



Kammavari Sangham - 1952

K. S. Institute of Technology

KSIT (Affiliated to VTU, Belagavi, Approved by AICTE, Accredited by NAAC & IEI)
K S INSTITUTE OF TECHNOLOGY

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CS-GYANBYTES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING NEWSLETTER

DEPARTMENT VISION

TO CREATE COMPETENT PROFESSIONALS IN COMPUTER SCIENCE AND ENGINEERING WITH ADEQUATE SKILLS TO DRIVE THE IT INDUSTRY

DEPARTMENT MISSION

- 1. IMPART SOUND TECHNICAL KNOWLEDGE AND QUEST FOR CONTINUOUS LEARNING.**
- 2. TO EQUIP STUDENTS TO FURNISH COMPUTER APPLICATIONS FOR THE SOCIETY THROUGH EXPERIMENTAL LEARNING AND RESEARCH WITH PROFESSIONAL ETHICS.**
- 3. ENCOURAGE TEAM WORK THROUGH INTER-DISCIPLINARY PROJECTS AND EVOLVE AS LEADERS WITH SOCIAL CONCERNS.**

PROGRAM EDUCATIONAL OBJECTIVES

- 1. PEO1: Excel in professional career by acquiring knowledge in cutting edge technology and contribute to the society as an excellent employee or as an entrepreneur in the field of Computer Science & Engineering.*
- 2. PEO2: Continuously enhance their knowledge on par with the development in IT industry and pursue higher studies in computer science & engineering.*
- 3. PEO3: Exhibit professionalism, cultural awareness, teamwork, ethics, and effective communication skills with their knowledge in solving social and environmental problems by applying computer technology.*



Sri Y Ramachandra Naidu
President



Sri K Venkatesh Naidu
Secretary



Sri D Rukmangada
Treasurer



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

- Dr. K. V. A Balaji
Principal/CEO



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

—Dr. Rekha B. Venkatapur

PROFESSIONAL BODIES

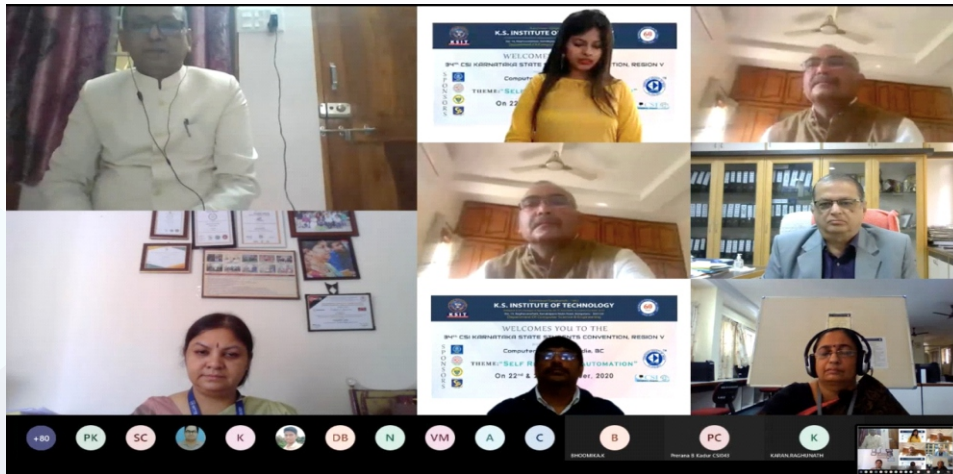
CSI/ISTE/IEI/BITES

- **34th CSI Karnataka State Student Convention (Online)**

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, KammavariSangham, Sri. Venkatesh Naidu, Hon. Secretary, Sri D. Rukmangada, Treasurer, KammavariSangham, 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.

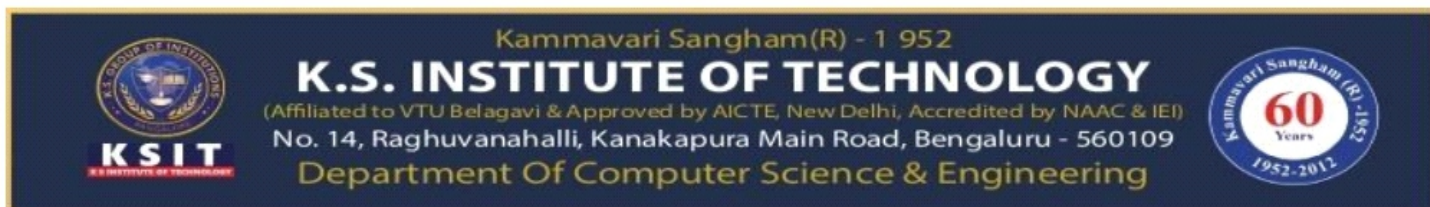
Day-2: 23/12/2020

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, KammavariSangham, presided the function. Mrs. AnithaVenkatesh , Sri D. Rukmangada, Treasurer and Dr. K.V.A Balaji, Principal & CEO addressed the gathering.



Winners of various events



34th CSI Karnataka Student Convention (Online)

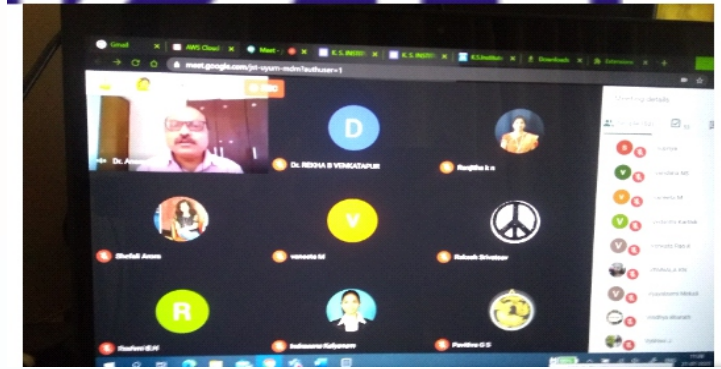
Theme : "Self Reliance & Automation"

Consolidated Winners and Runners

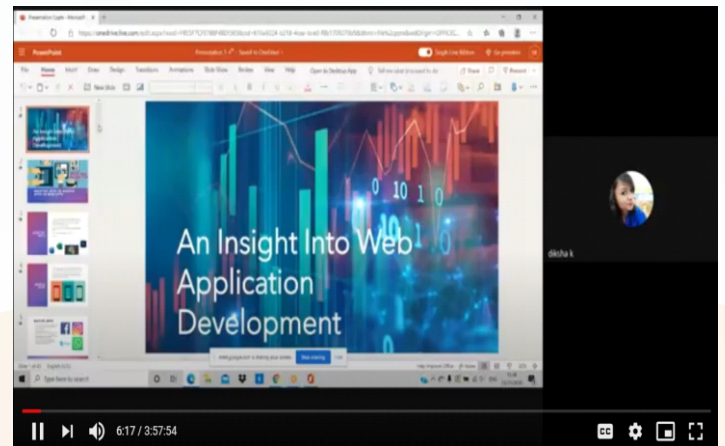
Sl. No.	Event	Winner		Runner	
		Name	College	Name	College
1	Can You Correct Me	Akshay R	K S Institute of Technology, Bengaluru	Ishika Naveen	Sai Vidya Institute of Technology
2	Codigo	Venkatesh G D	KLS Gogte Institute of Technology, Belagavi	Chennakeshava NT	K S Institute of Technology
3	General Quiz	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 Institute 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.

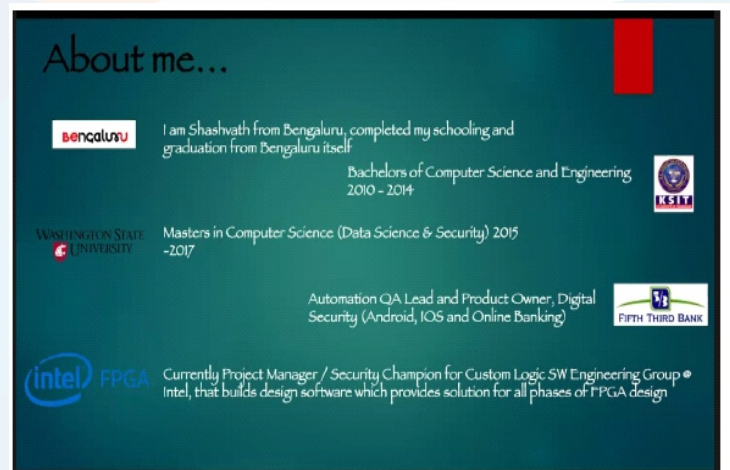
- Workshop on “AWS Cloud Practitioners” by Dr. Prakash, Principal, EPCIT & Nandini Gowda, Shefali , EPCIT, organized under CSI Banner for 6th and 8th sem students on 21st and 22nd July 2020.



- The Department of Computer Science and Engineering 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.



- 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.



EVENTS ATTENDED - FACULTY

FDPs/WORKSHOPS/SEMINARS/WEBINARS/CONFERENCES

- 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 5days 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 6th August 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

PUBLICATIONS - 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

PUBLICATIONS - 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.

PUBLICATIONS - STUDENTS

- 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.

RECOGNITION - 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.

➤ BEST PAPER PRESENTATION AWARD

- 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.



➤ 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.

➤ 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.



➤ AWARD

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

➤ GUEST SPEAKER

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



RESEARCH ACTIVITIES

- **Prof. Deepa S R** successfully completed her **Ph.D** Defense Viva-Voce on **14th September 2020** and has been awarded **Doctor of Philosophy** for the Research Title “**Bio-Inspired Cluster Optimization in Wireless Sensor Network**” carried out under the Research Guide **Dr. D. Rekha**, Vellore Institute of Technology , Chennai, India.



- **Prof. Swathi K** successfully completed her **Ph.D** Defense Viva-Voce on **24th July 2020** and has been awarded **Doctor of Philosophy** for the Research Title “**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**, Visvesvaraya Technological University, Belagavi, Karnataka, India.



- **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 Research Title “**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.



RESEARCH ACTIVITIES

- **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.

PATENTS

- 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**.

ACHIEVEMENTS - 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.
- **CHENNAKESHA 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.
- **VARSHITHAS**, 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.
- **CHENNAKESHA N T** Participated in MICROSOFT NASSCOM FUTURE SKILLS organized by MICROSOFT on 10th OCTOBER 2020.

ALUMNI INTERVIEW



Ms. HARIKA ANAMALAMUDI

**Experienced Developer and Scrum Master
Ericsson
Finland, Europe.**

Graduated from KSIT in the year 2012

Things to know about working abroad (if you would like to)?

Before you take an international job, it would be wise to get to know their working culture and work-life balance. Understand your visa conditions, get to know the living costs. Learning their language and integrating with the local people is an added bonus.

Do work experience at the university matter to bag a job later?

Unfortunately, these days most employers expect more on your CV than just your degree. It would be really helpful if you could build an arsenal of relevant work experience before you graduate. Keep yourself updated with the latest technologies through learning websites like udemy, coursera. Keep your LinkedIn profile updated. This will massively help you leapfrog your application to the top of the pile.

Valuable life skills that I have learned in college?

When I think about all that time I spent working toward my degree, I wonder what did it really leave me with. I don't think of proper syntax and derivatives. Instead below are the things that come to my mind.

How to discipline myself.

Succeeding in college, and in life overall means learning how to discipline yourself. Whether it's studying for an exam or just showing up for class, self-discipline is what gets the job done.

Multitasking.

Often times you have to do more than one thing at a time. But that's okay, you have got this down pact to an art form. Welcome to work-life balance. where you will be "business you" one minute and "social you" in the next minute.

Any last bits of advice that you would give to potential students?

Don't compare yourself to other students. It is easy to feel lost, especially when it comes to academics. Remember that everyone has unique talents, and you have four years to cultivate yours. Do not let the pressures or judgment of others keep you in a situation that isn't ideal for you. The change might be challenging at first, but it will be worth it. You might not be able to do everything and that is okay.



EDITORIAL COMMITTEE FACULTY COORDINATORS

DR. SWATHI K
PROF. SNEHA C R

STUDENT COORDINATOR

SPOORTHI R