SaIT Elite Half-Yearly Newsletter

MESSAGE FROM THE CHAIRMAN

Dr. V. Nagaraj

The pressure of competition is persistently increasing with the overall changes in the education sector. The path towards privatization, liberalization and globalization across the world accredited educational institutions recognize the need for alternatives of different dimensions. Not a day passes without policy makers calling for a dramatic expansion of our university system, to meet the aspirations of a rapidly growing population of young Indians. The need for expansions in widely recognized and accepted.

In recent years, several new schemes have been introduced to attract and support young teachers and researchers who choose to explore career opportunities in academic institutions.

This newsletter throw light on the nature of different skills and methodologies in research and development that all the readers of professional background/courses need to improve in order to become successful in their prospective professional carrier. I am sure this effort will go a long way in providing the readers, a quick awareness in their specialized area.

MESSAGE FROM THE PRINCIPAL

Dr. H. G. Chandrakanth

SaIT Elite, is a knowledge platform representing the varied creativity of students & staff of the academic institution. It's my pleasure to congratulate all the students & faculty members who have made this newsletter possible. In this context, it is quite be fitting that the newsletter for an engineering institution is brought out to spread the news about the department activities in the college. I hereby congratulate the educational board and all the team members for leading the task & wish them an enchanting experience in many ways.

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The human foot is a masterpiece of engineering and a work of art-Leonardo da Vinci

MESSAGE FROM THE CHIEF EDITOR

Dr. Latha P. H

It gives me immense pleasure to welcome you all to the twelfth Issue of SaIT Elite News. It is my expectation that SaIT Elite newsletter will give our young students & staff and academic voice and a venue for discourse that will move us forward intellectually. Ultimately, any academic endeavor must begin and end with the interests of our Learners in mind. I believe SaIT news will play an important role in improving the reader's knowledge and skill.

Initial thanks go to Chairman Dr. V. Nagaraj for providing the opportunity to make the twelfth issue a great start and the reality. I thank all the Head of the Various Dept. who took initiative to make this a successfulone.

I thank The Principal, who helped to ensure that the goal of creating and publishing the first issue would be realized. We sincerely hope that members of Editorial Board shall take full advantage of this service and also the encouraged to publish the Department activities and developments in the SaIT Elite News.

EDITORIAL BOARD MEMBERS

1) **Mrs. Indi Jayashree M, Chief Co-ordinator, Dept. of ISE**
2) **Mrs.Yoganandini, Assistant Professor, Dept. of ECE**
3) **Mrs. Mallamma C G, Assistant Professor, Dept. of CSE**
4) **Dr. Mallikarjun U B, Professor, Dept. of Civil Engg.**
5) **Mr. M V Chakrapani, Associate Professor, Dept. of Mechanical Engg.**
6) **Dr. M T Swamy, HOD, Dept. of Basic Science**
7) **Mrs. Rashmi Rajiv, Head-Training and Placement, Central Placement Cell**

College Ranking

Careers360 - AAA Rating

Careers360 - AA+ Rating

Business India - A+ Rating

T School - 35th Rank

The Week - 56th Rank (South Zone)

The Week - 84th Rank (All India)

Outlook - 94th Rank

Sambhram Group

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science and Engineering (CSE) has grown exponentially over the last many years, evolving to meet demands of the 21st century. The program gives the students a firm footing into the intricacies of its technology such as circuits, design, structures language, processors, operating systems, database management, simulation and modeling. The engineers of computer science find themselves at a very advantageous position in their carrier field and an entrepreneur.

Faculty awarded/registered for PhD:

1) Prof. Vani B, Prof. Srinivas B V, Prof. Akram Pasha, Prof. Sunitha Basalingayya and Prof. Usha T, Pursuing PhD from Computer Science and Engineering Research Centre.

2) Prof. Vani. B has completed her Comprehensive viva in CSE Research Center on 28th February 2020.

Reserch paper publications:

1) Prof. Srinivas B V has published paper on **"Chiwhale optimization Algorithm for the VM migration in cloud computing platform",** Springer-Verlog GmbH, ISSN 1864-02 April 2020.

Papers published by faculties:

1) Mr.Utsav Shresta, Dr.T.John Peter, Ms. Shital Manandhar, Mr.Sujit Rajbanshi, & Mr. Sandeep Padal has Published paper in International Journal of Engineering Science and Computing Research Article titled "**System Design for Identification of Planet Leaf Diseases using Deep Learning for Web and Mobile Platform"** volume 10 issue 5 ISSN 2321 3361 on February 2020.

2) Mr. Kanishk Barhanpurkar, Dr.T.John Peter, Mr. Piyush Bhatia, Mr. Saurav Raj, & Ms.Aditi Guleria has Published paper in International Journal of Engineering Science and Computing Research Article titled "**Comparative Study of Sentimental Analysis for Climate Change using Machine Learning Techniques"** volume 10 issue 5 ISSN 2321 3361 on February 2020.

3) Prof. Vani. B has Published paper in "International Journal on Scientific Research & Development titled **"An Improved optimization approach for Homogeneous &heterogeneous hierarchical clustering in WSN"** Volume 7, Issue 12 on February 2020.

FDP/Workshop/Conference attended by Faculties/Students:

1) Prof. Srikanth S P, attended one day online Webinar on **"Intellectual Property Rights Patent Filing procedure"** conducted by KLE IT,Hubli on 9th June 2020.

2) Prof. Srikanth S P attended one-day online Webinar on "Eagile Teaching_Learning Methods Mapping the in Scenarios" conducted by IQAC on 6th June 2020.

3) Prof. Srikanth S P, attended Three-days online Webinar on **"Combatting Covid-19 Pandemic with AI & Robotics"** conducted by JSS Academy of Technical Education, Noida on 8th -10th June 2020.

4) Prof. Srikanth S P, attended one-day Quiz Program on **"Holistic Health & Yoga e-Quiz-2020"** conducted by Haveri District Yogasana sports accociation on 18th June 2020.

5) Prof. Srikanth S P attended one day online Webinar on "Block Chain Technology" conducted by SGBIT,Belgaum on 9th May 2020.

6) Prof. Srikanth S P attended Quiz on "Covid-19 Awareness Quiz" conducted by MSRIT,Bengalore, on 24th April 2020.

7) Prof. Mallamma C G, has Attended one day workshop on "E Waste management" conducted by Sambhram Institute of Tech,Bangalore on 3rd July 2020.

8) Prof. Mallamma C G, has attended Webinar on "World tobacco day" on 30/5/2020, Resource person Dr.Punith shetty, medical officer, ICS, Bangalore.

9) Prof. Mallamma C G, has Attended one day Webinar on "Machine Learning" conducted by KLS,Gogte Institute of Tech,Belagavi on 27th June 2020.

10) Prof. Mallamma C G,Prof. Earanna & Prof . Anitha K are attended one day virtual FDP on "Current Trends & Techniques in AI" conducted Jnana Jyothi Degree College Yelhanka, Bangalore on 28th June 2020.

11) Prof. Mallamma C G,Prof. Anuradha U & Asha M L, are Attended one day Webinar on "Work from HomeEmployee/Employer Perspective & Future Technologies" conducted by Sambhram Institute of Technology, Bangalore from 11th -12th May 2020.

12) Prof. Vani B, Prof. Mallamma C G, Prof. Srikanth S P, Prof. Sunitha B, Prof. Raghav M S, Prof. Anuradha U and Prof. Bilwashree, are attended 2 days FDP on "Research Database Management & Software Tools" by Dr. C S Ramesh conducted by ECE Department on 7th & 8th February 2020 at Sambhram Institute of Technology.

13) All the Faculties of CSE department have attended Motivational Talk on "Carrier Opportunities in Indian Air Force" on 28th February 2020, Resource persons from Indian Air Force, Warrant Commander Mr. Lt. Ajitha Kumar Singh Rathod, Aeronautical Engineer, Electronic training institute air force station Jahalli East and his group members.

14) All the faculties of CSE department attended 3 days of FDP on **"Microcontroller and Embedded Systems-ARM7TDMI/LPC2148"** by Prof. Harish V Mekali conducted by ECE Department from 3rd - 5th February 2020 at Sambhram Institute of Technology.

15) Prof. Earanna has Attended one day FDP on **"Exemplary practices in Teaching-Learning & Evaluation of course in CS&IT"** conducted by VTU Centre for PG Studies, Kalburagi & Indian Institute of Information Technology, Allahabad, on 3rd July 2020.

16) Prof. Vidyashree N S has Participated online Quiz on **"Internet of Things"** conducted by Shaik college of engineering & Technology,Belagavi.

17) Prof. Vidyashree N S has Participated Online Quiz on **"C Programming"** conducted by Vidyavardhaka college of Engineering on 22nd June 2020.

18) Prof. Vidyashree N S has Attended workshop on **"E Waste management"** conducted by Sambhram Institute of Tech,Bangalore on 3rd July 2020.

19) Prof. Vidyashree N S has Attended five days' workshop on **"Modern trends in IOT"** conducted by REVA Unversity,Bangalore from 6th -10th July 2020.

20) Prof. Vidyashree N S has Attended one-day workshop on **"Big Data architure &Eco system"** conducted by East point college of engineering and Tech, Bangalore on 11th July 2020.

21) Ms.Jinkal S Santhara attended 15 day workshop on **" Cross Platform Mobile App Development"** conducted by Microsoft at Sambhram Institute Of Technology on 29th February 2020 and earned a badge from Microsoft.

22) Ms.Jinkal S Santhara attended a webinar on "Enhancing Employability Skill set on Data structures and algorithms" held on 30th July 2020 conducted by SJB Institute Of Technology.

23) Ms.Jinkal S Santhara attended a online quiz series on**" Computer applications(Data structures and algorithms)"** conducted by SJB Institute Of Technology.

24) Ms.Jinkal S Santhara attended a workshop on "Make it or break it" on 30th July 2020 conducted by ISKCON.

25) Ms.Jinkal S Santhara attended international E-workshop on **"Angular JS to web Apps Faster"** on 26th June 2020 conducted by Acharya Institute of technology associated with NYCI & Brain vision Solutions India Pvt Ltd.

26) Mr. Pranup Chhetri attended a webinar on **"Angular js"** conducted by Brain vision Solutions pvt. ltd. in collaboration with Acharya Institute of Technology on 26th June 2020.

27) Mr. Kaushik Das attended a webinar on**" Angular js"** to web app faster conducted by NYCI &Brainovision Solutions pvt. ltd. in collaboration with Acharya Institute of Technology on 26th June 2020.

28) Ms.Likitha k, has completed course on **"visual studio 2017" & "Tech Quiz on Operating System"** organized by Jain on 18 July 2020.

29) Ms.Likitha k has participated on **"Tech Quiz on C++" & "Tech Quiz on Data structure"** organized by Jain university on 18 July 2020, **"Angular js to Web apps faster"** organized by Dept. Of CSE in association with NYCI N Brainovision Solutions Pvt Ltd. on 26 June 2020.

30) Mr. Dhanush D Ghatge, Ms. Divya Bharti, Mr. Jayant Sharma, Mr. Golam Rabbani attended webinar on **"Angular JS to web Apps Faste**r" conducted by BrainoVision(Acharya Institute of Technology) on 26th June 2020.

31) Ms. Bhavani R & Ms. Anishma A.S, Mr. Deepak V are attended webinar on "**How to build a website**" organized by Skill Safari Learning centre on 22nd July 2020.

32) Mr. Grace George, has participated in the webinar on "**Sustainable development& Biodiversity"** conducted by KSPCB &PIES on 26th June 2020.

33) Ms. Poornima Hegde attended Online quiz on **"System Modeling and Simulation"** conducted by Department of computer Science and Engineering, Vivekananda Institute of Technology, Bangalore-74 on 16th June 2020.

34) Mr. Natesh. B Participated in National Level TECH Quiz on **"OPERATING SYSTEM"** conducted by JAIN(deemed-to-be-university) on 18th july 2020.

35) Mr. Natesh. B Certified in **"Cyber Security and Ethical Hacking Workshop"** conducted by TIE (Take it easy engineering) from 30th -2nd june 2020.

36) Mr. Sagar D Chitragar **has** attended one-day workshop on **"learn how to build a website in 2 hours"** conducted by skill safari on 22nd July 2020.

37) Mr.Sagar D Chitragar Attended one day workshop on **"Mentel healthcare of students"** conducted by NIMHANS Bengaluru on 18th july 2020.

38) Mr.Pravesh Sah has attended one day workshop on **"Articial intelligence and machine learning"** Organizer by Shree Devi institute of Technology, Mangalore on 27th July 2020.

Workshop/Tech talk/Seminar programs Conducted:

1) The ISTE students branch SaIT has organized National level seminar on "**Build Carrier on Devopps, ML, AI, Technologies**" by Mr.Deepak Mishra from **Redhat** for 4th & 6th semester students on 24th February 2020.

2) Started Value added course classes for 4th semester students from 29th February 2020.

3) Conducted Four days workshop on **"Cross Platform Mobile Applications"** by Mr.Nikhil from Microsoft-ATS Infotech Ltd.,for 4th semester students.

Events:

1) Celebrated "National Science Day" on 3rd March 2020 and conducted many technical events for all students in CSE department & children from various schools have participated and exhibited latest science projects. Dr.T John Peter, HOD,CSE, has distributed prizes for the winners.

2) CSE department Celebrated "**International Women's Day**" on 8th March 2020.

3) CSE Faculties & students have performed an activity about pandemic situation, to create awareness to public about safety measures during lockdown.

Industrial visit by students:

1) Students of CSE with a faculty member visited C V Raman Research Centre for open day celebrations on the occasion of Science day on 29th February 2020.

Achievements of students in Extra-curricular activities:

1) Uday Kumar V of 5th sem have got first prize in Debate Competition held by B.E.L

2) Vidyashree A of 5th sem have got second prize in Essay Writing Competition held by B.E.L.

3) Following CSE students have participated in different events conducted by ECE department under IEEE student's chapter and won following prizes.
   a. In Hackathon, 1st place won by Shreevatsa G Hegde and Yogesh H.K. 2nd place won by Rakshith Gowda G and Raghav S
   b. In Tech Hunt, 1st place won by Sagar Dixit, Sanju Kumar and Subratho Maji.
   c. In Innovative ideas, 1st place won by Shreevatsa G Hegde and Yogesh H.K
   d. In Blind coding 1st place won by Shreevatsa G Hegde &2nd place by Deepak Chaurasia.

4) CSE Students Arpita M Kulkarni,Harshith, Shashank H P & Sindhoor won 1st prize with cash amount 0f **10k** in "**Music Masti**" conducted by Gitam school of Technology, Bangaloreon 7th March 2020.

5) Ashish Kumar & Sumith Subedi of 6th sem have cleared InfiTQ exam conducted by Infosys.

6) 10 Batches from 4th & 6th semester have cleared first round of TEC Quiz.

7) Nishanth Vaidya & Mohith Kandu of 8th semester have won 3rd place in "Hackathon 2020" conducted by Amdocs, Bangalore.

8) Mr. Rishav Kumar & Mr. Naveen B N from 5th sem are Certified in JavaScript by Microsoft through CPMA. Exam cleared on 05/10/2020

9) Following CSE students have participated in different events conducted by CSE department under IEEE student's chapter on the occasion of National Science day and won many prizes.

a. In Startup Idea competition, 1st place won by Md.Tarique Hussain and Hemalatha S.

b. In Blind coding 1st place won by Shreevatsa G Hegde &2nd place by Deepak Chaurasia.

c. In Technical Quiz, 1st place won by Aadersh Mishra.

d. In Tech Review, 1st place won by Aadersh Mishra.

e. In Techsharad, 1st place won by Aadersh Mishra and Dheeraj Chaurasia.

Students project proposal approved for sponsorship by KSCST:

1) The Project "**Multi Classification of Brain Tumor Images Using Deep Neural Networks**" Under the guidance of Prof. Vani B.

Placements details:

1) **Top Recruiters:**
   Infosys, Mind tree, Cognizant, Tech Mahindra, Netty Fish, Amazon, EVOSYS, TCS, Wipro, IBM, Sonata Software, No Broker, Sasken, Denave India Pvt. Ltd.

2) **Number of Students placed:**
   A proud moment of CSE students who got placed in the below mentioned companies:
   - Amazon, 1 student is placed, 4 LPA.
   - Denave India Pvt. Ltd., 1 students is placed, 5 LPA
   - Cognizant, 2 student is placed, 4.0 LPA
   - Wipro, 1 student is placed, 3.5 LPA
   - Sonata, 1 student is placed, 3.5 LPA
   - Sonata, 1 student is placed, 3.5 LPA.
   - No Broker, 1 student is placed, 4.8 LPA.
   - Feenixtech, 24 student is placed, 3.5 LPA.
   - Joulestow, 8 student is placed, 3.5 LPA.
   - Hudl, 21 student is placed, 3.0 LPA.
   - Sasken, 2 student is placed, 3.7 LPA.
   - SmartBrain, 21 student is placed, 2.9 LPA.
   - Altorum, 2 student is placed, 3.0 LPA.
   - Pentagon, 4 student is placed, 2.5 LPA.
   - ACE Tech., 2 student is placed, 2.5 LPA.

3) **Highest package:**
   - 5.0 LPA from Denave India Pvt.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Acheievements:

1) Dr. Ravishankar.C.V elected as a Vice-chairman IETE Bangaluru Section for 2020-22.

PhD Registered:

1) Prof-Yoganandini.A.P(Comprehensive Viva Finished).

2) Prof Siddamal Karabasappa (pre-comprehensive Viva Finished).

3) Prof.- Trupti (completed course work)

4) Prof.-Sowndeswari (Waiting for course work results)

5) Prof.-Manjula.G.Hegde (Waiting for course work results)

6). Prof.- Shilpa.C (Waiting for course work results)

Conference/Journals/ FDP Presented/attended/Published/ conducted:

1) Prof- Yoganandini-A modified particle swarm optimization (PSO) algorithm to enhance MPPT in the PV array. IJECE (Scopus indexed) vol. 10, no. 5, pp5001-5008ISSN:2088-8708,DOI 10.11591/ijece.v10i5

Webinars/Tech Talk/Seminar conducted:

1) Conducted Webinar series.

   Co-ordinators: Dr. C.V .Ravishankar.

   Supported by Dr. Ezilarasan, and Prof. Anupama.

   i). Series-1 from 11/5/2020 to 22/5/2020.

   ii). Series-2 from 23/5/2020 to 2/6/2020.

   iii)Series-3 from 8/6/2020 to 11/6/2020.

2) Dr. C.V.Ravishankar.C.V. Delivered a talk at GIC virtual Conference on 01-05-2020 on the topic "Global Threats and security issues due to corona lockdown for work from home employees to software companies and other related industries".

3) Dr. Ravishankar.C.V. Delivered a technical talk as a resource person in the webinar series of online classes for 8th semester CSE & ISE students of CIT –Gubbi, on the subject Internet of things technologies 15CS81, Module3, on 30-04-2020.

4) Dr. Ravishankar.C.V. Delivered a Web technical talk as a resource person in the IEEE- Bangalore section Gurukul series for students from 25th May-15th June, 2020.

5) Conducted Webinar on "World tobacco day" on 30th May 2020. Resource person: Dr.Punith shetty, medical officer, ICS, Bangalore.

6) Conducted FDP on "Microcontroller and Embedded system-ARM7TDMI / LPC2148", from 3rd to 5th February 2020. Resource persons: Prof. Harish V Mekali, Assistant Professor, BMSCE.

7) Conducted two days FDP on "Database Management and Research tools", from 7th February 2020 to 8th February 2020. Resource persons: Trivedi Dr.Rangaswamy and Dr. Ezilarasan.

8) Conducted Talk on "Artificial Intelligence the Myths, Realities and Opportunities" Resource person: Mr. Anand Tamboli an entrepreneur, Australia.

9) Conducted Motivational Talk on "Carrier Opportunities in Indian Air Force" on 28th February 2020. Resource persons: Mr. Lt.Ajitha umar Singh Rathod, Aeronautical Engineer, Electronic training institute airforce station Jahalli East and his group members.

10) Arranged Talk on "Foreign higher education", held on 28th February 2020.

11) Conducted National Science Day celebrations on 6th March 2020. Different programs conducted for various schools, distributd prize for the winners.

12) Conducted Inernational Women's Day Celebrations on 9th March 2020.Chief guests:Dr. Srilakshmi HOD Civil Dept and Dr. Latha.P.S. HOD ISE Dept.

Students Participation and Acheivements:

1) Anveshna Project Competition 2019-2020 (25th February 2020 to 27th February 2020)

   The following groups were selected for Anveshana project competition.

   Group 1:" **WSN Based Intelligent Control system for Sericulture"** by Shashank.S and group under the guidance of Prof Yoganandini.A.P.

   Group 2: "**SpideyRrobo- Pooh Honey Extractor "**by Varun and group Under the guidance of prof Sowndeswari **got IIIrd prize.**

2) Students attended Debate-2020 at Rotary club of Bengaluru on 16th February 2020.

3) Students attended NUMERO YONO SBI quiz on 22nd February 2020.

4) Students attended TCS Tech bytes competition on 17th February 2020.

5) Students attended C.V. Raman Research center for open day celebrations on ocation of sciene day.

6) The faculties and Students attended **IETE Bangaluru's Students day** on 15th February 2020. Co-ordinators of the event: Dr.C.V.Ravishakar HOD, ECE Dept., SaIT.

7) The faculties and students attended Virtual celebration of world Telecommunication and Information Day on 17th May 2020 at 2.45PM conducted at IETE, Bengaluru.

KSCST Activities:

1) **"Spidey ROBOT Pool Honey Extractor** "by Varun M and group under the guidance of Prof. Sowndeswari. 2**." Voice Assisted Text reading smart specs for visually impaired person"** by Chitranjali Tanwar and group under the guidance of Dr. Veena C S.

IEEE Activities:

IEEE Bangalore Section Humanitarian Technology Project Funding 2020

Projects selected:

1) "Intelligent COMBAT ROBOT for war fields and Military operations" by Mahima and group under the guidance of Dr. Rangaswamy.

2) "Two wheeler Self Balance Security system design based on MSP430F5529" by Srikanth and group under the guidance of Dr. Ezilarasan.

3) "Smart self-dispersing bin to segregate trash", by N.Laxmisowmya and group under the guidance of Dr.Veena.C.S.

4) IEEE student Branch Chapter –SaIT has organized the Technical seminar on **"Artificial Intelligence the Myths, Realities and Opportunities"** on 13th February 2020. Resource person: Mr. Anand Tamboli.

5) The IEEE students branch SaIT has organized a seminar on the "**Career Opportunities in Semiconductor Industry**". Resource person: Varun Kumar Reddy Merugu, Managing director of QSOCS Pvt Ltd and Team.

ISTE Activities:

1) The ISTE students branch SaIT has organized seminar on the "**Career Opportunities in Air force**" in order to have awareness about to how to apply, when to apply, what all benefits are there in air force and in which sectors of air force engineers are required. Resource persons from Air force officers, East division Bengaluru.

2) ISTE student Branch Chapter –SaIT has organized three days FDP on "Microcontroller and Embedded systems-ARM7TDMI/LPC2148" in the college premises. Speaker: Prof. Harish V Mekali, Assistant Professor, BMSIT, Bengaluru and Mr. Raghavendra from Advanced Electronic Systems Bangalore.

Students Placement:

1) Vivek.A placed in **Hudl india pvt Ltd.** company for 3 LPA.

2) Phanindra.D placed in **Hudl india pvt Ltd**. Company for 3.2 LPA.

3) Shashank.S placed in **Smart Brain** for 3.2 LPA.

4) Dimple Singh placed in **Hudl india pvt Ltd.** company for 3.2 LPA.

Industrial Visits:

AirForce-ETI (Electronics training Institute) Visit on 15th February 2020 with 5th sem students along with Dr. Rangaswam, Dr. Ezilarasan ,Prof Sowndeswari.S, and Prof Yoganandini .A.P.

Webinars Attended by the HOD, Faculties and their Acheivements :

Dr. Ravishankar.C.V.

1) Attended AICTE -5 Days FDP Si-UHV online workshops by SWRO-AICTE from 20-06-2020 to 24-06-2020.

2) Attended UK India Education and Research Initiative, British Council Division, British High Commission organized UKIERI SPARK Webinar on "Artificial Intelligence and Machine Learning" on Friday, 26 June 2020.

3) Attended Five Days Hands on Workshop on "Patent Searching, Drafting & Filing (Online mode) from 29-05-2020 to 02-06-2020 conducted by Turnip Innovations and Exilyze Intellectual Services, IEEE COMPUTER SOCIETY & COMPUTER SOCIETY OF INDIA.

4) Attended Two Days International ISMG Virtual Cyber Security Conference from 27-28th July 2020.

5) Attended 5 Days National Level e-Conference on National Examinations Transformations-2020(NEXT-2020) organized by Council of Examiners-India, Skill Slate, Pune & MIT word Peace University.

6) Attended Two days national Level Webinar on "Raise performance level many notches up in NAAC accreditation" between 24-25th July 2020 organized by Stemvogel Consultancy Pvt.Ltd.& Aggarwal Education Solutions.

7) Coordinated Oracle –Raspberri Pi Language Project by providing 15 students from ECE, CSE & ISE branch and One faculty from ECE branch, successfully completed the Project.

Dr. Rangaswamy C

1) Participated in E-Quiz on Teaching Pedagogy, ECE Dept, ATME College, Mysore, 30th July 2020

2) Participated in Online Certification Course on Digital Image Processing, NPTEL.

3) Jury Member for BITES-XCELERATOR student project award 2020.

4) Attended the Webinar on "PATENT TIPS & TRICKS", 4th July 2020, Sir MVIT, Bangalore.

Dr.Ezhilarasan K.

1) Attended Webinar on Personal finance for Faculties in Engineering Colleges on 4th June 2020, New Horizon College of Engineering.

2) Attended Webinar on Advances in Medical Image Processing on 5th June 2020, Narasimha Reddy Engg College, Hyderabad.

3) Participated in 6th International Conference on Electronics, Computing & Communication Technologies, 2nd to 4th July 2020, IEEE Connect, GITAM University.

4) Attended Webinar on Post COVID-19, Role of Science and Technology towards a Self-Reliant India, IEEE India council, 19th May 2020.

5) Attended Webinar on "Power for CMOS VLSI Circuits", IEEE –CAS, 20th June 2020.

6) Given Subject Talk on Digital System Design using Verilog towards GURUKUL series IEEE Bangalore, 25th May to 13th June 2020.

7) Reviewed IEEE conference Paper on "IEEE TENSYMP 2020, IEEE Bangalore, 5th to 7th July 2020, Bangladesh.

8) Participated in Leadership Talk on 13th June 2020, MHRD Innovation Cell, Government of India.

Prof. S. Sowndeswari

1) Attended Webinar on "successful NAAC Accreditation with Grade" on 22nd July 2020 organized by "Oxford College of Engineering.

2) Jury member of BITES-Xcelerator student project 2020.

3) Attended Webinar on Satellite and Automation from 11th -13th May 2020 organized by JSSIT, Mysore.

Prof. Kumbhar Trupti

1) Attended BYJU's live satellite seminar on May 29th 2020.

2) Attended FDP on Contemporary Tools and Technology for Teachers and researchers in higher education on 9th May, 2020, organized by Cambridge Institute of Technology.

3) Attended Webinar on "Advanced Embedded System Design for Emerging Technologies on 22nd May 2020, organized by SJBIT, Bangalore.

4) Attended Awareness Quiz on Pandemic on 22 may 2020, organized by RRIT, Bangalore.

5) Setback to comeback workshop on 29th July, organized by ISKCON.

Prof. Anupama

1) Attended Awareness Quiz on Pandemic on 22 may 2020, organized by RRIT, Bangalore

2) Attended BYJU's live satellite seminar on May 29th 2020.

3) Attended Webinar on free MOOC to complement Engineering Education on May 13th 2020, organized by IEEE SIGHT Bangalore Section.

4) Attended Webinar on Discover Ideas for your Projects, Research with IEEE Xplore on 28th April 2020, organized by IEEE section Bangalore.

5) Attended Quiz on DATA and Computer Communication Network on 28 May 2020, organized by ECE Department, RLJIT.

Prof.Yoganandini A.P.

1) Participated in" COVID-19 Awareness quiz "organized KLE College of Engineering,chikodi on 28/5/2020.

2) Attended Webinar on "Intenational yoga" on 6th june 2020 conducted by S-Vysa yoga University.

3) Participated in "National level online quiz on Electrical Machines on 11/7/2020 conducted by HIT, Nidasoshi.

4) Participated in "National level online quiz on EPower Electronics on 13/7/2020 conducted by HIT, Nidasoshi.

5) Participated "International Webinar on "Effective of Muaic on human Brain" on 9th july 2020 conducted by Gurunanak Dev Engg college, Bidar.

6) Participated online quiz on "Management and Enterpreneurship Development" held on 24 &25th july 2020 conducted by oxford college of Engg, Bangaluru.

7) Participated on online webinar on "software tools and modern RemoteTeaching" on 25th july 2020 conducted by AMC ENGG college, Bangaluru.

8) Participated in Webinar on "Artificial Intalligence and Assistive Devices in Health care" on 29th july 2020 conducted by CIT, Bangaluru.

9) Participated E-quiz on "Teaching Pedagogy" on 31st july 2020 conducted by ATME college of ENGG,Mysuru.

Prof.Anupama Hongal

1) Attended Webinar on Automatic HDL Code Generator using MATLAB & Simulink on 19th May 2020, SIT Bangalore

2) Attended Webinar on Block Chain and Vedic Connections, 22nd May 2020.

3) Leadership Talk with Dr. Pramod Chaudury on 16th May 2020.

4) Attended Webinar on Personal Effectiveness, need of the Hour, on 14th May organized by SIIMS, POLACHI

5) Attended Faculty Awareness Program on NAAC Accreditation from 10th-15th May 2020, SCSCOE, PUNE.

6) Attended Webinar on E-Waste Management on 3rd July 2020, SaIT Bangalore.

7) Webinar on "Stay at Home, Save Lives, Pledge and Committed to abide by Government of India, organized by SCET.

8) Participated in Quiz on COVID 19, on 1st May 2020. organized by SCET. Demonstrating to Promote safety against COVID 19 by WHO

Prof. Manjula G Hedge

1) Attended FDP on Contemporary Research Trends in ECE, from 6th -10th July 2020, organized by VTU

2) Attended FDP on Programming Language in association with Spoken Tutorial, 28-30th May 2020, organized by IIT Bombay.

3) Attended Webinar on Automatic HDL Code Generation using MATLAB & SIMULINK on May 19th 2020, BIT Bangalore.

4) Attended Webinar on Data ware housing and Data Science on 8th July 2020, organized by Sir MVIT

5) Attended Webinar on Advancement in Packet based Communication on 28th May 2020, organized by Sir. MVIT.

6) Attended FDP on usage of Technology in COVID 19 28th to 2nd June 2020, TERNA Engineering College Mumbai.

7) Attended Webinar on Power Generation and Indian Energy Scenario on 16th May, organized by EEE Department, Cambridge Institute of Technology.

8) Attended Webinar on Personal Effectiveness Need of the Hour. May 14 2020, SIIMs, POLACHI

9) Attended Webinar on E-based Management on 3rd July 2020, SaIT Bangalore.

Prof. Sudha J

1) Attended Webinar on IETE Advanced Antenna Design and Development for RF Communication system, IETE, 20th -25th July 2020.

2) Attended Webinar on System Design using Verilog HDL, NIET, 18th -20th May 2020.

3) Attended Webinar on Teaching Pedagogy, 17th july 2020, AMECE.

4) Attended Webinar on E-based Management on 3rd July 2020, SaIT Bangalore.

IETE Activities:

1) Conducted webinar on "Work from Home – Employee / Employer Perspective" on 11th May 2020 by Dr. C. V. Ravishankar, HOD, ECE dept. SaIT.

2) Conducted webinar on "Future Technologies" on 12th May 2020 by Dr. C. V. Ravishankar, HOD, ECE dept. SaIT.

3) Conducted webinar on "Drones –Trends & Its Feature" on 13th May 2020 by Dr. C. V. Ravishankar, HOD, ECE dept. SaIT.

4) Conducted webinar on "Drones Security & Legal Issues" on 14th May 2020 by Dr. C. V. Ravishankar, HOD, ECE dept. SaIT.

5) Conducted webinar on "IOT technology present, future and security issue" on 18th May 2020 by Dr. C. V. Ravishankar, HOD, ECE dept. SaIT.

6) Conducted webinar on "Cyber Security – Issues, Consequences & Future Prospectus." on 19th May 2020 by Dr. C. V. Ravishankar, HOD, ECE dept. SaIT.

7) Conducted webinar on "Block Chain Technology-Crpto Currency and Behond" on 20th May 2020 by Dr. C. V. Ravishankar, HOD, ECE dept. SaIT.

8) Conducted webinar on "RHEL8(RedhatEnterpriseLinux8)-DRIVING FORCE OF DevOps" on 21st May 2020 by Mr. Nived Velyudhan, REDHAT-INDIA.

9) Conducted webinar on "Accelerate Machine Learning algorithms with Intel daal4py" on 22nd May 2020 by Mr. Abhishek Srivastava, INTEL associate-FICE.

10) Conducted webinar on "Data Analytics for IOT connected Devices using AWS cloud" on 23rd May 2020 by Mr. Abhishek Srivastava, INTEL associate-FICE.

11) Conducted webinar on "Technology Platforms to Harness True Potential of 5G" on 26th May 2020 by Mr. A.T. KISHORE.

12) Conducted webinar on "Deep Learning model deployment with Open VINO toolkit for Computer Vision Applications" on 28th May 2020.

13) Conducted webinar on "Satellite Navigation" on 28th May 2020 by Mr. H R Sudarshan Prasad, Expert faculty. COEA&D.

14) Conducted webinar on "Data Analytics for IOT connected Devices using AWS cloud" on 29th May 2020 by Mr. Raghavendra Prasad.Y, Xtrans Solutions Pvt.Ltd.

15) Conducted webinar on "Avionics-Technology and Trends" on 6th June 2020 by Sri Raghavendra Kulkarni, Aviation Electronics.

16) Conducted webinar on "Advances in Microwave Technology" on 2nd June 2020 by Dr. D.C.Pande, & Dr. Raja Ramanna, DRDO,& LRDE.

17) Conducted webinar on "Cloud Technologies –Applications, Techniques & Careers." on 6th June 2020 by Sri. Hemanth Bansal, Oracle India.

18) Conducted webinar on "An Introduction to Machine Learning" on 9th June 2020 by Sri. Ranajoy Bose, Oracle India.

19) Conducted webinar on "Introduction to Data Science & AI" on 10th June 2020 by Sri. Manish Kumar, Oracle India.

20) Conducted webinar on "Data Exploration & Visualization using python" on 11th June 2020 by Mrs. Rajeshwari Rai, Oracle India.

21) Conducted webinar on "Data Visualization using Tableau." on 12th June 2020 by Mrs. Rajeshwari Rai, Oracle India.

Events

ECE faculties and students conducted awareness program about pandemic situation to the public.

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Workshop/FDP/Tech Talk Conducted:

1) Conducted Three Days Faculty Development Program On "Microcontroller and Embedded systems - ARM7TDMI/LPC2148", on 3rd February 2020 to 5th February 2020.

2) Conducted one-day virtual webinar on "Data Science Approach in industry with concept of 4.0" by Mr. Vinay Harista, Technical Director, Vtricks Technologies on 30th June 2020.

3) Organized a Parents-Teachers meeting on 15th February, 2020 in the MCA seminar hall.

4) Conducted one day virtual FDP on "E-Waste Management" in association with Ministry of Electronics and Information Technology by Mrs. Dakshayani, Member of Reverse Logistics Group, India on 3rd July 2020.

FDP/Workshop/Tech Talk/SDP Attended:

1) Prof. Asha M L has attended one-day Webinar on **"VLSI verification"** conducted by VKIT Bangalore on 26th June 2020.

2) Prof. Asha M L has attended one-day Webinar on **"LATEX for paper & Thesis Writing"** conducted by Presidency University on 18th July 2020.

3) Prof. Asha M L has attended one-day Webinar on **"Mind your Mind During & after Covid-19"** conducted by VVCE, Mysore on 6th June 2020.

4) Prof. Asha M L has attended Three day FDP on **"Embedded Research & Development in Academic Environment"** conducted by Sir.MVIT, Bangalore on 3rd June 2020.

5) Prof. Asha M L Participated Online Quiz on **"Against Drug Abuse"** conducted by BMSIT, Bangalore on 30th July 2020.

6) Prof. Indi Jayashree M attended one-day workshop on **""Google Cloud Career Readiness Program Meet-up"**, conducted by Google India, Bangalore on 18th February 2020.

7) Prof. Indi Jayashree M, participated in online webinar on "Robot Operating System" organized by East Point college of Engineering and Technology, Dept. of EEE on 15th July 2020.

8) Prof. Indi Jayashree M, participated in online Quiz on "Object Oriented Programming" organized by Dept. of ISE, SKIT, Bengaluru, in the month of June 2020.

9) Prof. Indi Jayashree M, participated in online Quiz on "Concepts of Data Structures" organized by Dept. of ISE, SKIT, Bengaluru, in the month of June 2020.

10) Prof. Indi Jayashree M, participated in online webinar on "Big Data Architecture and Ecosystem", by Dept. of ISE, EPCET, Bangalore on 11th July 2020.

11) Prof. Indi Jayashree M, participated in online webinar on "Data Science and Artificial Intelligence Space Exploration", by Dept. of ISE, SVCE, Bangalore on 7th July 2020.

12) Prof. Indi Jayashree M, participated in online webinar on "Mind your Mind-During and after COVID-19", by Dept. of physics, VVCE, Mysuru on 6th June 2020.

Industrial Visit:

1) One Day visit to IISC, Bangalore for OPEN DAY function for third year students on 29th September 2020. Students were coordinated by Prof. Basavaraj G N.

NSS Activity:

1) Conducted "Harmony of Mind, Body and Soul towards healthy life" under Women cell, NSS and EWS Activity. The resource persons were Mrs Vidyashree and Mr Harish from **BLISS VIBES YOGA CENTER** on 03rd march 2020.

2) Organized "World Environment Day Celebration" on 5th June 2020 in the Sambhram Institute of Technology campus under National Service Scheme.

DEPARTMENT OF MECHANICAL ENGINEERING

Faculties registered for PhD/awarded:

1) Mr. M V Chackrapani has successfully completed pre PhD comprehensive viva at BIT Research Centre in the month of March 2020.

Research Paper Publications Details:

1) Prof. P Sampathkumaran lished a Paper Titled Addition of Beryl Content to Aluminium 2024 Alloy Influencing the Slide Wear And Friction Characteristics authored by K. G. Sagar, P. M. Suresh and P. Sampathkumaran, has Been accepted for publication In The Journal of Mechanical Engineering, IEI, Springer Publications, July 2020.

Coauthors- H B Niranjan, Padmavathi G.

The Following Technical Abstracts have been accepted for presentation in the following International Conferences:

a) "Role Of Manganese Content Increase And Section Size Variation Affecting Residual Stress And Elastic Properties On Increase In High Chromium Alloyed Irons", Authored By T. Pramod, P.Sampathkumaran, Munesh Nagpal, S.Seetharamu, S. Anand Kumar, submitted to Materials Science &Technology 2020, Pisttsberg, USA.

b) "Positive Effect of Betel Nut Addition to PC And ABS Blends on the Mechanical Properties" by G.J. Naveen, P. Sampathkumaran, Vishvanath Koti, T. Pramod, M. Ameen Khan, R.R.N. Sailaja Bhattacharya, S. Seetharamu, A. Sathyanarayana Swamy, submitted to MS& T2020, Pisttsberg, USA.

c) "Scratch And Corrosion Resistances Influenced By Manganese Addition And Process Parameters In High Alloyed Chromium Irons", by T. Pramod, P.Sampathkumaran, S.Seetharamu, Narendra Dube, Bincy Rose Vergis, R.K. Kumar, Kishore and C. Ranganathaiah, Wear of Materials 2021, Elsevier Publications, Alberta, Canada.

d) "Influence of Metallurgical parameters on Wear and Impact characteristics in high Chromium Manganese Ions" Accepted for publication in springer Journal.

Coauthors- Ashirwad Pandey, P Sampathkumaran, G J Naveen, S Seetharamu, T Pramod, A Sathyanarayana Swamy.

FDP/SDP/ Conference /Workshop Programs Attended:

Prof. Jagadeesh H

1) Successfully completed online Live Training on "CNC Programming and Operation of Turning Centre" conducted by IMTMA, Technology centre Bengaluru from 3rd July 2020.

2) Completed Five Days Faculty Development Programme on "Advancements and Futuristic Trends in Materials and Mechanical Engineering" organized by Mechanical Department, BIT, during 27th - 31st July 2020.

3) One-day online Webinar on "A Practical Approach on Industry 4.0 and its Implementation in Smart Factories" in association with MTAB Technology centre, Channai, on 26th July 2020, Organized by Department of Mechanical Engineerig, Mahathma Gandhi Institute of Technology.

4) One-week online Faculty Development programme on "Recent Research Developments in Materials and Mechanical Design" organized by Mechanical department, Vishnu Institute of Technology, Bhimavaram, W B Dist, AP, India during 21st to 25th of July 2020.

5) Online National Lever Quiz on "AUTOMATION AND ROBOTICS" organized by Department of Mechanical Engineering, Holy Mary Institute of Technology and Science, on 8/4/2020.

6) Online Quiz on "3D Printing Technology" with 65% on 8th & 9th July 2020.

Prof. B V Padmini

1) Attended One Week FDP Webinar on "Mechanical Virtual labs "conducted by Nagarjuna college of Engineering and Technology, in association with Virtual Labs NITK Surathkal from 6th May to 13th May 2020.

2) Attended Covid -19 Digital campaign at Reva University, Bangalore.

3) Attended Manufacturing Technology Quiz Organized by Reva University Bengaluru on 06.05.20.

4) Manufacturing and Production Technology Quiz Organized by Sri Krishna Institute of Technology, Bengaluru on 26.05.20.

Prof. Naveen G.J

1) Successfully completed the STTP through ICT mode on "NBA Accreditation and SAR Preparation" organized by NITTR, Kolkota from 4th May to 8th May 2020.

2) Two week FDP on "Latex" from 17th April to 30 April by Gopalan College of Engineering and Management with IIT Bombay spoken tutorial and successfully cleared Latex exam.

3) Completed one week online FDP on "Moodle Learning Management System" Organised by KLE's VDIT, Haliyal, Uttara Karnataka in association with IIT Bombay spoken tutorial and successfully cleared exam.

Guest Lecture/ Technical Talk/Seminar Conducted.

1) Dr. P L Srinivasa Murthy Professor MSRIT has given Guest Lecturer on Design of Machine elements in the month of March 2020.

2) Dr. Ramachandra has given Technical talk on Additive Manufacturing Technique in the month of March 2020.

Achievements of Staff/Students:

1) Prof. Naveen G J was invited as chief guest for Annual sports day at Ashoka International School, Nov 2019.

2) Dr. P Sampathkumaran invited talk at Brindavan College of Engineering Bengaluru on the topic "Tribology basic Aspects, Applications and case studies" on 8th Nov 2019.

3) Participated as an external expert committee member in connection with the promotional inter scientists in June 2020 (Two occasions).

Student Placement

1) Mr. AKASH B R Bearing USN: 1ST12ME004 placed in Primus Software Solution with a package of 10.5 L Per annum.

> DEPARTMENT OF
> CIVIL ENGINEERING

FDP/SDP/Conference/Workshop/Programs:

1) Mrs. Vasantha D, Assistant Professor has attended one-day workshop on "BIM in Construction Management" organized by SVIT, Bangalore held on 2nd July 2020.

2) Mrs. Vasantha D, Assistant Professor has attended one-day workshop on "Effective use of concrete in RCC structures" organized by QCRETE READYMIX (INDIA) PVT LTD held on 11th July 2020.

3) Mrs. Vasantha D and Mrs. Monica M S, Assistant Professors have attended one-day workshop on "CYPECAD-Analysis and Design of Tall Buildings" organized by SVCE, Bangalore, held on 13th July 2020.

4) Mrs. Vasantha D and Mrs. Monica M S, Assistant Professors have attended Five-day's workshop on "Sustainability Aspects and Recent Trends in Civil Engineering-

The Future Scenario" organized by BMSIT, Bangalore, from 14th July to 18th July 2020.

5) Mrs. Vasantha D, Assistant Professor has attended Five-day's workshop on "Advancements in Civil Engineering" organized by PESITM, Shivamogga., from 27th July to 31st July 2020.

6) Mrs. Akshata A Mulgund, Assistant Professor has attended three-day's workshop on "Revit Architecture" organized by SVCE, Bangalore., from 10th to 12th May 2020.

7) Mrs. Akshata A Mulgund, Assistant Professor has attended one-day webinar on "Environment and Sustainable Development", organized by Vidyavardhaka college of engineering, Mysore, held on 5th June 2020

8) Mrs. Akshata A Mulgund and Mrs. Monica M S, Assistant Professors have attended one-week FDP on "Innovation and upgradation in infrastructural technology", organized by Terna Engineering College, Mumbai, from 27th May to 2nd June 2020.

9) Mrs. Akshata A Mulgund, Assistant Professor has attended webinar on "Foam concrete – Thermal insulation material", organized by Amrita Vishwa Vidyapeetham School of Engineering, Coimbatore, held on 13th June 2020.

10) Mrs. Akshata A Mulgund and Mrs. Monica M S, Assistant Professors have attended two-day's workshop on "Research Methodology and LaTeX", organized by East West college of engineering, Bangalore, from 18th June 2020 to 20th June 2020.

11) Mrs. Akshata A Mulgund, Assistant Professor has attended one-day webinar on "IPR and E-Patent filling", organized by NCET, Bangalore, held on 26th June 2020.

12) Mrs. Monica M S, Assistant Professor has attended one-day webinar on "IPR and E-Patent filling", organized by NCET, Bangalore, held on 26th June 2020.

Activities:

1) **SURVEY CAMP 2020:** Extensive Survey camp was conducted between 27th January 2020 to 6th February 2020 at S.S.Ghati, Doddaballapur taluk, Bengaluru rural district.

2) **Field Trip 2020:** Geological field trip was organized to Doddabettahalli query section as a part of academic curriculum. 4th semester A & B section students attended in the field trip on 12th March 2020.

Faculty awarded/registered for PhD:

1). Mr. Krishnamurthy G.R pursuing PhD from Annamalai University and Waiting for results of course work.

2) Mrs Akshata A Mulgund pursuing PhD from VTU and Waiting for comprehensive viva – voce.

DEPARTMENT OF BASIC SCIENCE

Webinar/Seminar Conducted:

1) Celebrated World Environment day by conducting webinar on "Sustainable Development and Biodiversity" in association with KSPCB and Prakruthi Institute of Environmental Studies on 26th June 2020.

Paper publications:

1) Published the paper titled "Solid State Computational Studies of Ambroxol hydrochloride Drug, Chemical data Collections 2020".