

NOSTALGIA 2018 - 2019



NEWS LETTER



KAMMAVARI SANGHAM (R) - 1952
K. S. INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi)

#14, Raghuvanahalli, Kanakapura Main Road, Bangalore - 560109 Tel : 080 - 28435722 / 24 Web : www.ksit.ac.in



PRERANA - 5

Inspire To Innovate

Staff Coordinators:

Mrs. Sahana Salagare

Mrs. Lakshmi H R

Student Coordinators:

Ms. Smitha S Karanth

Mr. Vishal Goutham N

Ms. Anusha

Mr. Skanda H N

Ms. Kadri Srinidhi Rao

Mr. Suvijith S

Ms. Neha N V

Ms. Swathi K S

Department of Electronics and Communication Engg.

2018-2019

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.

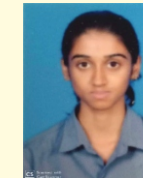
PEO2 : Motivation to pursue higher Education and research by adopting technological innovations by continuous learning through professional bodies and clubs.

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**EVEN SEM, JUNE-JULY 2018****II SEM**

YASHASWINI R
1KS17EC105
10SGPA



ANITHA R
1KS17EC009
9.67SGPA

IV SEM

MEENAKSHI A
1KS16EC049
88%



1)POOJA K
1KS16EC061
86.63%

VI SEM

SWATHI K S
1KS15EC101
88.25%



SMITHA S KARANTH
1KS15EC095
85.38%

VIII SEM

BOGGARAPU SRUTHI
1KS14EC025
88.13%



AISHWARYA V H
1KS14EC009
86.27%

ODD SEM, DEC-JAN 2018**I SEM**

SUSHMA A V
1KS18EC095
88.13%



THANUSHREE D
1KS18EC098
87.13%

III SEM

RACHANA S
1KS17EC075
92.71%



YASHASWINI R
1KS17EC105
86.35%

V SEM

RASHMI S
1KS16EC072
85.13%



MEENAKSHI A
1KS16EC049
85%

VII SEM

HARSHITHA R
1KS15EC035
85.75%



JUNAID KHAN
1KS15EC037
85.75%

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.

ECE Magazines



Sri. Y Ramachandra Naidu
President



Sri. K Venkatesh Naidu
Secretary



Sri. D Rukmangada
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 the editorial team for bringing out the 5th edition of PRERANA"

- MANGAGEMENT



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

Technical competence and skill sets are the buzz words in the industry. It is with pride that I take note the Department of Electronics and Communication at KSIT has fully committed itself to imbibe these two qualities among the students who enter their department and leave the same after four years of learning, training and development. The department has successfully created an aura for its students for grooming themselves into professional with an edge to adapt and perform. The department has a conviction that students should have an overall development and hence promotes the Club activities. Professional bodies like IEEE and WIE are very active inculcating a spirit of participation in various activities. Ample opportunities are created for the students to learn beyond the syllabus through experiential learning. Students are encouraged to do projects, both minor and major, through which they try their hands in applying their learning. The wonderful efforts of staff and students are being showcased in their Newsletter -"PRERANA 5". I wish the dedicated staff and talented students of the department the very best in all their academic endeavours.



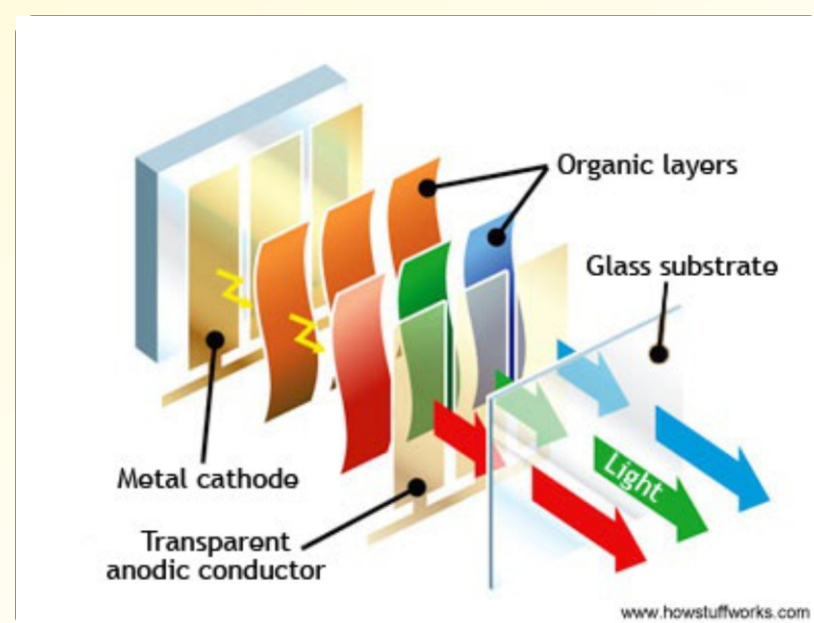
Dr. T. V. GOVINDARAJU
PRINCIPAL / DIRECTOR

Dear Staff and Students,
I congratulate Electronics and Communication Department editorial team on this pleasant occasion of releasing the Department Newsletter "PRERANA VOLUME -5" for the period April 2018 -June2019. This newsletter reflects on what we have achieved, learnt and are learning. 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 KSIT and the ECE Department name to greater heights. Our Motto should be, "If you Believe, you can Achieve". In light of this, I urge the students and staff to believe in themselves and strive towards achieving success in various walks of life. I encourage the staff to continue the excellent work in motivating our students. My best wishes to all.



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

It gives me immense pleasure and excitement to showcase the departmental activities through our news letter PRERANA-5 for the year 2018-19. 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 department magazine. KSIT is one of the pioneer institutes in providing technical education with ethical values. Main goal of our department is to provide overall development for our students through academic excellence, innovations and creativity. Our department has dedicated teaching and supporting staff to help our students to excel in their learning. 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 believe in the quote " Develop Passion for learning. If you do, you will never cease to grow". We ignite passion towards learning in our students.

LATEST TECHNOLOGY**ORGANIC LIGHT EMITTING DIODE**

An **organic light-emitting diode (OLED or Organic LED)**, also known as an **organic EL** (organic electroluminescent) diode, is a light emitting diode (LED) in which the emissive electroluminescent layer is a film of organic compound that emits light in response to an electric current. This organic layer is situated between two electrodes; typically, at least one of these electrodes is transparent. OLEDs are used to create digital displays in devices such as television screens, computer monitors, portable systems such as smartphones, handheld game consoles and PDAs. A major area of research is the development of white OLED devices for use in solid-state lighting applications.

There are two main families of OLED: those based on small molecules and those employing polymers. Adding mobile ions to an OLED creates a light-emitting electrochemical cell (LEC) which has a slightly different mode of operation. An OLED display can be driven with a passive-matrix (PMOLED) or active-matrix (AMOLED) control scheme. In the PMOLED scheme, each row (and line) in the display is controlled sequentially, one by one, whereas AMOLED control uses a thin-film transistor backplane to directly access and switch each individual pixel on or off, allowing for higher resolution and larger display sizes.

An OLED display works without a backlight because it emits visible light. Thus, it can display deep black levels and can be thinner and lighter than a liquid crystal display (LCD). In low ambient light conditions (such as a dark room), an OLED screen can achieve a higher contrast ratio than an LCD, regardless of whether the LCD uses cold cathode fluorescent lamps or an LED backlight.

DEPARTMENT WELCOMES

1. Ms. Bharghavi. A -Assistant Professorr
2. Ms. Shilpa.V -Assistant Professorr
3. Ms. Sindhu. S S -Assistant Professorr

100% RESULTS

100 % results in Odd 2018 Sem & Even 2019 Sem

- Mrs. P. Jalaja: Engg. Mathematics -IV
- Mr. Praveen.A: Computer Communication Networks
- Mrs. Pragati.P: Digital Switching Systems
- Dr. B.Sudharshan: Digital System Design using Verilog
- Dr. Sangappa.S.B: Wireless Communication (WC)
- Dr. B.Sudharshan: Digital Switching Systems (DSS)
- Mr. Saleem S Tevaramani: Network Security(NS)
- Dr. Sangappa.S.B: Wireless Communication (WC)
- Mr. Thrimurthy: Kannada/ Constitution of India Professional Ethics and Human Rights
- Mrs. Veda. B: Digital Electronics
- Mrs. Bhargavi A: Management and Entrepreneurship Development
- Dr. B.Sudharshan: Verilog HDL
- Mrs. Aruna Rao B.P: Verilog HDL
- Dr. B.Sudharshan: Operating System
- Mr. Saleem S Tevaramani: Satellite Communication
- Mrs.Sangeetha.V: Satellite Communication
- Mrs. Sahana Salagare: Radar Engineering
- Mrs. Jayasudha B.S.K: Machine learning
- Mrs. Bhargavi Ananth: Fiber Optics & Networks
- Mr. Saleem S Tevaramani: Radar Engineering
- Mr. Chowdappa M R: Engineering Mathematics –IV
- Mrs. Pragati. P: Signals and Systems

STUDENT ACHIEVEMENTS

STUDENT ACHIEVEMENTS

- Ritu P Simha has represented our college and has successfully secured 25th rank in Ultra marathon organized in Bangalore.
- Vishal Goutham. N has represented our college in National integration camp and presentation skills communication organized by Akshaya Patra foundation.
- Vaishnavi has represented our college in National level youth conclave organized by Youth for Seva in Bangalore.
- Vaishnavi Sriharshan and Sanjana.S has secured 1st prize in 4*100 mtrs relay competition organized by K.S.I.T, Bangalore.
- Kavya M has secured 3rd place in 4*100 mtrs relay competition organized by K.S.I.T, Bangalore.
- Sanjana S has secured 3rd prize in 100 mtrs running competition organized by K.S.I.T, Bangalore
- Varalakshmi has secured 1st prize in Shot put competition organized by K.S.I.T, Bangalore.
- Ritu p simha has participated in 10km Pinkathon organized in Bangalore.
- Vaishnavi Sriharshan has secured 3rd prize in 800mtrs running competition organized by K.S.I.T, Bangalore.
- Madhu G has secured 2nd prize in Mad-Ads during Ananya-2019 organised by K.S.I.T, Bangalore.



Sadvika Chandra, took part in the Republic Day parade 2019 at the State level



Girish K, has been awarded the Kreedaratna Award



Skanda N, received the ISTE Best Student Award

EVENTS CONDUCTED



The annual Valedictory function by the IEEE KSIT Student Branch was organized on **7th May 2018**. Shrikanth S Tangade, IEEE Bangalore Section, Co-Chair (SAC) and Branch Counselor, REVA University was the guest of honour.

Project exhibition for all the final year students was conducted on **10th of May 2018**. Our staff joined the chief guest Mr.Ganeshan Viswanathan, Viswa Jyothi Technologies Pvt Ltd. Bangaloreis viewing all their innovations put forth



On 22nd of July 2018 the IEEE members join hands to participate in the humanitariaj event at the Karnataka Anatha Makkala Abhivrudhi Samsthe, BSK 2nd stage, Bengaluru and spent quality time learning and teaching.

IEEE and WIE had organized Happiness program for faculties of KSIT which was conducted by **Mrs Vijayashree and Vanishree from ART OF Living Centre,Bengaluru**from **23rd July 2018 to 28th July**



On the **3rd of August 2018**, WIR had invited COL. Anshu Trivedi to share his experience with all the students and to motivate them in fulfilling their life's goals.



A warm welcoming to all the new students who joined the ECE branch of KSIT was conducted during the Induction Program on **11th of August 2018** by our HoD Dr. P N Sudha to set a great start in their 4 years of excellence in the department.



ARTF, Almost Ready to Fly, was the workshop conducted by GARUT aeromodelling club on **18th of August 2018**, where the participants were thought the basics of flight in various air carries by the renowned Smt. Saraswathi, Deputy General Manager (ret.), Aircraft Design Division, HAL.



A continuous lecture program was conducted by our professor Dr. Joy Prabhakaran from **21st of August to 19th of September 2018** on programming and logical skills.



The faculty with the IEEE KSIT Students Branch conducted the EXECOM Meeting on **1st Sep 2019** consisting of the 20 executive members of the Execom.



A 2-day workshop on Quadcopters was conducted by GARUTH Aeromodelling Club on the **1st and 2nd of September 2018**. This workshop was led by Mr. Shankarsan, Skyfi Labs.

SOCIAL WELFARE IN ASSOCIATION WITH NSS



NSS students of KS INSTITUTE OF TECHNOLOGY conducted program of saving our heritage (mandate territories) held at an Historical place Someshwara Temple of Manyapura (manne) village , Thyamagondlu hobli, Nelamangala Taluk ,Bengaluru Rural District. located near to Bengaluru on 26/08/2018

NSS CELL OF KSIT organised BLOOD DONATION CAMP on 14/03/2018 in association with LIONS CLUB ,BANGALORE. Around 378 units of blood is collected in the camp



NSS CELL OF KSIT in association with Karnataka forest department organized World Environment Day at Thurahalli forest on 05/06/2018 and planted seed balls in that area.



		Pragna B R	1KS15EC068
		Poojary Praveen	1KS15EC070
		Shwethashree	1KS15EC092
		Subramanya	1KS15EC097
		Skanda H N	1KS15EC094
		Shankar Ram	1KS15EC090
		Sannidhi Shetty	1KS15EC097
		Anurag R Reddy	1KS15EC009
		Mukul Venkatesh	1KS15EC055
		Arpitha N V	1KS15EC014
9	LTI	Alaka	1KS15EC005
		Harshitha Ramesh	1KS15EC035
		Pathipati Pavithra	1KS15EC061
		Smitha S karanth	1KS15EC095
10	Advent Global Solutions	Harshit Ramamurthy	1KS15EC033
		Swathi K S	1KS15EC101
		P Ankitha	1KS15EC060
		Varsha R	1KS15EC104
		Alaka	1KS15EC005
11	ABC'S CSR	Goutham R	1KS15EC029
		Suhail	1KS15EC108
12	Path Front	Goutham R	1KS15EC029
		Pavan S Patil	1KS15EC064
		Pooja M	1KS15EC066
13	Qspider Campus Connect	Shankar Ram	1KS15EC090
		Nagabhushan Bhat	1KS15EC056
		Pragathi Madhyastha K P	1KS15EC067
		Harshit Ramamurthy	1KS15EC033
		Sai Pranav S	1KS15EC080
14	6D Technologies	Rakshitha S	1KS15EC074
15	All Blue Infotech	Chaithra B	1KS15EC020

Nurture the Future-Empower the Adolescent Girls was an excellent initiative by Dr. Rithesh Reddy and team where they demonstrated self-defence for girls and a talk on empowerment and feminism on the **3rd of September 2018.**



On the **22nd of September 2018**, the first IEEE Student Branch meeting was conducted in by all the Execom members to convey the proceedings and take ideas from all the IEEE student branch members of KSIT.

An industrial visit was conducted for the 3rd semester students on the **26th of September and 28th of September** for the 5th semester students to the pristine National Aerospace Laboratories (NAL) accompanied by Mr. A Somanarayanan.



3rd of October 2018 marked IEEE day and was duly celebrated by the IEEE Student Branch. Poster Presentation was an event conducted for the day with the theme "Women as leader/ innovator" and Dr. Fathima Jabeen was the judge for the event.

IEEE day is also celebrated by creating platform to all the students to put forth their ideas by participating in the mini project exhibition. Dr. M J Shanti Prasad was called to judge the student's projects for the day.





Mr. Pramod Kumar Naik, Senior Application Engineer , CoreEL Technologies, Bangalore, made a guest lecture on machine learning and deep learning applications on the **5th of October 2018** organized by IETE.

AASARE the humanities event conducted by IEEE, conducted a visit to Jeevan Sandhya Ashram, Bangalore on the **11th October 2018** where the IEEE members spent quality time at the old age home.



On **2nd November 2018**, IETE with ISTE held a Technical Talk on Microwave Amplifiers and its research issues conducted by Dr.B.T.Venkatesh Murthy,Assistant Professor,ECE Dept,SIT Tumkur to all the students.

IEEE in association with NSS held a Dental health awareness program and a free screening camp by Parth Dental Clinic on the **3rd of November 2018** to all students of KSIT.



On the **19th and 20th of November 2018**, a 2-day workshop on Matlab Signal Processing Applications was conducted by IETE. The workshop was conducted by Mr. Pramod Kumar Naik, Senior Application Engineer, CoreEL Technologies, Bangalore.

Placement Details

Sl.no.	Name of the Employer	Name of the student placed	USN
1	Tech. Mahindra	Deepashree	1KS15EC020
2	Infosys	Suvijith Suresh	1KS15EC100
		Pragathi Madhyastha K P	1KS15EC067
		Abhishek S Gowda	1KS15EC001
		YashwiniDivakar	1KS15EC072
		Bhavana K M	1KS15EC017
		Kavya M	1KS15EC039
		Sanjana S	1KS15EC085
		Punith N	1KS15EC072
		Bhamini Rajanna	1KS15EC016
		Chaitra B	1KS15EC020
		Megha V	1KS15EC053
		Akshata shenoy udyavar	1KS15EC003
		Rashmi Srinivasan	1KS15EC077
		Udaykumar V	1KS15EC103
		Vishwas KK	1KS15EC105
Santhosh K	1KS15EC087		
Yashaswini Divakara	1KS15EC106		
3	L&T	Suvijith Suresh	1KS15EC100
		Pragathi Madhyastha K P	1KS15EC067
4	TCS	Kavya M	1KS15EC039
		Sanjana S	1KS15EC085
		Akshata shenoy udyavar	1KS15EC003
		Bindhu Kumar K T	1KS15EC019
5	Congnizant	Sanjana S	1KS15EC085
		Alekya Ragunath	1KS15EC006
		Chandana g	1KS15EC021
6	WIPRO	Ankita A Raikar	1KS15EC008
		Chandana g	1KS15EC021
		Junaid Khan	1KS15EC037
		Nanda S	1KS15EC059
7	Unisys	Dhruthi Sridhar	1KS15EC025
		Bhumika R	1KS15EC018
		Archana K N	1KS15EC011
8	NTT DATA	Swathi K S	1KS15EC101
		Muneeb Fayaz	1KS15EC107
		Sathwik Jain B N	1KS15EC089
		Nagabhushan Bhat	1KS15EC056

BOOK CHAPTERS

INTERNATIONAL CONFERENCE PUBLICATIONS

- N Rekha, Fathima Jabeen "noise detection and elimination by using analytical approach", Springer International publishing AG, part of springer nature 2019
- Ms. Sahana Salagare, Dr. P N Sudha, Karthik P "survey on energy harvesting system for underwater devices", International conference on applied engineering sciences and management.
- B.Ventaka Kranthi, Dr. Surekha Borra, " Real time facial recognition using deep learning and local binary patterns., springer nature Singapore pte ltd 2019.

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 Kaaenaat, Imprimed, DARE, Bosch LTD, BSNL, RTTC Mysore, BHEL, RVHM, Schneider electric.



The **Department of Electronics and Communication** was awarded the **Championship** during sports day 2019

FDP/WORKSHOP ATTENDED BY FACULTY

- Ms. Surekha Borra Professor has attended two days' workshop on "Project Management" held on 25th and 26th April 2018 at Karnataka Science and Technology Academy (KSTA) Bengaluru.
- Mr. Sampath H Kumar, Assistant Professor has attended MSRIT Workshop on "First year Syllabus" held on 14th may 2018 at MSRIT Bengaluru.
- Ms. Jayasudha BSK, Assistant Professor has attended 5 days FDP on "Biomedical Signal Processing" held on 11th June to 15th June 2018 at BNMIT Bengaluru.
- Ms. V Sangeetha, Assistant Professor has attended 1 Week FDP on "Emerging Technologies in short range wireless communication" held on 2nd July to 6th July 2018 at RVCE, Bengaluru.
- Ms. SahanaSalagare, Assistant Professor has attended 2 days on "National Symposium 2018 on IOT trends and opportunities" held on 4th and 5th July 2018 at JSSATE, Bengaluru.
- Ms. Jayasudha BSK, Assistant Professor and Ms. Veda B, Assistant Professor have attended 1 day Workshop on "Role of rankings, ratings and accreditation in creating institution of eminence and excellence" held on 21st July 2018 at PES University, Bengaluru.
- Ms. Pragathi P, Assistant Professor has attended 3 days FDP on "AI and Machine Learning by FAER" held on 26th to 27th July 2018 at MSIRT, Bengaluru.
- Mr. Praveen A, Assistant Professor and Ms. Aruna Rao, Assistant Professor have attended seminar on "Mentor graphics forum" held on 27th July 2018 at Leela Palace, Bengaluru.
- Dr. P N Sudha, Professor has attended Workshop on "New Model Curriculum for PG course CBCS detailed syllabus as per outcome-based education" held on 6th August 2018 at VTU at BNMIT.
- Dr. P N Sudha, Professor has attended Program on "ITC Technology First" held on 5th and 6th September 2018 at VTU at NIMHANS convention centre Bengaluru.
- Dr. Surekha B, Professor and Ms. R. Nityakumari, Assistant Professor have attended Two-day workshop on "MATLAB for signal Processing Applications" held on 19th-20th November 2018 at KSIT, Bengaluru.
- Ms. Jayasudha BSK, Assistant Professor and Ms. Laxmi HR, Assistant Professor have attended Two-day workshop on "MATLAB for signal Processing Applications" held on 19th-20th November 2018 at KSIT, Bengaluru.
- Dr. P N Sudha, Professor has attended convention on "Bites Annual Convention" held on 23rd and 24th of November 2018 at BMS college of Engineering, Bengaluru.
- Ms. R. Nityakumari, Assistant Professor has attended one day seminar on "Developing and Deploying Deep learning applications using MATLAB" held on 28th November 2018 at MathWorks, Lnc. Hotel Conrad, Bengaluru.
- Ms. Jayasudha BSK, Assistant Professor has attended one day seminar on "Developing and Deploying Deep learning applications using MATLAB" held on 28th November 2018 at MathWorks, Lnc. Hotel Conrad, Bengaluru.
- Dr. Surekha B, Professor has attended Five-day FDP on "Machine learning tools and Techniques" held on 17th to 21st December 2018 at, JSSATE Bengaluru.
- Dr. P N Sudha, Professor has attended one day workshop on "New approach to AAA of NAAC" held on 4th January 2019 held at Global Academy of technology, Bengaluru.
- Dr. P N Sudha, Professor, Dr. Surekha Borra, Professor, Ms. SahanaSalagare, Assistant Professor, Ms. Jayasudha BSK, Assistant Professor, Ms. R. Nityakumari, Assistant Professor, Ms. V Sangeetha, Assistant Professor, Ms. Bhargavi Ananth, Assistant Professor, Mr. Saleem Tevarmani, Assistant Professor and Ms. Laxmi H R, Assistant Professor have attended 3-day workshop on "New approach to AAA of NAAC" held on 4th January 2019 held at KSSCEM, Bengaluru.
- Dr. Surekha Borra, Professor has attended 5-day FDP on "Machine learning for IOT Applications" held on 28th January to 1st February 2019 held at BMSE, Bengaluru.

FACULTY ACHIVEMENTS:

- Dr. P.N Sudha, Prof and HOD Attended a "VTU workshop on new model curriculum by VTU" conducted on 6th Aug 2018 at BNMIT Bangalore.
- Mrs. Jayasudha BSK Asst. Prof Participated in an event AISWYWC 18 conducted on 28th September 2018 to 30th September 2018 at Vidya Vikas Institute Engineering Mysore.
- Dr. Joy Prabhakaran was an "LIC Inspection Committee Member" in the LIC Inspection conducted by VNEC, Shorapur on 29th Nov 2018 and by PDA, Gulbarga on 30th Nov 2018.
- Dr. P.N Sudha, Prof and HOD was a Co- Ordinator for the event AASARE-5K Conducted by KSIT, Bangalore on 1st March 2019.
- Ms. Laxmi H.R Asst. Prof is Awarded with an "Young Scientist Award" in the event Women Achievers Award Conducted by NFED, Chennai on March 2019.

FUNDED PROJECTS

- Mr. Sampath Kumar S has received a fund of 8000/- for the project entitled "Artificial intelligence based solar vehicle" by Karnataka State Council for Science and Technology (KSCST).
- Ms. Lakshmi H R has received a fund of 5000/- for the project entitled "Biomorphic hyper redundant robot for disaster surveillance" by VTU Financial Assistance for Innovative Projects of Final Year Under Graduate Students.
- Dr. Surekha Borra has received a fund of 5000/- for the project entitled "Design of An Economic and Portable Continuous Ambulatory Peritoneal Dialysis (CAPD) Assistive Device" by VTU Financial Assistance for Innovative Projects of Final Year Under Graduate Students.

PUBLICATIONS

BOOKS

- Dr. Surekha Borra, Rohit Thanki, Nilanjan Dey, "Satellite Image Analysis: Clustering and Classification", Series: SpringerBriefs in Applied Sciences and Technology, Springer, 2019, [ISBN: 978-981-13-6424-2] [ISSN: 2191-530X] Scopus Indexed
- Dr. Surekha Borra, Rohit Thanki, Nilanjan Dey, "Digital Image Watermarking: Theoretical and Computational Advances", Series: Intelligent Signal Processing and Data Analysis, CRC Press, Taylor & Francis Group, 2018 [ISBN 9781138390638]
- Mr. P. Joy Prabhakaran "novel techniques for multi-resolution imaging" LAMBERT academic publishing ISBN-13:978-613-9-46002-1, ISBN-10:6139460026, EAN:978613946002

EDITED BOOKS

- Aboul Ella Hassanien, Nilanjan Dey, Dr. Surekha Borra, "Medical Big Data and Internet of Medical Things: Advances, Challenges, and Applications", CRC Press, Taylor & Francis, 2018, ISBN: 9781138492479
- Nilanjan Dey, Dr. Surekha Borra, Amira S. Ashour, Fuqian Shi, "Machine Learning in Bio-signal Analysis and Diagnostic Imaging", Elsevier, Netherlands, 2018, ISBN: 9780128160879

BOOK CHAPTERS

- Rohit Thanki, Dr. Surekha Borra, and Deven Trivedi. "Security of Biometric and Biomedical Images Using Sparse Domain Based Watermarking Technique, Handbook of Multimedia Information Security: Techniques and Applications, pp 209-232, 2019. [ISBN: 978-3-030-15887-3]
- Rohit Thanki, Dr. Surekha Borra, "Application of Machine Learning Algorithms for Classification and Security of Diagnostic Images", Machine Learning in Bio-Signal Analysis and Diagnostic Imaging, Chapter 11, Academic Press, Elsevier Ltd., pp.273-292, 2018. [ISBN 978-0-12-816086-2]
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