, Bangalore, from 21st to 26th Dec 2020.

- Mr. Rajesh G L attended Five days FDP on **"Recent Tools for effective Research"**, at VVJIET, Hyderabad from 23rd to 27th November 2020.

- Mr. Rajesh G L attended AICTE Approved STTP on **"Composites Fracture Toughness NOE & Failure Analysis"**, at PHCET, Rasayani from17th -22nd Nov 2020.

Publications by Faculty

- Prof.M Umashankar, **"Influence of Ni particulate reinforcement on morphological and mechanical properties of ZA-27 alloy composites"**, Solid State Technology, Volume 63, Issue 25, 2020, PP 5617 -5632.

- Dr. Nagaprasad K S, **"Effect Injecting Urea and DEE solution at exhaust pipe of Diesel engines with DPF and DOC"**, International Journal of Latest Technology in Engineering, Management & Applied Science, Volume 9, Issue 7, July 2020, PP 59-65.

- Dr. Nagaprasad K S, **"Emission Reduction of Diesel Engine by using DPF, Doc and Injecting Hydrazinc in exhaust pipe"**, International Journal of Multidisciplinary Educational Research, June 2020.

- Dr. Girish T R, **"Investigation of Mechanical properties of hybrid composites using Hemp & Aramid"**, International Journal of Research and Analytical Review, Volume 7, Issue 3, July 2020. PP 25-29.

Club Updates

- Team **Prodigy Racers** had participated in the event Bharath Formula Karting Season - 4, Powered by CADD Technologies of School of design. It is a student karting competition to explore the theoretical and motorsports skill set of engineering students. This was our first time participating in this event, the previous year our team had competed in the Indian Karting championship Season - 3 which is similar to BFKCT rules and vehicle dimensions so the same Go-kart will be powered for the BFKCT event as well. The team had registered to the event on 16th March 2020 after forming a new team, Permissions were taken from Dr. K Rama Narasimha, Principal, KSSEM; Dr. Balaji B, Head, Department of Mechanical Engineering and permission from Dr. T V Govindaraju, Principal KSIT;   Prof. Umashankar M, Head, Department of Mechanical Engineering and Dr. Nagaprasad K S, Prof of Mechanical Engineering KSIT.

Go-Kart

- Team **Redline Racing** had decided to participate in the event Mega ATV Championship Season-V organized by Autosport India in association with FMSCI. This was our 2nd year participation for the event. Team had successfully cleared the virtual rounds of the event which was the entry criteria for the event. Once completing the virtual round, they started upgrading the vehicle and tested it thoroughly.

Vehicle Ready to Compete

Best Project

- **Best Project Of The Year 2020 Awarded By Karnataka State Council For Science And Technology**

The project entitled **"Design and Fabrication of Solid Waste Collector and Water De-Frothing Device"** was undertaken by the 8th semester students, Ashwin Miaya, Harshith Srinivas, Venkatesh Kashyap and Manoj R, guided by Mr. Umashankar M, Associate Professor and Head of the Department, Mechanical Engineering was funded and awarded as **"The Best Project of the Year 2020"** by Karnataka State Council for Science and Technology (KSCST) for the 43rd Student Project Programme. This project is developed in order to contribute for the reduction in water pollution in metropolitan cities by removing organic and inorganic pollutants from water bodies.
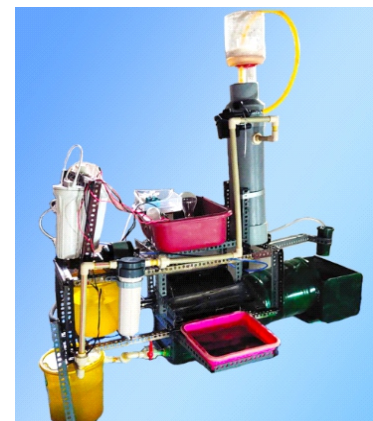
Solid Waste Collector

Achievements by Faculty

- Dr. Nagaprasad K S had given a talk on **"Pre and Post combustion Techniques to reduce emissions in diesel engine"**, Sir M.V. Institute of Technology, Bangalore, on 23rd July 2020.

Achievements by Students

- Mr. Venkatesh Kashyap, Mr. Ashwin Maiya M, Mr. Harshith S, Mr. Manoj R, in 43rd Series, Student Project Programme of Karnataka State Council for Science and Technology - 2019-20 for the project **"Design and Fabrication of Solid Waste Collector and Water De-Frothing Device"** received fund of Rs.5,500/- with the guidance of Prof. Umashankar M.

- Mr. Vishwanatha B Naik, Mr. Chethan M Kumar, Mr. Hanamantappa, in 43rd Series, Student Project Programme of Karnataka State Council for Science and Technology - 2019-20 for the project **"Emission Reduction of Diesel Engine By Using DPF, Doc and Injecting Diesel Exhaust Fluid in Exhaust Fluid in Exhaust Pipe"** and received fund of Rs.6,500/-with the guidance of Dr. Nagaprasad K S.

- Mr. Sreekara K B, Mr. Shiva Shankar B M, Mr. Sumesh R, Mr. Supreeth K R in 43rd,Student Project Programme of Karnataka State Council for Science and Technology - 2019-20 for the project **"Propulsion of Turbojet Engine Using HHO Gas Generated from Water by HHO Generator"** and received fund of Rs.5,500/- with the guidance of Prof. Anil Kumar A.

- Mr. Pechumuthu S, Mr. Pramod raj K, Mr. Sagar H, Mr. Sharath S Yadav in 43rd Series, Student Project Programme of Karnataka State Council for Science and Technology - 2019-20 for the project **"Design and Automation of Nutrient Feed System to Enhance Growth Rate in Hydroponics"** and received fund of Rs.5,000/-. With the guidance of Prof. Gautham S.

Congratulations

- **Dr. Saleem Khan** has been awarded **Doctor of philosophy** from Jawaharlal Nehru technological University Hyderabad (JNTUH), Hyderabad, Telangana State, India, November 2020, for the titled **"Development of Hybrid Al6061-Si3N4-Cf Metal Matrix Composite"** carried out under the guidance of Dr. C S Ramesh, professor and Dean for research and innovations, Presidency University, Bangalore

100% Results

Mr. Harish U	Operations Research
Mr. Manjunath B R	Additive Manufacturing
Mr. Naresha K	Product Life Cycle Management
Mr. Sreesudha N	Operations Research
Mr. Naghabhushana M	Product Life Cycle Management
Mr. Nagaprasad K S	Energy Engineering
Mr. Harish U	Tribology
Mr. Naresh K	Mechatronics
Mr. K Prasad	Energy Engineering
Mrs. Sreesudha N	Control Engineering
Dr. Girish T R	Tribology
Mr. Bharath Kumar K R	Mechatronics
Mr. Murulidhar K S	Energy Engineering
Mr. Ganesh A Bharghav	Non Traditional Machining
Mr. Parashuram A K	Energy Engineering
Mr. Madhu G	Non Traditional Machining

MAGAZINES

Assembly

Assembly Magazine produces a monthly production both in print and digitally on technology, innovation, and best practices of assembly in manufacturing. Basically, it covers areas such as practices, technologies, and assembling in the automotive, aerospace, and appliance industries.
Assembly is a free magazine offered by BNP Media that series manufacturing professionals that are responsible for managing product assembly operations throughout the original equipment market. Its objective is to help mechanical engineers make assembly-related objectives and develop solutions to assembly problems. The publication is done in the United States.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ABOUT THE DEPARTMENT

The department has a team of highly experienced and motivated faculty members. All the Faculty members are well qualified and competitive enough in preparing the young minds for global competition with an enormous support from the Head of department as well the management. Students of CSE department are highly motivated and ready for IT Industry with hands on experience on current technologies/programming languages. In VTU results students are getting top positions and are working with Top level companies. The Students are actively participating in Hackathons and other coding contest at the national and state level and making their own marks. Our mission is to inculcate strong theoretical and practical knowledge for continuous learning, prepare students to find Computer Solutions for the society through research and entrepreneurship with Professional ethics, encourage teamwork in inter-disciplines and evolve as leaders with social concerns. The Department of CSE is striving hard towards the goal of providing innovative and quality education with high standard to achieve academic excellence and provides platform for the students to achieve their career goals. Department, staff and students are members of Professional bodies like CSI, ISTE, BYTES and IEI where the faculty members and students are encouraged to publish research papers in reputed journals, participate in Faculty Development Program and workshop through a well-supported system. The department preserves its achievements and publish its all activities by bi – annual magazine 'CS-GYANBYTES'.

-Dr. Rekha B Venkatapur

DEPARTMENT WELCOMES

- Ms. Sneha C R, Assistant Professor
- Ms. Rashmi B H, Assistant Professor

LATEST TECHNOLOGY

ROBOTIC PROCESS AUTOMATION (RPA)

Robotic Process Automation is basically the idea that 'Anything that can be automated, should be automated'. RPA is the use of software bots to automate highly repetitive, routine tasks normally performed by knowledge workers. Automating repetitive tasks saves time and money. Robotic process automation bots expand the value of an automation platform by completing tasks faster, allowing employees to perform higher-value work.

Like AI and Machine Learning, Robotic Automation Process or RPA, is another technology that is automating jobs. RPA is the use of software to automate business processes such as interpreting applications, processing transactions, dealing with data, and even replying to emails. RPA automates repetitive tasks that people used to do.

Although Forrester Research estimates RPA automation will threaten the livelihood of 230 million or more knowledge workers, or approximately 9 percent of the global workforce, RPA is also creating new jobs while altering existing jobs. McKinsey finds that less than 5 percent of occupations can be totally automated but about 60 percent can be partially automated.

In traditional workflow automation tools, a software developer produces a list of actions to automate a task and interface to the back-end system using internal application programming interfaces (APIs) or dedicated scripting language. In contrast, RPA systems develop the action list by watching the user perform that task in the application's graphical user interface (GUI), and then perform the automation by repeating those tasks directly in the GUI. This can lower the barrier to use of automation in products that might not otherwise feature APIs for this purpose. RPA tools have strong technical similarities to graphical user interface testing tools. These tools also automate interactions with the GUI, and often do so by repeating a set of demonstration actions performed by a user. RPA tools differ from such systems in that they allow data to be handled in and between multiple applications, for instance, receiving email containing an invoice, extracting the data, and then typing that into a book keeping system.

Events Conducted

- ### 34th CSI Karnataka State Student Convention (CSI)

34th CSI KARNATAKA STATE STUDENT CONVENTION (Online) was hosted by Dept. of CSE, KSIT in collaboration with Computer Society of India on 22nd and 23rd of December, 2020 with the convention theme as **"Self Reliance and Automation"**. 266 students from 21 colleges all over Karnataka participated in the online convention.

Day-1: 22/12/2020

The commencement of the convention was marked by the inaugural function on 22nd December 2020. Chief Guest was **Prof. M. Surendra Prasad Babu**, Regional Vice President, Region V, CSI and Guest of Honour was **Dr. N. Nalini** , Chairperson, CSI- Bangalore Chapter. Our Management **Sri Y. Ramachandra Naidu**, President, Kammavari Sangham, **Sri. Venkatesh Naidu**, Hon. Secretary, **Sri D. Rukmangada**, Treasurer, Kammavari Sangham, presided the function. **Sri D. Rukmangada,** Treasurer and **Dr. K.V.A Balaji**, Principal & CEO addressed the gathering.
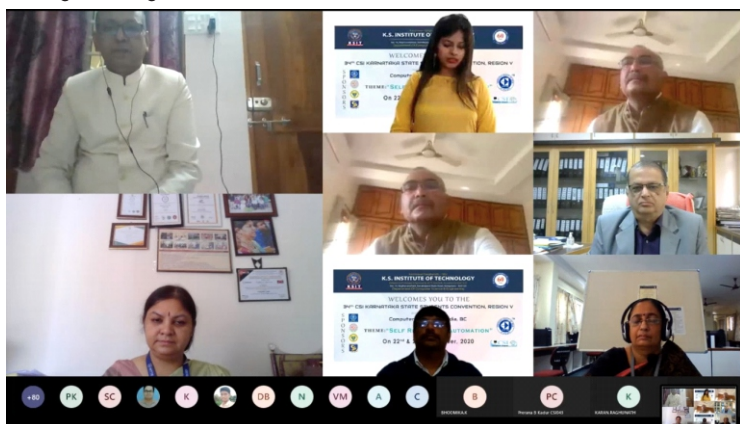
The inaugural was followed by key note speech on Big Data Analytics by the Chief Guest **Prof. M. Surendra Prasad Babu,** Regional Vice President, Region V, CSI.

After the Key note address, the paper presentation event was started parallel in 6 different tracks. The Session chairs from host institution and various other colleges evaluated the presentations. The events Codigo, Sudoku and Can you correct me were conducted after the paper presentation.
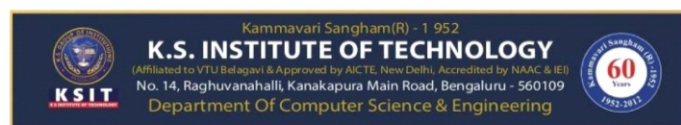
Day-2: 23/12/2020

Various events were conducted and were evaluated by the judges, based on the evaluation criteria.

The Chief Guest for the Valedictory on 23rd December 2020 was **Mrs. Anitha Venkatesh**, State Student Coordinator, CSI-Karnataka State. Guest of Honour **Mr. Salman Abdul Moiz**, Regional Student Coordinator, Region V, CSI. **Sri D. Rukmangada**, Treasurer, Kammavari Sangham, presided the function. **Mrs. Anitha Venkatesh** , **Sri D. Rukmangada**, Treasurer and **Dr. K.V.A Balaji**, Principal & CEO addressed the gathering.


Winners of various events

K.S. INSTITUTE OF TECHNOLOGY
(Affiliated to VTU Belagavi & Approved by AICTE, New Delhi, Accredited by NAAC & IEI)
No. 14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560109
Department Of Computer Science & Engineering

34th CSI Karnataka Student Convention (Online)
Theme : "Self Reliance & Automation"
Consolidated Winners and Runners

Sl. No.	Event	Winner		Runner	
		Name	College	Name	College
1	Can You Correct Me	Akshay R	K S Institute of Technology, Bengaluru	Ishika Naveen	Sai Vidya Institute of Technology
2	Codigo	Venkatesh G D	KLS Gogte Institute of Technology, Belagavi	Chennakeshava NT	K S Institute of Technology
3	General Quiz	Rachana Giliyal	K S Institute of Technology, Bengaluru	Raj Kumar E M	Dayananda Sagar academy of technology and management
4	Give Me Your Idea	Nachiketh N	Sai Vidya Institute of Technology, Bengaluru	Eshanya	Sai Vidya Institute of Technology
5	Logo Designing	Raksha S	K S Institute of Technology, Bengaluru	Nachiketh N	Sai Vidya Institute of Technology
6	Math Quiz	Jayasagar Y	Srinivas institute of technology	Khushi Dubey	Nitte Meenakshi institute of technology
7	Pic Charades	Ashish Amar	K S Institute of Technology, Bengaluru	Ganesh Maudghalya H G	K S Institute of Technology, Bengaluru
8	Pic Story	Aqsa Aqeel	K S Institute of Technology, Bengaluru	Laxmi Suresh Naik	KLS Gogte Institute of Technology, Belagavi
9	Sudoku	Anurag Sharma	RNS Instutute of technology, Bengaluru	Varshitha s	K S Institute of Technology, Bengaluru
10	Tech Quiz	Manoj Krishna U	Srinivas Institute of Technology	Sahil P Gaonkar	KLS Gogte Institute of Technology, Belagavi

The convention provided an online platform for all the participants to showcase their talents.

- The Department of Computer Science and Engineering organized a webinar on **"An Insight into Web Application Development"** on 13th November, 2020 in association with IEI, CSI and KSIT Alumni Association. The students of 7th semester were the targeted participants. 70 students and faculties participated in the webinar.
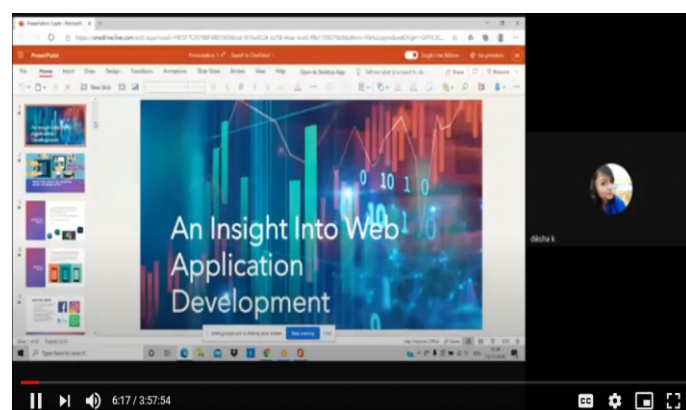
- Workshop on **"AWS Cloud Practitioners"** by **Dr. Prakash**, Principal, EPCIT & **Nandini Gowda, Shefali** , EPCIT, organized under CSI Banner for 6th and 8th sem students on 21st and 22nd July 2020.
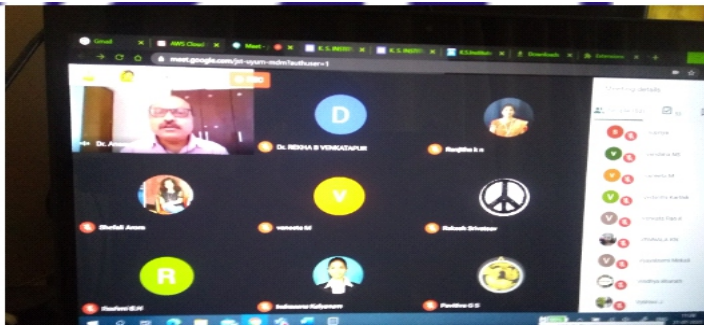
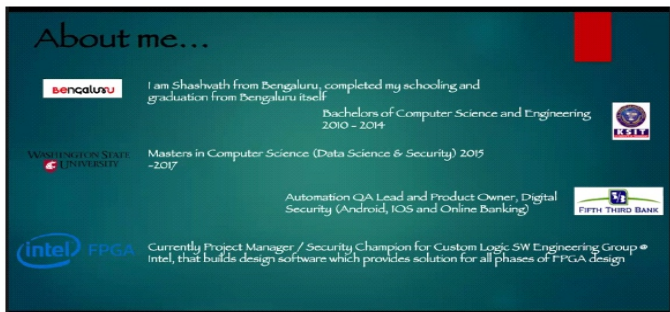- The Department of Computer Science and Engineering in association with CSI and IEI Organized seminar on **"Career Guidance"** on 6th July, 2020. The students of 8th semester & 6th semester were the targeted participated.

- **Internship Talk** was conducted by Key Speaker Mr. Nagesha C, Rapsol Technologies Pvt. Ltd, Bangalore on 7th June 2020 for 6th Sem Students.
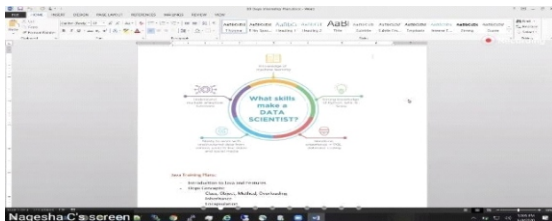
- **Internship Talk** was organized for the students of K S Institute of Technology on 7th June 2020 at 09:30 am for the student of 6th sem. The meeting was conducted through Zoom, the key speaker **Nithin K Naik**, who is the technical manager at Tequed Labs addressed around 65 students attending the talk from their homes.
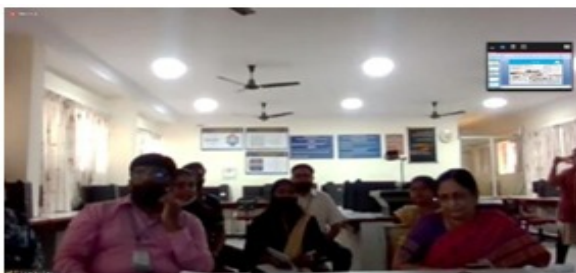
- Seminar was conducted on the topic **" Cracking Code"** by **Mr. Supreeth Y.S**, CEO of Tequed Labs, Bangalore on 18th February 2020 for 6th Sem Students.

- The Department of Computer Science and Engineering organized a technical talk on **"BLOCKCHAIN"** on 15th February, 2020 in association with IEI in MECH Seminar hall, New Building. The students of 6th semester were the targeted participants.

- **Five-day Academic Development Program Insights** into the vocabulary of Modern Technologies in association with BITES at KSIT, Bengaluru from 27th January 2020 to 30th January 2020.

- The Department of Computer Science and Engineering organized a two days' Faculty Development program on **"Problem Solving with Python"** on 3th and 4th January, 2020 in association with BITES in Online Lab, New Block, KSIT, Bengaluru. The faculty of CSE & ECE department of KSIT and KSSEM were the targeted participated.

Events Attended by Faculty

- Mrs. Vaneeta M attended a online STTP on **"Cyber Criminology and Network Security"** organized by Gopalan College of Engineering and Management on 23rd November 2020 to 28th November 2020.

- Dr. Deepa S R attended a webinar on **"Research Opportunities in Artificial Intelligence and Deep Learning"** organized by Dr. Ambedkar Institute of Technology, Bengaluru on 18th November 2020.

- Mr. Kumar K attended webinar on **"Research Opportunities in Artificial Intelligence and Deep Learning"** organized by Dr. Ambedkar Institute of Technology, Bengaluru on 18th November 2020.

- Dr. Rekha B Venkatapur attended a webinar on **"AI in Cyber Security"** organized by Cyber Security Karnataka (CySeck), K-Tech CoE for Cyber Security on 28th October 2020.

- Dr. Swathi K attended a webinar on **"AI and ML Leading the Data Science Way"** organised by East West College of Engineering, Bengaluru on 30th August 2020.

- Dr. Swathi K attended a webinar on **"Spot Pricing : Theory and Concepts"** organised by East West College of Engineering, Bengaluru on 28th August 2020.

- Dr. Swathi K attended a webinar on **"Cryptographic Techniques in Information Security"** organised by East West College of Engineering, Bengaluru on 27th August 2020.

- Dr. Swathi K attended a webinar on **"If Japan can, Why Can't We"** organised by East West College of Engineering, Bengaluru on 24th August 2020.

- Dr. Swathi K attended a webinar on **"3D printing in Manufacturing"** organised by East West College of Engineering, Bengaluru on 23rd August 2020.

- Dr. Swathi K attended a webinar on **"UX design – Basics of Wireframes"** organised by East West College of Engineering, Bengaluru on 22nd August 2020.

- Dr. Swathi K attended a webinar on **"Digitalization and Cyber Security"** organised by East West College of Engineering, Bengaluru on 21st August 2020.

- Dr. Swathi K attended a webinar on **"Overview of Intellectual Property Rights & Patent Filling Procedure"** organised by East West College of Engineering, Bengaluru on 20th August 2020.

- Dr. Swathi K attended a webinar on **"Software Engineering"** organised by East West College of Engineering, Bengaluru on 12th August 2020.

- Dr. Swathi K attended a webinar on **"Guidelines to Publish Research Articles in Reputed Journal"** organised by East West College of Engineering, Bengaluru on 11th August 2020.

- Dr. Swathi K attended a 5 days Faculty Development Program on **"Guidelines to Stemming Technologies – Concretes Industry and Academia"** organised by East West Institute of Technology, Bengaluru on 10th August 2020 to 14th August 2020.

- Dr. Swathi K attended a webinar on **"Cloud Computing"** organised by East West College of Engineering, Bengaluru on 6thAugust 2020.

- Mr. Pradeep Kumar G H attended as judge on **Smart India Hackathon** 2020 organized by SPOC, KLETU nodal Centre, SIH 2020 on 1st Aug to 3rd August 2020.

- Dr. Deepa S R attended a 3 days Faculty development program on **"IoT and Wireless Sensor Networks"** organized by Brindavan College of Engineering on 27th July 2020 to 30th July 2020.

- Dr. Deepa S R attended a webinar on **"Fundamental of Domain Name system (DNS): Decentralising the DNS"** organized by VTU Belagavi on 24th July 2020.

- Mr. Raghavendrachar S attended a Webinar on **"Data Science"** organized by Sai Vidya Institute of Technology on 22nd June 2020.

- Mrs. Vijayalaxmi Mekali attended a quiz on **"C Programming Skills"** organized by Sri Krishna Institute of Technology, Bangalore on 17th June 2020.

- Mr. Roopesh Kumar B N attended a National Level Online Faculty Development Programme on **"Machine Learning and Research Opportunities"** organized by Sapthagiri College of Engineering, Bangalore from 15th June 2020 to 19th June 2020.

- Mr. Kumar K attended a National Level Online Faculty Development Programme on **"Machine Learning and Research Opportunities"** organized by Sapthagiri College of Engineering, Bangalore from 15th June 2020 to 19th June 2020.

- Mr. Raghavendrachar S attended a Faculty Development Programme on **"Emerging Trends in Cyber Security"** organized by CMRIT, Bangalore from 15th June 2020 to 20th June 2020.

- Mr. Raghavendrachar S attended a National Level Faculty Development Programme on **"Machine Learning and Research Opportunities"** organized by Sapthagiri College of Engineering, Bangalore from 15th June 2020 to 19thJune 2020.

- Mr. Roopesh Kumar B N attended a webinar on **"Remote Sensing for Environmental Studies"** organized by Dr. AIT on 13th June 2020.

- Mr. Kumar K attended a Virtual Faculty Development Programme on **"Outcome Based Learning, Research and Project Based Education"** organized by Reva University from 12th June 2020 to 13thJune 2020.

- Dr. Dayananda R B attended a Faculty Development Programme on **"Deep Learning Concepts and Applications"** organized by NRI Institute of Technology from 11th June 2020 to 14th June 2020.

- Mrs. Sougandhika Narayan attended a quiz on **"Recent Trends in Technology"** organized by Shetty Institute of Technology, Kalburgi on 11th June 2020.

- Mrs. Sougandhika Narayan attended a quiz on **"Computer Science"** organized by Proudhadevaraya Institute of Technology on 11th June 2020.

- Mrs. Sneha. C. R attended a Quiz on **"Recent Trends in Technology"** organized by Shetty Institute of Technology, Kalburagi on 11th June 2020.

- Mrs. Rashmi. B. H attended a Quiz on **"Recent Trends in Technology"** organized by Shetty Institute of Technology, Kalburagi on 11th June 2020.

- Dr. Dayananda R B attended a webinar on **"Advances in IOT"** and its Applications organized by Dr. AIT on 10th June 2020.

- Mrs. Sneha. C. R attended an Online Faculty Development **"Programme on AWS Cloud, Docker Containers, Grafana and Performance Benchmarking of Storage System"** sorganized by Vidyavardhaka College of Engineering from 10th June to 12th June 2020.

- Dr. Dayananda R B attended a webinar on "**Emerging Trends in Data Analytics"** organized by Proudhadevaraya Institute of Technology on 9th June 2020.

- Mr. Roopesh Kumar B N attended a webinar on **"Intellectual Property Rights Patent Filing Procedure"** organized by KLE Institute of Technology on 9th June 2020.

- Mrs. Vijayalaxmi Mekali attended a quiz on **"Python Programming"** Basics organized by Maharaja Institute of Technology Thandavapura on 8th June 2020.

- Mr. Roopesh Kumar B N attended a Faculty Development Programme on **"Advancements in IOT"** organized by Marathwada Mitra Mandal's College of Engineering from 8th June 2020 to 12th June 2020.

- Mr. Kumar K attended a Faculty Development Programme on **"Advancements in IOT"** organized by Marathwada Mitra Mandal's College of Engineering from 8th June to 12thJune 2020.

- Mr. Raghavendrachar S attended a Faculty Development **"Advancements in IOT"** organized by Marathwada Mitra Mandal's College of Engineering from 8th June to 12th June 2020.

- Dr. Dayananda R B attended a webinar on **"Machine Learning"** organized by Parvathaneni Brahmayya Siddhartha College of Arts & Science from 7th June 2020 to 9th June 2020.

- Mr. Roopesh Kumar B N attended a Faculty Development Programme on **"Android Application Development"** organized by Reva University on 7th June 2020.

- Mr. Raghavendrachar S attended a Virtual Faculty Development Programme on **"Android Application Development"** organized by Reva University on 7th June 2020.

- Mrs. Vijayalaxmi Mekali attended a quiz on **"Object Oriented Programming"** organized by Sri Krishna Institute of Technology, Bangalore on 6th June 2020.

- Mr. Kumar K attended a Virtual Faculty Development Programme on **"Android Application Development"** organized by Reva University from 6th June 2020 to 7thJune 2020.

- Mr. Raghavendrachar S attended a quiz on **"C Programming Skills"** organized by Sri Krishna Institute of Technology, Bangalore on 6th June 2020.

- Mr. Raghavendrachar S completed online quiz on "**Object Oriented Programming"** organized by Sri Krishna Institute of Technology, Bangalore on 6th June 2020.

- Mr. Raghavendrachar S completed online quiz on **"Concepts of Data Structures"** organized by Sri Krishna Institute of Technology, Bangalore on 6th June 2020.

- Mr. Roopesh Kumar B N attended a webinar on **"Employability Skills for the Future"** organized by ACS College of Engineering on 5th June 2020.

- Mr. Raghavendrachar S attended a Webinar on Career Road Map for Artificial Intelligence Professional organized by DBIT on 5th June 2020.

- Mr. Krishna Gudi attended a webinar on **"Employability Skills for the Future"** organized by ACS College of Engineering on 5th June 2020.

- Mr. Kumar K attended a Webinar on **Machine Learning Model** Deployment using Flask & other Techniques organized by Don Bosco Institute of Technology on 4th June 2020.
- Mrs. Vijayalaxmi Mekali attended a quiz on **"Python Programming"** organized by Vivekananda Institute of Technology on 3rd June 2020.

- Mr. Raghavendrachar S attended a Webinar on the topic- **"Become Expert in Python Programming" o**organized by SJBIT, Bangalore on 3rd June 2020.

- Mr. Raghavendrachar S attended a quiz on **"Become Expert in Python Programming"** organized by VKIT on 2nd June 2020.

- Mrs. Sneha. C. R attended a Quiz on **"Python Programming"** organized by Vivekananda Institute of Technology on 2nd June 2020.

- Mrs. Rashmi. B. H attended a Quiz on **"Python Programming"** organized by Vivekananda Institute of Technology on 2nd June 2020.

- Mr. K Venkata Rao attended a webinar on **"Personality Development"** Through Online Course – The 3 Dimensional Learning organized by Vivekananda Institute of Technology, Bangalore on 1st June 2020.

- Mrs. Deepa S.R attended a quiz on **"Programming in C"** organized by Vaagdevi College of Engineering on 1st June 2020.

- Mrs. Sougandhika Narayan attended a webinar on **"Personality Development**" Through Online Course – The 3 Dimensional Learning organized by Vivekananda Institute of Technology, Bangalore on 1st June 2020.

- Mrs. Vijayalaxmi Mekali attended a webinar on the topic- **"Become Expert in Python Programming"**, organized by SJBIT on 1st June 2020.

- Mr. Roopesh Kumar B N attended a webinar on **"Personality Development Through Online Course – The 3 Dimensional"** Learning organized by Vivekananda Institute of Technology, Bangalore on 1st June 2020.

- Mr. Kumar K attended a Webinar on **"Personality Development Through Online Course – The 3 Dimensional"** Learning organized by Vivekananda Institute of Technology on 1st June 2020.

- Mr. Kumar K attended a quiz on "**Programming in C"** organized by Vaagdevi College of Engineering on 1st June 2020.

- Mr. Pradeep Kumar G H attended a Quiz on **"Programming in C"** organized by Vaagdevi College of Engineering, Hyderabad on 1st June 2020.

- Mr. Pradeep Kumar G H attended a Webinar on **"Personality Development Through Online Course – The 3 Dimensional"** Learning organized by Vivekananda Institute of Technology on 1st June 2020.

- Mr. Raghavendrachar S attended a Webinar on **"Personality Development Through Online Course – The 3 Dimensional"** Learning organized by Vivekananda Institute of Technology on 1st June, 2020.

- Mr. Aditya Pai H attended a Webinar on **"Personality Development Through Online Course – The 3 Dimensional"** organized by Vivekananda Institute of Technology on 1st June 2020.

- Mr. Prashanth H S attended a Webinar on **"Personality Development Through Online Course – The 3 Dimensional"** Learning organized by Vivekananda Institute of Technology on 1st June 2020.

- Mrs. Mamatha R attended a Quiz on **"Programming in C"** organized by Vaagdevi College of Engineering, Hyderabad on 1st June 2020.

- Mrs. Sneha Karamadi attended a Webinar on **"Personality Development Through Online Course – The 3 Dimensional"** Learning organized by Vivekananda Institute of Technology on 1st June 2020.

- Mrs. Sneha. C. R attended a Quiz on **"Programming in C"** organized by Vaagdevi College of Engineering, Hyderabad on 1st June 2020.

- Mrs. Rashmi. B. H attended a Quiz on **"Programming in C"** organized by Vaagdevi College of Engineering, Hyderabad on 1st June 2020.

- Mrs. Vijayalaxmi Mekali attended a National Level Webinar on **"Writing Effective Research Paper"** organized by Sir M Visvesvaraya Institute of Technology, Bangalore on 30th May 2020.

- Mr. Kushal Kumar BN attended a National Level Webinar on **"Writing Effective Research Paper"** organized by Sir M Visvesvaraya Institute of Technology, 30th May 2020.

- Mrs. Deepa S.R attended a National Level Online Faculty Development Programme on **"Artificial Intelligence & Machine Learning"** organized by Vaagdevi College of Engineering from 29th May 2020 to 30th May 2020.

- Mrs. Sougandhika Narayan attended a National Level Online Faculty Development Programme on **"Artificial Intelligence & Machine Learning"** organized by Vaagdevi College of Engineering from 29th May 2020 to 30th May 2020.

- Mr. Kushal Kumar B N attended a National Level Webinar on **"Engineers as an Entrepreneur"** organized by Sir M Visvesvaraya Institute of Technology, Bangalore on 29th May 2020.

- Mrs. Sneha. C. R attended an Online Faculty Development Programme on **"Artificial Intelligence & Machine Learning"** organized by Vaagdevi College of Engineering, Hyderabad from 29th May 2020 to 30th May 2020.

- Mrs. Rashmi. B. H attended an Online Faculty Development Programme on **"Artificial Intelligence & Machine Learning"** organized by Vaagdevi College of Engineering, Hyderabad from 29th May 2020 to 30th May 2020.

- Mr. K Venkata Rao attended a webinar on **"Making an Effective Research Proposal – The winning Way"** organized by Vivekananda Institute of Technology, Bangalore on 28th May 2020.

- Mrs. Deepa S.R attended an Online Faculty Development **"Programme on Internet of Things"** organized by Anurag University, Hyderabad from 28th May2020 to 30th May 2020.

- Mrs. Ranjitha K N attended an Online Faculty Development **"Programme on Internet of Things"** organized by Anurag University from 28th May 2020 to 30th May 2020.

- Mrs. Beena K attended an Online Faculty Development **"Programme on Internet of Things"** organized by Anurag University from 28th May 2020 to 30th May 2020.

- Mrs. Sneha. C. R attended an Online Faculty Development **"Programme on Internet of Things"** organized by Anurag University from 28th May 2020 to 30th May 2020.

- Mrs. Rashmi. B. H attended an Online Faculty Development **"Programme on Internet of Things"** organized by Anurag University from 28th May 2020 to 30thMay 2020.

- Mrs. Vijayalaxmi Mekali attended a webinar on **"Block Chain"** and The Vedas Connection organized by Cyber Security, Karnataka on 27th May 2020.

- Mrs. Beena K attended a Faculty Programme on **"NBA"** organized by Bharathi Vidyapeeth College of Engineering, Navi Mumbai on 27th May 2020.

- Mrs. Sneha Karamadi attended a Webinar on **"Block Chain"** and The Vedas Connection organized by CySeck (Cyber Security Karnataka) on 27th May 2020.

- Dr. Rekha B Venkatapur attended a webinar on **"IoT Stack – End to End Security Considerations"** organized by Cambridge Institute of Technology on 26th May 2020.

- Mr. K Venkata Rao attended an Online Faculty Development Programme on **"Block Chain"** Technology organized by Kallam Harandaha Reddy Institute of Technology from 26th May 2020 to 28th May 2020.

- Mrs. Deepa S.R attended a webinar on **"A New Era of Data Science"** organized by Raja Rajeswari College of Engineering on 26th May 2020.

- Mrs. Sougandhika Narayan attended an Online Faculty Development Programme on **"Block Chain"** Technology organized by Kallam Harandahareddy Institute of Technology from 26th May 2020 to 28th May 2020.

- Mr. Aditya Pai H attended an Online Faculty Development Programme on **"Block Chain"** Technology organized by Kallam Harandahareddy Institute of Technology, Guntur from 26th May 2020 to 28th May 2020.

- Mrs. Beena K attended a Faculty Development Programme on **"Cyber Security and malware Analysis"** organized by CMR Engineering College from 26th May 2020 to 27th May 2020.

- Mrs. Mamatha R attended a webinar on **"A New Era of Data Science"** organized by Rajarajeswari College of Engineering on 26th May 2020.

- Mrs. Sneha Karamadi attended an Online Faculty Development Programme on **"Block Chain"** Technology organized by Kallam Harandahareddy Institute of Technology from 26th May 2020 to 28th May 2020.

- Mrs. Sneha. C. R attended an Online Faculty Development Programme on **"Block Chain"** Technology organized by Kallam Haranadhareddy Institute of Technology, Guntur from 26th May 2020 to 28th May 2020.

- Mrs. Rashmi. B. H attended an Online Faculty Development Programme on **"Block Chain"** Technology organized by Kallam Haranadhareddy Institute of Technology, Guntur from 26th May 2020 to 28th May 2020.

- Dr. Dayananda R B attended a Faculty Development Programme on **"Machine Learning Algorithms, Applications & Advantages"** organized by Kamala Institute of Technology, Singapore from 25th May 2020 to 30th May 2020.

- Mr. K Venkata Rao attended a webinar on **"Data Science Workshop – Face Detection"** organized by Geekspace on 25th May 2020.

- Mr. K Venkata Rao attended a webinar on **"Internet of Techology and Its Applications"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari on 25th May 2020.

- Mrs. Vaneeta M attended a webinar on **"Internet of Techology and Its Applications"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari on 25th May 2020.

- Mrs. Sougandhika Narayan attended a webinar on **"Internet of Techology and Its Applications"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari on 25th May 2020.

- Mr. Aditya Pai H attended a Faculty Development Programme on **"Internet of Techology and Its Applications"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari from on 25th May 2020.

- Mrs. Sneha Karamadi attended a Webinar on **"Internet of Techology and Its Applications"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari on 25th May 2020.

- Dr. Rekha B Venkatapur attended a webinar on **"Data Analytics – Innovative Research methods and Data Analysis"** organized by Vignan's Institute of management and Technology for women, Ghatkesar, Hyderabad on 23rd May 2020.

- Mr. K Venkata Rao attended a webinar on **"Data Analytics – Innovative Research methods and Data Analysis"** organized by Vignan's Institute of Management and Technology for Women, Hyderabad on 23rd May 2020.

- Mr. K Venkata Rao attended a quiz on **"Applications of IOT"** in Embedded Systems organized by Dr. AIT, Bangalore on 23rd May 2020.

- Mrs. Vijayalaxmi Mekali attended a Faculty Development Programme on **"Cyber Security"** organized by Velagapudi Ramakrishna Siddhartha Engineering College, Kakinada from 23rd May 2020 to 27th May 2020.

- Mr. Raghavendrachar S attended a Webinar on **"Data Analytics – Innovative Research methods and Data Analysis"** organized by Vignan's Institute of Management and Technology for Women, Hyderabad on 23rd May 2020.

- Mr. Aditya Pai H attended a Faculty Development Programme on **"Cyber Security"** organized by Velagapudi Ramakrishna Siddhartha Engineering College, Kakinada from 23rd May 2020 to 27th May 2020.

- Mr. Aditya Pai H attended a Webinar on **"Data Analytics – Innovative Research methods and Data Analysis"** organized by Vignan's Institute of Management and Technology for Women on 23rd May 2020.

- Mrs. Mamatha R attended a Faculty Development Programme on **"Cyber Security"** organized by Velagapudi Ramakrishna Siddhartha Engineering College, Kakinada from 23rd May 2020 to 27th May 2020.

- Mrs. Sneha Karamadi attended a Faculty Development Programme on **"Cyber Security"** organized by Velagapudi Ramakrishna Siddhartha Engineering College, Kakinada from 23rd May 2020 to 27th May 2020.

- Mrs. Sneha Karamadi attended a Webinar on **"Data Analytics – Innovative Research methods and Data Analysis"** organized by R Vignan's Institute of Management and Technology for Women on 23rd May 2020.

- Mrs. Sneha. C. R attended a Faculty Development Programme on **"Cyber Security"** organized by Velagapudi Ramakrishna Siddhartha Engineering College, Kakinada from 23rd May 2020 to 27th May 2020.

- Dr. Rekha B Venkatapur attended a Faculty Development Programme on **"IoT and Cyber Security"** – an Industry Perspective organized by Cambridge Institute of Technology on 22nd May 2020.

- Dr. Dayananda R B attended a Faculty Development Programme on **"Artificial Intelligence"** organized by Alva's Institute of Engineering & Technology from 22nd May 2020 to 26th May 2020.

- Mr. K Venkata Rao attended a National Level Online Faculty Development Programme on **"Artificial Intelligence"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari from 22nd May 2020 TO 26th May 2020.

- Mr. K Venkata Rao attended a Webinar on **"Strategic Planning and Best Practices"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari on 22nd May 2020.

- Mr. K Venkata Rao attended a Webinar on **"OOPS in PHP"** organized by SJBIT, Bangalore on 22nd May 2020.

- Mrs. Deepa S.R attended a webinar on **"OOPS in PHP"** organized by SJBIT, Bangalore on 22nd May 2020.

- Mrs. Vaneeta M attended a webinar on **"Strategic Planning and Best Practices"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari on 22nd May 2020.

- Mrs. Sougandhika Narayan attended a webinar on **"Strategic Planning and Best Practices"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari on 22nd May 2020.

- Mr. Aditya Pai H attended a Faculty Development Programme on **"Strategic Planning and Best Practices"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari on 22nd May 2020.

- Mrs. Sneha Karamadi attended a Webinar on **"Strategic Planning and Best Practices"** organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari on 22nd May 2020.

- Mrs. Sneha. C. R attended a webinar Programme on **"OOPS in PHP"** organized by SJBIT, Bangalore on 22nd May 2020.

- Mr. K Venkata Rao attended a Webinar on **"The Big Thing is Really Small: The World of Nano Technology"** organized by ATRIA Institute of Technology on 21st May 2020.

- Mrs. Mamatha R attended a Webinar on **"Intellectual Property Rights for Engineers"** organized by KINGS Engineering College on 21st May 2020.

- Mr. K Venkata Rao attended a quiz on **"Awareness of Online Teaching Aids for Teachers"** organized by AISSMS Institute of Information Technology, Pune on 20th May 2020.

- Mr. Kumar K attended a Online Faculty Development Programme on **"Rapid Application Development"** using Oracle ADF organized by RRIT, Bangalore from 20th May 2020 to 22nd May 2020.

- Mr. Aditya Pai H attended an Online Faculty Awareness Program on **"Research Methodology"** organized by Shri Chhatrapati Shivajiraje College of Engineering, Pune from 20th May 2020 to 25th May 2020.

- Mrs. Mamatha R attended a Webinar on **"Block Chain Technology – Crypto currency & Beyond"** organized by Sambhram Institute of Technology on 20th May 2020.

- Mrs. Deepa S.R attended a webinar on **"Crypto currencies and Block Chain"** organized by Chalapathi Institute of Engineering and Technology on 19th May 2020.

- Mr. K Venkata Rao attended an Online Faculty Development **"Programme on Cloud Data Centre Infrastructure"** organized by Kallam Harandahareddy Institute of Technology from 18th May to 20th May 2020.

- Mr. K Venkata Rao attended a Webinar on **"Introduction to Web Application Development Using PHP"** organized by ACSCE, Bangalore on 18th May 2020.

- Mrs. Deepa S.R attended an Online Faculty Development **"Programme on Cloud Data Centre Infrastructure"** organized by Kallam Harandahareddy Institute of Technology from 18th May 2020 to 20th May 2020.

- Mrs. Vaneeta M attended an Online Faculty Development **"Programme on Cloud Data Centre Infrastructure"** organized by Kallam Harandahareddy Institute of Technology from 18th May 2020 to 20th May 2020.

- Mrs. Sougandhika Narayan attended an Online Faculty Development **"Programme on Cloud Data Centre Infrastructure"** organized by Kallam Harandahareddy Institute of Technology from 18th May 2020 to 20th May 2020.

- Mr. Roopesh Kumar B N attended a webinar on **"gRPC Framework, gNMI and it's applications in IT"** organized by SJBIT, Bangalore on 18th May 2020.

- Mr. Kumar K attended a webinar on **"gRPC Framework, gNMI and it's applications in IT"** organized by SJBIT, Bangalore on 18th May 2020.

- Mr. Pradeep Kumar G H attended a webinar on **"gRPC Framework, gNMI and it's applications in IT"** organized by SJBIT, Bangalore on 18th May 2020.

- Mr. Raghavendrachar S attended a Webinar on **"gRPC Framework, gNMI and it's applications in IT"** organized by SJBIT on 18th May 2020.

- Mr. Aditya Pai H attended an Online Faculty Development **"Programme on Cloud Data Centre Infrastructure"** organized by Kallam Harandahareddy Institute of Technology, Guntur from 18th May 2020 to 20th May 2020.

- Mr. Prashanth H S attended a Webinar on **"gRPC Framework, gNMI and it's applications in IT"** organized by SJBIT on 18th May 2020.

- Mrs. Rashmi. B. H attended an Online Faculty Development **"Programme on Cloud Data Centre Infrastructure"** organized by Kallam Harandahareddy Institute of Technology from 18th May 2020 to 20th May 2020.

- Mrs. Mamatha R attended a Webinar on **"IOT –Technology, Present, Future & Security Issues"** organized by Sambhram Institute of Technology on 18th May, 2020.

- Mrs. Sneha Karamadi attended an Online Faculty Development **"Programme on Cloud Data Centre Infrastructure"** organized by Kallam Harandahareddy Institute of Technology from 18th May to 20th May 2020.

- Mr. K Venkata Rao attended an Online Quiz on Basics of Object Oriented Programming (C++) organized by Shri Shivaji Education Society Amravati's College of Engineering and Technology, Akola on 17th May 2020.

- Mr. Aditya Pai H attended an **"Awareness Program on Intellectual Property Rights"** organized by Shri Chhatrapati Shivajiraje College of Engineering, Pune from on 15th May 2020.

- Mrs. Mamatha R attended a Webinar on **"Drones – Trends and its Features"** organized by Sambhram Institute of Technology on 13th May 2020.

- Mrs. Deepa S.R attended a Faculty Development Programme on **"Cyber Security"** organized by CIET, Guntur on 12th May 2020.

- Mrs. Mamatha R attended a Webinar on **"IEEE Society Chapter Webinar Series"** organized by IEEE Bangalore Section from 12th May 2020 to 15th May 2020.

- Mrs. Mamatha R attended a Webinar on **"Future Technologies"** organized by Sambhram Institute of Technology on 12th May 2020.

- Mrs. Mamatha R attended a Webinar on **"Work from Home – Employee/Employer Perspective"** organized by Sambhram Institute of Technology on 11th May 2020.

- Mr. K Venkata Rao attended a Quiz on **"Python Programming"** organized by Sandip Institute of Technology and Management on 9th May 2020.

- Mr. Raghavendrachar S attended a quiz on **"Python Programming"** organized by Sandip Institute of Engineering and Management on 9th May 2020.

- Mrs. Mamatha R attended a Faculty Development Programme on **"LaTeX"** organized by Gopalan College of Engineering & Management from 17th April to 30th April 2020.

- Mrs. Ranjitha K N attended a Faculty Programme on **"NBA"** organized by NITTTR, Chandigarh from 15th April 2020 to 19th April 2020.

- Mrs. Beena K attended a Faculty Programme on **"NBA"** organized by NITTTR, Chandigarh from 15th April 2020 to 19th April 2020.

- Mr. K Venkata Rao attended an **"Awareness Quiz on COVID-19 Pandemic General"** organized by Chandigarh Group of Colleges on 10th April 2020.

- Mr. Roopesh Kumar B N attended an **"Awareness Quiz on COVID-19 Pandemic General"** organized by Chandigarh Group of Colleges on 10th April 2020.

- Mr. Pradeep Kumar G H attended an **"Awareness Quiz on COVID-19 Pandemic General"** organized by Chandigarh Group of Colleges on 10th April 2020.

- Mrs. Deepa S.R attended a workshop on **"Introduction to R and Data Science"** organized by KSSEM, Bengaluru on 8th February 2020.

- Mrs. Vaneeta M attended a workshop on **"Introduction to R and Data Science"** organized by KSSEM, Bengaluru on 8th February 2020.

- Mr. Kushal Kumar B N attended a Workshop on **"Introduction to R and Data Science"** organized by KSSEM, Bengaluru on 8th February 2020.

- Mr. Pradeep Kumar G H attended a Workshop on **"Introduction to R and Data Science"** organized by KSSEM, Bengaluru on 8th February 2020.

- Mr. Raghavendrachar S attended a Workshop on **"Introduction to R and Data Science"** organized by KSSEM, Bengaluru on 8th February 2020.

- Mrs. Mamatha R attended a Workshop on **"Introduction to R and Data Science"** organized by KSSEM, Bengaluru on 8th February 2020.

- Mrs. Sneha. C. R attended a Workshop on **"Introduction to R and Data Science"** organized by KSSEM, Bengaluru on 8th February 2020.

- Mrs. Rashmi. B. H attended a Workshop on **"Introduction to R and Data Science"** organized by KSSEM, Bengaluru on 8th February 2020.

- Mr. Raghavendrachar S attended a quiz on **"Python Programming"** organized by Vivekananda Institute of Technology on 6th February 2020.

- Mr. Aditya Pai H attended a quiz on **"Python Programming"** organized by Vivekananda Institute of Technology, Bangalore on 6th February 2020.

- Mrs. Sneha Karamadi attended a quiz on **"Python Programming"** organized by Vivekananda Institute of Technology, Bangalore on 6th February 2020.

- Mrs. Sougandhika Narayan attended **"NSS Camp for Gram Swarajya – 2020"** organized at Gollahalli, Ramanagara from 5th February 2020 to 11th February 2020.

- Mrs. Vijayalaxmi Mekali attended **"NSS Camp for Gram Swarajya – 2020"** organized at Gollahalli, Ramanagara from 5th February 2020 to 11th February 2020.

- Mr. Kushal Kumar B N attended **"NSS Camp for Gram Swarajya – 2020"** organized at Gollahalli, Ramanagara from 5th February 2020 to 11th February 2020.

- Mrs. Ranjitha K N attended **"NSS Camp for Gram Swarajya – 2020"** organized at Gollahalli, Ramanagara from 5th February 2020 to 11th February 2020.

- Mrs. Beena K attended **"NSS Camp for Gram Swarajya – 2020"** organized at Gollahalli, Ramanagara from 5th February 2020 to 11th February 2020.

- Mrs. Mamatha R attended **"NSS Camp for Gram Swarajya – 2020"** organized at Gollahalli, Ramanagara from 5th February to 11th February 2020.

- Mrs. Sneha Karamadi attended **"NSS Camp for Gram Swarajya – 2020"** organized at Gollahalli, Ramanagara from 5th February 2020 to 11th February 2020.

- Mrs. Rashmi. B. H attended **"NSS Camp for Gram Swarajya – 2020"** organized at Gollahalli, Ramanagara from 5th February 2020 to 11th February 2020.

- Mrs. Sneha. C. R attended **"NSS Camp for Gram Swarajya – 2020"** organized at Gollahalli, Ramanagara from 5th February 2020 to 11th February 2020.

- Dr. Dayananda R B attended an Academic Development Programme on **"Insights into the Vocabulary of Modern Technologies"** organized by Kammavari Sangham Institute of Technology, Bangalore from 27th January 2020 to 31st January 2020.

- Mrs. Sougandhika Narayan attended a Faculty Development Programme on **"Microcontroller & Embedded Systems"** organized by JSSATE, Bengaluru from 27th January 2020 to 29th January 2020.

- Mrs. Vijayalaxmi Mekali attended an Academic Development Programme on **"Insights into the Vocabulary of Modern Technologies"** organized by Kammavari Sangham Institute of Technology, Bangalore from 27th January 2020 to 31st January 2020.

- Mr. Sanjoy Das attended an Academic Development Programme on **"Insights into the Vocabulary of Modern Technologies"** organized by Kammavari Sangham Institute of Technology, Bangalore from 27th January 2020 to 31st January 2020.

- Mr. Roopesh Kumar B N attended a Faculty Development **"Programme on Microcontroller & Embedded Systems"** organized by JSSATE, Bengaluru from 27th January 2020 to 29th January 2020.

- Mr. Kumar K attended an Academic Development Programme on **"Insights into the Vocabulary of Modern Technologies"** organized by Kammavari Sangham Institute of Technology, Bangalore on 27th January 2020 to 31st January 2020.

- Mr. Krishna Gudi attended an Academic Development Programme on **"Insights into the Vocabulary of Modern Technologies"** organized by Kammavari Sangham Institute of Technology, Bangalore from 27th January 2020 to 31st January 2020.

- Mrs. Ranjitha K N attended an Academic Development Programme on **"Insights into the Vocabulary of Modern Technologies"** organized by Kammavari Sangham Institute of Technology, Bangalore from 27th January 2020 to 31st January 2020.

- Mrs. Beena K attended an Academic Development Programme on **"Insights into the Vocabulary of Modern Technologies"** organized by Kammavari Sangham Institute of Technology, Bangalore from 27th January 2020 to 31st January 2020.

- Mrs. Sneha Karamadi attended an Academic Development Programme on **"Insights into the Vocabulary of Modern Technologies"** organized by Kammavari Sangham Institute of Technology, Bangalore from 27th January 2020 to 31st January 2020.

- Mr. K Venkata Rao attended a Quiz on **"Python Programming"** organized by Vivekananda Institute of Technology on 6th January 2020.

- Dr. Ram P Rustagi attended a Faculty Development Programme on **"Problem Solving with Python"** organized by Kammavari Sangham Institute of Technology, Bangalore from 3rd January 2020 to 4th January, 2020.

- Mrs. Sougandhika Narayan attended a Faculty Development Programme on **"Problem Solving with Python"** organized by Kammavari Sangham Institute of Technology, Bangalore from 3rd January 2020 to 4th January 2020.

- Mr. Sanjoy Das attended a Faculty Development Programme on **"Problem Solving with Python"** organized by Kammavari Sangham Institute of Technology, Bangalore from 3rd January 2020 to 4th January 2020.

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- Mr. Kushal Kumar B N attended a Faculty Development Programme on **"Problem Solving with Python"** organized by Kammavari Sangham Institute of Technology, Bangalore from 3rd January 2020 to 4th January 2020.

- Mr. Kumar K attended a Conclave on **"Indian Technology-Innovation & Entrepreneurship Conclave (I-TEC)"** organized by Reva University on 3rd January 2020 to 4th January 2020.

- Mr. Pradeep Kumar G H attended a Faculty Development Programme on **"Problem Solving with Python"** organized by Kammavari Sangham Institute of Technology, Bangalore from 3rd January 2020 to 4th January 2020.

- Mr. Pradeep Kumar G H attended a Conclave on **"Indian Technology-Innovation & Entrepreneurship Conclave (I-TEC)"** organized by Reva University on 3rd January 2020 to 4th January 2020.

- Mr. Krishna Gudi attended a Faculty Development Programme on **"Problem Solving with Python"** organized by Kammavari Sangham Institute of Technology, Bangalore from 3rd January 2020 to 4th January 2020.

- Mrs. Ranjitha K N attended a Faculty Development Programme on **"Problem Solving with Python"** organized by Kammavari Sangham Institute of Technology, Bangalore from 3rd January 2020 to 4th January 2020.

- Mrs. Beena K attended a Faculty Development Programme on **"Problem Solving with Python"** organized by Kammavari Sangham Institute of Technology, Bangalore from 3rd January 2020 to 4th January 2020.

- Mrs. Mamatha R attended a Faculty Development Programme on **"Problem Solving with Python"** organized by Kammavari Sangham Institute of Technology, Bangalore from 3rd January 2020 to 4th January 2020.

- Mrs. Sneha Karamadi attended a Faculty Development Programme on **"Problem Solving with Python"** organized by KammavariSangham Institute of Technology, Bangalore from 3rd January 2020 to 4th January 2020.

- Dr. Rekha B Venkatapur attended a Faculty Development **"Problem Solving with Python"** organized by Kammavari Sangham Institute of Technology, Bangalore from 1st January 2020 to 3rd January 2020.

Publications by Faculty

- Dr. Rekha B Venkatapur presented a Paper Title **"Multiscale Recurrent YOLO(MSRYOLO) Object Detection for Video Surveillance System"** in International conference on "Applications of Artificial Intelligence and Computational Mathematics (AAICM - 2020)" organized by Departments of CSE,ISE,MCA and Mathematics, Dayananda College of Engineering from 7th December 2020 to 9th December 2020.

- Dr. Ram P Rustagi, Paper Title "**Experiential Learning of Networking Technologies - Understanding Traversal of a Packet in Internet**", Journal of Advanced Computing and Communications,Vol4 issue 4, December 2020. https://journal.accsindia.org/experiential-learning-of-networking-technologies-understanding-traversal-of-a-packet-in-internet/

- Dr. Swathi K, Paper Title **"An Empirical Analysis of Security in SME's in Bengaluru"**, International Journal of Management(IJM), pp. 2388-2395, Vol. 11, Issue 11, November 2020.

- Dr. Swathi K, Paper Title **"Study on Software Security Measures Adaption in SME's in Bengaluru",** International Journal of Advanced Research in Engineering and Technology(IJARET), pp. 2170-2177, Vol.11, Issue. 11, November 2020.

- Aditya Pai H, Paper Title **"An Empirical Analysis of Security in SME's in Bengaluru",** International Journal of Management(IJM), pp. 2388-2395, Vol. 11, Issue 11, November 2020.

- Aditya Pai H, Paper Title **"Study on Software Security Measures Adaption in SME's in Bengaluru"**, International Journal of Advanced Research in Engineering and Technology(IJARET), pp. 2170-2177, Vol.11, Issue. 11, November 2020.

- Vaneeta M, Sangeetha V, S. Swapna Kumar, Paper title **"Efficient Intrusion detection of malicious node using Bayesian Hybrid Detection in MANET"**, in 1st International Conference on Computational Research and Data Analytics (ICCRDA-2020), jointly organized by Suleyman Demirel University and Isparta Applied Sciences University, Turkey and College of Engineering Roorkee, India on 24th October, 2020.

- Dr. Ram P Rustagi, Paper Title **"Experiential Learning of Networking Technologies - Understanding IP Routing"**, Journal of Advanced Computing and Communications, Vol 4 issue 3, September 2020. https://journal.accsindia.org/experiential-learning-of-networking-technologies-understanding-ip-routing-2/

- Vaneeta M, Sangeetha V, S. Swapna Kumar, Paper title "**Efficient Two Layer Image Protection with Wavelet Transform Compression**", in 2nd International Conference on Innovative Data Communication Technologies and Applications (ICIDCA 2020) at RVS college of Engineering and Technology, Coimbatore on 3rd and 4th September 2020.

- Dr. Rekha B Venkatapur, Sanket S Kulkarni, Dr. Sahana D Gowda, Paper Title **"Human Activity Recognition in Videos Using SVM"** in Innovative Research Advances in Engineering Applications and Processes, National Conference Proceedings, ISBN : 978 93 85682 65 0 at Jyothy Institute Of Technology, Bengaluru, August 2020.

- Vaneeta M, Sangeetha V, S. Swapna Kumar, Paper title **"Ransomware Attack Prediction using Machine Learning Technique"**, National Conference on Innovations in Communication Networks, Information Security, Embedded System and Signal Processing(ICIES - 2020), Organized by Department of ECE, Vidya Academy of Science and Technology, Thrissur on 27th and 28th August 2020.

- Vaneeta M, Sangeetha V, S. Swapna Kumar, Paper title **"Comparison between K-Means and Expectation Maximization algorithm using iris plant"**, in National Conference on Innovations in Communication Networks, Information Security, Embedded System and Signal Processing(ICIES - 2020), Organized by Department of ECE, Vidya Academy of Science and Technology, Thrissur on 27th and 28th August 2020.

- Dr. Rekha B Venkatapur, Raghavendrachar S, Paper Title "**A Survey On Application Of Deep Learning: Unsupervised Auto Encoder**", Alochana Chakra Journal, Volume IX, Issue VII, ISSN NO:2231-3990, July 2020.

- Dr. Rekha B Venkatapur, paper title **"Covid-19 Effect On Supply And Demand Of Essential Commodities Using Unsupervised Learning Method"**, Research Square, July 2020.

- Aditya Pai H, Sneha Karamadi, Paper title **"An Exploratory Study for Process Optimization in IT Industry"**, 2nd International Conference on Emerging Technologies in Data Mining and Information Security, IEMIS, July 2020.

- Aditya Pai H, Paper Title **"A Study on SSDLC (Secure Software Development Life Cycle"**, 2nd International Conference on Emerging Technologies in Data Mining and Information Security, IEMIS, July 2020.

- Dr. Ram P Rustagi, **"Experiential Learning of Networking Technologies - Understanding Network Layer and IP Addressing"**, Journal of Advanced Computing and Communications, Vol 4, issue 2, June 2020. https://journal.accsindia.org/understanding-network-layer-ip-addressing/

- Dr. Ram P Rustagi, Paper Title **"Experiential Learning of Networking Technologies - Evolution of Socket Programming - Part II"**, Journal of Advanced Computing and Communications, Vol 4, issue1, March 2020. https://journal.accsindia.org/experiential-learning-of-networking-technologies-evolution-of-socket-programming-part-ii/

- Dr. Dayananda R.B Paper Title **"A Survey on Disease Identification of various plants and cropsusing image processing"** in ICRCSIT-2020 on 17th of June 2020.

- Mr. K Venkata Rao, Paper Title **"Smart Traffic Light System"**, Paper ID:ICRCSIT-0284, Proceedings of online "International Conference on Recent Trends in Computer Science & Information Technology" ICRCSIT – 20 organized on 17th & 18th June 2020.

- Mr. K Venkata Rao, Paper Title **"Application for Gender, Age, and Face Recognition using OpenCV"**, Paper ID: ICRCSIT-0283, Proceedings of online "International Conference on Recent Trends in Computer Science & Information Technology" ICRCSIT – 20 organized on 17th & 18th June 2020.

- Dr. Dayananda R.B research article **"Improvised XgBoost Machine Learning Algorithm for Customer Churn Prediction"** EAI Endorsed Transactions on Energy Web, February 2020.

- Dr. Dayananda R.B paper title **"Customer Churn Prediction and Upselling using MRF (Modified Random Forest) technique"** in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9, Issue-3, January 2020.

Publications by Students

- Amogha Manjunatha K, Sakshi Kumari, Srikala K M, Swati Pai, Dr. Ram P Rustagi **"Reading A Physical Book For Visually Impaired Person Through Voice Over Navigation System",** 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID: CSIAMSPID001, Dec 2020.

- Rakshith R, Rohith K, Shri Harsha Kulkarni, Mr. Aditya Pai H "**Breast Cancer Detection Using Deep Learning: A Survey"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID: CSIAMSPID004, Dec 2020.

- Shreyas R, Supreetha R Kashyap, Vishal M S, Vybhavi J, Dr. Ram P Rustagi "**Email Voice Assistant"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAWSPID001, Dec 2020.

- Aafreen Hussain, Akshitha B. S, Anoop P.S, Ms. Sougandhika Narayan, "**Survey On Alpha-Numeric Character Recognition In Audio/Text-Based Captcha"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID: CSIAMSPID007, Dec 2020.

- Pavani.M, Sindhu H S, Bharathi R, Varna M, Ms. Sneha K "**Android based application for senior citizens",** 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID: CSIAWSPID003, Dec 2020.

- Ruchitha.G.k, Spoorthi.R, Varun Attiganal Venkatesh, Dr. Swathi K, **"Dog Breed Identification with Products Classification and Assisted Services"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID: CSIAMSPID010, Dec 2020.

- Supriya K, Sujana G N, Varshini N Prakash, S Monika, Mr. Prashanth H S, **"Blockchain: A Panacea For Healthcare Cloud-Based Data Security And Privacy"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAWSPID005, Dec 2020.

- Pooja R, Tejas C S, Srushti A, Praveen A, Mr. Kumar K, **"Listen For Vision"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAWSPID007, Dec 2020.

- Amrutha V Deshpande, Chaitra, Lakshmi Prasanna B, Karthik T C, Mr. Sanjoy Das, **"E-Convocation Webapp Using VR",** 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIISGPID001, Dec 2020.

- Praveen, Vikram S C, Praveen S, Chaitanya, Mr. Harshavardhan J R, **"Web-interaction without Keyboard and Mouse",** 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAWSPID014, Dec 2020.

- Kavitha S, Kruthika B M, Rajashree Shivakumar, Sharanya H, Dr. Deepa S R, **"Detection of Fake and Clone Accounts on Twitter"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAWSPID013, Dec 2020.

- Parth P Shah, Shashank Shet K, Rohith.R, Mr. Roopesh Kumar B N, **"Armament Detection and Alert System Using YOLOV3"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIISGPID004, Dec 2020.

- Harshitha V, Meghana C V, Nikita Katari, Dr. Dayananda R B, **"Pulse Rate Detection"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAMSPID026, Dec 2020.

- Roopashree N, Sai Sneha S V, Spoorthi V, Dr. Swathi K, **"Intuitive Perception –Lip Reading using Machine Learning"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAMSPID013, Dec 2020.

- Bhavesh Bhansali, Ganesh Maudghalya H G, Karan Raghunath, P Kishore, Ms. Vaneeta M, **"Survey on Document Resizing, Validation and Verification for Web API",** 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIISGPID007, Dec 2020.

- Akshatha Ramesh, Amogh R, Darshan S, Nikhil Subramanya K, Mr. Roopesh Kumar B N, **"Counterfeit Notes Detection",** 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIISGPID009, Dec 2020.

- Sindhu M, Varshitha S, Surakshitha M, Roshini R, Ms. Sneha C R, **"Animal Intrusion Detection Using ML"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAMSPID016, Dec 2020.

- Anushree J, Nischitha C, Nydile G R, T K Dhanushree, Mr. Raghavendrachar S, **"E-Defence For People Safety"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAWSPID008, Dec 2020.

- Chennakeshava NT, Chandana B R, Indrasena Kalyanam, Lokesh B M, Mr. K Venkata Rao, **"Remote Access"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAWSPID009, Dec 2020.

- Deepika S H, Anusha A G, Divya Yashaswini Kanney, H. Priyanka, Mr. Kushal Kumar B N, **"Virtual 3D Trial Room",** 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAMSPID019, Dec 2020.

- Keerthi N, Meghana G R, Shriraksha S Kanago, Meghana H S, Ms. Vijayalaxmi Mekali, **"Fingervein Detection Using Image Processing"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIISGPID010, Dec 2020.

- Ganesh G B, Gautham C R, Nitish Kumar Gupta, Mr. Krishna Gudi, **"e-Book Reselling Store: Set Aside your Time and Cash"**,34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAWSPID010, Dec 2020.

- Krithika Jagannath, Abhishek Gowda M V, Meghana G, Ashish Amar, Dr. Rekha B Venkatapur, **"Voice Based E-Prescription"**,34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAWSPID011, Dec 2020.

- Deekshitha R, Lavanya V, Mounika M K L, Neha K, Ms. Beena K, **"Detection of Melanoma Skin Cancer"**, 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAMSPID022, Dec 2020.

- Tharun K, Manjunath A, Prashanth K, Hanumesh V T, Mr. Harshavardhan J R, **"A Contactless Attendance & Security System using Real-time Face Recognition",** 34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIISGPID011, Dec 2020.

- Sandesh N, Sai Kumar L S, Varun Reddy, Vinay Ramarao Biradar, Ms. Ranjitha K N, **"Literature Survey on Text Extraction and Recognition"**,34th CSI Karnataka State Student Convention (Online) Organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, Paper ID:CSIAMSPID025, Dec 2020.

- Mrs. Ranjitha K N, Rahul V, Rakshit Pawar, Rohit Kumar B R, Nishanth A, paper title **"An IoT Approach For Motion Activated Security Camera And Surveillance System"** in IJTIR, Volume 7, Issue 8(ISSN-2349-5162), August 2020.

- Siddhanth M, Shravan Bhat, Sampath Kumar, Dr. Rekha. B.Venkatapur, paper title **"Stock market prediction using financial news articles"** in International Research Journal of Engineering and Technology (IRJET), Vol. 7, No. 6, pp. 1-4, ISSN: 2395-0056, June 2020.

- Mr. Harshavardhan J R, Mr. Vedanthi Karthik N, Mr. Suhas K J, Mr. Shanthanu S, Mr. Yashas H R paper title **"Multiple Vehicle Automatic Number Plate Recognition"** in JETIR, Volume 7, Issue 6, ISSN-2349-5162, June 2020.

- Pratik N N, Prajwal D, Pradeep K S, Suhas Kakade K, Mrs.Vaneeta M, paper title **"Detection of Phishing Websites Using Machine Learning Techniques"** in JETIR, Volume 7, Issue 6, ISSN-2349-5162, June 2020.

- Nithya G, Karishma A J, Nethravathi K G, Sandhya K, Mrs, Deepa S R, paper title **"Automatic Farming Robot For Smart And Effective Cultivation"** in International Journal of Scientific Development and Research (IJSDR), Vol. 5, No. 6, pp. 83-85, , ISSN: 2395-566X, June 2020.

- Raghuram G N, Ritwik G S, Surya M, Suhil K M, Mrs. Deepa S R, paper title **"Autonomy of attendance using face recognition"** in International Research Journal of Engineering and Technology (IRJET), Vol. 7, No. 6, pp. 1-4, ISSN: 2395-0056, June 2020.

- Keerthi M, Manipi Manoj, Kiran Kumar M, Dakaraju Viswa Teja, Mrs. Sougandhika N, paper title **"Detection of DDos Attack using Hybrid Machine Learning Algorithms"** in International Journal of Creative Research Thoughts (IJCRT), Volume 8, Issue 3, ISSN:2320-2882, PP- 1178-1180, June 2020.

- Shreelekha R N, Shri vidya N, Varshitha K, Rashmi Hegde, Mrs. Sougandhika N, paper title **"Food Distribution using smart Container"** in JETIR, Volume 7, Issue 6, ISSN 2349-5162, June 2020.

- Abhishek M, Aditya Shankar, Ketan K, Nagalekha Ramesh, Mr.Roopesh Kumar B.N, paper title **"Demand Drivers for Gold"** in IJRT Volume 8, Issue 2, ISSN: 2321–7529(Online) | ISSN: 2321–7510, June 2020.

- Appannagowda D, Harshitha G R, Hithaishini C, Hrishikesh C V, Roopesh Kumar B N paper in **"DIGI-SIGN"** in IJCRT,Volume 8, Issue 6, ISSN: 2320-2882, June 2020.

- Anand T R, Dhanvi P Desai, Keerthana V, Mr. Kumar K, paper title **"Assisted Distributed Kernel"** in International Journal of Scientific Development and Research (IJSDR), Vol. 5, No. 6, pp. 83-85, ISSN: 2455-2631, June 2020.

- Apoorva V Kumar, Nivetha K, Anupam R, AnanyaShree H B, Mr. Krishna Gudi, paper title **"Indoor Air Quality Monitoring System Using Machine Learning With IOT"** in JETIR, Vol. 8, No. 3, pp. 398,ISSN:2321-7510, June 2020.

- Bhavana R, Shruthi D N, Sindhushree, Sushma Basavaraj Nidoni, Mr. Krishna Gudi, paper title **"E-Commerce Application for Farmers"** in International Journal of Scientific Development and Research (IJSDR), Vol. 5, No. 6, pp. 79-82, ISSN: 2395-566X, June 2020.

- Apoorva V Kumar, Nivetha K, Anupam R, AnanyaShree H B, Mr. Krishna Gudi, paper title **"Indoor Air Quality Monitoring System Using Machine Learning With IOT"** in International Journal of Research & Technology (IJRT), Vol. 8, No. 3, pp. 93-95, June 2020.

- Sahanas, Soujanya K, Swathi M C, Mr. Sanjoy Das, paper title **"Gas leakage detection and prevention"** in JSRET, Volume 6, Issue 3, ISSN 2396-566X, June 2020.

- Sonali Sinha, Prashanth Tiwari, Prekash J W, Shalini N, Mr. Kushal Kumar, paper title **"Enhancement of crop production using data mining and machine learning technique"** in IRJET volume 7, issue 6, ISSN 2395-0056, June 2020.

- Mythresh A, Lavanya B, Meghana B S, Nisarga, Mr. Pradeep Kumar G H, paper title **"Crop Prediction Using Machine Learning"** in International Research Journal of Engineering and Technology (IRJET), Vol. 7, No. 6, pp. 1-4, ISSN: 2395-0056, June 2020.

- Akila N, Aravind P, Mohith P, Mr. Pradeep Kumar G H paper title **"Indoor Navigation Using AR Technology"** in International Journal of Scientific Development and Research (IJSDR), Vol. 5, No. 6, pp. 365-370, June 2020.

- Soumya Dattatreya Hegde, Varsha Purushotham, Vennala K N, Vidyashree S, Mr. Raghavendrachar S paper title **"Gaze PIN entry for Password Authentication"** in Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 7, No. 5, pp. 398-399, ISSN: 2349-5162, June 2020.

- Bharath H G, Greeshma S, Kavya D, Amith J S, Mr. Aditya Pai H, paper title **"Analysis And Classification Of Water Purity Based On Parameters Stated By Central Pollution Control Board"** in International Journal of Scientific Development and Research (IJSDR), Vol. 5, No. 6, pp. 404-407, ISSN: 2455-2631. June 2020.

- Monica M, Narsingh Kumar Chauhan, Mr. Prashanth H S, paper title **"Money exchange using android application"** in International Journal of Scientific Development and Research (IJSDR), Vol. 5, No. 6, pp. 94-98, ISSN: 2395-566X, June 2020.

- Sandhya D, Shalini V, Sheela, Vydehi Bhat, Mr. Prashanth H S, paper title **"Smart Ambulance with Traffic control"** in Journal of Emerging Technologies and Innovative Research(JETIR), Vol. 7, No. 5, pp. 398-399, ISSN: 2349-5162, June 2020.

- Rahul V, Rakshit Pawar, Rohit Kumar B R, Nishanth, Mrs. Ranjitha K N, paper title **"An IoT approach for motion activated security camera and surveillance system"** in IJTIR June 2020, Volume 7, Issue 6(ISSN-2349-5162) June 2020.

- Nukala Hari Vamsi Krishna, Manasa Reddy K, Akshatha S Katta, Harini B.H, Mrs. Beena K, paper title **"Diagnosis Of Diseases In Potato Leaves Using IoT"** in International Journal of Research & Technology (IJRT), Volume 8, Issue 3, ISSN: 2321–7529(Online), PP:107-112, June 2020.

- Bharath Kumar T B, Darshan G K, Navya N, Pavan Gowda B K, Sneha Karamadi, paper title **"HAND-TALK GLOVES WITH FLEX SENSOR"** in IJRTR Volume 8, Issue 3, ISSN: 2321–7529(Online) | ISSN: 2321–7510, June 2020.

- Harshitha , Sakchitanushree P, Priyanka M, Mamatha R , paper title **"A Survey on Intelligent Pillbox(Anytime Medicine)"** in IJSDR Volume 5, Issue 6, ISSN:2455-2631, June 2020.

- Harshitha, Sakchitanushree P, Priyanka M, Mamatha R, paper title **"Intelligent Pillbox (Anytime Medicine)"** in IJCRT Volume 8, Issue 6, ISSN:2320-2882, June 2020.

- Bharath P, Bhagwat Dayal, Pooja Sreedhara Murthy, Sameeksha M Gupta, Mrs. Sneha C R, paper title **"6-Legged Crawling Robot For Virtual Telepresence"** in International Journal of Creative Research Thoughts (IJCRT), Vol. 8, No. 6, pp. 1772-1781, ISSN: 2320-2882, June 2020.

- Shreyas H C, Pruthvi Patel A S, Prashanth S, Vinutha S, Mrs. Rashmi B H, paper title **"Pneumonia Prediction Using Medical Image Modality"** in JETIR, Volume 7, Issue 6, ISSN-2349-5162, June 2020.

- Vidhya Dhari L, Sandra Vaanija, Supriya C , Mrs. Vijayalaxmi M, paper title **"An Image Based Eye-Blink Assistive System For Paralyzed Patients"** in International Research Journal of Engineering and Technology (IRJET), Vol. 7, No. 5, pp. 1-6, ISSN: 2395-0056, May 2020.

- Jyothipriya, Priyanka Pandit, Savinaya Shetty , Tejaswini G, Mr, Kumar K paper title **"A Survey On Enhancement Of Captcha To Prevent Non Interactive Access"** in International Journal of Engineering Applied Sciences and Technology(IJEAST) , Vol. 5, Issue 1, pp. 389-391, ISSN 2455-2143, May 2020.

- Abhishek M, Aditya Shankar, Ketan K, Nagalekha Ramesh, Mr.Roopesh Kumar B N, paper title **"DEMAND DRIVERS FOR GOLD"** in IJCRT, Volume 8, Issue 5, ISSN: 2320–2882, May 2020.

- Aditya Mishra, Lakshya Ruhela, Jayraj Bagdawala, Manmohan Singh, Mr. Aditya Pai H, paper title **"Survey Paper On Smart Locker System"** in Journal of Applied Science and Computations (JASC), Vol. 7, No. 5, pp. 18-21, May 2020.

- Anand T R, Dhanvi P Desai, Keerthana V, Mr. Kumar K, paper title **"Assisted Distributed Kernel Self-Organizing Cloud System Built Using A Peer-To-Peer Network"** in International Journal of Creative Research Thoughts (IJCRT), Volume 8, Issue 3, ISSN:2320-2882, PP- 1-3, March 2020.

- Niharika Rajaram, Nikhila M.Y, Rajeev Koushik Y G, Monisha R, Mr. K. Venkata Rao, paper title **"Data Extraction of Digital Text and Conversion into an Audio-Visual Output"** in International Journal of Creative Research Thoughts (IJCRT), Vol. 8, No. 2, pp. 1003-1005, ISSN: 2320-2882, February 2020.

- Pratik N N, Prajwal D, Pradeep K S, Suhas Kakade K, Mrs. Vaneeta M, paper title **"Survey On Phishing Websites Detection"** in Journal of Emerging Technologies and Innovative Research(JETIR), Volume 7, Issue 2, ISSN:2349-5162, PP- 569-572, February 2020.

- Nithya G, Karishma A J, Nethravathi K G, Sandhya K, Mrs. Deepa S R, paper title **"Automatic Farming Robot For Smart And Effective Cultivation"** in International Journal of Creative Research Thoughts (IJCRT), Vol. 8, No. 2, pp. 1507-1508, ISSN: 2320-2882, February 2020.

- Raghuram G N, Rithwik G S, Surya M, Suhil K M, Mrs. Deepa S R, paper title **"Autonomy of attendance using face recognition"** in International Research Journal of Engineering and Technology (IRJET), Vol. 7, No. 2, pp. 1234-1237, ISSN: 2395-0056, February 2020.

- Shreelekha R N Shri vidya N, Varshitha K, Rashmi Hegde, Mrs.Sougandhika N, paper title **"An Excess Food Redistribution Framework Using Smart Container"** in IJCRT, Volume 8, Issue 2, ISSN 2395-566X, PP- 1-2, February 2020.

- Appanna Gowda D, Harshitha G R, Hithaishini C, Hrishikesh C V, Roopesh Kumar B N, paper in **"DIGI-SIGN"** in IJCRT, Volume 8, Issue 2, ISSN: 2320-2882, February 2020.

- Sandhya D, Shalini V, Sheela V, VydehiBhat, Mr. Prashanth H S, paper title **"Smart Ambulance with Traffic control"** in International Journal of Scientific Research & Engineering Trends (IJSRET), Vol. 6, No. 1, pp. 1-2, February 2020.

- Narshingh Kumar Chauhan, Monica M, Mr. Prashanth H S paper title **"Money exchange using android application"** in International Journal of Creative Research Thoughts (IJCRT), Vol. 8, No. 2, pp. 1507-1508, ISSN: 2320-2882, February 2020.

- Nukala Hari Vamsi Krishna, Manasa Reddy K, Akshatha S Katta, Harini B.H, Mrs. Beena K, paper title **"Diagnosis Of Diseases In Potato Leaves Using IoT"** in International Journal of Creative Research Thoughts, IJCRT | Volume 8, Issue 2, ISSN: 2320-2882, pp:323-327, February 2020.

- Shreyas H C, Pruthvi Patel A S, Prashanth S, Vinutha S, Mrs. Rashmi B H paper title **"A Survey On Medical Image Interpretation For Predicting Pneumonia"** in International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 2, ISSN:2395-0056, PP-1120-1122, February 2020.

- Shreelekha R N, Shri vidya N, Varshitha K, Rashmi Hegde, Mrs. Sougandhika N, paper title **"An Excess Food Redistribution Framework Using Smart Container"** in International Journal of Scientific Research and Engineering Trends (IJSRET), Volume 6, Issue 1, ISSN 2395-566X, January 2020.

- Akila N, Aravind P, Mohith P, Mr. Pradeep Kumar G H, paper title **" Indoor Navigation Using AR Technology"** in International Journal of Engineering Applied Sciences and Technology (IJEAST), Vol. 4, No. 9, pp. 356-359, ISSN: 2455-2143, January 2020.

Achievements by Faculty

Paper Reviewer

- Dr. Rekha B Venkatapur, Conference Paper Reviewer in International Conference on **"Multidisciplinary Technologies and Challenges in Industry - 4.0 (ICMTCI-4.0)"** Organized by East Point College of Engineering & Technology, Bengaluru in Collaboration with University of Sannio, Benevento, Italy on 18th and 19th September 2020.

- Dr. Rekha B Venkatapur, Session Chair/Reviewer in **"6th National Conference on Advancements in Information Technology"** (NCAIT-2020) at JSSATE, Bengaluru on 7th August 2020.

Awards

- Dr. Rekha B Venkatapur, Ms Kashika P H received Best Paper Presentation Award for the Paper Title **"Multiscale Recurrent YOLO(MSRYOLO) Object Detection for Video Surveillance System in International conference on Applications of Artificial Intelligence and Computational Mathematics (AAICM -2020)"** organized by Departments of CSE,ISE,MCA and Mathematics, Dayananda College of Engineering from 7th December 2020 to 9th December 2020.

- Dr. Ram P Rustagi received the prestigious award - **"Most Outstanding Professor from World Education Congress"** on 27th October 2020.

Invited As Jury

- Dr. Ram P Rustagi, Jury Member, Government of India 36hrs Techthon 2020, **"IEEE Gov-TechThon – 2020"** at IEEE Computer Society, Facilitation of Document Upload for Online Applications, 31st October 2020 and 1st November 2020.

- Dr. Ram P Rustagi, Jury Member, **"BITES Xcelerator"** Final Round Day 2 - Evaluation, June 30, 2020.

Invited Talk

- Dr. Ram P Rustagi given a talk on **"Cyber Security: End User Awareness and Man in the Middle Attack"** at BITES Annual Convention, Dayanand Sagar University, Bengaluru on 20th and 21st November 2020.

- Dr. Ram P Rustagi given a talk on **"Gamified Approach to Learn Algorithms"** at University of Visveswaraya College of Engineering, Bangalore on 10th August 2020.

Invited As Resource Person

- Mr. Aditya Pai H, Keynote Speaker for the Webinar on **"Fundamentals of Software Engineering"** organized by East West School of Business Management, Benagaluru on 25th November 2020.

- Mr. Raghavendrachar S , Resource Person for the National Level One-Week Virtual Faculty Development Programme on **"Machine Learning Based Project Architecture Design",** jointly organized by Department of ISE and E&CE, under TEQIP-III, from 15th June 2020 to 19th June 2020 at Basaveshwar Engineering College(Autonomous), Bagalkot, Karnataka, India.

Recognition

- Dr. Rekha B Venkatapur appointed as a member of **"The Board of Studies in Computer Science and Engineering(CSE/ISE)"** of Visvesvaraya Technological University, Belagavi for the duration 2019-2022.

- Dr. Ram P Rustagi appointed as a **"Chairman/Member of Constitution of Board of Examiners"** of Visvesvaraya Technological University, Belagavi for the duration 2020-2021.

Achievements by Students

- All CSE students Participated in **34th CSI Karnataka State Student Convention** (Online), Region V, organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru on 22nd and 23rd December 2020.

- Akshay R, Winner of the Event **"CAN YOU CORRECT ME",** 34th CSI Karnataka State Student Convention (Online), Region V, organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru on 22nd and 23rd December 2020.

- Rachana Giliyal, Winner of the Event **"GENERAL QUIZ",** 34th CSI Karnataka State Student Convention (Online), Region V, organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru on 22nd and 23rd December 2020.

- Raksha S, Winner of the Event **"LOGO DESIGNING"**, 34th CSI Karnataka State Student Convention (Online), Region V, organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru on 22nd and 23rd December 2020.

- Ashish Amar, Winner of the Event **"PIC CHARADES"**, 34th CSI Karnataka State Student Convention (Online), Region V, organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru on 22nd and 23rd December 2020.

- Aqsa Aqeel, Winner of the Event **"PIC STORY"**, 34th CSI Karnataka State Student Convention (Online), Region V, organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru on 22nd and 23rd December 2020.

- Chennakeshava N T, RUNNER of the Event **"CODIGO"**, 34th CSI Karnataka State Student Convention (Online), Region V, organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru on 22nd and 23rd December 2020.

- Ganesh Maudghalya H G, RUNNER of the Event **"PIC CHARADES"**, 34th CSI Karnataka State Student Convention (Online), Region V, organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru on 22nd and 23rd December 2020.

- Varshitha S, RUNNER of the Event **"SUDOKU"**, 34th CSI Karnataka State Student Convention (Online), Region V, organized by Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru on 22nd and 23rd December 2020.

- Preethi K P, Shreesha S, Syed Zain, Prajwal Kulkarni, Participated in **IEEE YOUNG PROFESSIONALS BANGALORE SECTION** organized by IEEE, Department of CSE, AIT on 28th & 29th NOVEMBER 2020.

- Shreesha S received **"BEST CHARACTER DESIGN for GAME IN GAMEATHON'20"** organized by Department of ISE, JIT on 07th and 08th NOVEMBER 2020.

- Chennakeshava N T Participated in **"MICROSOFT NASSCOM FUTURE SKILLS"** organized by MICROSOFT on 10th OCTOBER 2020.

- Susheela Priyanka Kamakoti, Monika C, Charles Thomas, Shantanu Kumar received **"SPECIAL MENTION OF THE JURY, BITES-XCELERATOR STUDENT PROJECT AWARDS"** organized by BITES on 30th JUNE 2020.

- Krithika Jagannath received **"CERTIFICATE OF MERIT, DIET-CSI STUDENT CHAPTER (REGION –V) NATIONAL LEVEL PYTHON E-QUIZ organized by DIET-CSI STUDENT CHAPTER (REGION –V)"** on 26th MAY 2020.

- Krithika Jagannath completed the Course, N.S.D.C ITM EDUTECH TRAINING PVT LTD Certificate Program in **"PYTHON PROGRAMMING"** organized by N.S.D.C ITM EDUTECH TRAINING PVT LTD from 6th APRIL TO 14th APRIL 2020.

- Lokesh B M, **"TOP PERFORMER in HACKATHON – SMART HACKS"** organized by EICT,IIT KANPUR on 28th & 29th MARCH 2020.

- Velluvayala Rakesh Srivatsav attended Workshop on **"IEEE CCEM PCW Paper Presentation"** organized by IEEE CCEM PCW on 6th MARCH 2020.

- Aafreen Hussain, Akshitha BS, Deepika SH attended Workshop - INFI-ZEAL TECHNOLOGIES, **"ROBOTICS & EMBEDDED SYSTEMS WORKSHOP"** organized by INFI-ZEAL TECHNOLOGIES, RVCE on 27th AND 28th FEBRUARY 2020.

- Shravan Bhat, Siddanth, **"CO-ORDINATOR's"** for 16TH STATE LEVEL ISTE STUDENT CONVENTION organized by ISTE and KSIT on 22nd FRBRUARY 2020.

- Krithika Jagannath attended WORKSHOP - MYCAPTAIN **"ARTIFICIAL INTELLIGENCE"** organized by MYCAPTAIN in FEBRUARY 2020.

- Ketan Keshav received **"IEEE OUTSTANDING STUDENT VOLUNTEER APPRECIATION"** by IEEE BANGALORE SECTION, Dept. of ECE, KSIT on 10th JANUARY 2020.

- Ketan Keshav Participated in **"INDIAN TECHNOLOGY-INNOVATION & ENTREPRENEURSHIP CONCLAVE (I-TEC)"** organized by I-TEC, REVA UNIVERSITY on 3rd and 4th JANUARY 2020.

Patents by Faculty

- **Dr. Rekha B Venkatapur, Dr. Swathi K, Mr. Aditya Pai H, Mr. Krishna Gudi,** Title of Invention **"Interpersonal Skills Score Card for Students using Artificial Intelligence and Methods thereof"**, Intellectual Property India, Government of India, Published on 13th November 2020.

- **Mrs. Sougandhika Narayan**, Title of Invention **"IPCM- Movable Satellite: Intelligent Propagation Impairments for Movable Satellite Communication Links at The Microwave Frequencies in Location",** Innovation Patent Australia, Australian Government, Published on 15th October 2020.

- **Mr. Aditya Pai H, Mrs. Sneha Karamadi,** Title of Invention **"Social Media Sentiments: Profile Based Mapping Social Media Sentiments Using Deep Learning Programming",** Intellectual Property India, Government of India, Published on 21st August 2020.

- **Mrs. Deepa S R, Mrs. Vaneeta M, Mr. Raghavendrachar S**, Title of Invention **"Ergonomically designed Helmet with Natural Oxygen for Prevention from Air Borne Diseases & IOT for Health Monitoring",** Intellectual Property India, Government of India, 30th July 2020.

Congratulations

- **Dr. Deepa S R** has been awarded **Doctor of Philosophy** from Vellore Institute of Technology(VIT), Chennai, India, August 2020, for the Thesis Titled **"Bio-Inspired Cluster Optimization in Wireless Sensor Network"** carried out under the Research Supervisor Dr. D. Rekha.

- **Dr. Swathi K** has been awarded **Doctor of Philosophy** from Visvesvaraya Technological University, Belagavi, Karnataka, India, July 2020, for the Thesis Titled **"Exploration Model for Software Defect Prediction to Enhance Quality Optimization in Small and Medium Level Software Firms"** carried out under the Research Supervisor Dr. Arun Biradar.

Funded Projects

The Team **UNBEATABLES** lead by **Mr. Ketan K and Team Members Mr. Anand T R, Ms. Akhila N, Mr. Appanna Gowda** under the Mentor **Mr. Aditya Pai H**, Assistant Professor received **1,00,000** by the funding agency **EngiNX - Tata Consultancy Services** of the Project Title **"WAREHOUSE AUTOMATION USING DRONES"** for the year 2019-2020 and the team completed the project successfully.

R&D Activities

- **Prof. Savitha S K** successfully completed her **Ph.D** Defense Viva-Voce on 13th July 2020 and has been awarded **Doctor of Philosophy** for the Thesis Titled **"Medical Image Processing and Analysis-Novel Image Processing Methods for Abnormality and Disease Detection in Digital Chest Radiography"** carried out under the Research Supervisor Dr. Naveen N C, Visvesvaraya Technological University, Belagavi, Karnataka, India.

- **Ms. Priyanga P** successfully completed her **Ph.D** Defense Viva-Voce in January 2020, Visvesvaraya Technological University, Belagavi and has been awarded Doctor of Philosophy for the Thesis Titled **"A Framework for Health Analytics using Machine Learning Techniques"** carried out under the Research Guide Dr. Naveen N C at the Research Center, Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru.

- **Ms. Swetha P, Ph.D** Research Scholar, Visvesvaraya Technological University, Belagavi, Successfully Completed her OPEN SEMINAR-II on 18th November 2020 of the Research Topic **"Customer Churn Prediction in the Telecom Domain using Machine Learning Algorithms"** under the Research Supervisor **Dr. Dayananda R B** at the Research Center Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru.

- **Ms. Kashika P H**, **Ph.D** Research Scholar, Visvesvaraya Technological University, Belagavi, Successfully Completed her Pre-Comprehensive Viva-Voce on 21st September 2020 of the Research Topic **"A Survey on Motion Detection for Moving Objects of Panormic Video Frames Using Multiple Surveillance Cameras"** under the Research Supervisor **Dr. Rekha B Venkatapur** at the Research Center Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru.

- **Ms. Daneshwari A Noola, Ph.D** Research Scholar, Visvesvaraya Technological University, Belagavi, Successfully Completed her Pre-Comprehensive Viva-Voce on 12th August 2020 of the Research Topic **"Techniques for Disease Identification in Multiple Crop using Image Processing"** under the Research Supervisor **Dr. Dayananda R B** at the Research Center Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru.

- **Mr. Raghavendrachar S, Ph.D** Research Scholar, Visvesvaraya Technological University, Belagavi Successfully Completed his Doctoral Committee Meeting of the Research Topic **"Unsupervised Auto Encoder Based Detection of Nutrition Deficiency in Indian Mulberry Leaves"** on 8th August 2020 under the Research Supervisor **Dr. Rekha B Venkatapur** at the Research Center Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru.

- **Ms. M Shanmugam Shoba, Ph.D** Research Scholar, Visvesvaraya Technological University, Belagavi Successfully Completed her Doctoral Committee Meeting of the Research Topic **"An Enhancement for Quantum Resistant Blockchain Through Post Quantum Digital Signature Scheme"** on 8th August 2020 under the Research Supervisor **Dr. Rekha B Venkatapur** at the Research Center, Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru.

- **Ms. Vaneeta M, Ph.D** Research Scholar, Visvesvaraya Technological University, Belagavi, Successfully Completed her Colloquium on 1st June 2020 of the Research Topic **"Novel Key Distribution and Security Framework for Node Level Communication for Wireless Sensor Networks"** under the Research Supervisor **Dr. S Swapna Kumar** at the Research Center Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru.

- **Mr. Raghavendrachar S** registered for **Ph.D** Programme in Visvesvaraya Technological University, Belagavi of the Research Topic **"Unsupervised Auto Encoder Based Detection of Nutrition Deficiency in Indian Mulberry Leaves"** under the Research Supervisor **Dr. Rekha B Venkatapur** at the Research Center Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, January 2020.

- **Ms. M Shanmugam Shoba** registered for **Ph.D** Programme in Visvesvaraya Technological University, Belagavi of the Research Topic **"An Enhancement for Quantum Resistant Blockchain Through Post Quantum Digital Signature Scheme"** under the Research Supervisor **Dr. Rekha B Venkatapur** at the Research Center, Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru, January 2020.

- **Ms. Vaneeta M, Ph.D** Research Scholar, Visvesvaraya Technological University, Belagavi, Successfully Completed her Open Seminar-II on 23rd January 2020 of the Research Topic **"Novel Key Distribution and Security Framework for Node Level Communication for Wireless Sensor Networks"** under the Research Supervisor **Dr. S Swapna Kumar** at the Research Center, Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru.

- **Ms. Swetha P, Ph.D** Research Scholar, Visvesvaraya Technological University, Belagavi, Successfully Completed her Pre-Comprehensive Viva-Voce on 16th January 2020 of the Research Topic **"Customer Churn Prediction in the Telecom Domain using Machine Learning Algorithms"** under the Research Supervisor **Dr. Dayananda R B** at the Research Center, Department of Computer Science and Engineering, K.S.Institute of Technology, Bengaluru.

100% RESULTS

Mrs. Swathi K	Information and Network Security
Mr. Harshavardhan J R	Advanced JAVA and J2EE
Mr. Aditya Pai H	Management and Entrepreneurship for IT Industry
Dr. Rekha B Venkatapur	System Modeling and Simulation
Mrs. Ranjitha K N	Internet of Things
Mr. Prashanth H S	Big Data Analytics
Mrs. Beena K	Big Data Analytics

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ABOUT THE DEPARTMENT

I would like to congratulate our department editorial team for their excellent effort in summarizing the talent, achievements and mile stones achieved by our staff and students through the departmental newsletter. KSIT ECE department not only concentrates on academic activities but also the overall personality development of students through innovations, creativity and leadership qualities. KSIT is one of the pioneer institutes in providing technical education with ethical values. Our department has dedicated teaching and supporting staff to help our students to excel in their learning and creative thinking. Our experienced and well learned faculties help use to empower a diverse community of students to nature their capabilities, transform their lives and find success through high quality teaching and learning. We encourage our students to participate in curricular and extra-curricular activities to shape them as leaders of tomorrow and to be industry ready engineers to face competitive world. Our department believes in the quotes "Education is not filling a pail, but the lighting of a fire". We ignite passion towards learning in our students.

- Dr. P N Sudha

LATEST TECHNOLOGY

NUEROSCIENCE

The study of the human brain is, obviously, the most complicated area of research. When we enter a discussion on this topic, the works of JOSE DELGADO need to be mentioned. Much of the work taking place at the NIH, Stanford and elsewhere is built on research done in the 1950s, notably that of Yale physiologist Jose Delgado, who implanted electrodes in animal brains and attached them to a "stimoceiver" under the skull. This device transmitted radio signals through the electrodes in a technique called electronic stimulation of the brain, or ESB, and culminated in a now-legendary photograph, in the early 1960s, of Delgado controlling a live bull with an electronic monitor

According to Delgado, "One of the possibilities with brain transmitters is to influence people so that they conform to the political system. Autonomic and somatic functions, individual and social behavior, emotional and mental reactions may be invoked, maintained, modified, or inhibited, both in animals and in man, by stimulation of specific cerebral structures. Physical control of many brain functions is a demonstrated fact. It is even possible to follow intentions, the development of thought and visual experiences."

Neuroscience," wrote author Tom Wolfe in Forbes magazine a couple years ago, "is on the threshold of a unified theory that will have an impact as powerful as that of Darwinism a hundred years ago." Wolfe is wowed by the combination of powerful imaging and tracking technologies that now allow scientists not only to watch the brain "as it functions"-- not only to identify centers of sensation "lighting up" in response to stimuli, but to track a thought as it proceeds along neural pathways and traverses the brainscape on its way to the great cerebral memory bank, where it queues up for short- or long-term storage. Now that you know what condition your condition is in, you know that such devices are only a stopgap measure at best in the evolutionary story. The implants you get may enhance your capabilities, but they will expire when you do, leaving the next generation unchanged.
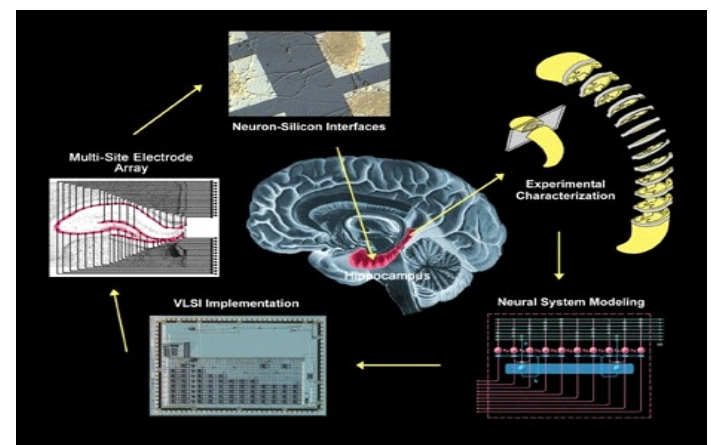
As we become more dependent on biotechnology, the standards of what is "alive" will be up for grabs. Take a look at The Tissue Culture and Art Project's semi living worry dolls, cultured in a bioreactor by growing living cells on artificial scaffolds, or the Pig Wings project, which explores if pigs could fly.

Deciding who or what, exactly, is human will be an incendiary issue in the years to come as our genetic engineering technologies progress and we go beyond implantables to actual germ-line genetic modification. We are already creating chimerical creatures by combining genes from different species. We will try to engineer improved human beings--not because we're so concerned about the intelligent machine life we are creating, but because we're human, and it's embedded in our nature to explore, tinker, and create. It will be several years before we see a practical application of the technology we've discussed. Let's hope such technologies will be used for restoring the prosperity and peace of the world and not to give the world a devastating end.

Events Conducted

- **"Five-day Academic Development Program"** was conducted for all the faculties of KSIT and external college faculties from 27th - 31st Jan 2020 by BITES and IEEE KSIT to understand the vocabulary of recent technologies so that the gap between industry and academia can be understood.

- **"Programming contest on C Programming"** was conducted on 15th Feb 2020 to test the skills on C language in general organized by IIT Kanpur.

- **"International Womens Day Celebration"** was celebrated on 9th March 2020 by KSIT IEEE STB. Mrs. Kumudhini Ravindra, the vice-chair of WIE addressed the gathering, enlightening objectives of women empowerment, the importance of values that guide women in the right path.

- **"ONLINE QUIZ ONTHE NOVEL CORONAVIRUS"** was conducted on 23rd March 2020 by KSIT IEEE STB, to educate the community on the symptoms and safety measures that must be taken during the quarantine period and to get their facts right and not fall prey to rumours.

- Virtual Inauguration of **"IEEE KSIT Signal Processing Society Student Branch Chapter"** and a webinar on Carl Fredreich Gauss and signal Processing was conducted in 30th March 2020 by KSIT IEEE.

- IEEE KSIT SB held an "**EXECOM Meet"** online on 29th April, 2020 to discuss the events conducted & planned for all EXECOM members.

- EVENT: **"CODE / n WIN 1.0"** event was conducted on 4th May 2020 by KSIT IEEE STB with WIE affinity and IEEE KSIT SPS to students of various colleges to improve the technical competency of students.

- Workshop on **"Adobe Illustrator and Adobe XD"** was conducted on 19th - 20th April by Ketan Keshav to expose participants to Adobe Illustrator and Adobe XD.

- **"Introduction to Matlab and Simulink Products"** was conducted on 21st - 22nd June 2020 by IEEE. The workshop covered areas of Image Processing using MATLAB, Artificial Intelligence Development using MATLAB and Model based design using Simulink.

- Webinar on **"How to launch your own startup"** was 21st June 2020 by IEEE by resource person Mr. Raghav Naidu G is the CEO of G-MART and co-founder of Health Shotz.

- A talk on "opportunities on internship" was held on 1st and 2nd July 2020 organized by IEEE to all the members of IEEE.

- A talk on 'Internship in Data Science" was held on 3rd July 2020 which was organized by IEEE to all the members of IEEE by the key person Mr Niranjan Balaji, Managing director, Raspol Technologies Pvt Ltd.

- Event on "Exploring Data Science" was conducted by KSIT IEEE STB on 4yth July 2020 for the faculties and students of KSIT. Dr Jyothi Munavalli was the key resource person.

- **"Introduction to ML and Full Stack Development"** talk was organized on 8th July 2020 by IEEE. Mr Rahul Kumar K, CEO of Inversa Technosoft was the resourse person.

- Quiz on account of **"latest trending technologies"** was held on 8th September 2020 by IEEE to all the EXECOM members conducted by IEEE.

- **"WIE talk: Sustainability over menstrual cycle"** was held on 12th September 2020 organized by IEEE to all the staff and students by Dr Hamsaveni Srinivasan.

- **"Webinar on Short range Wireless Communication"** was held on 14th September 2020 by IEEE to all EXECOM members.
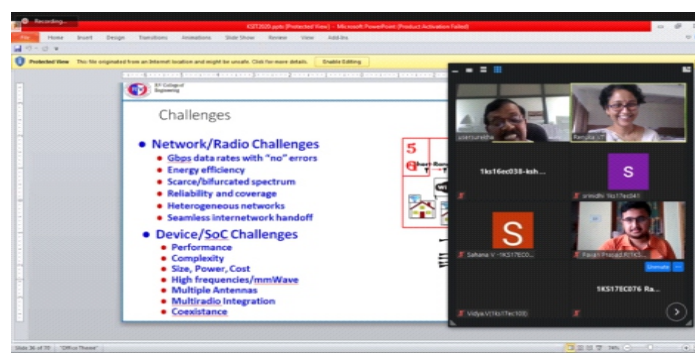
- "**Poster Making Contest"**, Ideathon and IEEE celebreation Day was held on 15th October 2020 by IEEE to all the students.

- Talk on **"Getting started with equations in MS powerpoint"** was held on 28th October 2020 by IEEE along with WIE affinity and SPS KSIT and Dept. ECE to all the students and staff.

- **"Annual Valedictory Function"** was held on 31st October 2020 hosted by IEEE KSIT along with its WIE affinity, SPS KSIT and Dept. of ECE to all the staff and students. Dr KVA Balaji. Principal of KSIT and HOD of ECE Dept. and WIE Chair IEEE KSIT were the resource persons.

- Webinar on **"Design of Antennas using Simulation Tools"** on 18th December 2020 organized by IETE to all the Students and Faculties. Dr Tanweer Ali, Senior Assistant Professor, Dept of ECE, Manipal Institute of Technology.

- 6 days Refresher Program on **"5G and its Implementation workshop"** was held from 21st – 26th December 2020 organized by AICTE – ISTE to all the faculties.

Events Attended by Faculty

- Dr. P N Sudha, Dr.B.Surekha, Mr. Christo Jain, Mr. Saleem S Tevaramani, Mrs.Pragati P, Mrs. Aruna Rao B. P, Mrs. Sahana Salagare, Mrs. Bhargavi Ananth, and Mrs. Pooja S attended a 5 day FDP on **"Insights into the vocabulary of Modern Technologies"** on 27th – 31st Jan 2020 organized by KSIT, Bangalore.

- Dr. P N Sudha attended a 3 day FDP on **"5G and its impact on internat of things"** on 9/7/2020 to 11/7/2020 organised by Vemana Institute of Technology, Bengaluru.

- Dr. P N Sudha attended a 6 day FDP on **"Advances in signal processing and wireless communication"** on 24/8/2020 to 29-08-2020 organised by Rajeev Institute of Technology,Hassan.

- Dr. P N Sudha attended a 6 day FDP on **"Microwave and antenna applications in 5G"** on 8/12/2020 to 13/12/2020 organised by IEEE AP-MTT CHAPTER & IEEE Bangalore section.

- Dr. P N Sudha attended a 6 days STTP Phase III on **"Cyber Criminology and network security"** on 14/12/2020 to 19/12/2020 organised by Gopalan college of Engg and Management.

- Dr. P N Sudha, Dr.B.Surekha, Dr B.Sudarshan, Mr. B.R. Santhosh Kumar B.R, Mrs. Vishalini Diwakar, Mrs. Jayasudha B.S.K, Mr. Sunil Kumar G.R, Mrs. Sangeetha. V, Mr. Praveen A, Mr. Christo Jain, Mrs.Pragati P, Mrs. Aruna Rao B. P, Mrs. Sahana Salagare, Mrs. Pooja S, Mrs. Smitha Mallya, and Mrs. Yeshwini V attended a 6 days **"Induction program on Next Generation Wireless communication:5G Technology"** and its Implementation on 21/12/2020 to 26/12/2020 organized by KSIT, Bangalore.

- Dr.B.Surekha attended a one week FDP on **"Xilinx Vivado Technique and Machine learning Algorithm"** on 8/6/2020 to 12/6/2020 organized by NITTE Meenakshi Institute of Technology, Bengaluru.

- Dr.B.Surekha and Mrs.Pragati P attended a one week FDP on **"Xilinx Vivado Technique and Machine learning Algorithm"** on 20/6/2020 to 24/6/2020 organized by Raja rambapu Institute of technology, Rajaram nagar.

- Dr.B.Surekha attended a one week FDP on Research opportunities in **"Image processing and Machine Learning"** on 29/6/2020 to 3/7/2020 organized by Chaitanya Bharathi Institute of Technology.

- Dr.B.Surekha attended a 6 days FDP on **"Machine learning with Python"** on 13/7/2020 to 18/7/2020 organized by KKR & KSR Institute of Technology &Sciences, Andhra Pradesh.

- Dr.B.Surekha and Mrs. Yeshwini V attended a 3 days FDP on **"Insights on antenna, Satellite and Radar communication"** on 10/8/2020 to 12/8/2020 organized by KSIT, Bangalore.

- Dr.B.Surekha attended a 6 days training program on **"Graphical System Design Approach for signal and Image Processing Applications"** on 2/11/2020 to 7/11/2020 organized by R.V.R & J.C college of Engineering, Guntur.

- Dr B.Sudarshan , Mr. B.R. Santhosh Kumar B.R, Mrs. Jayasudha B.S.K, Mr. Sampath Kumar, Mrs. Sangeetha. V, Mrs.Pragati P, Mrs. Shilpa V attended a 2 days FDP on **"Problem Solving with Python"** on 3/1/2020 to 4/1/2020 organised by KSIT, Bangalore.

- Dr B.Sudarshan attended a 6 days National Workshop on **"OBE & NBA"** on 13/1/2020 to 18/1/2020 organised by KSIT, Bangalore.

- Dr B.Sudarshan , Mrs. Sangeetha. V, Mrs.Pragati P, Mrs. Sahana Salagare attended a 2 days FDP on **"Matlab and Simulink Products"** on 22/6/2020 to 23/6/2020 organised by KSIT, Bangalore.

- Dr B.Sudarshan and Mrs. Smitha Mallya attended a 3 days FDP on **"Recent trends in wireless communication technologies"** on 3/8/2020 to 5/8/2020 organised by Bangalore institute of technology, Bengaluru.

- Mrs. Vishalini Diwakar attended a 3 days FDP on **"Outcome Based Education** -NBA" on 17/7/2019 to 19/7/2019 organised by KSIT, Bangalore.

- Mrs. Jayasudha B.S.K attended a 6 days FDP on **"Advanced topics and applications of machine learning"** on 31/8/2020 to 5/9/2020 organised by NMAM Institute of technology, Karnataka.

- Mr. Sampath Kumar attended one week workshop on **"Application of optimization techniques and number theory in Engineering Sciences"** on 16/1/2020 to 21/1/2020 organised by MSRIT, Bengaluru .

- Mr. Sampath Kumar attended 5 days FDP on **"Sensors & their Application"** on 13/7/2020 to 17/7/2020 organised by Vemana Institute of Technology, Bengaluru.

- Mr. Sampath Kumar attended 5 days FDP on **"Deep learning and natural language processing using modern tools"** on 21/7/2020 to 25/7/2020 organised by Bangalore institute of technology, Bengaluru.

- Mr. Sampath Kumar attended 5 days FDP on **"Advanced microcontrollers & Python programming"** on 11/8/2020 to 15/8/2020 organised by Jyothy Institute of Technology, Bengaluru.

- Mr. Saleem S Tevaramani attended a 5 days FDP on **"Python for Data Science"** on 1/6/2020 to 5/6/2020 organised by Raghu engg College, Vizag.

- Mr. Saleem S Tevaramani attended a 7 days Symposium on "**NAAC Accreditation Process"** on 23/11/2020 to 30/11/2020 organised by B.M.S College for women,Bengaluru.

- Mr. Saleem S Tevaramani attended a 5 days STTP on **"Machine learning and its applications on cyber security"** on 26/12/2020 to 31/12/2020 organised by Gandhi Institute for education and technology.

- Mrs.Pragati P attended a 5 days FDP on "**Contemporary Research Trends"** in electronics and communication on 6/7/2020 to 10/7/2020 organised by VTU, Kalaburgi.

- Mrs.Pragati P attended a 5 days FDP **"IoT and Wireless Sensor Networks"** on 27/7/2020 to 31/7/2020 organised by Brindavan college of engineering, Bengaluru.

- Mrs. Aruna Rao B. P attended a one week FDP on "**Online Learning and Assessment"** system on 18/6/2020 to 22/6/2020 organised by IOE, Kalaburgi.

- Mrs. Aruna Rao B. P attended a 5 days ADP on **"Recent IT Technologies"** on 20/6/2020 to 24/6/2020 organised by KSIT, Bangalore.

- Mrs. Bhargavi Ananth attended a 5 days FDP on **"Engineering Statistics and Linear Algebra"** on 31/12/2020 to 04/1/2020 organised by BMSIT, Bangalore.

- Mrs. Priyadarshini J Patil attended a one week workshop on **"Recent trends in Electrical Engineering"** on 20/7/2020 to 26/7/2020 organised by Amrita school of Engineering, Bangalore.

- Mrs. Yeshwini V attended a 2 days workshop on **"Web Development using Real Time APIs"** on 6/7/2020 to 7/7/2020 organised by KSIT, Bangalore.

Book Chapter Publications
by Faculty

- P N Sudha,B Devika, **"Power-Cognizant Proactive Routing Protocol for Amending Energy in Ad-hoc Networks"**, Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 601), pp 152-159,2020 DOI:10.1007/978-981-15-1420-3_17 Corpus ID: 219471495

- Surekha Borra, **"COVID-19 Apps: Privacy and Security Concerns"**, Intelligent Systems and Methods to Combat Covid-19, Springer Briefs in Applied Sciences and Technology. Springer, Singapore., Chapter 2, pp. 11-17, 2020, Online ISBN: 978-981-15-6572-4.

- Surekha Borra, P.Pratiksha, K.Pooja, Onkar Misran**, "Automation of Anomaly Detection in Warehouses: A Machine Learning-Based Approach"**, Lect. Notes in Networks, Syst., Vol. 169, Proceeding of First Doctoral Symposium on Natural Computing Research, Chapter 16, 2020, ISBN: 978-981-33-4072-5.

- Surekha Borra,TaliVeerappa Renuka, **"Acute-Lymphoblastic Leukaemia Detection through Deep Transfer Learning Approach of Neural Network",** Lect. Notes in Networks, Syst., Vol. 169, Proceeding of First Doctoral Symposium on Natural Computing Research, Chapter 17, 2020, ISBN: 978-981-33-4072-5.

Publications by Faculty

- P N Sudha, Prathima B A, Suresh P. M, "**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

- P N Sudha, Devika B, **"Power optimization in manet using topology management, Engineering Science and Technology"**, International Journal Vol. 23, No.3, pp 565-575, June 2020, ISSN: 2215-0986.

- Surekha Borra, Nilanjan Dey, **"Misinformation about COVID-19 and confidential information leakage: Impacts on the psychological well-being of Indians"**, Current Psychiatry Research and Reviews, Vol.16, No.4, pp.283-287, 2020, ISSN:2666-0822.

- Surekha Borra, Ambika Annavarapu, Rohit Thanki, **"Progression in Biometric Recognition Systems and its Security"**, Recent Patents on Engineering, Vol. 14, No.1, 2020, ISSN: 1872-2121, [Accepted, In Press] DOI: 10.2174/1872212114999200918122905.

- Surekha Borra, Ambika Annavarapu, **"Development of magnetic resonance image de-noising methodologies: A comprehensive overview of the state–of–the-art",** Smart Health, Vol. 18, Nov. 2020, E-ISSN:2352-6483.

- Aruna Rao B P, Shanthi Prasad M J, **"Design of Functionalities of a Programmable High Speed I/O, Perspectives in communication, Embedded-Systems, and signal – processing"**, International Journal, Vol4, No 2, pp 1-5,2020, ISSN: 2395-566X.

- Christo jain, Manju V C, **"Wireless Power Transfer System witch array of Aerial for short distance application"**, International conference on Recent Trends in science and Technology ICRTST - 2020, organized by ATME college of engineering, Mysuru held on 17th and 19th June 2020.

- Christo, Manju V Jain, "**Cost-effective wireless power transfer system form solar using aerial technology"**,4th International conference on Trends in electronics and informatics (ICOEI), SCAD Collage of engineering ,15-17 June 2020, Tirunelveli, Tamil nadu.

- Sampath Kumar Shanthi Prasad M J, **"A Survey on machine learning enabled SWARM robots for Autonomous and Precision Agriculture",** International Conference on Science, Engineering and Management, Jan 24th -25th, 2020 ISSN: 978-93-89107-71-5.

- P N Sudha, Prathima B A, **"Electronic Gauge for Micron Measurement and its Relevance to Industry 4.0"**,2nd International Conference on Adaptive Computational Intelligence, (ICACI-2020), GSSS Institute of Engineering and Technology for Women, Mysuru, 15th – 16th Dec 2020.

- B Surekha, Ritu Patil, Vishal Goutham N," **Detection of Piracy: Approaches and Challenges"**,2nd International Conference on Adaptive Computational Intelligence, (ICACI-2020), GSSS Institute of Engineering and Technology for Women, Mysuru, 15th – 16th Dec 2020.

- Sampath Kumar Shanthi Prasad M J, **"A technology review and a holistic study of adaption of advanced machine learning technology in paddy crop cultivation and management"**,3 – Day International Conference (Online) on Science, Dec 7th - 9th Dec 2020.

Publications by Students

- P N Sudha, Abhishek A Nandyal, Aditya D M, Karthik K, Manikandan G, **"Unmanned Underwater Vehicle for Monitoring Aquatic Ecosystem",** International Journal of Engineering Applied Sciences and Technology, Vol.4, No. 11,pp493-497, 2020 ISSN: 2455-2143. Impact factor : 4.982

- P N Sudha, Kadri Srinidhi Rao, Jeevitha Kalaashilpa N.C, Bhagya Shree S J, Ashwini S, **"Literature Survey on A Bore Well Rescue Bot",** International Journal of Latest Engineering and Management Research, Vol. 05, No.05, pp 5-8, 2020 ISSN: 2455-4847, Impact factor : 2.545

- P N Sudha, Kadri Srinidhi Rao, Jeevitha Kalaashilpa N.C, Bhagya Shree S J, Ashwini S, **"Raksha – A Bore Well Rescue Bot"**, International Journal for research in Engineering Applications & Management, Vol.06, No.03, pp67-69,2020, ISSN: 2454-9150,Dol:10.35291/2454-9150.2020.0440

- P N Sudha, Abhishek A Nadya, Aditya D M, Karthik K, Manikandan G, **"A literature survey on unmanned water vehicle for monitoring aquatic eco system"**, International Journal of Engineering and Applied Sciences and Technology Vol.5, No.2,pp599-601,2020,ISSN:2455-2143, Impact factor: 4.982

- P N Sudha, Navin Kumar H G,Navya S, Pratima Agnihotri, Pratima V Kashyap, **"Literature Review on Hybrid Temperature Sensing and Monitoring System with Built-in sanitizer"**, International Advanced Research Journal in Science Engineering and Technology, Vol. 7, No. 12, pp. 66-70, 2020, ISSN: 2393-8021, DOI: 10.17148/IARJSET.2020.71213

- Sangappa S.B, T.G Nithya, Sheethal J Rao, Ravi Teja M, Sachin M G, **"Medicines Any Time"**, International Research Journal of Engineering and Technology, Vol.07, Issue. 07, 2020, pp-2510-2513, e-ISSN:2395-0056, p-ISSN:2395-0072, Impact Factor:7.529

- Sangappa S.B, T.G Nithya, Sheethal J Rao, Ravi Teja M, Sachin M G, **"Medicines Any Time**", Journal of Applied Science and Computations, Vol.07, No.05, pp 50-53,2020, ISSN:1076-5131, Impact Factor: 5.8

- Sangappa S B. Pooja P G, Yash Rai, Sumukha S Ram, Akash B N, **"Communication in LI-FI"**, Journal of Emerging Technologies and Innovative Research, Vol. 07, No. 08, pp-1425-1429,2020, ISSN:2395-5162

- B. Sudharshan, Likhitha Y, Brunda S, Deepika, M, L S Babyram, **"A Survey on Automation of Manually operated Devices"**, International Research Journal of Engineering and Technology, Vol.07, No.02, pp1298 - 1300, 2020, ISSN: 2395-0056, Impact Factor: 7.529

- B. Sudharshan, P Hemantha Chowdary, Ashok Kumar, Prabhavathi K, Tejaswini B, **"Smart Electricity Monitoring for Home Appliances",** International Research Journal of Engineering and Technology, Vol.07, No 06, pp-1244-1249,2020, e-ISSN:2395-0056, Impact Factor: 7.529

- B Sudarshan, BrundaS,Deepika M, L S Babyram, Likhitha Y , **"Automation of Manually Operated Devices",** International Research in Applied Science & Engineering Technology, Vol.08, No.8, pp. 411 - 416,2020, ISSN: 2321-9653, Impact Factor:7.429.

- Santhosh Kumar B R, M S, M Surya, Namita L Rao, Pratham Kumar D, **"On-Board Aircraft Ultrasonic Bird Repeller"**, International Journal of Engineering Applied Sciences and Technology, Vol.05, No3,pp 208-224, 2020, ISSN:2455-2143, Impact Factor: 4.982

- Santhosh Kumar B.R, Harsha C M, Akash Mahantesh Hosmani, Rakesh K M, Naveen, **"Smart Mopping Robot"** International Journal of Engineering Applied Sciences and Technology, Vol.07, No. 08, pp 1188-1191,2020 e-ISSN:2395-0056, Impact Factor: 7.529, ISO 9001: 2008 Certified Journal.

- Vishalini Diwakar, Shreya Srinivas, Sarah Ahmed, Saurav Kumar, Spurthi M K, **"Survey Paper on Power Generation Using Piezo Electric Material"**, International Research Journal of Engineering and Technology, Vol.07, No.05, pp: 5137 - 5141, 2020, e-ISSN: 2395-0056, Impact factor: 7.529

- Vishalini Diwakar, Ayush Raj, Rahul Kumar, **"Operation Theatre Automation and control (OTAC)"**, International Research Journal of Engineering and Technology, Vol.07, No.06,pp: 1244 – 1248,2020,e-ISSN: 2395-0056, Impact factor: 7.529

- Vishalini Diwakar, Shreya Srinivas, Sarah Ahmed, Saurav Kumar, Spurthi M K, **"Commuting Aid for Visually Impaired People"**, International Research Journal of Engineering and Technology, Vol.07, No. 08, pp: 1231 -1234,2020, e-ISSN: 2395-0056, Impact Factor: 7.529

- Jayasudha B S K, Sahana D, Madhu G, Sahana K G, **"Implementation of off-Hospital Rural and Urban Public Access Defibrillator"**, Perspectives in Communication Embedded- systems and Signal-Processing, vol.04, No. 06, pp 229-233, 2020, ISSN:2566-932X

- Jayasudha B S K, Sahana D, Madhu G, Sahana K G, "**Implementation of off-Hospital Rural and Urban Public Access Defibrillator**", International Research Journal of Engineering and Technology, Vol 7, No 2, PP 1 - 6, 2020, ISSN: 2395-0072, Impact Factor:7.59.

- Jayasudha B S K, Aaliya Zainab, Neha J Kotwal, Anusha Raj D, P.N Sudha, **"A Survey on Detection of Ventricular Fibrillation using Wavelet Analysis"**, International Research Journal of Engineering and Technology, Vol.07, No: 06, pp.1-3, 2020, ISSN : 2395-0072, Impact Factor:7.59

- Jayasudha B S K, Anagha A Kashyap, Anusha L, Rachana S, Sahana V, **"Machine learning techniques for cardiovascular score prediction – A review",** International Research Journal of Engineering and Technology, Vol.08, No. 01, pp: 1792 - 1798,2020, e-ISSN: 2395-0056, Impact Factor: 7.529, ISO 9001: 2008 Certified Journal

- Jayasudha B S K, P N Sudha, Apeksha Ravi Kumar, Divya T M, Lekha Yadav B, **"Precision agriculture -A review on its techniques and technologies"**, International Research Journal of Modernization in Engineering Technology and Science, Vol.02, No. 09, pp: 1326 - 1332,2020 e-ISSN: 2582-5208, Impact Factor: 5.354

- Sampath Kumar S, Ravi Nandan, Lokesh S, Nikita Balappa Narasannavar, Pratyusha S A, **"Swarm Robotics for Agriculture",** International Research Journal of Engineering and Technology, Vol. 07, No. 2, pp. 330-332, 2020, e-ISSN: 2395-0056, Impact Factor:7.59

- Sampath Kumar S, Deemanth K Mohammed Waleed, Bharath R, **"Smart Traffic System Using Load cells and IR Sensors",** International Research Journal of Modernization in Engineering Technology and Science, Vol. 02, No.08, pp. 9-16,2020 e-ISSN: 2852-5208, Impact Factor: 5.354

- Sampath Kumar S, Ravi Nandan, Lokesh S,Nikita Balappa Narasannavar, Pratyusha S A, **"Modern Agriculture using Swarm Robots"**, International Journal of Advance in Engineering and Management, Vol.02, No. 04, pp: 67 - 70,2020, e-ISSN: 2395-5252, ISO 9001: 2008 Certified Journal, DOI: 10.35629/5252-02046770

- Sunil Kumar G.R, Sonia Stanley Louis, D.S Hemalatha, S Meghana, J.S Saraswathi, **"Citrus Fruit Classification"**, International Journal of Research in Engineering, Science and Management, Vol. 03, No 7, pp. 330-332, 2020, ISSN(Online): 2581-5782, Impact Factor: 4.308

- Sangeetha V, Bhoomika P M, Sonika V, Suma B S, Vismitha S S, **"Segregation of waste – A survey"**, International Research Journal of Engineering and Technology, Vol. 07, No. 2, pp. 384-386, 2020, e-ISSN:2395-0056, Impact Factor:7.529

- Sangeetha V, Divyalakshmi, Deepa R, Komal Khandelwal, Lakshmi Priya K, **"A Survey on various methodologies used to detect gas leakage and Automatic booking system",** International Research Journal of Engineering and Technology, Vol. 07, No. 2, pp. 1478-1479, 2020, e-ISSN: 2395-0056, Impact Factor: 7.529

- Sangeetha V, Sudha P.N, **"Analysis of Bit Error Rate on M-array QAM over Gaussian and Rayleigh Fading Channel"**, International Journal of Innovative Technology and Exploring Engineering Vol.09, No – 6, pp482-485,2020, ISSN:2278-3075.

- Sangeetha V, Bhoomika P M, Sonika V, Suma B S, Vismitha S S, **"Automatic Segregation of Waste Using Robotic Arm",** International Journal of Engineering and Technology, Vol.07, No. 07, pp 1-7, 2020, e-ISSN:2395-0056, Impact factor :7.529

- Sangeetha V, Divyalakshmi G, Deepa R, Komal Khandelwal, Lakshmi Priya K, **"Automatic Gas Leakage Detection and Booking System"**, International Research Journal of Engineering and Technology, Vol. 07, No.08, pp. 409-411, 2020, e-ISSN:2395-0056, Impact Factor: 7.529, ISO 9001: 2008 Certified Journal

- Praveen A, Vasudev Updhya K S, Vignesh Kumar V, Tejas P, Praveen Tulasidas Naik**, "A Literature Survey on Miniature water purifier Based on IOT"**, International Journal of Engineering Applied Sciences and Technology, Vol.05, No3, pp 228-330, 2020, e-ISSN:2455-2143, Impact Factor: 4.982

- Praveen A, Anirudh K N, Sudhanshu S Sharma, Vivek, **"Unified Meter for Electricity, Gas and Water with Automatic Billing and Payment"**, International Research Journal of Engineering and Technology, Vol. 07, No 05 pp. 3755-3757, 2020, e-ISSN: 2395-0056, Impact Factor: 7.529

- Christo Jain S, Neha N V, Sadhvika Chandra R, **"Design of Portable classroom Attendance system and parking lot system including the database updating process based on Arduino and Fingerprint Biometry"**, Journal of Applied Sciences and Computations, Vol. 07, No 3, pp. 12-162020, ISSN: 1076-5131, Impact Factor: 5.8

- Pragati P, Shrinidhi N S, Shylesh Raj T D, Skanda N, **"Gyro-assisted multi terrain rover"**, International Research Journal of Engineering and Technology, Vol.07, No. 08, pp. 2061-2065, 2020, e-ISSN: 2395-0056, Impact Factor: 7.529,   ISO 9001: 2008 Certified Journal.

- Saleem S Tevaramani, Priya S, Varshani K S, Vidhya K.S, Vidya B, **"Automatic Ration Distribution",** Journal of Applied Science and Computations, Vol.07, No. 5, pp 54-58,2020, ISSN: 1076-5131, Impact Factor: 5.8

- Saleem S Tevaramani, Rashmi S, Ramya M S, Haritha K, **"Implementation of Bit Interleaves used in Flexible Modulation"**, International Research Journal of Engineering and Technology, Vol. 07, No. 01, pp. 3942-3947,2020, e-ISSN: 2395-0056, Impact Factor: 7.529

- Saleem S Tevaramani, Rashmi S, Ramya M S, Haritha K, **"Bit interleaves for flexible modulation scheme"**, Journal of Applied Sciences and Computations, Vol. 07, No.1,pp 18- 20, 2020, ISSN: 1076-5131, Impact Factor: 5.8

- Sahana Salagare, Harshini B.S, Meenakshi, Arpitha C V, Chandrakala K S, **"An Applications and Research Challenges of Underwater Communication DevicesA Review",** International Journal of Electronics and Communication Engineering Vol. 7, No.2, pp 1-2, 2020,ISSN: 2348-8549

- Sahana Salagare, P N Sudha, Harshini B S, Meenakshi A, Arpitha C V, Chandrakala K S, **"Self-powering system for under water sensor node",** International Journal of Engineering Applied Sciences and Technology, Vol. 5, No. 4, pp 442-444,2020, ISSN 2455-2143

- Aruna Rao B P, Meghashree V, Namratha Ganesh, Namrata Gopal, **"Smart Village"**, International Journal of Electronics and Communication Engineering, Vol 7, No.7, pp 4-13, 2020, ISSN: 2348-8549

- Aruna Rao B P, Shivani K, Srividya V R, Sushmita K N, **"FFT Computation for Butterfly Unit using Verilog HDL"**, Global Research and Development Journal for Engineering, Vol 5, No3, pp17-20, 2020, ISSN:2455-5703

- Shilpa V, Vinod Kumar P, Harshith K, **"Electricity Generation at Speed Breakers"**, International Journal of Scientific Research and Engineering Trends, Vol 6, No 3, pp 1-5 2020, ISSN(Online): 2566-932X, Impact Factor: 2.504

- Bhargavi Ananth, Shreyas K V, Krishna D, Sananda Rao K S, Suhas M.V, **"Multi account embedded atm card with Fingerprint recognition"**, Journal of Applied Science and Computations, Vol 7, No 7, pp 188-190, 2020, ISSN: 1076-5131, Impact Factor:5.8

- K S Priyadarshini Patil A, Nandan Gowda S.H. Jayram Haresh Tharun, Ashik B N, Deepak Lamani, **"Smart Voting System using Face Recognition",** International Research Journal of Engineering and Technology, Vol 07, No 6, pp311-314, 2020,e-ISSN:2345-0056, Impact Factor: 7.529

Achievements by Faculty

- Dr. P N Sudha invited as a Resource Person for 4 day international webinar series on "**Recent Trends in Information Technology Entrepreneurship and Innovation"** at SMVIT, Bengaluru from 17/7/2020 to 20/7/2020.

- Dr. P N Sudha invited as a Resource Person for 6 days Induction program on "**Next generation wireless communication :5G technology and its implementation**" at KSIT, Bengaluru from 21/12/2020 to 26/12/2020.

- Dr. P N Sudha invited as a **Session Chair** for 34th CSI Karnataka state student convention at KSIT, Bengaluru from 22/12/2020 to 23/12/2020.

- Dr. P N Sudha was invited as a **Judge** for Idea/PoC Pitching & Validation at SMVIT, Bengaluru on 28/12/2020.

- Dr. B. Surekha recognized as evaluator for M.Tech Dissertation report titled **"Cyber Security in Vehicular Communication"**, RV College of Engineering, Bangalore on 28/8/2020.

- Dr. B Surekha invited as a **"Reviewer for Editors of Biomedical Signal Processing and Control"** at Elsevier on 10/10/2020.

- Dr. B. Surekha, Professor recognized as a **"Reviewer for Springer"** on International Journal of Speech Technology on 31/10/2020.

- Dr. B. Surekha, Professor was recognized as a **"Reviewer for Elsevier"** on Digital Signal Processing on 13/11/2020.

- Dr. B. Surekha, Professor recognized as a **"Reviewer for International Journal of Speech Technology, Springer"** on 31/11/2020.

- Dr. B. Surekha recognized as a **"Reviewer for Computers"** in Biology and Medicine Journal, Elsevier in Dec 2020.

- Dr. B. Surekha recognized as Doctoral Committee Member for PhD thesis on **"Abnormal Event Detection for Video Surveillance Applications",** JSS University of Science and Technology, Mysuru on 13/12/2020.

- Dr. B. Surekha recognized as a **"Reviewer for ACM Transactions on Internet Technology"** on 18/12/2020.

- Dr. B. Surekha, recognized as a **"Reviewer for Elsevier on Computers in Biology and Medicine"** on 23/12/2020.

- Dr. B. Surekha invited as a **"Session Chair and Reviewer for 34ᵗʰ CSI Karnataka state student convention"** at KSIT, Bengaluru from 22/12/2020 to 23/12/2020.

- Dr.Sangappa S B invited as a "**Evaluator for Ph.D Thesis for Thesis verification"** at Rabindranath Tagore University, MP, BHOPAL on 19/01/2020.

- Dr.Sangappa S B invited as a Chief Guest for FDP in **"Microcontroller &Embedded systems"** at JSSATE, Bengaluru during 20/02/2020.

- Dr.Sangappa S B, Elected as a **National Executive Council member of ISTE National executive council,section chairman & section managing committees** for the term 2020-2024 at ISTE,New Delhi during July 2020.

- Dr.Sangappa S B, invited as a **verification committee** for Karnataka state open university at Karnataka state open university , Mysore on 20/08/2020.

- Dr.Sangappa S B, invited as a **GEDC Regular member for Global Engineering Dean's Council at GEDC** on 03/10/2020.

- Dr.Sangappa SB, **chief coordinator for AICTE-ISTE induction/Refresher** program at KSIT, Bengaluru on 21/12/2020.

- Dr.Joy Prabhakaran invited as a **Session Chair and Judge for 34th CSI Karnataka state student convention** at KSIT, Bengaluru on 22/12/2020 to 23/12/2020.

- Mrs.Jayasudha B.S.K as a I**EEE Student Branch Counsellor** attended for IEEE Bangalore Section at Bengaluru in 10/01/2020.

- Mrs.Jayasudha B.S.K invited for a **motivational talk on Importance of IEEE** membership at KSSEM Bengaluru on 20/10/2020.

- Mrs.Jayasudha B.S.K **Volunteered as proctor on IEEE Xtreme 14.**0 programming competition at Bengaluru on 24/10/2020.

Funded Projects

- Dr. P N Sudha has received a fund of Rs.5500/- for the project entitled **"RAKSHAK - A BORED WELL RESCUE BOT"** by Karnataka State Council for Science and Technology by KSCST-43ʳᵈ series during March 2020.

- Mrs. Sangeetha V has received a fund of Rs.4500/- for the project entitled **"AUTOMATIC SEGREGATION OF WASTE USING ROBOTIC ARM"** by Karnataka State Council for Science and Technology by KSCST-43ʳᵈ series during March 2020.

- Dr.B. Surekha received Rs 3 Lakhs as **"Research Grant for Scientists/Faculty (RGS/F)"** [FY:2019-20], from Government of Karnataka, Vision Group on Science and Technology, Department of Information Technology, Biotechnology and Science and Technology on 10/11/2020.

100% Results

|	
Mrs. Sangeetha V	**Satellite Communication**
Mrs. Aruna Rao B P	**Verilog HDL**
Dr. Sangappa S B	**Wireless Cellular and LTE 4G Broadband**
Mrs. Pooja S	**Wireless Cellular and LTE 4G Broadband**
Mrs. Sahana Salagare	**Fibre Optics and Networks**
Mr. Saleem S Tevaramani	**Radar Engineering**

Magazines

Electronics For You is the digital avatarof Electronics For You magazine. It waslaunched in 1969, and is countedamongst the leading publications inthe fields of electronics and technology- across the globe. They cater to theelectronics fraternity with the aim todiscuss latest technology and trends,and to share knowledge.

ELE Times provides a comprehensive global coverage of Electronics, Technology and the Market. It is a leading source of electronics news, design ideas, articles, learning centre, latest technologies, innovations, market insights and more.

Fierce Electronics is the primary news and information source for design engineers and engineering management, covering the business and technology aspects related to the entire electronics industry; focusing on sensors, embedded systems, power management, analog, components, and IoT.
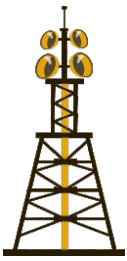
DEPARTMENT OF TELECOMMUNICATION AND ENGINEERING

ABOUT THE DEPARTMENT

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. The key to success is hard work and determination. The foundation stones for such a balanced success of our department are the honesty, integrity, faith and loyalty of our human resource. I would like to acknowledge the hard work and eulogize the students for actively involving and winning in various activities. Our department managed the pandemic situation very well by effectively conducting online class. Students also got accustomed to the new digital platform of learning. Both faculty and students fought the uncertain situation of COVID-19. Awareness program was conducted regarding adaption to the COVID pandemic. Faculty and students are encouraged to pursue higher studies and several seminars regarding the same have been organized to guide them in the right path.

-Dr. Chanda V Reddy

LATEST TECHNOLOGY

MOBILE EDGE COMPUTING

Tech analysts believe that mobile edge computing will transform the telecom industry in 2021 as a disruptive technology. The telecom companies will leverage edge computing to bring data storage and computing closer to the end-users' devices. In addition to reducing latency, edge computing will speed up the processing of real-time data collected and transmitted through connected devices. Many telecom companies are expected to diverse resources to mobile edge computing from a public cloud to store data locally.
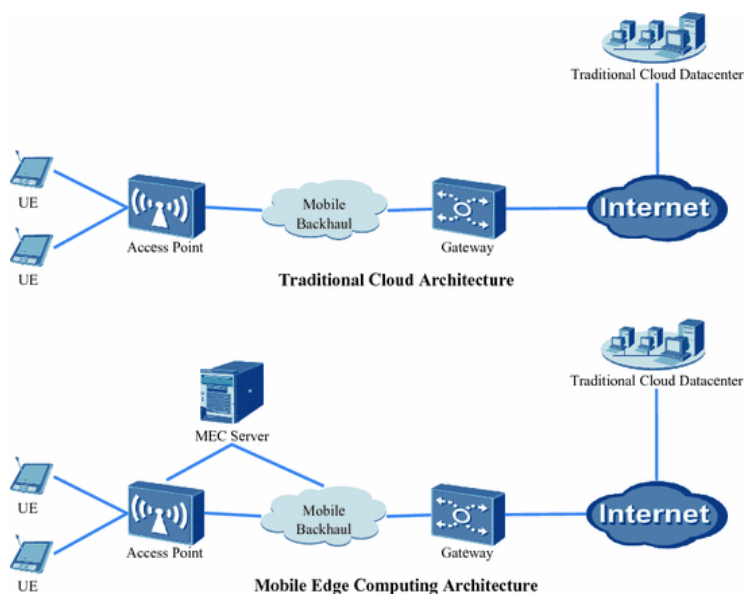
EDGE COMPUTING IN FAVOUR OF A CENTRAL CLOUD

The rise of new ways of working has caused a massive shift in networking requirements. Businesses that were well on their path to digital transformation have also had to struggle with the new reality of remote everything. Old but potent issues such as cybersecurity have resurfaced as organizations face a barrage of data being created from multiple operations conducted online. In the light of these events, AI can't just be in a data center, it needs to be at the site. From here arises the greatest trend of 2021, the requirement of highly private 5G networks enabling strengthened cyber security and effective remote operations. According to Forrester, businesses will be in favour of spending on edge computing rather than a public cloud in 2021.

Top 5 Benefits of Edge Computing

1. Speed and Latency - Edge computing reduces the overall traffic loads of your enterprise at large, which improves performance for all of your enterprise applications and services.
2. Security - When data is analyzed locally, it remains protected by the security blanket of the on premise enterprise. Edge computing also helps companies overcome the issues of local compliance and privacy regulations as well as the issue of data sovereignty.
3. Cost Savings - Edge computing allows you to categorize your data from a management perspective. By retaining as much data within your edge locations, you reduce the need for costly bandwidth to connect all of your locations, and bandwidth translates directly into dollars.
4. Greater Reliability - The world of IoT includes some pretty remote territories comprised of rural and less than optimal environments concerning internet connectivity. When edge devices can locally store and process ensuing data, it improves reliability.
5. Scalability - Although the idea that edge computing offers an advantage of scalability may seem contrary to promoted theory, it actually makes sense. Expanding or even just modifying dedicated datacenters is an expensive proposition.

Events Conducted

- A Technical Talk on **"Web and mobile Application Development"** by Mr. Raghu K Alumni, KSIT was organized on 15th February 2020.

- A Technical Talk on **"Enroute College to Corporate"** by Mr. Nishith H M, Alumni 2016 batch, TCE was organized on 25th February 2020.

- A workshop on **"Wireless Embedded Systems"** by Tenet Technetronics was organized from 26th to 27th February 2020.

- A workshop on **"Embedded systems using Aurdino"** by Inversa Technologies Mr. Rahul Kumar A, Mr.Bharath Gowda P S. from 28th to 29th February 2020.

- A Technical Talk on **"Fundamental of Radar and Digital Processing"** by Mr. Sriram Madaswamy of Analog Devices, Bangalore was organized on 2nd March 2020.

- A webinar on **"Image Processing Towards Data Science"** by Dr. Mahantesh K Associate Professor, Department of ECE, SJB Institute of Technology, Bangalore was organized on 6th May 2020.

- A Webinar on **"Overview of Internet Routing and Switching"** by Mr Ravishankar K, Center head, LIVEWIRE, Bangalore was organized on 26th June 2020.

- A Webinar on **"Web Development Using Real time APIs"** by Mr Raghu K, Alumni 2017 Batch, TCE from 6th to 7th July 2020.

- A FDP on **"Insights On Antenna, Satellite And Radar Communication"** was organized from 10th to 12th August 2020.

- A webinar on **" Whats Next? An influential perspective on career growth"** by Mr. Vikas Nag , alumni of KSIT, TCE department, Product Owner of the United Health Group, Ireland was organized on 18th September 2020.

- A webinar on **"Ethical Hacking"** by Mr. Ravikumar K, Director, Infotech Mentors, Bengaluru was organized on 21st September 2020.

- A Webinar on **"Higher Education in UK"** by Ms. Pooja Kishin, International Student Advisor, SI-UK, Bengaluru was organized on 28th September 2020.

- A Webinar on **"Disruptive Technologies"** by Mr. Mohith H B, Jr. Software Developer, Webenza Private Limited, Bengaluru and Distinguished Alumni of Telecommunication Engineering Department, KSIT, 2018 Batch was organized on 1st October 2020.

- A Workshop on **"Internet of Things (IoT)"** by Mr. Ravishankar Holla, Asst.Prof., Dept. of ECE, RVCE & Mr. Rajesh Sudi, Asst.Prof., Dept. of ECE, JIT was organized from 22nd to 24th October 2020.

- A Webinar on **"Wireless Sensor Network"** by Mr. Ravishankar Holla, Asst.Prof., Dept. of ECE, RVCE was organized on 7th November 2020.

- A talk on **"Adaptation to COVID Pandemic"** by Dr. B R Kalpana Obstetrician and Gynecologist was organized on 22nd December 2020.
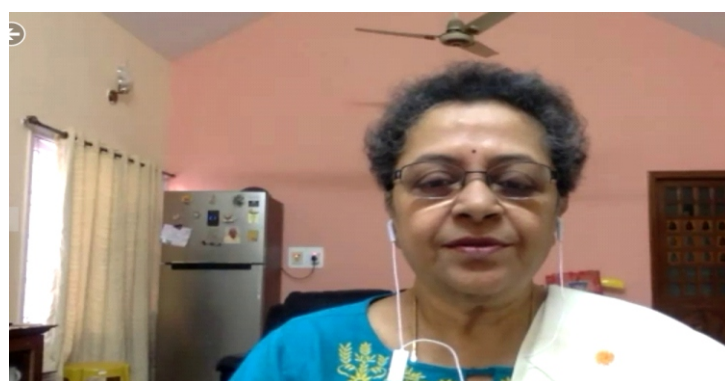
Events Attended by Faculty

- Dr. Chanda V. Reddy attended One-week (6 days) webinar on **"Advanced Antenna Design and Development for RF Communication Systems"** organized by Institution of Electronics and Telecommunication Engineers (IETE) Bangalore Center and ATMS (Antenna Test and Measurement Society) from 20th to 26th July 2020.

- Dr. Chanda V. Reddy attended Three days FDP on **"Recent Trends in Wireless Communication Technologies"** organized by the Department of Electronics and Communication Engineering BIT Bangalore in association with International Micro Electronics and Packing Society(IMAPS) from 3rd to 5th Aug 2020.

- Dr. Chanda V. Reddy attended 3 day FDP on **"Insights On Antenna, Satellite And Radar Communication"** conducted by the Department of Telecommunication Engineering, K S Institute of Technology from 10th to 12th August 2020.

- Dr. Chanda V. Reddy attended Six days workshop on **"Next Generation Wireless Communication: 5G and its implemention"** AICTE-ISTE Induction/Referesher program organized by the Department of Electronics and Communication Engineering of KSIT, Begaluru, from 21st and 26th Dec 2020.

- Dr. Rekha N attended One week webinar on **"Advanced Antenna Design and Development for RF Communication Systems"** held during 20th to 25th July 2020 organized by IETE.

- Dr. Rekha N and Mrs. Devika B attended 3-Day FDP on **"Recent Trends in Wireless Communication Technologies"** organized by Department of ECE, Bangalore Institute of Technology in association with IMAPS India from 3rd to 5th August 2020.

- Dr. Rekha N and Mrs. Devika B attended a 3 day FDP on **"Insights On Antenna, Satellite And Radar Communication"** conducted by the Department of Telecommunication Engineering, K S Institute of Technology from 10th to 12th August 2020.

- Mr. Dinesh Kumar D S attended a 5 day FDP on **"Deep learning and natural language processing using modern tools"** conducted by the Department of Computer Science and Engineering, Bangalore Institute of Technology from 21st to 25th July 2020.

- Mr. Dinesh Kumar D S attended a 5 day FDP on **"Sensors and their applications"** conducted by the Department of Electronics and communication Engineering, Vemana Institute of Technology from 13th to 17th July 2020.

- Mr. Dinesh Kumar D S attended 3-Day FDP on **"Recent Trends in Wireless Communication Technologies"** organized by Department of ECE, Bangalore Institute of Technology in association with IMAPS India from 3rd to 5th August 2020.

- Mrs. Devika B attended Faculty Development Program on **"Insights into the Vocabulary of Modern technologies"** 27th - 31st Jan 2020 Organized by Department of E&C, Department of CSE, K.S. Institute of Technology in association with IEEE KSIT Student Branch & BITES.

- Mr. Dileep J attended 5 Day Workshop on **"Machine Learning and Deep Learning Applications in Engineering & Science"** organized by Government College of Engineering Karad & Rajkiya Engineering College Azamgarh under TEQUIP-III from 16th to 20th May, 2020.

- Mr. Dileep J attended 5 Day Workshop on **"The Growing Role of IOT in Latest Technological Trends"** organized by School of Information Technology, Rajiv Gandhi Proudyogiki Vishwa vidyalaya, Bhopal in association with WILEY India Pvt. Ltd.from22ndto 26th June, 2020.

- Mr. Dileep J attended 5 Day Workshop on **"AI and ML Applications in Image Processing using Modern Tools"** organized by MSRIT, Bengalurufrom 13th to 18th July, 2020.

- Mr. Dileep J attended 3 Day FDP on **"Recent Trends in Wireless Communication Technologies"** organized by Department of ECE, Bangalore Institute of Technology in association with IMAPS India from 3rd to 5th August 2020.

- Mr. Dileep J attended a 3 day FDP on **"Insights On Antenna, Satellite And Radar Communication"** conducted by the Department of Telecommunication Engineering, K S Institute of Technology from 10th to 12th August 2020.

- Mr. Satish Kumar B attended 5 day Faculty Development Program on **"Insights into the Vocabulary of Modern technologies"** 27th - 31st Jan 2020 Organized by Department of E&C, Department of CSE, K.S. Institute of Technology in association with IEEE KSIT Student Branch & BITES.

- Mr. Satish Kumar B attended 5 day Faculty Development Program on **"Sensors and their Applications"** 13th – 17th July 2020 Organized by Department of E&C, Vemana Institute of Technology in association with IEEE Sensors Council , Bangalore section.

- Mr. Satish Kumar B attended 5 day Workshop on **"The Growing Role of IOT in Latest Technological Trends",** 22nd – 26th June 2020 Organized by School of Information Technology, Rasjiv Gandhi Vishwavidyalaya Bopal in association with Wiley India Pvt Ltd.

PUBLICATIONS BY FACULTY

- Dr. Chanda V. Reddy published a paper tittled **"Cost-Effective Spectrum Utilization for Futuristic Cognitive Radio based Services"** in International Journal of Innovative Technology and Exploring Engineering (IJITEE) February 2020, ISSN: 2278-3075, Volume-9 Issue-4, Page 2476 – 2480

- Dr. Rekha N filed a patent **"Accident Prevention Management System Using Artificial Intelligence"**, with the Application No: 202041055059 on 17.12.2020 and was published with Journal Number- 52/2020, Journal Date- 25/12/2020-IPO

- Mrs.Devika B published a paper on "**Power-Cognizant Proactive Routing Protocol for Amending Energy in Ad hoc Networks"** Springer Briefs in Applied Sciences and Technology& ISSN:2191-530X, (Indexed in SCOPUS, UGC, Springer link & Major AI) SPRINGER May 2020.

- Mr. Dileep J filed a Patent on **"Effective instructors feedback system for education system and methods thereof"** with the application number: 202041034055 on 07.08.2020 and was published with Journal Number - The Patent office Journal No. 34/2020 dated 21.08.2020

- Mr. Dileep J filed a Patent on **"Customized Placement Training Assistance for students using Artificial Intelligence"** with the application number: 202041042414 on 29.09.2020and was published with Journal Number - The Patent office Journal No. 41/2020 dated 09.10.2020

PUBLICATIONS BY STUDENTS

- Mr.Darshan B, Mr.Shashank M K, Mr.Srihari K and Mr. Srinidhi K published a paper titled **"SMART BRIDGE"** in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 07 Issue: 04 April 2020 pp 3192 -3196 under the guidance of Dr. Chanda V. Reddy.

- Ms. Amritha S, Ms. Anagha S M, Mr. Chandan A Kowshik, and Ms. Ranjini N V published a paper titled **"EVOLUTION AND APPLICATIONS OF RADAR"** in International Research Journal of Engineering and Technology (IRJET) April 2020, Volume: 07 Issue: 04, e-ISSN: 2395-0056, p-ISSN: 2395-0072, page – 2142 to 2146 under the guidance of Dr. Chanda V. Reddy.

- Ms. Pallavi C, Ms. R K Aishwarya and Ms. Rekha K S published a paper titled **"Smart Wrist Band for Alzheimer's and Sleep Apnea victims"**, in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 07 Issue: 04 Apr 2020 under the guidance of Ms. Rekha N.

- Ms. Aishwarya Manjunatha ,Ms. Ananya M Rao , Ms. Ritu Parna A and Ms. Sharvani G R published a paper titled,**" Automatic Ration Distribution With Quality Check Implementation Using Image Processing"**in JASC: Journal of Applied Science and Computations ISSN NO: 1076-5131 ,Volume VII, Issue IV, April 2020 under the guidance of Ms. Rekha N.

- Ms. Bi Bi Kandejatul Kubra ,Ms. Jennifer J , Ms. Varsha P and Ms.Varsha Rani Sah published a paper titled **"PIPE INSPECTION ROBOT",** International Research Journal of Engineering and Technology (IRJET),Volume: 07 Issue: 08 | Aug 2020 under the guidance of Mr. Dinesh Kumar D S.

- Mr. Sumukha R U, Mr. Harshith H V and Ms. Jyothi P published a paper titled **"Motion Activated Recording Camera for Strong Room"**,International Research Journal of Engineering and Technology (IRJET), Impact Factor-7.529, Volume 7, Issue 5, May 2020 under the guidance of Mr. Dileep J.

- Ms. Deepthi V, Ms. Dhruthi V and Ms. Nanditha H published a paper titled **"Automatic Water Planting system using ARDUINO"**,International Research Journal of Engineering and Technology (IRJET), Impact Factor-7.529, Volume 7, Issue 7, July 2020 under the guidance of Mr. Dileep J.

- Ms. Apoorva P M, Ms. Rachana Giliyal and Ms. Sahana R published a paper titled "A Comparative Study Of Ingenious Helmet With Bike System",Proceedings of **"34th CSI Karnataka State Student Convention (Online)",** on theme "Self-Reliance & Automation", organized in KSIT on 22nd and 23rd December-2020, ISBN:978-81-929425-1-3, Page-45 under the guidance of Mr. Dileep J.

- Ms. Apoorva P M, Ms. Rachana Giliyal and Ms. Sahana R published a paper titled "A Comparative Study Of Ingenious Helmet With Bike System",Proceedings of "**34th CSI Karnataka State Student Convention (Online)",** on theme "Self-Reliance & Automation", organized in KSIT on 22nd and 23rd December-2020, ISBN:978-81-929425-1-3, Page-45 under the guidance of Mr. Dileep J.

- Ms. Anitha ,Ms. Pallavi S , Ms. Pavana M and Ms.Shivleela, published a paper titled "**Library Management System",** International Journal of Applied Science and Computation (IJASC),Volume: 07 Issue: 06 | April 2020 under the guidance of Mr. Satish Kumar B.

- Ms Chandana, Ms Ankitha, Ms Vaishanavi Published paper titled **"Multi Account Embedded System with Enhanced Security"** International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 07 Issue: 04 | Apr 2020 www.irjet.net p-ISSN: 2395-0072 under the guidance of Mrs Devika.B

Funded Projects

- The project titled **"Smart Wrist Band for Alzheimer's and Sleep Apnea victims"**, carried out by Ms. Pallavi C, Ms. R K Aishwarya and Ms. Rekha K S under the guidance of Ms. Rekha N was selected for Karnataka State Council for Science and Technology (KSCST): 43rd Series of Student Projects Program-2020.

Congratulations

- **Dr. Rekha N** for being awarded a **Doctorate** from VTU, Belagavi, for the thesis titled **"Noise Cancellation in GSM Logical Channel using Search Algorithm"**.

- **Dr. Devika B** for being awarded a **Doctorate** from VTU, Belagavi, for the thesis titled **"Optimizing Power in Adhoc Networks".**

100% Results

Mrs. Srividya R	Cryptography and Network Security
Mrs. Devika B	Satellite Communication and Remote Sensing
Mr. Dinesh Kumar D S	Multimedia Communication
Dr. Manju V C	IoT and Wireless Sensor Networks
Mr. Dileep J	Management and Entrepreneurship Development
Mr. Satish Kumar B	Wireless Cellular and LTE 4G Broadband
Mrs. Srividya R	Machine Learning
Mrs. Devika B	Adhoc Wireless Network

DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

ABOUT THE DEPARTMENT

Department of Science and Humanities is unstintingly committed to its basic principles of imparting knowledge and preparing the students towards achieving academic excellence through acquisition of core competence in Science and Humanities and acquaint the students with the ideas that makes successful as engineering professionals and build the world. With continuous effort of faculty members, the department has been witnessing consistent growth in results every year. The faculty of Basic Sciences have a complete understanding of these core subjects and help every student to develop intellectual atmosphere useful for their professional development. The labs and research centers provide the perfect environment and equipment that aid the students in their journey to become successful and responsible engineers. The scientific outcomes and developments remain effective only when held within the boundaries of humanity and professional ethics which in turn results in a healthier society.

- Prof. N. Sunil. Kumar

LATEST TECHNOLOGY

SOLAR PAINT

Renewable energy is more in demand than ever as individuals, concerned about increasing consumption of fossil fuels and the potential impact of on climate change, look for ways to cut back on carbon-producing energy sources. Now, researchers have developed a new way of creating solar panels that may make it easier to install than ever before — a crystal-based liquid that has allowed researchers to effectively paint on solar panels to suitable surfaces. Traditional silicon-based solar panels use photo-voltaic crystals arranged on thin, brittle panels to collect sunlight and convert it into energy. These panels are typically rigid, limiting transportability and making installation a more involved process. Despite drops in cost over the past few years solar adoption across the US has been slow, leading researchers for look to ways to make solar cheaper and more convenient to install. One possibility that scientists have investigated have been silicon-free materials that use alternatives to photovoltaic crystals that can be melted down into a kind of solar paint that can be applied to surfaces to create an instant solar panel.
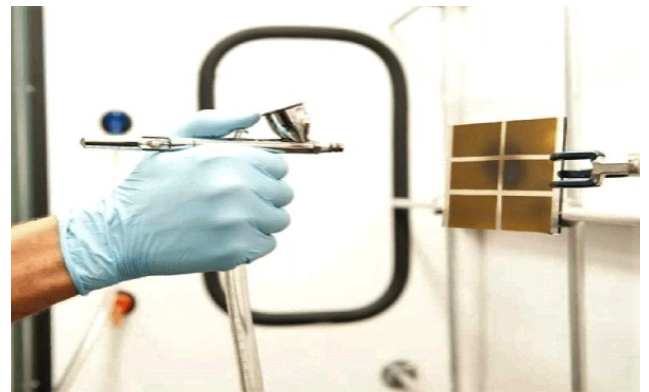
Now, scientists have identified a few different ways to make solar paint work. One method, developed by researchers at the National Renewable Energy Laboratory, uses special perovskite crystals to create a liquid equivalent to solar panels that can be sprayed or painted on to just about any suitable surface. Another method, developed by researchers at the University of Kansas and Beijing Jiaotong University, uses atomically thin semiconductors coupled with organic materials to similarly form semiconducting crystals as the material dries. In both cases, once the liquid has fully dried, the crystals allow the surface they were painted on to act similarly to a silicon-based solar panel — collecting sunlight and converting it into usable energy. Both versions of the solar paint could be used to rapidly add solar power production to a roof or unused wall — or they could be sprayed onto a panel of paper or other thin material to create a solar panel that can be easily rolled up and moved from place to place. Recently the professors from the research team at RMIT University who have developed the hydrogen-extracting solar paint. It contains a newly developed substance, synthetic molybdenum-sulphide. Absorbing moisture from the air, it works similarly to silica gel, which you've undoubtedly seen packaged with consumer products in order to keep them dry. This solar paint also contains titanium oxide, a substance already present in conventional paint. The titanium oxide helps the paint use solar energy to break down the absorbed moisture into hydrogen and oxygen particles. The hydrogen can then be used to produce clean energy.
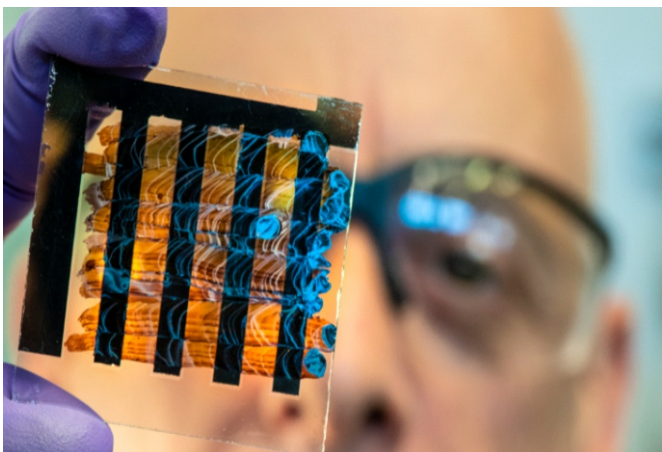
Events Conducted

- Guest Lecture on **"Universal Human Values"** on 12th February, 2020. The Speaker Ms. Geetha Srinivasa, India Head Praxair Chemical Ltd. emphasized on the need for inculcating human values coupled with ethics which is the need of the hour.

- Guest Lecture on **"Importance of Science and Research for Engineering Students"**. The Speaker Dr. Yogesh Kumar, Jain University addressed in detail on the topic and how important is research in science and tech.

Events Attended by Faculty

- Ms. Jalaja P, **"Fluid Dynamics and its Applications",** International level Webinar, Government First Grade College, Bengaluru, Karnataka, 28th and 29th May 2020.

- Ms. Jalaja P, **"Avant-Grade Trends in Mathematics",** Faculty development program, Bannari Amman Institute of Technology, Sathayamangalam, Tamil Nadu, 17th - 23rd June 2020.

- Ms. Jalaja P, **"Matlab Applications in Mathematics",** Faculty development program, QIS College of Engineering and Technology, Ongole, Andhra Pradesh, 15th - 19th June, 2020.

- Ms. Jalaja P, **"The Role of Technology in Teaching - Learning Mathematics",** National Level Webinar, Vidhyaa Arts and Science College, Salem, Tamil Nadu, 16th June 2020.

- Ms. Jalaja P, **"Mathematical Modelling and Simulation",** Faculty development program, M.V.S.R. Engineering College, Hyderabad, Telangana, 25th - 30th June 2020.

- Ms. Jalaja P, **"Fluid Mechanics and its application in Engineering Science",** National Level Webinar, PES Institute of Technology and Management, Shivamogga, Karnataka, 24th - 27th June 2020.

- Dr. Kiran Kumar S.R, **"Multifunctional Applications of Nanometal Oxides"**, International Level Webinar, Department of Basic Science and Humanities, EWIT, Bengaluru, Karnataka, 29th July 2020.

- Dr. Kiran Kumar S.R, **"X-ray spectroscopy as a tool in understanding biological catalysis",** International Level Webinar, Department of Chemistry, ST. Joseph's College, Bengaluru, Karnataka, 29th July 2020.

- Dr. Kiran Kumar S.R, **"Alternative Energy resources: Current scenario and future challenges"**, National Level Webinar, Department of Chemistry, Vidhyavardhaka College of Engineering, Mysuru, Karnataka, 4th August 2020.

- Dr. Kiran Kumar S.R **"Fuels from Co-processing of waste plastics"**, Webinar, Department of Chemistry, New Horizon College of Engineering, Bengaluru, Karnataka, 17th July 2020.

- Dr. Kiran Kumar S.R **"Current Trends, Opportunities and Future in Clinical Research",** National Level Webinar, Ramaiah College of Science, Bengaluru, Karnataka in collaboration with Cliniassure, 1st August 2020.

- Mr. Chowdappa M.R **"Education 4.0"**, International Webinar, Department of Basic Sciences and Humanities-Mathematics, New Horizon College of Engineering, Bengaluru, Karnataka, 8th August 2020.

- Mr. Chowdappa M.R **"Numerical and Scientific Computing"**, International Webinar, Department of Mathematics and Statistics, School of Basic Sciences, Manipal University, Jaipur, 28th July 2020.

- Mr. Chowdappa M.R **"Complex Analysis and its Applications"**, International Webinar, Department of Mathematics, K.L.E. Society's G.I. Bagewadi College, Nipani, Karnataka, 22nd and 23rd July 2020.

- Mr. Chowdappa M.R **"Mathematical Modelling and Simulation"**, National Level Faculty Development Program, Faculty of Mathematics, Department of Applied Sciences and Humanities, MVSR Engineering College, Hyderabad, Telangana, 25th - 30th June 2020.

- Mr. Chowdappa M.R **"Applications of Mathematics in Engineering"**, Faculty Development Program, Department of Mathematics, KPRIET, Coimbatore, Tamil Nadu, 27th - 31st July 2020.

- Ms. Shylaja K.R **"Multifunctional Applications of Nano Metal Oxides"**, International Level Webinar, Department of Basic Science and Humanities, EWIT, Bengaluru, Karnataka, 29th July 2020.

- Ms. Shylaja K.R **"Become your own Masterpiece"**, National Web series, Value Education Cell, BBDNIIT, Lucknow, Uttar Pradesh, 25th - 29th August 2020.

- Ms. Shylaja K.R **"Solar Activities in 21st Century"**. International e-Seminar, Department of Physics & IQAC, Datia, Govt. P.G. College, Madhya Pradesh, 8th September 2020.

- Ms. Shylaja K.R **"Covid-19 and Gender-Based Crimes"**, National Level Webinar, Department of Law and IQAC, Govt. P.G. College (Autonomous), Datia, Madhya Pradesh, 18th August 2020.

- Ms. Shylaja K.R **"Applications of Electrochemistry in Current Research"**, National Level Workshop, Department of Chemistry, Basic Sciences and Humanities, New Horizon College of Engineering, Bengaluru, Karnataka, 18th August 2020.

- Ms. Neelam Patil Radhika **"Computer Vision Visual Slam and loop closure Techniques",** National Level Webinar, Alumni association, VVCE, Mysuru, Karnataka, 23rd August 2020.

- Ms. Neelam Patil Radhika **"Perspectives on the Past, Present and Future of advanced materials"**, National level Online Faculty development, Department of R & D, Tontadarya College of Engineering, Gadag, Karnataka, 26th - 28th August 2020.

- Ms. Neelam Patil Radhika **"Role of Chemistry in Engineering and Society"**, National Level Webinar, Department of Chemistry, JNN College of Engineering, Shivamogga, Karnataka, 12th - 14th August 2020.

- Ms. Neelam Patil Radhika **"Alternative Energy resources: Current scenario and future challenges"**, National Level Webinar, Department of Chemistry, Vidhyavardhaka College of Engineering, Mysuru, Karnataka, 4th August 2020.

- Ms. Neelam Patil Radhika **"3D-Printing and it's Applications",** Web Seminar, BMS Institute of Technology and Management, Bengaluru, Karnataka, 19th August 2020.

- Ms. Anuradha M.V **"Inculcating Universal Human Values in Technical Education"**, Online Workshop, AICTE, New Delhi, 19th - 23rd October 2020.

- Ms. Anuradha M.V **"Women Rights under Constitution and Vishaka Guidelines on Sexual Harassment at Workplace"**, Online Webinar, VTU, Belgaum, Karnataka, 4th July 2020.

- Ms. Anuradha M.V **"Basic Sciences and Teaching Vocabulary and it's contextualization",** Online Faculty Development Program, Tirumala Engineering College, Guntur, Andhra Pradesh, 14th August 2020.

- Ms. Anuradha M.V **"Secrets to Combat Covid-19"**, National Level Webinar, BMS Institute of Technology and Management, Bengaluru, Karnataka, 29th July 2020.

- Ms. Anuradha M.V **"Know your Communicative English Level"**, E-Quiz, Vemana Institute of Technology, Bengaluru, Karnataka, 20th August 2020.

- Ms. Lakshmi C **"SCILAB- An Open-Source Substitute for MATLAB",** National Level Faculty Development Program, Jointly Organized by JNTUH College of Engineering, Sultanpur, Sangareddy (Dt.) and Spoken Tutorial Project, IIT Bombay, 25th - 30th May 2020.

- Ms. Lakhsmi C **"Mathematical Modelling and Simulation"**, National Level Faculty Development Program, Faculty of Mathematics, Department of Applied Sciences & Humanities, MVSR Engineering College, Hyderabad, Telangana, 25th - 30th June 2020.

- Ms. Lakshmi C **"Latex"**, Online Workshop, AMC Engineering College, Bengaluru, Karnataka, 29th June – 1st July 2020.

- Ms. Lakshmi C **"Telemedicine, IO and Nano Science"**, Webinar Series, GSSSIETW IEEE Student Branch in association with IEEE Bangalore Section and IEEE CAS Bangalore chapter, 10th - 12th June 2020.

- Ms. Lakshmi C **"Insights on Antenna, Satellite and Radar Communication"**, Faculty Development Program, Department of Telecommunication Engineering, KSIT, Bengaluru, Karnataka, 10th - 12th August 2020.

Publications by Faculty

- Mr. Venkataramana B.S, Paper Presentation on **"The Properties of one Parameter Exponential mean and its Invariant",** 1st International E-Conference on Engineering Science, Technology and Management, 2020.

Magazines

Nature Chemistry is a monthly peer-reviewed scientific journal published by Nature Publishing Group. It was established in April 2009. The journal covers all aspects of chemistry. Publishing formats include primary research articles, reviews, news, views, highlights of notable research from other journals, commentaries, book reviews, correspondence. Other formats are analysis of issues such as education, funding, policy, intellectual property.
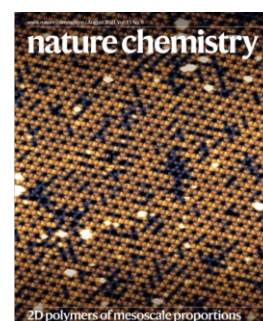
Physics Today, the flagship publication of the American Institute of Physics, is the most influential and closely followed physics magazine in the world. The mission of Physics Today is to be a unifying influence for the diverse areas of physics and the physics-related sciences. It does that by providing authoritative, engaging coverage of physical science research and its applications without regard to disciplinary boundaries; by reporting on the often complex interactions of the physical sciences with each other and with other spheres of human endeavor; and by offering a forum for the exchange of ideas within the scientific community.

TRAINING AND PLACEMENT
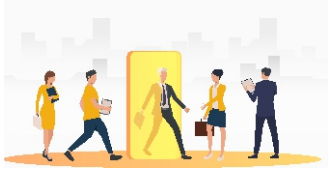
About the Department

At KSIT, We have Established a Stand-Alone Training & Placement Department which is equipped with State of the Art Infrastructure. We provide extensive training to our students starting from the 1st semester till their 7th semester on Quantitative Aptitude, Logical Reasoning, Soft Skills, etc. We provide domain specific technical training through experts from the industry. We also offer various Company Specific Training; conduct multiple Mock-Tests during their Pre-FinalyearandFinalyear to prepare them for campus placements. We are glad that more than 90% of our eligible students are getting placed every year. We have leading companies in the likes of Infosys, NTT Data, KPMG, Mindtree, Sonata Software, TCS, Wipro,Tech Mahindra, LTI, Capgemini, Cognizant and many more recruiting our students every year. We have signed MoU's with various industrial bodies to facilitate our students to get exposed to meet Industry needs and Expectations. Also the Training and Placement Department organizes various awareness programmes Bi-Annually on GRE/ GMAT and TOEFL to students who are willing to purse higher education both in India and Abroad. We, at KSIT –Placements make sure that every eligible student gets multiple opportunities with packages ranging 4.00 LPA to 12.0 LPA. Our Main Goal is make sure every student who graduates from KSIT should have a Job in Hand.

- Dr. Harish R
HoD, Training and Placements

Prominent Drives Where Students Get Placed

accenture High performance. Delivered.	IBM	Infosys®	KPMG
4.5 LPA	4.25 LPA	3.6 LPA	5.0 LPA

NTT DaTa Trusted Global Innovator	SAP®	Mindtree	TATA CONSULTANCY SERVICES
3.5 LPA	3.00 LPA	3.5 LPA	TCS Digital: 7 LPA TCS Ninja: 3.6 LPA

avaali Collaboration in Action	FIS	Quinnox accelerate success
3.00 LPA	5.00 LPA	3.5 LPA

Other Recruiters:

MPHASIS, HP, HARMAN, DOTGO, THOUGHTCLAN Technologies, HUDL, LEKHA WIRELESS, ANORA SEMICONDUCTORs, HASHEDIN TECHNOLOGIES, PEOL TECHNOLOGIES, APISERO INC, VIRTUSA, MICROCHIP, SONATA SOFTWARE, GOLDMAN SACHS ETC.

Events Conducted

• Get Skild conducted a free Online workshop on "**How the Final year students should prepare for placements and how they can cope up with the changing industry expectation**" for 8th semester students on 16th June, 2020.

• Destination Technologies which is a renowned **Technical Training Institute Offers 500 hours of Free training** to selected students conducted a awareness session for the students to explain in detail the free courses offered by the part of their CSR Initiative on 12th July, 2020.

• Vaave Technologies was requested to conduct a informative session on the emerging trends in **"Hiring freshers during recession/pandemic"** on 8th July, 2020.

• APP Stone conducted a coding related webinar, "**Agile Workflow & Code Optimization Webinar**", where our students were taught short cuts on how to CODE and Write Programs. This was conducted on 16th July, 2020.

• **210 Hours of Soft Skill Training Program** for the students from 1st Semester to 8th Semester.

• Various Webinars was conducted on **Higher Education & Overseas Education** for the students.

• Awareness Program on **Entrepreneurship Development** was conducted to Ignite the Flare amongst the students intending to start their own Venture/Company.

PEOL TECHNOLOGIES CAMPUS DRIVE

LIBRARY AND INFORMATION CENTRE

ABOUT THE DEPARTMENT

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

- Dr. V. Bharathi
Chief Librarian

COLLECTIONS	
BOOKS	
Under-Graduate	
Volumes	35138
Titles	4801
Post-Graduate	
Volumes	597
Titles	179
Print Journals	21
e-Journals	4159
e-Books	23348
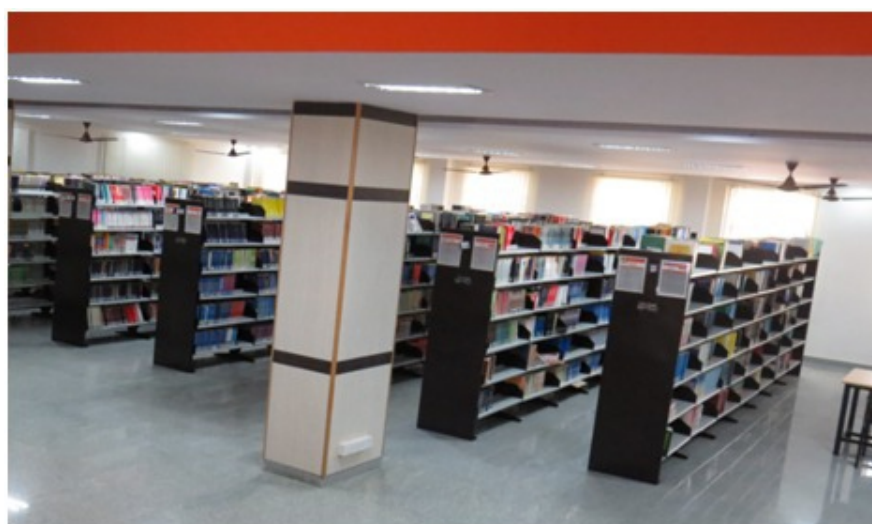
DEPARTMENT OF PHYSICAL EDUCATION

ABOUT THE DEPARTMENT

Physical education is an integral part of the total education. Quality physical education programs help all students develop health-related fitness, physical competence, cognitive understanding, and positive attitude about physical activity, so that they can adopt healthy and physically active lifestyles. The department of Physical Education at The Kammavari Sangham Institute of Technology aims at such activities which helps the students develop a holistic approach. Various tournaments such has All India inter University, Nationals Level, State Level and VTU. Physical Education Department takes initiative in organizing events such as fitness program, VTU competitive sports and have brought laurels to their institution. We are proud to be one amongst the 10 College of VTU to Received Meritorious institutions Cash Award of 1 Lakh for sports achievement for the academic year 2015-16 in VTU sports.

- Mr. Umesh H
Physical Education Director

SPORTS DAY

Department of Physical Education & Sports organized the Annual Sports Day- 2019-20 held on 07th March 2020, UCPE Stadium Bangalore University Jnana Bharathi. It was inaugurated by Chief Guest, Mr. Vidyamani Puttanna in his address emphasized the importance of sports in every student's life. The Guest of Honour, Dr Rajesh Y H Director of physical Education VTU Belagavi, Dr Jayram Asst Commissioner Police Ex- Prime Minister security force Bangalore & Mr Rakesh Rudra Alumni of KSSEM, Dept of CIVIL asGuest of honor has advised the students to give importance to academic and sports as well to excel in the career. President Ramachandra Naidu, Secretary Venkatesh Naidu, Dr. T.V. Govindaraju, Principal/Director, & All the dept HOD's, Staff Members & students were present on the occasion. Treasurer Rukhumangada Naidu KSGI in his Inaugural Address highlighted the importance to the sports extended by gave a note on facilities available in the college and encouragement given by Kammavari Sangham.

EVENTS ATTENDED

- KSIT Volley Ball Men's team Participated in the VTU Bangalore Zone Inter-College Volley Ball Tournament 2019-20 held at GAT on 3rd & 4th March 2020.
- KSIT Cricket Men's team Participated in the VTU Bangalore Zone Inter-College Cricket Tournament 2019-20 held at SJBIT on 10th to 20th March 2020

NATIONAL SERVICE SCHEME

The event **Grama Swarajya 2020,** was held from **5th February 2020 to 11th February 2020**. All the **NSS students** gathered at KS Institute of Technology campus around 09:00 a.m. and the bus departed by 09:30 a.m. We reached **Grama Swarajya high school**, Aiyonnora Gollahalli, Kanakapura taluk, Ramanagar district around 11:20 a.m. We placed all our luggage in the hostel of Grama Swarajya school where we stayed for one week. Later we started cleaning the school premises. We had our lunch around 02:30p.m. and then assembled for day meet up where all of us were divided into 5 teams, KRANTIVEERA SANGOLLI RAYYANNA, VISHVESWSARAYA, KITTURU RANI CHENNAMMA, KUVEMPU, SWAMI VIVEKANANDA, each team consisting of 10 to 11 members.

The members of team KRANTIVEERA SANGOLLI RAYYANNA are Vaishnavi Shriharshan, Sanjana B., Shiva Shankar, Mohan Raju, Rohan, Sanjay, Keerthan, Manogna, Shraddha, Vignesh. The members of VISHVESWARAYA team are Amogh, Ganesh, Darshan, Shreya V., Dasha C., Rachana, Jayanth, Satish, Bhavan, Yashaswini, Nisarga. The members of KITTURU RANI CHENNAMMA are Naganethrs, Mohan Prasanna, Vandana, Charitha, Santhosh M., Nayan D., Hima swetha, Tejas V.R., Arun. The members of KUVEMPU team are Vishal, Sai Adithya, Indrajith, Kishan, Santhosh, Sankalp Kesti, Anjali, Ashika, Thanushree, Sahana, Vaishanvi. The members of VIVEKANANDA team are Vaishnavi S., Sumukha, Anirudh, Purushotham, Sirisha, Nayana, Chandan, Ramya, Asma, Tilak, Venkataramana. The Captains for the camp were Vishal and Vaishnavi Shriharshan followed by Amogh and Naganethra as Vice Captains. The Captain and Vice Captain for Swami Vivekananda team were Vaishnavi S. and Sumukha and this team was given with cooking incharge. The Captain and Vice Captain of Vishweshwaraiah team were Ganesh and Darshanand the team was given with incharge of flag hoisting for the next day. The Captain and Vice Captain of Kuvempu team were Sai Adithya and Sahana and the team was given the incharge of cultural. The Captain and Vice Captain of Sangolli Rayyanna were Shiva Shankar and Shraddha and team was given the incharge of shramadhana. The captain and Vice Captain of Kittor Rani Chennamma were Mohan Prasanna and Santosh M. and the team was given the incharge of stage. Later the team incharge of stage (Kitoor Rani Chennamma) made preparations for the Inaugural function.

The inauguration program started by 05:00 p.m. The chief guests for the program were L. Raju (Entrepreneur), Kavitha Rao(Shantala charitable trust), Kariyappa (Treasurer of Sri Shambulingeshwara Education Institution), Aankhmaadhe Gowdaru(HM of Grama Swarajya),T.V.Govindaraju(Principal of KSIT), Umesh S.,Saleem S., Rukkmangadha(Treasurer) and the special invites were Mangalamma Shivraj (Taluk Panchayath member), Chitra. All our chief guests addressed the gathering with their inspirational words. Later we had cultural programs held by Chitra Rao and team(Shantala kalakendra). Also there were programs by Grama Swarajya students and students of KSIT.The program ended around 10:15 p.m. We had our dinner around 10:30 p.m. By this the activities for the day was winded and we slept around 11:30 p.m. From day 2 to day 7, all the events were conducted successfully and last day of the event the prize distribution ceremony for the NSS volunteers as well as the school students was started. PED Mr.Chandrashekar welcomed the chief guests T.V Govindaraju (Principal of KSIT),Aankamadhe Gowdru (Head master of Grama Swarajya), Umesh S (PE teacher, KSIT), Chowdappa M.R. (NSS Officer). Prizes based on different activities was distributed to the deserving NSS volunteers by the Chief guests. Then T.V Govindaraju and Aankamadhe Gowdru along with Chowdappa M.R. addressed the gathering and concluded the program at 01:00 p.m. Then we were offered with lunch around 01:30p.m. and packed our luggage's to head back to Bangalore.We boarded our college buses and left in and around 2:00p.m. and we reached our college around 03:30p.m.

THE INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) CONVENTION

16th Karnataka State Level ISTE Student Convention was held on 22nd February 2020 in KSIT, Bangalore. The convention program was inaugurated by Chief Guest **Mr. Tejasvi Surya** Member of Parliament Bengaluru South, Guest of Honour **Dr. D.S. Suresh**, Chairman, ISTE Karnataka, **Dr. C.K. Subbaraya** Past Chairman, ISTE Karnataka and **Prof. Nijananda Reddy**, Secretary cum Treasurer, ISTE Karnataka. We also had **Sri.Y. Ramachandra Naidu**, President-KSIT, **Sri. K. Venkatesh Naidu**, Hon.Secretary-KSIT, **Sri.D.Rukmangada** Hon.Treasurer-KSIT, **Dr. KVA Balaji** CEO- KSIT, **Dr. Sangappa** Prof & Dean, KSIT, National Executive Council Member, ISTE and **Dr. T.V. Govindaraju** Principal/Director KSIT who graced the occasion.

INDUSTRIAL VISIT

The Department of Computer Science and Engineering attended **Open Day 2020 at IISc, Bangalore on 29th February 2020.** The visit was for the students of 4th, 6th and 8th semester of CSE Department to know the newer technologies.

The Main objective of the Industrial Visit is to give an exposure to the students studying in CSE in learning new technologies. This visit will give the students to carry out projects either in CSE domain or in interdisciplinary domains. The students participating in the event or in coding event at IISc will boost their technical skills which will help them during placements. The students attending the event had seen the following in the exhibition: Game of codes, Bet to code, Hackathon, Sessions on next generation networks – Open, Intent based and programmable, Session on power efficient method for tackling machine learning workloads with next generation with AI processors, Quiz for college students, Supercomputer Education and Research Centre(SERC) and Sessions on Internet of Things and Drone Technology. Events such has Game of codes and Bet to Code gave us real life problem statements knowledge and challenges faced in Industry. We learned a lot in a Demo on Artificial intelligence and Machine Learning, It gave us an idea on how AI processes and Decisions are made by a AI model. A quiz was conducted for the college students with 25 questions given should be solved within 45 minutes from the time we started. We participated in this event with 2 members in a team.

This event would not have possible without the support of our **Management, CEO, Principal and Head of the Department** of Computer Science and Engineering **Dr. Rekha. B. Venkatapur**. The coordinators **Mr. Aditya Pai H** and **Mr. Raghavendrachar S** who supported and helped to make the visit to IISc a greatest success.
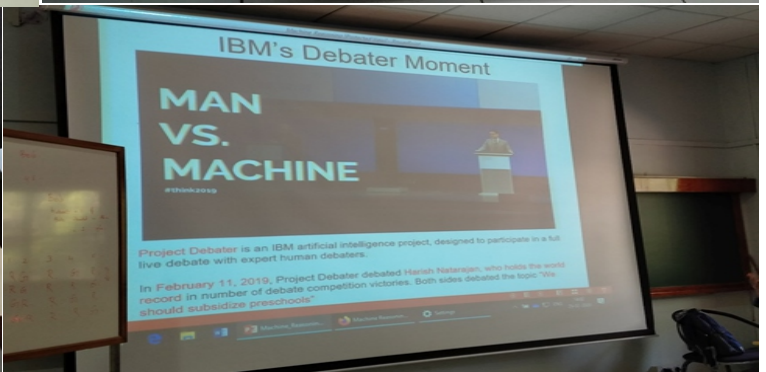
INAUGURATION

Inauguration to the I sem students for the Kammavari Sangham Institute of Technology was held on 16th December 2020. The Chief Guest for the day was Prof. H.P Kincha former Vice- Chancellor VTU and the Chairman Academic Advisory Board (KS Group of Institutions), presided by the President of the KS Group Sri. Y, Ramachandra Naidu, Hon. Secretary Sri. K. Venkatesh Naidu Treasurer Sri D. Rukmangada, Dr KVA Balaji CEO and Principal of KSIT. The Chief Guest Prof. H.P Kincha advised the students to be agile and adapt to any environment. He also advised the students to learn new techniques, develop social intelligence, inculcate the habit of asking questions and develop cultural competencies and ethical behavior required to compete in this complex society.

Sri Y. Ramachandra Naidu the President of the group of Institutions welcomed the students. Hon. Secretary Sri. K. Venkatesh Naidu familiarized the newly admitted students about the college and its establishments and also about its philanthropic activities. Sri D. Rukmangada advised the students to use the library facilities to the maximum and take part in extra and co-curricular activities. He urged the students to take part in debates and paper presentations which should show case their knowledge in technology and help them in being recognized. Dr. KVA Balaji Principal/CEO emphasized the need for developing good communication as it plays a very important role in professional lives. He advised the students to develop the urge for learning new technologies and utilize the services of the excellent faculty in college. The Principal informed the students about the weeklong Induction Program and orientation to the various department would commence from 16-12-2020 afternoon session onwards and continue till 24-12-2020. He urged the students to attend the Induction program as it would be very informative and help the students to be aware about the VTU rules and regulations.
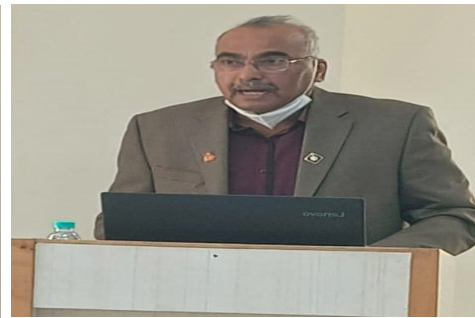
GRADUATION

K S Institute of Technology (KSIT), Bengaluru organized its graduation day ceremony at the institute premises on 23 February 2020 around 10:30 AM. Graduates who passed out during the academic year 2018 -19 received their graduation certificates. The venue was well decorated. The dignitaries (Chief guest Padmashri Awardee R. M. Vasamgam, Guest of Honour Dr. U. Chandrashekar, Secretary K. Venkatesh Naidu, Treasurer D. Rukmangada, CEO Dr. K. V. A. Balaji, KSIT Principal Dr. T. V. Govindaraju, HOD CSE- Dr. Rekha. B. Venkatapura, ECE – Dr. P. N. Sudha, ME- Dr. M. Umashankar, TCE-Dr. Chanda V Reddy) entered the Quadrangle in procession (police band playing Jaya Bharatha Janani song) and took their seats on the dais. Students from various branches were called to sing the invocation song. The dignitaries and the crowd were welcomed by our Principal Dr. T. V. Govindaraju with a welcome speech to all the passed-out VTU rank holders, graduates and postgraduate students, highlighting the significance of the ceremony. He emphasized the past achievements of our institute which included successful NAAC visit. On behalf of the President the respected Secretary, K. Venkatesh Naidu declared the graduation ceremony open. During the ceremony, the graduation was awarded to Doctor of Philosophy, Post Graduates, Graduates of master of technology, and Graduates of bachelor of engineering students. The graduates of all departments were called out by the respective HODs and the graduation was awarded to the students by the Chief guest R. M. Vasamgam, Guest of Honour Dr. U. Chandrashekar. Around 350 graduates along with their parents attended the ceremony to celebrate their success. After handing out the graduation, the Chief guest R. M. Vasamgam, Guest of Honour Dr. U. Chandrashekar shared their word of wisdom on technological advancement and life values. Following this, the dignitaries were presented with token of gratitude. 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. 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 ceremony came to an end with delicious food being served to the invitees.

ALUMNI MEET

An online Alumni Meet was organized on 6th December 2020 using Google Meet platform at 10.00 am. The meeting was held online due to the COVID19 pandemic. This was the first time in the history of KSIT alumni meet this was held online. The Registration for the Alumni Meet was also taken online through google forms where we received large number of responses from the alumni residing outside their home town. The Meet was attended by 100 Alumni. Mr.Vinay Kotta Ramachandra Setty, Alumni 2003, currently working as Associate Manager, HP, Bangalore was present as the Chief Guest for the Alumni Meet. Ms. Sangeeth Devaiah, Alumni 2005, currently working as Tech Project Manager, One Network Enterprises, Dallas, USA, was present as Guest of Honour. Sri. D. Rukmangada, Treasurer, Kammavari Sangham, and Dr.Dr.K.V.A.Balaji, Principal of K.S.I.T, CEO K.S.Group of Institution and Rector of the Alumni Association graced the occasion. Anchoring of the event was done by Ms.Beena, Assistant Professor Dept. of CSE,KSIT. Mr.Santhosh Kumar, Alumni Association Coordinator welcomed the gathering. Introduction to Chief Guest & Guest of Honour was done by Ms.Beena. Then Chief Guest and Guest of Honourwere requested to address the gathering. The Chief Guest in his address refreshed his memories of KSIT and also he remembered the help he got from the faculty members during his studies. The Guest of Honour shared her experience in college and the qualities required by engineering professionals in improving their career. After the Alumni Guests address the Alumni's present were requested to share their views and also the share thememories of the college days. Sri.D. Rukmangada, Treasurer, Kammavari Sangham, addressed the Alumni's present. Later Dr.K.V.A.Balaji, Principal &CEO, K.S.Group of Institutions addressed the Alumni's present. In their address both thanked the Alumni's for attending the meet and also requested them to keep visiting the institute to conduct more alumni activities. The meet was concluded by presenting the vote of thanks by Dr.Swathi K, Department of CSE.
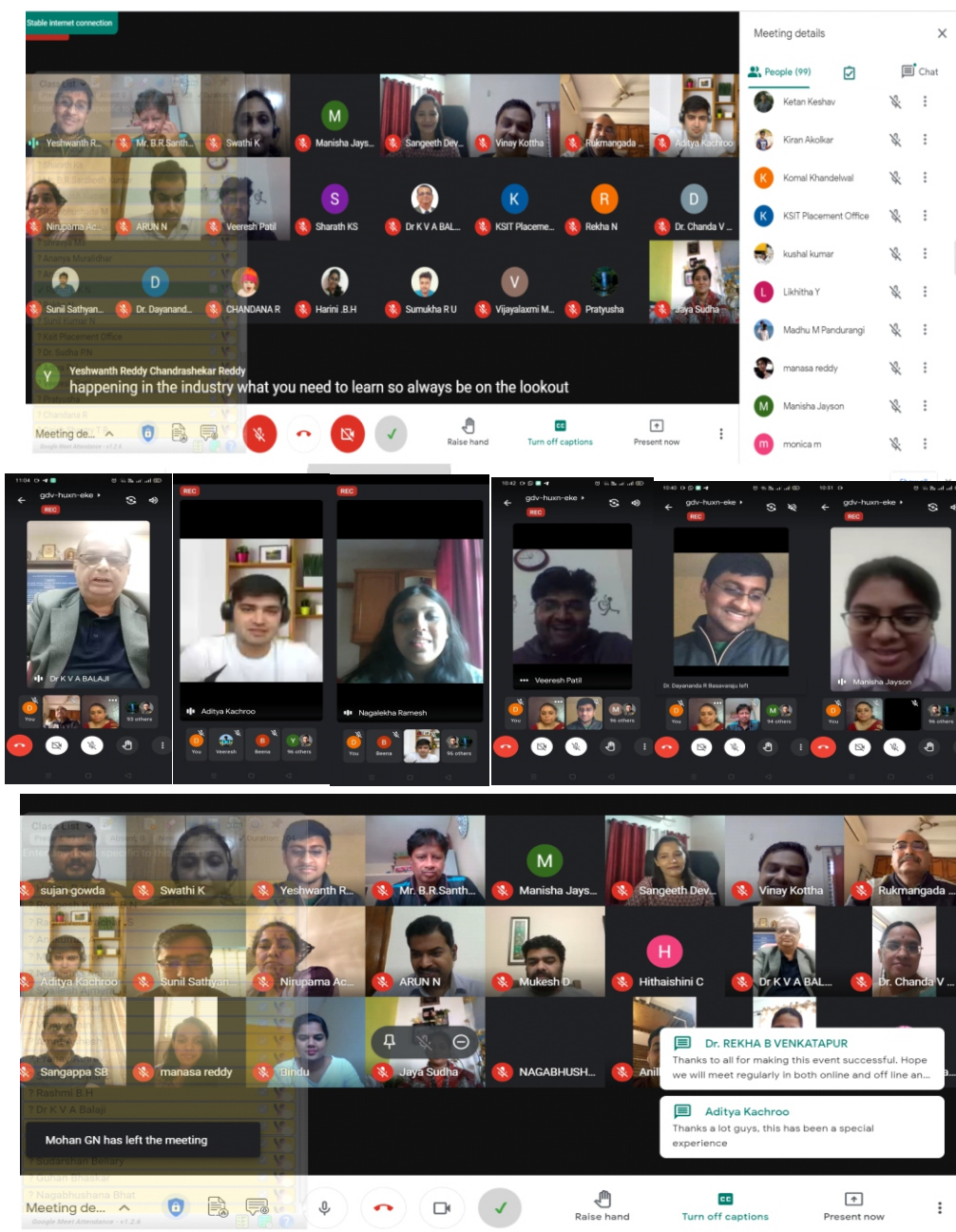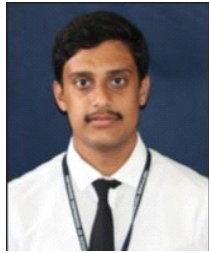
TOPPERS

Mechanical Engineering

PECHU MUTHU S
1KS16ME058
90.71%
1st Topper
8th Semester

SREEKARA K B
1KS16ME085
90.57%
2nd Topper
8th Semester

P VIGNESH
1KS16ME054
90.57%
1st Topper
7th Semester

AMOGH M KEKUDA
1KS16ME008
85.12%
2nd Topper
7th Semester

DARSHAN GOWDA S
1KS17ME019
87.75%
1st Topper
5th Semester

PRAVEEN KUMAR V
1KS17ME051
87.25%
2nd Topper
5th Semester

ANIRUDH R
1KS18ME004
84.88%
1st Topper
3rd Semester

VARUN M
1KS18ME079
80.11%
2nd Topper
3rd Semester

CHARITHA S
1KS19ME008
80.5%
1st Topper
1st Semester

SYED ASMAASHEER
1KS19ME034
80.25%
2nd Topper
1st Semester

Computer Science and Engineering

NIHARIKA RAJARAM
1KS16CS053
82.13%
1st Topper
8th Semester

TEJASWINI G
1KS16CS109
79.88%
2nd Topper
8th Semester

SOUMYA DATTATREYA HEGDE
1KS16CS100
79.88%
2nd Topper
8th Semester

LAVANYA.B
1KS16CS037
80.8%
1st Topper
7th Semester

SUPRIYA C
1KS16CS105
80.12%
2nd Topper
7th Semester

VENNALA K N
1KS16CS116
80.12%
2nd Topper
7th Semester

SPOORTHI R
1KS17CS081
81.25%
1st Topper
5th Semester

SAI SNEHA S V
1KS17CS071
80.25%
2nd Topper
5th Semester

R PRATIKSHA
1KS18CS076
92.1%
1st Topper
3rd Semester
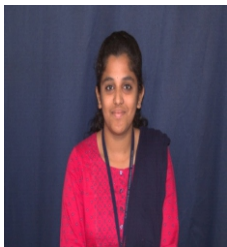
SHALINI S
1KS18CS090
87.88%
2nd Topper
3rd Semester

BHOOMIKA K
1KS19CS018
89.38%
1st Topper
1st Semester

PRIYA E
1KS19CS072
88.38%
2nd Topper
1st Semester

Electronics and Communication Engineering

ASHWINI.S
1KS16EC013
93.57%
1st Topper
8th Semester

RASHMI.S
1KS16EC072
93.43%
2nd Topper
8th Semester

MEENAKSHI A
1KS16EC049
90.38%
1st Topper
7th Semester

POOJA K
1KS16EC061
90.13%
2nd Topper
7th Semester

M.SIRISHA
1KS17EC050
88.88%
1st Topper
5th Semester

CHETHANA.K.S
1KS17EC028
83.25%
2nd Topper
5th Semester

DHEERAJ M S
1KS18EC023
87.56 %
1st Topper
3rd Semester

SUPRIYA S
1KS18EC093
85.78%
2nd Topper
3rd Semester

Gayathri R Warrier
1KS19EC028
89.25%
1st Topper
1st Semester

Disha Shivani
1KS19EC025
88.88%
2nd Topper
1st Semester

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Akshay R
1KS19ET001
89.00%
1st Topper
1st Semester

Chaitra.C
1KS19TE002
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COVID - 19

Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Most people infected with the COVID-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Older people, and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness. The best way to prevent and slow down transmission is to be well informed about the COVID-19 virus, the disease it causes and how it spreads. Protect yourself and others from infection by washing your hands or using an alcohol based rub frequently and not touching your face. The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it's important that you also practice respiratory etiquette (for example, by coughing into a flexed elbow).

PREVENTION

To prevent infection and to slow transmission of COVID-19, do the following:

- Wash your hands regularly with soap and water, or clean them with alcohol-based hand rub.
- Maintain at least 1 metre distance between you and people coughing or sneezing.
- Avoid touching your face.
- Cover your mouth and nose when coughing or sneezing.
- Stay home if you feel unwell.
- Refrain from smoking and other activities that weaken the lungs.
- Practice physical distancing by avoiding unnecessary travel and staying away from large groups of people.

A SPECIAL THANKS

EDITORIAL TEAM

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

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UPCOMING EVENTS

GRADUATION DAY
TOYCATHON
INAUGURATION DAY
EMANATION 2021
VANQUISH 2021
TEACHERS' DAY
ALUMNI MEET 2021
WORSHOPS
ENGINEERS DAY

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#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560109