

NOSTALGIA 2020 - 2021



KAMMAVARI SANGHAM(R) - 1952
K S GROUP OF INSTITUTIONS

K. S. INSTITUTE OF TECHNOLOGY

Accredited by NAAC & IEI
(Approved by AICTE & Affiliated to VTU)

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560109
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PRERANA -7

Inspire To Inovate

Staff Coordinators:

**Mrs. V Sangeetha
Mrs. Smitha Mallya**

Student Coordinators:

**Mr. Vishal Goutham
Mr. Shiva Shankar
Ms. Jagruti Pai**

**Mr. Rithvik Prabhakar
Ms. Disha Shivani
Ms. Gayathri P K**

**Department of Electronics and Communication
Engineering 2020-2021**



K. S. INSTITUTE OF TECHNOLOGY

Vision

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

Mission

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

DEPARTMENT VISION AND MISSION

Vision

“To achieve excellence in academics and research in Electronics & Communication Engineering to meet societal need”

Mission

- To impart quality technical education with relevant technologies to produce industry ready engineers with ethical values
- To enrich experimental learning through active involvement in professional clubs and societies
- To promote industry-institute collaboration for research & development

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

PEO1 : Excel in professional career by acquiring domain knowledge.

PEO2 : Motivation to pursue higher Education and research by adopting technological innovations by continuous learning through professional bodies and clubs.

PEO3 : To inculcate effective communication skills, team work, ethics and leadership qualities.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

PSO1: Graduate should be able to understand the fundamentals in the field of Electronics and Communication and apply the same to various areas like Signal processing, embedded systems, Communication & Semiconductor technology.

PSO2: Graduate will demonstrate the ability to design, develop solutions for Problems in Electronics and Communication Engineering using hardware and software tools with social concerns.

TOPPERS LIST

ODD SEM - 2020

3 SEM




JAGRUTHI PAI
1KS19EC035




DISHA SHIVANI
1KS19EC025

5 SEM



HARSHITHA. S
1KS18EC031



DHEERAJ. S
1KS18EC023

7 SEM



M. SIRISHA
1KS17EC050



MADHU. S
1KS17EC051

EVEN SEM - 2021

4 SEM



JAGRUTHI PAI
1KS19EC035




DISHA SHIVANI
1KS19EC025

6 SEM




SURAJ V GHORPADE
1KS18EC094




N NAGA OMKAR
1KS18EC050

8 SEM



ASHWINI. S
1KS16EC013



RASHMI. S
1KS16EC072

60	V e r z e	Ritu Patil	1KS17EC079
61	Vavavya Labs	Mahadev.G	1KS17EC052
62	Verzes	Mamatha.K. S	1KS17EC053
63	The Math Company	Naganetra.M	1KS17EC059
64	Armor Blox	Charan Yellanki	1KS17EC025
65	MULYA Software	Rachana.R	1KS17EC075
66	Mindtree	Ana Epsiba	1KS17EC007
67	Teamlease	Harshith.K	1KS17EC408
68	IT Solution Services	Tejaswini.B	1KS17EC413
69	Kaveri Telecom Products LTD	Harsha.C.M	1KS17EC407

100% RESULTS

1	Dr. B Surekha	VIII	A&B	Network and Cyber Security (17EC835)
2	Mr. Praveen. A	VII	A&B	IOT & Wireless Sensor Networks (17EC752)
3	Mr. Saleem S Tevaramani	VIII	A&B	Fiber Optics & Networks (C410/17EC82)
4	Mr. Saleem S Tevaramani	VII	A&B	Satellite Communication (17EC755)
5	Mr. Saleem S Tevaramani	VII	A	Digital Image Processing (17EC72)
6	Mrs. Pooja S	VIII	B	Wireless Cellular and LTE 4G Broadband (C409/17EC81)
7	Mrs. Pooja S	VIII	A&B	Radar Engineering (17EC833)



Sri. R. Rajagopal naidu
President



Sri. R. Leela Shankar Rao
Hon. Secretary



Sri. T. Neerajakshulu
Treasurer

"It's good to look back and reflect on what we have achieved as a community and the very purpose of publishing a annual newsletter is to highlight the activities and developments of the department, achievements of the staff, students, alumni and events organized. Newsletter reflects upon the commendable contribution made by the faculty and students alike we congratulate teditorial he team for bringing out the 7th edition of PRERANA"

- MANAGEMENT



Dr. K V A BALAJI
Chief Executive Officer
K S Group Of Institute

It is with absolute admiration that I take note of the Department of Electronics and Communication at KSIT that is fully committed to hone certain qualities among the students who enter this department and leave its portals after four years of learning, training and development. The department has been very successful in creating an ambience for its students to transform themselves into professionals with an edge to adopt and perform. The department believes that students should have an overall development through experiential learning and thus promotes a host of Club activities. Professional bodies like ISTE, IETE, IEL, IEEE and WIE are very active by providing a platform for various activities. Abundant opportunities are created for the students to learn beyond the prescribed syllabus. Students are always motivated to do projects, both minor and major, through which they bring out their learning into practice and vice versa. The wonderful efforts of staff and students are being showcased in this Newsletter - "PRERANA 6". I am very glad to wish the committed staff and talented students of the department the very best in all their academic endeavours.



Dr. DILIP KUMAR K
PRINCIPAL / DIRECTOR

Dear Staff & Students,
I congratulate editorial team of Electronics and Communication Department on this wonderful occasion of releasing the Department Newsletter "PRERANA VOLUME -7" for the period April 2020 –June2021. This newsletter highlights the departmental achievements, Events organized and along with events participated by staff and students. I am proud to say that our students are excelling in academics, sports and cultural activities. This participation and winning prove that our staff and students have brought laurels to KSIT and to the Department. Our Motto should be, "True leadership is about striving to become better in all areas of life and empowering everyone around you to become the best versions of themselves". I encourage the staff & students to become good leaders & to continue the excellent work in motivating others. My best wishes to all.



DR P. N. SUDHA
PROF & HEAD,DEPT. OF HOD

We in ECE department believe in learning & the beautiful thing about learning is that nobody can take it away from you. I would like to congratulate our department Editorial team for their excellent effort in showcasing the talent, achievements and mile stones achieved by our faculty and Students through the department news letter. It gives me immense pleasure and excitement to showcase the departmental activities through our news letter PRERANA-7 for the year 2020-21. KSIT ECE department not only concentrates on academic activities but also the overall personality development of students through innovations, creativity & 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 & creative thinking. Our experienced and well learned faculties help use to empower a diverse community of students to nurture their capabilities, transform their lives and find success through high quality teaching and learning. We encourage our students to participate in curricular and extracurricular activities to shape them as leaders of tomorrow and to be industry ready engineers to face competitive world. Our department believes in the quote" Education is not the filling a pail, but the lighting of a fire". We ignite passion towards learning in our students.

LATEST TECHNOLOGY

E-TEXTILES



Electronic textiles (or smart clothing) are fabrics embedded with digital components and electronics to provide added value to the wearer. There are many other applications that rely on integrating electronics into fabrics, such as interior design technologies. This type of technology is considered revolutionary because it has the ability to do several things that conventional fabrics cannot, including conduct energy, communicate, transform, and grow. Future applications for smart clothing may be developed for health monitoring, tracking soldiers, and monitoring pilot. Personal and portable physiological monitoring, communications, heating, and lighting can all benefit from this technology.

DEPARTMENT WELCOMES

- 1. Mrs. Yeshwini V - Assistant Professor
- 2. Mrs. Priyadarshini J Patil - Assistant Professor

30	SONATA	Navin Kumar.H. G	1KS17EC062
31		Shreyas.H. R	1KS17EC090
32		Tejas.K	1KS17EC098
33	Intellipaat	Chethana Prasad.K	1KS17EC029
34		Divya.T.M	1KS17EC036
35	NTT DATA	Anoop Deekshith.R	1KS17EC010
36		Anushri.V. K	1KS17EC014
37		Asiya Fathima.N	1KS17EC017
38		Deviyani.G	1KS17EC032
39		Prathima.P. Agnihotri	1KS17EC071
40		Shivani.K	1KS17EC088
41		SushmithaK. N	1KS17EC096
42		Vaishnavi.K. Katti	1KS17EC100
43	Accenture	Abijith Sudhir	1KS17EC002
44		Anushri.V. K	1KS17EC014
45		Chaitra.V.M	1KS17EC024
46		Devale Sudhashan	1KS17EC031
47		Penujuri Naga Sai Sneetha	1KS17EC068
48		Prathima.V. Kahyap	1KS17EC072
49		Supriya.V	1KS17EC093
50		Vaishnava.K. Katti	1KS17EC100
51	Cognizant	Anitha.R	1KS17EC007
52		Bhavana.J	1KS17EC021
53	Atos	Naveen Kumar Burgupali	1KS17EC061
54		Nikhil.V	1KS17EC064
55	Jaro Education	Disha.S	1KS17EC035
56		Sahana.V	1KS17EC085
57	Corvid Systems	H.G. Srinidi	1KS17EC041
58	WIPRO	Jeevan.R. S	1KS17EC042
59	Verzeo	Chethana Prasad K	1KS17EC029

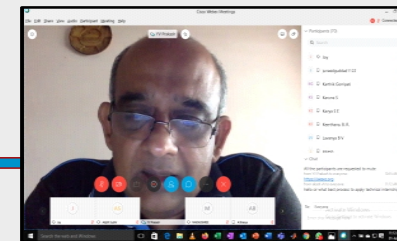
STUDENT INTERNSHIPS

Most companies look for real world experience when hiring and the best way to get that experience is through internships. Our students have done internships for real life experience and exposure in various companies like CAIR, DRDO, ISRO, Tekatron IT solutions, Bosch, SMES labs, Inventron, BSNL, SMEC Automation, Uniq Technologies.

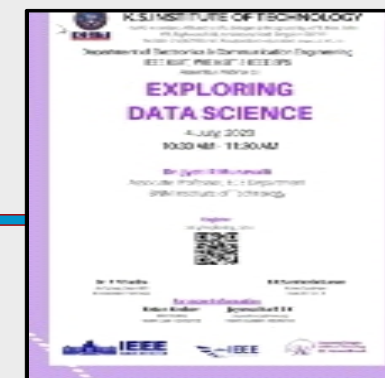
PLACEMENT DETAILS

Sl No.	Name of the Employer	Name of the student placed	USN
1	TCS	Abijith Sudhir	1KS17EC002
2		Gowtham B	1KS17EC039
3		Lekha Yadav B	1KS17EC047
4		Pallavi S	1KS17EC066
5		Rahul.R. Nadig	1KS17EC076
6		Ramya.R	1KS17EC078
7		Supriya. V	1KS17EC093
8		Sushmitha.K. N	1KS17EC096
9		Vishnavi.K. Katti	1KS17EC100
10		Vishal Goutham.N	1KS17EC104
11		Yashashwini.R	1KS17EC105
12	Avaali	Akshitha.V.Ramesh	1KS17EC004
13		Amoghavarsha.N. D	1KS17EC005
14		Amulya.S. Iyengar	1KS17EC006
15		Anagha.A. Kashyap	1KS17EC008
16		Bindu.J	1KS17EC023
17		Bhoomika.P. K	1KS17EC022
18	Infosys	Apeksha Ravi Kumar	1KS17EC015
19		Krithika.P	1KS17EC045
20		Lakshan	1KS17EC046
21		Navya.S	1KS17EC063
22		Srividya.R	1KS17EC092
23		Vishal Goutham N	1KS17EC104
24		Yashashwini.R	1KS17EC105
25	KPMG	Anushri.V. K	1KS17EC014
26		M.Sirisha	1KS17EC050
27		Pratima.P. Agnihotri	1KS17EC071
28		Rachana.R	1KS17EC075
29		Vaishnavi.K. Katti	1KS17EC100

EVENTS CONDUCTED



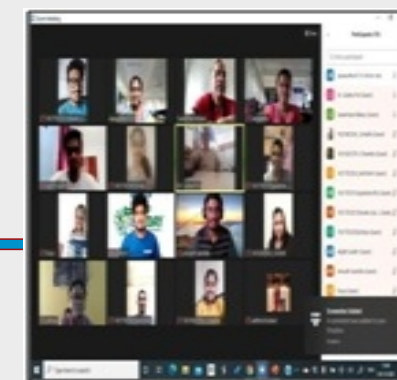
A guest lecture was conducted on TALK ON INTERNSHIP OPPORTUNITIES on 1st & 2nd July, 2020 by IEEE.



A social event was conducted on Exploring Data Science on 4th July, 2020 by KSIT, IEEE along with STB.



A guest lecture was conducted on INTRODUCTION TO ML AND FULL STACK DEVELOPMENT on 8th July,



IEEE KSIT SB held an EXECOM Meet online on 4th September, 2020 where event planning and time management were discussed. The meeting was an interactive session with an enormous exchange of ideas between the Staff and Student members.



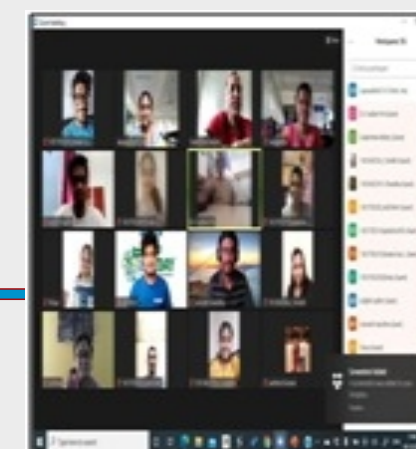
A VIDEO CONTEST was held on 3rd August, 2020 by IEEE.



IEEE KSIT SB held an EXECOM Meet online on 17th July, 2020 for Conducting membership drive and the agenda for the rest of the semester.



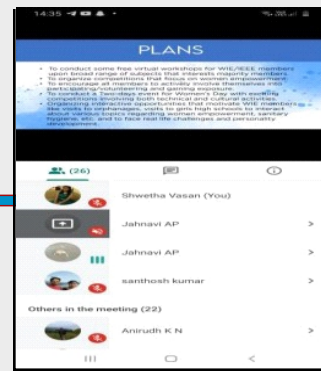
Quiz on account of latest trending technologies was held on 8th September,



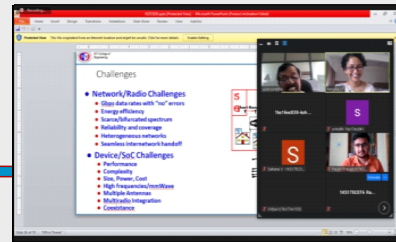
IEEE KSIT SB held an EXECOM Meet online on 11th September, 2020 where event planning and time management were discussed. The meeting was an interactive session with an enormous exchange of ideas between the Staff and Student members.



A guest lecture was conducted on WIE TALK : Go Green Zero waste Period on 12th September, 2020 where Dr. Hamsaveni Srinivasan spoke on sustainability and hygiene during menstrual cycles.



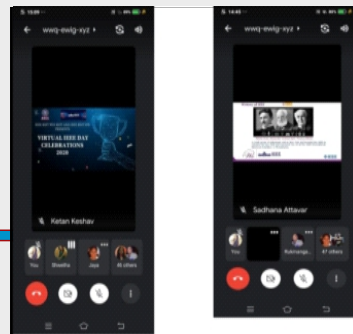
IEEE KSIT SB held an SB Meet online 14th September, 2020 to plan the events.



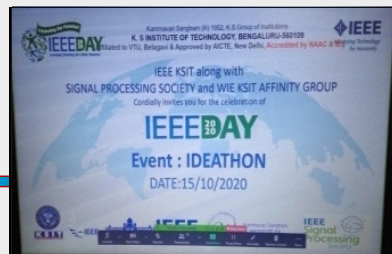
IEEE conducted a Webinar on "Shortrange Wireless Communication" by DR.G. SADASHIVAPPA, Controller of Examinations, Professor in E&TC Engineering College of Engineering, Bengaluru, on 14th September, 2020.



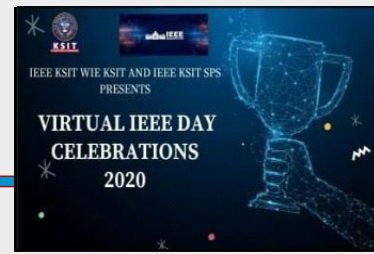
IEE EXECOME MEETING on 20th September 2020 for Online Elections presentations.



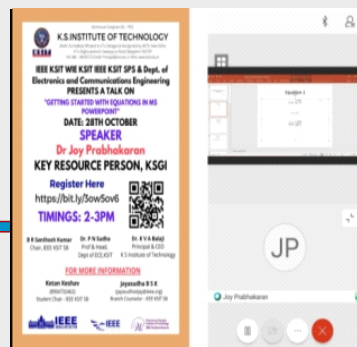
As a part of IEEE Day celebrations, IEEE KSIT along with its WIE affinity in association with IEEE Bangalore section and IEEE Signal Processing Society conducted a social event where Ms Sadhana Attavar – WIE Chair Bangalore Section explained The benefits of being an IEEE member and briefed the students with the history of IEEE.



IDEATHON was conducted as a part of IEEE Day celebrations on 15th October, 2020, where Students came up with new innovations to solve real world problems. They proposed simpler ways to improve our daily lives as well.



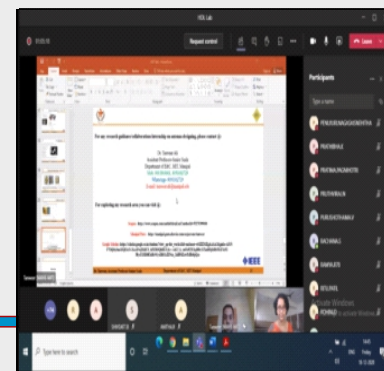
Poster Making Contest was conducted as a part of IEEE Day celebration on 15th October, where The theme for the contest was "Life in and around COVID".



A guest lecture was conducted on EQUATIONS IN MS POWERPOINT on 28th October, 2020, by IEEE.



ANNUAL VALEDICTORY FUNCTION was held on 31st October 2020 where the Execom for the year 2020-2021 were officially handed over their duties and responsibilities. The new Execom were all thrilled and excited to take up their roles in putting a united front.



Webinar on "Design of Antennas using Simulation Tools" was conducted on 18th Dec 2020 by IETE/ Dr.B.Surekha. The various outcomes of the webinar are
To analyse various performance parameters necessary for building an antenna
To recommend various antenna technologies and tools for various applications
To understand the fundamentals of Antenna Simulation tools.

PROFESSIONAL CLUBS



KSIT IEEE Student branch has been recognized as one of the most active student branches by the IEEE Bangalore section. This student chapter has been highly involved in the technical development of students by conducting workshops & tech talks.



ISTE formulates & generates goals & responsibilities of technical education. Seminars, workshops, conferences are organized on the topic of relevance to technical education for engineering students as well as teachers



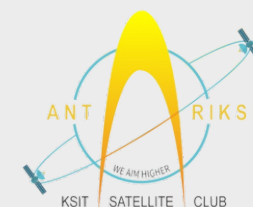
IETE focuses on advancing electro-technology. The vision of IETE is reaching the unreached & empowering youth through technical education & skill development. IETE conducts workshops & technical talks on various tech topics.



The Institution of Engineers (IEI) is the national organisation of engineers in India. IEI in KSIT promotes an environment to enable ethical pursuits for professional excellence.



Garut aeromodelling club (GAC) in KSIT provides the students with various aero modelling related workshops, technical talks & promotes environment to professional excellence.



Antariksh - KSIT Student Satellite Club provides theoretical knowledge to applying them to building satellites. There is no barrier for any branch student to be a part of the club as coming up with satellite involves coding, circuitry, design, data and communication.

112. Naveen G , Raghotham C G , "Design and construction of smart sanitizer dispenser", International Journal of Research Publication and Reviews, Vol 10, No. 7, pp.183-185,2021,ISSN: 2319-8656 , 2021
113. Anushree M , Arpitha N , K Shreya , Pallavi S , " Smart Syringe Pump for Telemedicine and Health Care", International Journal in Science , Engineering and Technology, Vol.03, No. 06, pp: 1134-1138, 2021 , e-ISSN:2395-5252
114. Vijay Babu K , Vivek Gowda J, " Smart Garbage Monitoring System", International Advanced Research Journal in Science, Engineering and Technology,Vol.08,No.07,pp:185-189, e-ISSN:2395-8021, 2021
115. Charan Sai Y , Purushothama V , Shivdatt B , Somashekar , " A Survey on Ultra Violet sterilization Robot for Disinfection", Internatinal Advanced Research Journal of Engineering and Technology, Vol.08, No.05, pp: 1-3 , 2021 , e-ISSN: 2395-0056, 2021
116. Jyotsna B Upadhye , Karishma M , " Smart Notice Board" , International Advanced Research Journal in Science, Engineering and Technology,Vol.08,No.07,pp:185-189, 2021 ,e-ISSN:2395-8021, 2021
117. Sowjanya K N , Nikhil Jamadagni , K Unnimaya , Bhavana G , " Automatic Movable Smart Road Divider using IOT", International Advanced Research Journal in Science, Engineering and Technology,Vol.08,No.07,pp:324-329, 2021, e-ISSN:2393-8021, 2021
118. Shararth Kumar R , Yatish S Dhanajaya , Renukaprasad M R, Subramani Gajanana Moger, " Implementation of IOT Based Cloud Integrated Smart Classroom and Sustainable Campus", International Advanced Research Journal in Science, Engineering and Technology,Vol.08,No.07,pp:285-288, 2021, e-ISSN:2393-8021, 2021
119. Varshini B M , Sushma A V , " Smart crop protection using Arduino" , International Advanced Research Journal in Science, Engineering and Technology,Vol.08,No.07,pp:213-217, 2021 e-ISSN:2393-8021, 2021
120. K Rishika Ravi , Komala K V , " Smart Irrigation System ", International Advanced Research Journal in Science, Engineering and Technology,Vol.08,No.07,pp:255-257, 2021e-ISSN:2393-8021, 2021
121. Ananya Ananth , Ashitha S C , " Bluetooth Based Obstacle Avoiding Robot", International Advanced Research Journal in Science, Engineering and Technology,Vol.08,No.x,pp:1-6, 2021 e-ISSN:2393-8021, 2021
122. Parikshith S , P Sai Govardhan , " Li-Fi based Text Transmission", International Advanced Research Publication and Reviews, Vol.02, No.7, pp:1662-1665,2021,ISSN: 2582-7451,2021
123. Abijith Sudhir , Amoghavarsha N.D , Devale Sudarshan , Vinayak Bajantri , " Entire Body Postural Analysis Assessment Device for Computer Operators", International Advanced research journal in science , engineering and technology , Vol.08, No.5 , pp: 364-366, 2021, ISSN:2393-8021 , 2021
124. Sowjanya K N , Nikhil Jamadagni H M , K Unnimaya , Bhavana G , " Automatic Movable Smart Road Divider Using IOT", International Journal for research in applied science and engineering technology , vol.08, No.8, pp.1-4, 2021,ISSN: 2393-8021, 2021
125. Charan Sai Y , Purushothama V , Shivdatt B , Somashekar S , " Implementation of ultra Violet sterilization robot for disinfection", International journal for research and applied science and technology, Vol.8, No.8,pp.411-412,ISSN: 2391-9653 , 2021
126. Charan Sai Y , Purushothama V , Shivdatt B , Somashekar S , " A survey on Ultra-voilet Sterilization Robot for Disinfection", International Research Journal of engineering and technology , Vol.8, No 5, pp.1-5,2021, ISSN: 2395-0056, 2021
127. Anoop Deekshith R , Jeevan R S , Gowtham B, Darshan T G , "Implementation and development of prosthetic hand for the disabled", international Advanced Research journal in science , engineering and technology, Vol8, No0.5, pp.412-417,2021,ISSN: 2393-8021, 2021
128. Lavanya M , Meghana Gowda V , "Automated railway level crossing using Arduino", international journal of research publication and reviews , Vol.2,No.8,pp.52-56,2021,ISSN:2582-7421,2021
129. Akhila V, Aishwarya Bandigani, " LPG Gas Leakage Detector", International Advanced Research journal in science, engineering and technology , vol.8, No.7,pp.190-192,2021,issn:2393-8021, 2021
130. Shashank H K , Shrikanth C K , " Social Distance Remainder", International journal of research publication and reviews, Vol.2,No.8,pp.982-983, 2021, ISSN: 2582-7421, 2021
131. 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-16thDec 2020
132. Prathiksha P , " Automation of Anomaly detection in warehouses : a machine learning based approach", 3 -day international conference (online) on science . Dec 7th-9th 2020
133. Akshatha Shenoy, Junaid Khan, Megha S. Savalgi, K.M. Bhavana," Secure Anti-Piracy System", [Intelligent System Design. Advances in Intelligent Systems and Computing. Vol 1171. Springer, Singapore., pp. 827-835, 2021. Online ISBN: 978-981-15-5400-1, Print ISBN 978-981-15-5399-8, ISSN 2194-5365.](#)
134. P. Pratiksha, K.Pooja, Onkar Mishra, "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. 2020



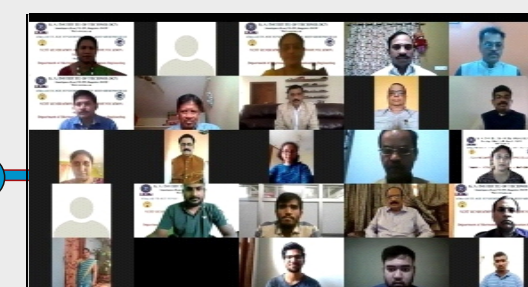
6 days Refresher Program on 5G and its implementation was conducted on 21st Dec 2020 to 26th Dec 2020. The speakers for this event were Dr.Babu, Professor ECE dept. National Institute of Technology Calicut Mr. S. Vijay Anand, Assistant Vice President – AltranTechnology Mr. Kumarasamy Durairajan BITS Pilani Dr. Rajarshi Mahapatra, Associate Professor & Dean (Academics) International Institute of Information Technology, Naya Raipur, Chhattisgarh , Dr. Ambika, Prof. & Head ECE Dept BMSIT Bangalore, Dr. S. Ravi Shankar, Prof. ECE dept. RV College of Engg. Bangalore, Dr. Nagaraj G. S. Prof. Dept of CSE RV college of Engg, Bangalore , Dr P N Sudha, Prof. & Head ECE dept KSIT, Dr Giribabu, Ms. Sabitha Gauni, Associate Professor/ Dept. of ECE, SRMIST, Prof. Chandrasekhar Shastry , Dean,P.G.Studies, Jain University, Bangalore, Mr. Sasindran Prabhu Associate Professor ECE dept. KSSEM Bangalore and Mrs. Rohini Chakravarthy.



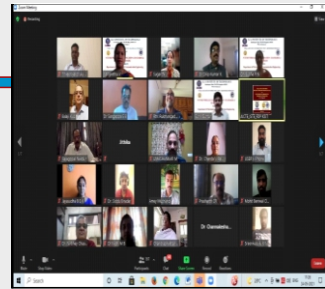
Code Innovation Series was conducted on 15,16 April 2021, To provide a competitive field in coding and students came up with innovations to solve the problems.



Awareness program on Elimination of Single use plastic was conducted on 5th april 2021 by NSS, as an initiative to create an awareness about adverse effects on our environment because of the usage of plastic.



A 6 Days Refresher Program on Next Generation Wireless Communication: 5G and its Beyond from 3rd to 8th May 2021. The speakers for this 6 day event were Dr.G. Maheswaran, Principal, VSA Group of Institutions, Salem, TN . B. SathishBabu, Professor, RV College of Engineering, Bangalore Dr.Siddesh.G K, Associate Professor & HOD, ECE Dept., JSSATE Mr.PrateekHarsora, Faculty at Art of Living Bangalore Dr.RabidranathBera Sikkim Manipal University Sikkim Dr.Sangmesh, Assistant Professor & Incubation Manager, BMS Incubation Dr.P. B. Manoj, Associate professor, AMC Enggcollege, Bangalore Dr.R. Nagaraja, Professor, Research and PG coordinator, Bangalore Institute of Technology. Dr.R.Venkateswari, PSG College of Technology, Coimbatore Dr.RajeshreeRaut Govt. College of Engineering Nagpur Maharashtra Dr. SAPTARSHI CHAUDHURI Dr.ThippeSwamy G, Professor, BMSIT& M Dr. Sridhar Iyer, R&D Coordinator, S.G. Balekundri Institute of Technology, Belagavi Dr.P.N.Sudha , Prof & Head, ECE Department, KS.Institute of Technology, Bangalore



A 6 Days Refresher Program on FUTURE WIRELESS COMMUNICATION: STANDARDS & TECHNOLOGIES was conducted from 24th to 29th May 2021. The speakers for this event were Dr. Nidhi M B Dr NAGARAJA G.S, Professor and Associate Dean, RV College of Engineering, Bangalore Mr. Rakshak Agrawal, System Architect, Nokia Networks.

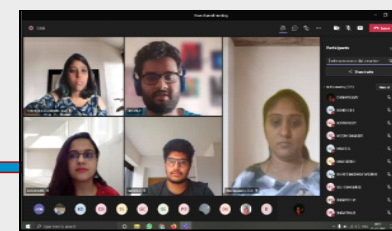
Dr. G.T.Raju, Principal, SJCT, Chikkabalapur. Dr. Mihir. N. Mohanty, Professor, ITER, Siksha 'O' Anusandhan, Odisha University. Dr. Siddalingappagouda Biradar, Associate Professor, Dayananda Sagar Academy of Technology, Bangalore. Mr. Chengappa. M.R, Architect, W.W.Telco Solution Strategy R&D Labs Hewlett Packard Enterprise Mr. Mahadesha. V, Program Director, Centre for e-Governance, Government of Karnataka Dr. Rutvij. C. Joshi, A.D. Patel Institute of Technology, Gujarat Mr. Chengappa. M.R, Architect, W.W.Telco Solution Strategy R&D Labs Hewlett Packard Enterprise : Ms. Ramya Kovanur, ISHA Foundation .Michaelraj Kingston, Sri Eshwar College of Engineering, T.N Dr. Anil Kumar, State Project Administrator, SPIU-UP/ TEQUIP-III, Ministry of Education, Government of India Dr. Rekha. P.M, JSSATE, Bangalore.



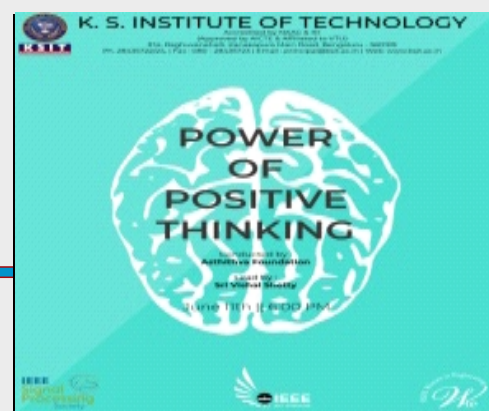
WEBINAR on "Cyber Security and Ethical Hacking" on 11th June 2021 by IETE-KSIT To provide knowledge on cyber security and ethical hacking



Chat over Coffee with IEEE volunteer was conducted on 1st June 2021 by IEEE To promote IEEE membership development



Fire side chat with IEEE volunteers was conducted on 31st May 2021 by IEEE To promote IEEE membership development



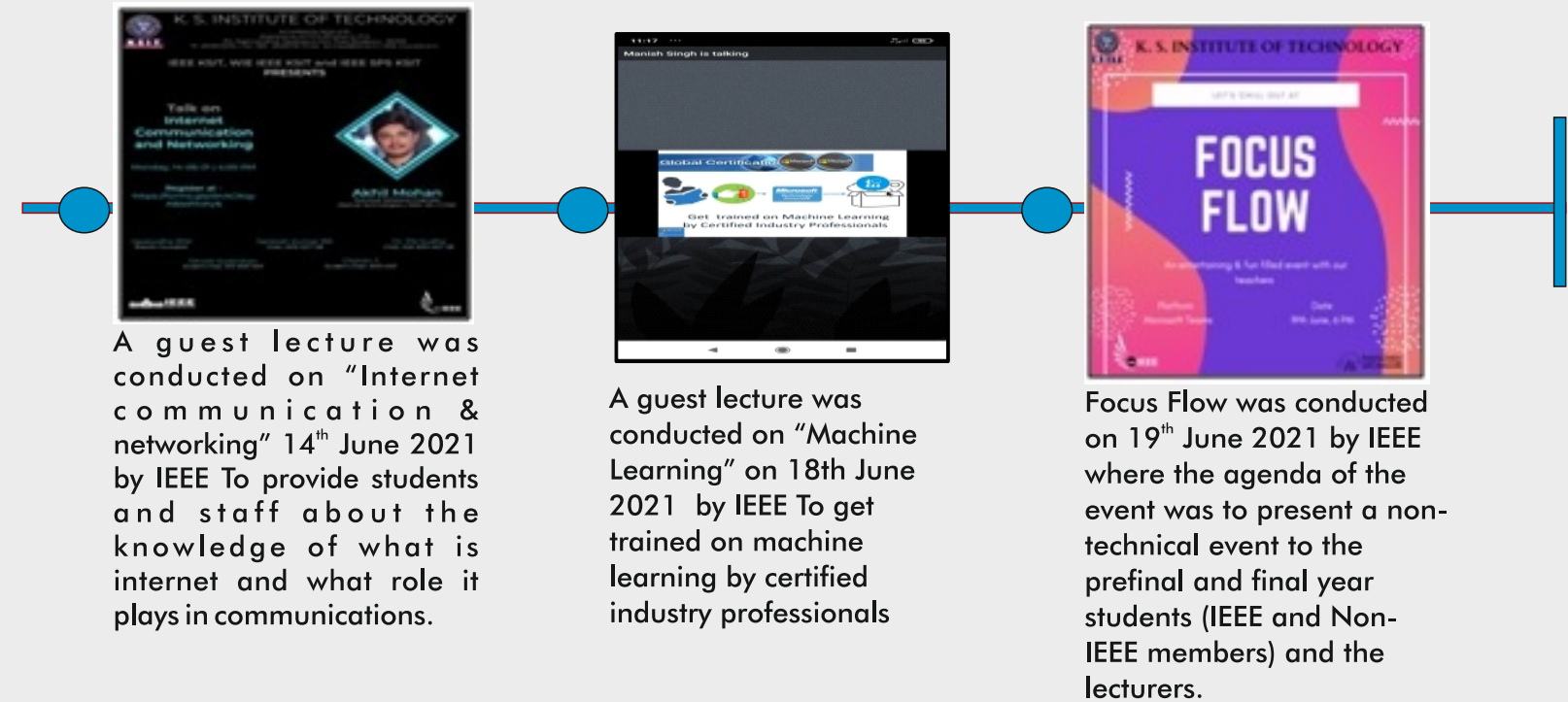
Power of Positive thinking was conducted on 11th June 2021 by IEEE. The event went on for an hour where the audience learnt details of meditation about the importance of positive thinking.



Webinar on "COVID-19 vaccination technologies" was conducted on 12th June 2021 by IETE To expose the stakeholders the emerging COVID VACCINE Technology. To provide the students and faculty an opportunity, To meet the experts working in Vaccine Development, To recommend various Vaccines To understand the challenges.

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FDP/WORKSHOP ATTENDED BY FACULTY

- Dr. P.N Sudha, Professor and HOD, ECE Department, Mrs. Smitha Mallya, Assistant Professor attended 3 days FDP on 5G and its impact on Internet of things held on 9th-11th July 2020 at Vemana Institute of Technology, Bengaluru.
- Dr. P.N Sudha, Professor and HOD attended 6 days FDP on Advances in Signal Processing and Wireless Communication held on 24th-29th August 2020 at Rajeev Institute of technology, Hassan.
- Dr. P.N Sudha, Professor and HOD attended 6 days FDP on Microwave and Antenna applications in 5G held on 8th-13th December 2020 at IEEE AP-MTT CHAPTER 7 IEEE Bangalore section.
- Dr. P.N Sudha, Professor and HOD attended 6 days STTP phase 3 on Cyber Criminology and Network Security held on 14th-19th December 2020 at Gopalan College of Engineering and Management.
- Dr. P.N Sudha, Professor and HOD, Dr. B. Surekha, Professor, Dr. B. Sudarshan, Professor, Mr. B. R. Santhoshkumar, Associate Professor, Dr. Mrs. Vishalini Diwakar, Assistant Professor, Mrs. Jayasudha B. S. K, Assistant Professor, Mr. Sunilkumar G. R, Assistant Professor, Mrs. Sangeetha. V, Assistant Professor, Mr. Praveen A, Assistant Professor, Mr. Christo Jain, Assistant Professor, Mrs. Pragathi P, Assistant Professor, Mrs. Aruna Rao. B. P, Assistant Professor, Mrs. Pooja. S, Assistant Professor, Mrs. Smitha Mallya, Assistant Professor, Mrs. Yeshwini. V, Assistant Professor attended 6 days induction program on Next generation Wireless Communication: 5G Technology and its implementation held on 21st-26th December 2020 at KSIT, Bangalore.
- Dr. B. Surekha, Professor attended 6 days FDP on Machine Learning with Python held on 13th-18th July 2020 at KKR & KSR Institute of Technology and Sciences, Andhra Pradesh.
- Dr. B. Surekha, Professor, Mrs. Yeshwini. V, Assistant Professor attended 3 days FDP on insights on antenna, satellite and radar communication held on 10th-12th August 2020 at KSIT, Bangalore.
- Dr. B. Surekha, Professor attended 6 days training program on Graphical System Design approach for Signal and Image Processing applications held on 2nd-7th November 2020 at R. V. R & J. C college of Engineering, Guntur.
- Dr. B. Surekha, Professor, Dr. B. Sudarshan, Professor, Mr. B. R. Santhoshkumar, Associate Professor, Mrs. Vishalini Diwakar, Assistant Professor, Mr. Sunilkumar G. R, Assistant Professor, Mrs. Sangeetha. V, Assistant Professor, Mr. Christo Jain, Assistant Professor, Mrs. Aruna Rao B. P, Assistant Professor, Mrs. Smitha Mallya, Assistant Professor attended FDP on Next Generation Wireless Communication: 5G and beyond held on 3rd-8th May 2021 at KSIT, Bangalore.
- Dr. B. Surekha, Professor attended FDP on Inculcating universal human values in technical education held on 17th-21st May 2021 at AICTE, New Delhi.
- Dr. B. Surekha, Professor attended webinar on Bhuvan overview held on 8th-10th June 2021 at NRSC, Hyderabad.
- Dr. B. Surekha, Professor, Mrs. Smitha Mallya, Assistant Professor attended 3 days FDP on recent trends in Wireless Communication Technologies held on 3rd-5th August 2020 at Bangalore Institute of Technology, Bangalore.

- Mr.B.RSanthosh Kumar, associate professor, Mrs. Vishalini Diwakar, Assistant Professor, Mrs. Sangeetha.V, Assistant Professor, Mr.Sampath Kumar, Assistant Professor, Mrs. Christo Jain, Assistant Professor attended FDP on Future Wireless Communication: Standards and Technologies held on 24th-29thMay 2021 at KSIT, Bangalore.
- Mr.B.R. Santhosh Kumar, Associate Professor attended FDP on Machine Learning using Python programming held on 1st-5th May 2021 at AJ Institute of Engineering and Technology.
- Mrs. Jayasudha B.S.K, Assistant Professor, attended one week FDP on Mathematical foundations of Machine Learning held on 14th-21st August 2020 at NMAM Institute of Technology, Karnataka.
- Mrs. Jayasudha B.S.K, Assistant professor attended FDP on Artificial Intelligence held on 4th-8th January 2021 at GSSS Institute of Engineering and Technology for women.
- Mrs.Jayasudha B.S.K, Assistant Professor attended 6 days FDP on advanced topics and applications of Machine Learning held on 31st August-5th September 2020 at NMAM Institute of Technology, Karnataka.
- Mrs.Jayasudha B.S.K, Assistant Professor attended 5days FDP on sensors and their applications held on 13th-17th July 2021 at Mallnad College of Engineering (AICTE ATAL Academy).
- Mr.Sampath Kumar, Assistant Professor attended 5 days FDP on sensors and their application held on 13th-17th July 2020 at Vemana Institute of Technology, Bengaluru.
- Mr.Sampath Kumar, Assistant Professor attended 5 days FDP on Deep Learning and Natural Language Processing using modern tools held on 21st-25th July 2020 at Bangalore Institute of Technology, Bengaluru.
- Mr.Sampath Kumar, Assistant Professor attended 5 days FDP on Advanced Microcontrollers and Python Programming held on 11th-15th August 2020 at Jyothy Institute of Technology, Bengaluru.
- Mr.Sampath Kumar, Assistant Professor attended FDP on innovation in teaching, research and challenges in accreditation process for higher educational institutions (ITRCA)held on 17th-22nd May 2021 at IQAC.
- Mr.Sampath Kumar, Assistant Professor attended FDP on pedagogy of teaching and tools of e-content development for effective learning held on 5th-14th July 2021 at IQAC.
- Mr.Sampath Kumar Assistant Professor attended FDP on role of mathematics in latest engineering trends held on 4th-10th June 2021 at Lords Institute of Engineering Technologies.
- Mr.Sampath Kumar, Assistant Professor attended FDP on foregrounding the spectrum of character building in modern human life held on 25th June-3rd July 2021 at Balaji Institute of Technology and Science.
- Mr. Saleem.S.Tevarmani, Assistant Professor attended seven days symposium on NAAC Accreditation process held on 23rd-30th November 2020 at BMS College for Women, Bangalore.
- Mr. Saleem.S.Tevarmani, Assistant Professor attended three days workshop on 5G Wireless Communication and Antenna Design using MATLAB and Simulink held on 14th-16th December 2020 at Karpagavinayag a College of Engineering and Technology, Tamil nadu.
- Mr.Saleem.S.Tevarmani, Assistant Professor attended 5 days short term training programme (STTP) on Machine Learnings and its Applications on Cyber Security held on 26th-31st December 2020 at Gandhi Institute for Education and Technology.
- Mrs.Pragati P, Assistant Professor attended 5 days FDP on Contemporary research trends in Electronics and Communication held on 6th-10th July 2020 at VTU, Kalaburagi.
- Mrs.Pragati P, Assistant Professor attended 5 days FDP on 10T and Wireless Sensor Networks held on 27th-31st July 2020 at Brindavan College of Engineering, Bengaluru.
- Mrs.Priyadarshini.J.Patil, Assistant Professor attended one week workshop on recent trends in Electrical Engineering held on 20th-26th July 2020 at Amrita School of Engineering, Bangalore.
- Mrs.Yeshwini.V, Assistant Professor attended 2 days workshop on Web Development using Real Time APIS held on 6th-7th July 2020 at KSIT, Bangalore.

FACULTY ACHIVEMENTS:

- Dr. P.N. Sudha, HOD & Professor attended an event on Recent Trends in wireless & mobile communication as a Guest Speaker on 27th March 2021 at Dayananda Sagar University School OF Engineering, Bengaluru.
- Dr. P.N. Sudha, HOD & Professor attended an event Idea/PoC Pitching & Validation as a judge on 28th December 2020 at SMVIT, Bengaluru.
- Dr. P.N. Sudha, HOD & Professor attended 34th CSI Karnataka state student convention as a Session Chair on 22nd to 23rd December 2020 KSIT, Bengaluru.
- Dr. P.N. Sudha, HOD & Professor attended a 6 days Induction program on "Next generation wireless communication :5G technology and its implementation as a Resource person on 21st to 26th December 2020 at KSIT, Bengaluru.
- Dr. P.N. Sudha, HOD & Professor attended Editorial Board of Lattice Science Publication 2020-2021 as a member, Bengaluru.
- Dr. P.N. Sudha, HOD & Professor attended Editorial Board of Blue Eyes Intelligence Engineering and Sciences Publication 2020-2021 as a member, Bengaluru
- Dr. B. Surekha, Professor attended Research Article Writing as a Resource person on 3rd June 2021 at SGBIT, Belagavi.
- Dr. B. Surekha, Professor attended an event on Quality & Quantity (QUQU) as a Reviewed on 3rd June 2021 at Springer Nature.
- Dr. B. Surekha, Professor attended Elevation to the grade of IEEE Senior member and was Recognized as IEEE Senior member on 20th February 2021, IEEE.

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- 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. 8, No 1, pp 1 ,7, 2021, ISSN: 2395 ,0056
- Jayasudha. B.S.K, Anushree. M, Arpitha. N, K. Shreya, Pallavi. S, Smart Syringe Pump for Telemedicine and Health Care , International Journal of Advance in Engineering and Management, Vol.03, No. 06, pp: 1134 , 1138, 2021, e ,ISSN: 2395 ,5252
- Sampath Kumar. S, Deemanth. K.P, Mohammed Waleed, Bharath. R, Smart Traffic System Using Load cells and IR Sensors , International Advanced Research Journal in Science, Engineering and Technology, Vol.08, No. 04, pp: 362 , 364,2021, e ,ISSN: 2393 ,8021 ,
- Sampath Kumar. S, Ravi Nandan, Lokesh. S, Nikita Balappa Narasannavar, Pratyusha. S, 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
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- Dr. B. Surekha, Professor attended IEEE Access as a Reviewer on 13th February 2021, IEEE.
- Dr. B. Surekha, Professor attended an event on Development of Bioinspired Algorithms for Real Time Piracy Detection Systems based on Thermogram Analysis and Received research Grants of worth Rs 3 Lakhs under RGS/F Scheme on 11th February 2021 at VGST, Bengaluru.
- Dr. B. Surekha, Professor attended an event on Sensor Fusion Algorithms for Vehicle Classification Based on Deep Learning for M. Tech Dissertation Report Evaluation on 1st February 2021 at RV College of Engineering, Bengaluru.
- Dr. B. Surekha, Professor attended Global Web Conference as an Organizing committee member on 29th to 30th January 2021 at NFED, Tamil Nadu.
- Dr. B. Surekha, Professor attended Global Web Conference as a Session Chair on 29th to 30th January 2021 at NFED, Tamil Nadu.
- Dr. B. Surekha, Professor attended Cognitive Computation as a Reviewer on 9th January 2021 at Springer.
- Dr. B. Surekha, Professor attended International Journal of Ambient Computing and Intelligence as a Reviewer on 2nd January 2021 at IGI Global.
- Dr. B. Surekha, Professor attended an event on Computers in Biology and Medicine as a Reviewer on 23rd December 2020 at Elsevier.
- Dr. B. Surekha, Professor attended 34th CSI Karnataka state student convention as a Session Chair on 22nd to 23rd December 2020 at KSIT, Bengaluru.
- Dr. B. Surekha, Professor attended 34th CSI Karnataka state student convention as a Reviewer on 22nd to 23rd December 2020 at KSIT, Bengaluru.
- Dr. B. Surekha, Professor attended an event on Transactions on Internet Technology as a Reviewer on 18th December 2020 at ACM.
- Dr. B. Surekha, Professor attended an event on Digital Signal Processing as a Reviewer on 13th November 2020 at Elsevier.
- Dr. B. Surekha, Professor attended an event on Abnormal Event Detection for Video Surveillance Applications as a Doctoral Committee Member on 13th November 2020 at JSS University of Science and Technology, Mysuru.
- Dr. B. Surekha, Professor attended International Journal of Speech Technology as a Reviewer on 31st October 2020 at Springer.
- Dr. B. Surekha, Professor attended an event on Biomedical Signal Processing & Control as a Reviewer on September 2020 at Elsevier
- Dr. B. Surekha, Professor attended an event on Cyber Security in Vehicular Communication for M. Tech Dissertation Report Evaluation on 28th August 2020 at RV College of Engineering, Bengaluru.
- Dr. Sangappa SB, Professor attended ISTE National Executive Council, section chairman & section managing committees for the term 2020-2024 as an Elected member 2020-2021 ISTE, DELHI.
- Dr. Sangappa SB, Professor attended Inauguration of ISTE Chapter as a Speaker on 23rd January 2021 at Presidency University.
- Dr. Sangappa SB, Professor attended Meeting of board of examiners to scrutinize the question paper as a Chairman on 18th to 20th January 2021 at U.B.D.T College of Engineering, Davangere.
- Dr. Sangappa SB, Professor attended AICTE-ISTE induction/Refresher program as Chief coordinator on 21st December 2020 at KSIT, Bengaluru.
- Dr. Sangappa SB, Professor attended Karnataka state open university as a member of Verification committee on 20th August 2020 at Karnataka state open University, Mysore.
- Dr. Joy Prabhakaran, Professor attended 34th CSI Karnataka state student Convention as a Session Chair on 22nd to 23rd December 2020 at KSIT, Bengaluru.
- Dr. Joy Prabhakaran, Professor attended 34th CSI Karnataka state student Convention as a Judge on 22nd to 23rd December 2020 at KSIT, Bengaluru.
- Mrs. Jayasudha BSK, Assistant Professor attended an event on Symposium cum Project Exhibition on Recent Advances in Engineering Science as an Evaluation Expert on 19th July 2021 at SJGIT, Chickballapur.
- Mrs. Jayasudha BSK, Assistant Professor attended IEEE CONECCT conference as a Reviewer on 9th-11th July 2021, IEEE.
- Mrs. Jayasudha BSK, Assistant Professor attended Impetus 21.0 as Panellists & Moderator on 30th May 2021 at UVCE, Bengaluru.
- Mrs. Jayasudha BSK, Assistant Professor attended IEEE Xtreme 14.0 programming competition Volunteered as Proctor on 24th October 2021, IEEE.
- Mrs. Jayasudha BSK, Assistant Professor attended IEEE Xtreme 14.0 programming competition Volunteered as Proctor on 24th October 2021, IEEE.
- Mrs. Jayasudha BSK, Assistant Professor participated in IEEE Bangalore section and won Best Researcher award 2020 on January 2021, IEEE.
- Mrs. Jayasudha BSK, Assistant Professor participated in IEEE Bangalore section and won Outstanding WIE volunteer award 2020 on 10th January 2021, IEEE.
- Mrs. Jayasudha BSK, Assistant Professor participated in Women in Engineering Bangalore section and won Outstanding WIE Professional Volunteer award 2020 on 3rd January 2021, IEEE.

FACULTY PUBLICATIONS

BOOK PUBLICATION

- 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
- Surekha Borra, Nilanjan Dey, R. Simon Sherratt Biometric Sensors Encyclopedia of Cryptography, Security and Privacy. Springer, Berlin, Heidelberg., Feb. 2021, ISBN: 978-3-642-27739-9
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- Surekha Borra, P. Pratiksha, K. Pooja, Onkar Misra 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.
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5. Shreyas K V, Sananda Rao K S, Suhas M V, Krishna D, "Multi account embedded atm card with Fingerprint recognition", International Research of Journal of Engineering and Technology (IRJET), Vol 7, Issue.08, Aug 2020, pp:1687-1691,e- ISSN : 2395-0056, p- ISSN:2395-0072
6. Nandan Gowda, Jayam Haresh Tharun, Ashik B N, Deepak Lamini, "Smart Voting System using Face Recognition", International Research Journal of Engineering and Technology, (IRJET),Vol 07,No. 08 Aug2020, pp: 1463-1467, e-ISSN:2395-0056, p- ISSN: 2395-0072,
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