



MESSAGE FROM THE CHAIRMAN



Mr. 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

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MESSAGE FROM THE CHIEF EDITOR



Dr. Latha P. H

It gives me immense pleasure to welcome you all to the tenth 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 Mr.V. Nagaraj for providing the opportunity to make the tenth issue a great start and the reality. I thank all the Head of the Various Dept. who took initiative to make this a successful one.

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) Ms. Namita Amdalli, Assistant Professor, Dept. of ISE
- 2) Mrs. Yoganandini, Assistant Professor, Dept. of ECE
- 3) Ms. Manasa K N, Assistant Professor, Dept. of CSE
- 4) Dr. Mallikarjun U B, Professor, Dept. of Civil Engg.
- 5) Mr. M V Chakrapani, Associate Profesor, Dept. of Mechanical Engg.
- 6) Ms. Ranjitha K, Assistant Professor, Dept. of Basic Science
- 7) Mrs. Rashmi Rajiv, Head - Training and Placement, Central Placement Cell

STUDENT CO-ORDINATORS

- 1) Nanda Kumar P, Dept. of ISE (7th SEM)
- 2) Varshitha N S, Dept. of ISE (7th SEM)
- 3) Swaroop U S, Dept. of ISE (5th SEM)
- 4) V Manish, Dept. of ISE (5th SEM)
- 5) Rekha R, Dept. of ISE (5th SEM)

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



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Vision:

To professionally drive and train the young minds by placing them in forefront of technological, scientific & engineering discipline to glorify the future of sambhram institute of technology as a shining star in the world of computer technology.

Mission:

To act as the nurturing ground for young professionals who seek to make a difference and create a talent pool for various industries so that there may be synergistic growth for both

Department quality policy:

- Developing and understanding of future techniques and approaches, including their limitations and applications.
- Exploring a range of perspectives, styles and gaining experiences of various organizations approaches and to become acquainted with the future literature.

Research:

1. Prof Usha T has registered for the PhD in Text Mining, VTU under the guidance of Dr. T John Peter.
2. Prof. Sohara Banu has registered for the PhD in Machine Learning, VTU under the guidance of Dr.V.Nagaveni

Workshop/ Seminar/ Technical Talk

Conducted:

1. 2-days workshop on OFDM LTE Wireless Technology for 6th Sem students by Retired Flt.-Lt A T KISHOR former principal consultant UTL Technologies founder Vidya Sangha , Bangalore from 25/02/19 to 26/02/19.
2. 4-days workshop on CPMA(Cross platform for mobile applications) for 6th Sem students by Mr.Sumith, Trainer, ATS Private Limited, New Delhi from 25-03-2019 to 28-03-2019.

3. 4-Days workshop on IOT for 4th Sem ECE by Mr.Sumith, Trainer, ATS Private Limited, New Delhi from 8-04-2019 to 11-04-2019.
4. 4-Days workshop on ROBOTICS for 4th Sem ECE by Mr.Sumith, Trainer, ATS Private Limited, New Delhi from 8-04-2019 to 11-04-2019.
5. 2 Day workshop on Big Data for 8th sem by Mr. Sumanth Sharma, Deputy Manager for Hadoop Developers, Reliance Jio Infocom Pvt Ltd, Bangalore.
6. Technical Talk on Artificial Intelligence for 6th sem & 4th sem by Mr.Nandeesh, co-Founder & COO from UNIWAY, Bangalore on 23-04-2019.



7. Technical Talk on Cyber Security for 6th sem by Mr. Arun Rajpurohit, Mr. Srinivasa Gopal, Mr. Sridhar Murthy, Dlithe Technolgies Pvt Ltd Bangalore on 22-05-2019.



Publications:

1. Prof Srikanth S P has published paper in International Conference on Latest Advancements and future trends in Engineering, Science and Management on “Implementation of Home Automation using Google Assistant SDK” on 3rd-4th May 2019 at Sambhram Institute of Technology.
2. Prof Vani B has published paper in International Conference on Latest Advancements and future trends in Engineering, Science and Management on “An Application Aware Bigdata Deduplication in

- Cloud Environment” on 3rd-4th May 2019 at Sambhram Institute of Technology.
3. Prof Vani B. has published the paper titled “A Survey on Application-Aware Big Data Deduplication in Cloud Environment” IJATES International Journal Volume 7 Issue No.5 on May 2019
 4. Prof. Mallamma C G has published paper in International Conference on Latest Advancements and future trends in Engineering, Science and Management on “Self Turned Descriptive Document Clustering using Predictive Network ” on 3rd - 4th May 2019 at Sambhram Institute of Technology.
 5. Prof. Sohara Banu. A R has published paper in International Conference on Latest Advancements and future trends in Engineering, Science and Management on “Ultra Low Power Secure IOT Platform for Cardiavascular Diseases” on 3rd-4th May 2019 at Sambhram Institute of Technology.
 6. Prof Anitha K has published paper in International Conference on latest Advancements and future trends in Engineering, Science and Management on “A Survey on image Classification and representation Based on Deep Learning” on 3rd-4th May 2019 at Sambhram Institute of Technology.
 7. Prof Anuradha has participated and presented paper in National Conference on “Recent Trends and Innovations in Mechanical Engineering and Technology-RTIMET 2019” at Cambridge Institute of Technology from 3rd to 4th May 2019.
 8. Prof Bilwashree has participated and presented paper in National Conference on “Recent Trends and Innovations in Mechanical Engineering and Technology-RTIMET 2019” at Cambridge Institute of Technology from 3rd to 4th May 2019.
 9. Prof. Raghava MS has published the Paper titled “IOT Based Industrial Pollution Monitoring” IRJET International Journal Volume 6 Issue No.5 on May 2019.
 10. Prof. Manasa KN has published the Paper titled “Disease Prediction by Machine Learning with the help of BigData from Healthcare Communities” IJESC International Journal Volume 9 Issue No.5 on May 2019.

11. Prof. Sowmya B has published the Paper titled “General TCP Congestion Control Model using Passive Measurement in Machine Learning” IJESC International Journal Volume 9 Issue No.5 on May 2019.
 12. Prof. Usha T has published the Paper titled “A survey on Phase Mining methods for Unstructured data” IJESC International Journal Volume 9 Issue No.6 on 22 July 2019.
 13. Prof. Manjula B S has published the Paper titled “P2P Botnet Detection Using Machine Learning” USRR International Journal Volume 7 Issue No.5 on May 2019.
 14. Prof Manjula B S has published paper in International Conference on Latest Advancements and future trends in Engineering, Science and Management on “P2P Botnet Detection Using Machine Learning” on 3rd -4th May 2019 at Sambhram Institute Of Technology.
- Techniques” on 15th March 2019 held at Sambhram Institute of Technology.
2. Prof. Usha T attended 3-day workshop on “Machine Learning with Python” at SJBIT, Bangalore, from 11th-13th July 2019.
 3. Prof. Raghavendra KM attended 3-day workshop on “Machine Learning with Python” at SJBIT, Bangalore, from 11th-13th July 2019.
 4. Prof Srikanth.S.P attended one day seminar on “Amazon Web Services Initiate” on 21 June 2019 at Taj M.G.Road, Bangalore.

Events:

1. Celebrated teacher’s day on 28/02/2019



Workshop /FDP/Conference attended:

1. Prof Vani B, Prof SahanaDevi K J, Prof Mallamma.C.G have attended one day FDP on “Counselling

2. Conducted Aptitude test for pre final year students on behalf of “Technical club” CSE Department.
3. Arranged interaction session for pre final year students with final year students on 19/02/2019 on behalf of “Technical club” CSE Department.



4. Celebrated “Women’s day” on 8/3/2019.
5. All 6th and 8th sem students along with 4 faculty coordinators attended “IISc open day” on 23-03-2019.



6. Conducted Sambhram open day on 30-03-2019.



7. Conducted Mock interview for pre final year students on behalf of “Technical club” CSE dept.



8. 10 students have attended orientation program in “Aircraft and Aerospace Engineering” from 08-04-2019 to 10-04-2019.
9. Celebrated department fest “PRATHYUSH 2K19” and farewell “SANDISHYA 2K19” from 8th to 9th of May, Chief guest for the event were Dr. CS. Kedar, Rtd. IAS Officer and Director, Bionic Yentra Pvt Ltd and Mr. Ganesh Shankar, Founder and CEO FluxGen Technologies at Venkateshwara Auditorium,

SaIT, Bangalore.



Students Achievements:

1. R Nireekshith(VI sem) has attended QuBytes 2K19 at New Horizon College of Engineering and secured 2nd place in Coding Competition based on Network Security on 22nd and 23rd of March 2019.
2. Kanishk Barhanpurkar(VI sem) has published paper in Textile Value Chain Journal on “Applications of Big Data in Textile Industry”, March 2019.
3. Kanishk Barhanpurkar(VI sem) has published paper in International Conference on Latest trends on Management, Engineering and Technology on “Implementation of Home Automation using Google Assistant SDK” on 3rd-4th May 2019.
4. Sushma S, Sushma Kurdekar, Sudhmitha M, Tanuja Kumari have published paper in International

- Conference on Latest trends Management, Engineering and Technology on “Ultra Low Power Secure IOT Platform for Cardiovascular Diseases” under the guidance of Prof. Sohara Banu A R on 3rd-4th May 2019.
5. Ranjan Boudel, Hridesh Chaudhary, Sanjeev Kumar Raut, Santosh Lama have published paper in International Conference on Latest trends on Management, Engineering and Technology on “An Application Aware Bigdata Deduplication in Cloud Environment” under the guidance of Vani B on 3rd - 4th May 2019.
 6. Manjunath Rammachandru, Pawan Kumar, Ravikumar Shankaran. Sachin Rajput have published paper in International Conference on Latest trends on Management, Engineering and Technology on “A Survey on image Classification and representation Based on Deep Learning” under the guidance of Anitha K on 3rd-4th May 2019.
 7. Kailash Vashisth, Lumeez Fathima, Shreeja have published paper in International Conference on Latest trends on Management, Engineering and Technology on “Self Tuned Descriptive Document Clustering using Predictive Network” under the guidance of Mallamma.C.G on 3rd-4th May 2019.
 8. Disha Rai, K Arundhati, Komala M, M N Amulya have published paper in International Conference on Latest trends on Management, Engineering and Technology on “P2P Botnet Detection Using Machine Learning” under the guidance of Manjula.B.S on 3rd-4th May 2019.

Students Participation in Events:

1. 24 Students from VI sem have taken part in Epitome 2K19 conducted at St. Aloysius College, Mangaluru held on 14th and 15th March 2019.
2. Harish Chaudhary has attended 10 days workshop on “software testing” at testing campus infotech from 26th march to 4th April 2019.
3. Nireekshith R. (VI sem) has participated in Code Nerd event conducted at BMS Institute of Technology & Management, Bengaluru on 6th and 7th April 2019.
4. Utsav Shrestha (VI sem) has participated in Counter Strike

- Gaming and secured 3rd position conducted at BMS Institute of Technology & Management, Bengaluru on 6th and 7th April 2019.
5. Utsav Shrestha and Nireekshith R (VI sem) have participated in “A Global Programming Competition “Snackdown2019 in May 2019.
 6. Shubham Bhardwaj (VI sem) has attended seminar on “RHEL - 8 Powering, Efficiency, Agility and Innovation” by Complete Open Source Solutions, Bengaluru.
 7. Shubham Bhardwaj (VI sem) has participated in a Yadalam Shield Debate Competition held by Rotary Club of Bengaluru on 23rd Feb 2019.
- Student Placement:**
1. SLK Software, 3 students selected, 2.82 LPA.
 2. Terralogic Software Solutions Pvt Ltd, 2 students selected, 3.2 LPA.
 3. Tata Consultancy Services Ltd, 6 students selected, 3.36 LPA.
 4. Mphasis, 4 students selected, 2.52 LPA.
 5. Syntellect, 9 students selected, 3.1 LPA.
 6. Armentum, 18 students selected, 2.2 LPA.
 7. Virtusa, 1 student selected, 3.3 LPA.
 8. Wipro, 7 students selected, 3.5 LPA.
 9. Infosys, 11 students selected, 3.6 LPA.
 10. L&T Infotech, 1 student selected, 3.33 LPA.
 11. Accord Software & Systems PvtLtd, 1 student selected, 3.6 LPA.
 12. Advanced Business & Healthcare Solutions India Pvt Ltd, 2 students selected, 3.7 LPA.
 13. In Time Tec Visionsoft Pvt Ltd, 1 student selected, 3.5 LPA.
 14. Forex and The Forest, 7 students selected, 6 LPA.
 15. Atos Syntel, 6 students selected, 3.10 LPA.
 16. Cognizant, 4 students selected, 3 LPA.
 17. Mindtree, 1 student selected, 3.5 LPA.
 18. Qspiders, 4 students selected, 2.5 LPA.
 19. NTT DATA, 3 students selected, 3 LPA.
 20. IBM, 1 student selected, 3.88 LPA.
 21. M/s Vrushka Technologies, 5 students selected, 2 LPA.
 22. Dell EMC, 1 student selected, 5.3 LPA.
 23. Equip, 1 student selected, 3.2 LPA.
 24. Volante, 1 student selected, 2.04 LPA.

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

Student Achievements :

1. Mr.Amar Ganapathi Hegde
Published Paper On Electro
mated Fish for under water
Surveillance.
2. Pallavi S V Published Paper on
Tracking of fuel road tankers for
Anti-pilferage and anti-adulteration.
3. Janhavi M Iyengar Publisher Of
Paper on Epilepsy Patient
Monitoring System using wireless
and embedded platform.
4. Ankitha V Published Paper on Fully
Automated metro train with
enhanced safety.
5. D.Manjunatha Reddy Published
Paper On Sustainable aquaculture
and smart agriculture using IOT.
6. Choodamani P Published Paper on
IOT based Smart City.
7. Deepthi B L Published Paper on
Monopolize the Automobile, based
on hazardous status of Driver, using
image processing and AI.
8. Kavya A Published Paper on
Drainage Blocking Detection and
human body identification using
ARM.
9. Megha N Published Paper on Soldier
health Monitoring and Tracking
system.
10. Prithvi P Published Paper on
Automation in Agriculture using
AgroBot.
11. Rakshitha V Published Paper on
Automatic Vending Machine for
Medicinal Drugs.
12. Shridhar H C Published Paper on
Lake health monitoring and waste
collecting AguaBot.
13. Roja T S Published Paper on Auto
Aiming and triggering Robot for
surveillance in Defence environment.
14. Sagarika R Published Paper on Smart
Device for child safety and tracking
using GSM Mobile.
15. SohanKumar Published Paper on
Efficient Energy Management
System for Smart Homes using
Renewable Resource.
16. Lakshmi Rangaswamy Published
Paper on Multi-Purpose Drone using
IOT.
17. Varshitha G R Published Paper on
Development of Pi-Bator for Poultry
Farming.
18. Suresh Kumar Published Paper on
IOT based Self Billing Shopping
Trolley.
19. Nodoro N Chrispine Published Paper
on Intelligent Voice Controlled
Typing Robotic ARM for Physically
Disabled.
20. Sachin C Dhannur Published Paper
on Brain Wave Automated Robot.
21. Rahul K Published Paper on IOT
based Traffic Signal Violation
Detection and Finger Print based
Licensing System.

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

1. Prof.Yoganandini.A.P. A Modified Particle Swarm Optimization (PSO) Algorithm to Enhance MPPT in the PV Array.
2. Prof.Yoganandini.A.P. Comprehensive study of Global Photovoltaic Energy Market Scenario and Applications of powerelectronics.
3. Dr.Rangaswamy SVM RBFNN and CNN classifiers for Detection and classification of lung cancer from CT scans image.
4. Dr.M.Levy Technical session chair at RRIT.
5. Dr. C.V.Ravishankar Convener workshop at ICLAFTESM-2019.
6. Faculties - Dr. C.V.Ravishankar Prof- Kumbhar Trupti Prof- Shwetha Dr. Veena Prof- Anupama. H Dr.Rangaswamy Prof- Pavana Mr. Mahesh Mr. Ashok attended Banglore Civic Fest
7. 6 Students and Faculties- Dr.Ravishankar Dr.Rangaswamy attended IETE students day.
8. Dr.M.Levy Attended AI and Data Science Day arraigned by IEEE section PES.
9. Dr.M.Levy attended IEEE India council by IEEE section Bangalore.
10. Career opputunities In India-Defence and Drug free India.
11. OFDM-LTE Wireless Technology Organised by ISTE, EWB, IEEE SaIT student chapter.

12. Career Opportunities in Armed Forces for Technical Graduates By K.A.Ramachandra, Indian Army.



13. Seminar On How To Build your career in IT world By Vineet Mittal and Rakesh.



14. Web Development with Python for 8th semester students under ISTE student chapter.
15. Dr.Veena and Dr.M.Levy attended workshop on NBA awareness and quick learn enabled TLP.
16. Prof- Yoganandini. A.P. Prof- Manjula Hegde Prof- Sowundeswari Prof- Shilpa Chippalakkatti attended workshop on Research Methodology.
17. Mahesh,Kiran,Shahina lab instructor attended workshop on prevention and breakdown maintenance of ECE components.

18. Prof. Sindu Prof-Manjusha Mane Prof-Khameer Unnisa attended workshop on Image fusion and multi-mode imaging fundamentals.
19. Recent Trends in Network security and Cryptography Organised by ISE.
20. FDP attended on Industrial IOT using LabView at HKBK college of Engineering.
21. 25 Faculties from all department attended counselling techniques by NIMHANS.
22. “Dristi” ONLINE competition from Texas Instruments under ISTE student chapter.
23. Dr.M.Levy attended Seminar at Sir C.V.Raman memorial lecture on Space Exploration.
24. Technical Talk by Resource Person Mrs.Jyothi Singh On Job Opportunities in software Industries.
25. Resource Person Air Force Officers Technical Talk on career opportunities in IAF for Engineering Graduates.
26. Mini Project competition held at ECE department in which out of 35 groups three groups got prize.



27. Graduation Day conducted for 8th semester students.
28. Ezilarasan.K handled NPTEL course on SEMOS and VLSI design.
29. Got Best Student Award for” EWB-SaIT student chapter-2019” EWB student Secretary receiving the award.



30. Student development program on “Web Development with Python - Django”for V sem students on 15,16,&17th Feb-2019.





31. Technical Talk on “Equalization Techniques for High Data Rates in Large Core Plastic Optical Fibers (POFs)” on 6/2/19 organized by IEEE Student Chapter, SaIT.



32. “PRTHIRA-2019” :

project competition conducted on 3rd May-2019 Inaugurated by Dr.K Balaveerareddy, Chairman Governing Council NITK & Former Vice-Chancellor VTU, and Sri. C.D. Balaji Distinguished Scientist, Chairman, Center of Excellence-A&D Under ISTE –SaIT student chapter.



Cultural Activities:

1. 2 Students from ECE department attended competition on poster presentation.
2. Sisa Talent Quest-2019
 - Poetry- Reshmi & ginnam Mahalakshmi 6th semester won 3rd prize.
 - Public speaking- Reshmi 6th semester won prize.
 - Essay writing competition- 6th semester Skandana won 2nd prize.
3. Mr. and Miss India edition-2
 - Dimple Singh-VI 'A' student got Runner Up-Best north India model Best Ramp Walk.
 - Abhignan.L Krupa- VI 'A' student got Best Karnataka model, Best entertainer.
4. 9 Students presented skit- “Nanu Bharshachara Virodigalu Nivu”.
5. 13 Students are short listed from ECE and CSE department for Debate Contest.

6. Mayurika 2019-
National Inter-college cultural and art fest- students are participated Rangoli and singing college at St.Claret College.
7. Iskon Fest- 9 students participated in cultural activities.
8. Numeryono- Quiz By SBI
At Avod Shepherd Auditorium.
9. Abhiviya 2019 by Jain-CMS-
students participated in Drama.
10. TCS-Tech Bytes TQuiz
3 groups ECE students participated.

Reasearch Details :

1. 12 Professors are Registered for PhD
and One going to finish in 1 or 2
months.
2. 4 Professors completed coursework.

Placement Details :

1. Armentum, 6 students selected, 2.4 LPA.
2. Infosys, 1 student selected, 3.6 LPA.
3. Qspiders, 4 students selected, 2.5 LPA.
4. Forex and The Forest, 2 students selected, 6 LPA.
5. Cognizant, 3 students selected, 3.38 LPA.
6. NTT DATA, 2 students selected, 3 LPA.
7. Jaro Education, 1 student selected, 6.78 LPA.
8. Amazon, 1 student selected, 2.99 LPA.
9. IBM, 1 student selected, 3.88 LPA.
10. Cigniti Technologies Pvt Ltd, 1 student selected, 3.2 LPA.
11. Torero and The Forest, 6 students selected, 4 LPA.

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Faculty Members Registered for PhD:

1. Mrs. Asha M. L. has registered and completed course work in the area of Cloud Computing under the guidance of Dr. Shivasankari G., HOD AMC Engineering College.

Publications:

1. Professor Rajkumar and Dr. Chandrakanth has published a paper titled “A Novel clustering algorithm of WSN” in (EJERS) European Journal of Engineering Research & Science Vol 4, No 3, March 2019.

Workshop/FDP/TechTalk/Conference attended:

1. Ms. Namita Arun Amdalli attended faculty development programme on “Machine Learning and DeepLearning with Python Programming” conducted by AICTE – VTU joint training programme for Teachers from AICTE approved & VTU Affiliated Technical Institution organized by “VTU – Human Resource Development Cell (HRDC) VTU Centre for PG Studies, Bengaluru Region, Muddenhalli,Chikkaballapur

conducted from 22-07-2019 to 26-07-2019.

2. Mrs.Hamsa A.S attended“Awareness Workshop on Cybersecurity Engineering in Academics” on 23rd March 2019 at RV College of Engineering , Bangalore.
3. Mrs. Hamsa A.S. attended faculty development programmer on “Role of Blockchain and Artificial Intelligence in Application of Cyber Security” from 22-07-2019 to 26-07-2019 at Ramaiah Institute of Technology.

Paper publications:

1. Prof. Basavaraj, Geetha P.B., Meghana T, ArpithaG. Desai, Laxmi M. “Smart Electronic Guiding Stick for visually impaired and elderly people” proceedings in “International Conference on Latest Advancements & Future Trends in Engineering,Science&Management” (ICLAFTSEM), 3rd – 4th May 2018, Sambhram Institute of Technology, Bangalore, Karnataka, India.
2. Dr. Latha P.H., Namitha K.P., Farah Khan, Arpitha B. Pujar, Soumya G.”Automatic Accident Detection and Ambulance Rescue” proceedings in “International Conference on Latest Advancements & Future Trends in Engineering, Science &Management” (ICLAFTSEM), 3rd – 4th May 2018, Sambhram Institute of Technology, Bangalore, Karnataka, India.
3. Prof. Rajkumar, Sangeetha S.L., Suma K.C., Bhoomika B.M., L. Priyanka, “An effective and Secrecy Conserving Biometric Verification Scheme in Cloud with BlockChain”

proceedings in International Conference on Latest Advancements & Future Trends in Engineering, Science & Management”(ICLAFTSEM), 3rd – 4th May 2018,Sambhram Institute of Technology, Bangalore, Karnataka, India

4. Prof. Indi Jayashree M., Dhiraj Kumar, Om, Praveen Prakash Sahani, Surendra Kumar Sahani, “IOT based home security system through Digital Image Processing Algorithm” proceedings in “International Conference on Latest Advancements & Future Trends in Engineering, Science & Management” (ICLAFTSEM), 3rd - 4th May 2018, Sambhram Institute of Technology, Bangalore, Karnataka, India.

Faculty Achievements:

1. Prof. Indi Jayashree M received “**Women Faculty Contributor**” on Women’s day eve held on 08-03-2019.



2. Prof. R. Radhakrishnan received “**Best Teacher Award**” on Teacher’s day Celebration held on 28-02-2019.

Events:

1. Students from 4th&6th semesters attended IISc Open Day on 23-03-2019.



2. All semester students actively participated and demonstrated their final year projects during Open Day on 30-03-2019 held in our college.



3. Celebrated dept fest “Vishisht” and farewell “Sayonara” on 7th May, Chief Guest for event was “Mr. J. Vikram Padaki, Proprietor, Serve XL Enterprises at Venkateshwara Auditorium, SaIT, Bangalore.





4. A health talk on “**Nutrition and Stress Management**” in association with Dr. Bhatra’s healthcare was held in our college by our department and the guest of honor were by Dr. Daniel, Head - Medical Services, Dr. Asma - Senior Consultant, Dr. Santhosh - Senior Consultant also there was free consultation for all students and staff on 21st March 2019.
5. Two days Student Development Programme on “**Recent Trends in Network Security and Cryptography**” was conducted by Dr. Jaidhar C D, Department of IT, NITK Surathkal for 5th & 7th sem students on 22nd and 23rd February 2019, organized by Prof. Basavaraj

6. A seminar on “Agile Project Management using Scrum Methodology” was conducted by Mr. Vinay Haritsa, Data Scientist, Vtricks Technologies on May 6, 2019 for 5th sem students.
7. Students of 5th semester attended a webinar program “**Red Hat Academy**” on February 12th, 2019 at 11.00am.



8. A Technical Talk on “Cloud Computing Services using Google Cloud Platform (GCP)” was conducted by Mr. Srinivas, Technical Specialist, Nokia R&D on 24th August 2019 at 10:30 am in the MCA Seminar Hall, organized by Mrs. Indi Jayashree M, Assistant Professor for 5th and 7th sem students.





9. Students of 6th semester attended a webinar program “**IT Transformation with containers and dev-ops**” by Red Hat Webinar series on March 13th, 2019 at 11.00am.



Student Placement:

1. Tata Consultancy Services Ltd, 1 student selected, 3.36 LPA.
2. Mphasis, 1 student selected, 2.52 LPA.
3. Access6 Technologies, 1 student selected, 2.40 LPA.
4. Armentum, 11 students selected, 2.4 LPA.
5. Wipro, 2 students selected, 3.5 LPA.
6. Infosys, 2 students selected, 3.6 LPA.
7. Forex and The Forest, 6 students selected, 6 LPA.
8. Atos Syntel, 2 students selected, 3.10 LPA.
9. Qspiders, 5 students selected, 2.25 LPA.
10. Syntel, 1 student selected, 2.5 LPA.
11. IBM, 1 student selected, 3.88 LPA.
12. M/s Vrushka Technologies, 4 students selected, 2 LPA.
13. Torero and The Forest, 3 students selected, 2 LPA.
14. NSOFT, 1 student selected, 3 LPA.

DEPARTMENT OF MECHANICAL ENGINEERING

1. List of faculties registered for PhD/awarded:

Dr. B B Manjunath has defended his Doctoral thesis and degree awarded from VTU Belagavi.

Prof R Seetharamaiah has submitted his Doctoral thesis and Defense is awaited from VTU Belagavi.

Mr. Vinayak Patil completed the Comprehensive Viva Voce under the guidance of Dr. Prashanth Banakar

from VTU Belagavi attached to R&D Centre, Department of Mechanical Engineering on 20/03/2019.

Prof M S Shivakumar successfully completed his PhD registration in April 2019 and Mr. Pradeep completed the course work examination in March 2019.

2. Research Proposal Submitted:

Prof Naveen G J submitted a proposal to conduct “FACULTY

DEVELOPMENT PROGRAM” titled “Surface Engineering and Modification Technology” under TEQIP Cell - VTU, Belagavi in March 2019.

Prof Naveen G J, submitted a proposal to conduct “One day WORKSHOP” titled “Faculty Enhancement Program on Intellectual Property Rights” under TEQIP Cell - VTU, Belagavi in March 2019.

3. Research paper publications details:

I. Prof. Naveen G.J. has published the following papers:

1. “Influence of Metallurgical parameters on Wear and Impact characteristics in high Chromium Manganese Irons”; accepted for publication in Springer Journal. CoAuthor P.Sampath Kumaran, S.Seetharamu, T.Pramod.
2. “Experimental study of Vertical Axis Wind Turbine by Maglev Suspension - A New Approach”; accepted for publication in Materials Today Proceedings Elsevier Journal CoAuthors - T G Sriganesh, T Suresh.
3. “Development and Investigation on Elastic Plastic Fracture Analysis of Al6082 reinforced Alumina/Aluminum Silicate MMCs by Taguchi Approach” - accepted for publication in Springer Journal. CoAuthors-N Puneeth, J Satheesh, N Mohan.

II. Dr.P.SampathKumaran has published the following papers:

1. “Simulation of high temperature solid particle erosion of HVOF sprayed NiCrBSiFe and WC-Co/NiCrBSiFe coated wall using CFD” - accepted for publication in Springer Journal

CoAuthors - Raghavendra Naik, R.K.Kumar, V.Sarvanan, S.Seetharamu.

2. “Tribological response of betel nut powder and kevlar based composites in a matrix of polycarbonate and acrylonitrile butadiene styrene” - accepted for publication in Elsevier Journal CoAuthor-G.J.Naveen, S.Seetharamu, T.Pramod, A.Sathyanarayanawamy, Kishore.

III. Prof. R Seetharamaiah and Dr B B Manjunath have published the following papers:

1. “Effects of High EGR on performance and emission of a diesel engine” – International Journal of Engineering and Science Research, ICETEISM – 2019, 206-209.
2. “A review of sugarcane trash as a alternative energy resource”- International Journal of Engineering and Science Research, ICETEISM – 2019, 2010-2012.

IV. Prof. B V Padmini has published the following papers:

1. High temperature Tribological studies of cold sprayed Nickel based alloy on low carbon steels. Accepted for publication Journal : Material today: Proceedings
2. Influence of substrate Roughness on wear behavior of kinetic spray coating- under communication – NIT Trichy
3. Paper presented at one day National Conference on Emerging trends in ME (NCETME) 2019 at MSRIT 26th June Solar water 2019. Purification system, a customized way of purifying water.

4. FDP/SDP/ Conference /Workshop programs attended:

- I.** Prof. Naveen G.J. has Attended the following FDP and Workshop
- Five-day FDP on “Processing and Characterization of Metal Matrix Composites” under TEQIP 1.3 held from 15th to 19th July 2019 at SJCIT, Chikkaballapur.
 - Five -day FDP on “3D Printing” under TEQIP 1.3 held from 8th to 12th July 2019 at A J Institute of Engineering and Technology, Mangalore.
 - One day FDP on “Counseling Techniques” organized by Sambhram Institute of Technology, Bengaluru held on 13th March 2019.
 - Two-day FDP on “Intellectual Property Rights” organized by Department of Mechanical Engineering, Dayanand Sagar Academy of Technology and Management, Bengaluru from 14th to 15th February 2019.
 - One day VTU sponsored workshop on “E - resources for Academic Excellence” Organized by Gopalan College of Engineering and Management, Bengaluru held on 9th February 2019.
 - Attended the meeting and technical talks by the Russian scientists and an research

scholar related to modeling of ICVI and CVD processes using dedicated software’s and method of producing carbon materials, organized by the Indian Carbon Society, Bangalore Chapter at Dromi hall DRDO Complex in March 2019.

- II.** Dr.P.Sampath Kumaran has given lecture in the following conferences
- An invited lecture organized by NDRF, IEI, Bangalore on the topic “Tribology in power plants and other industries” during the internship program for UG students in the Aerospace discipline in July 2019.
 - Participated as an external expert committee member in Connection with the promotional interview of ISRO scientists twice in June 2019.
 - Co-ordinated the activities of the one-day workshop on Lecture cum demonstration of X ray residual stress equipment from the experts of Pulsetec, Japan, organized jointly by NDRF, IEI, Bangalore and ICON Analytical Equipment (P) Ltd., Mumbai in May 2019.
 - Invited as jury member to assess the project work of 8th semester students in the Department of Mechanical Engineering of Cambridge Institute of Technology, Bangalore in April 2019.
 - Attended ASM International meeting at KASIA Bhavan,

Bangalore regarding formation of student chapter at SaIT and its benefits for the student community in April 2019.

- The question paper setting on Advanced Materials Technology was prepared as a part of M.Tech program for Aerospace Engineering of RVCE, Bengaluru in April 2019.
- A technical talk on “Embodied Energy Concept in Power Generation” was delivered to the Civil Engineering UG students of BMSIT, Bengaluru in February 2019.

5. Guest lecture/ Tech Talk/Seminar attended :

Dr.P.SampathKumaran

An invited talk jointly organized by IITM, Chennai, ASM International and Madras Metallurgical Society Chennai Chapters on the topic “Residual stress measurements and analysis of structural components with illustrations” at JP Hotel, Chennai, June 2019.



Dr.M.H.Annaiah, Vice Principal and Professor , Sapthagiri College of Engineering , Bengaluru gave a Guest lecture on “Design Of Machine Elements” for 6th sem students.



Mr.Durgesh Nadig, Senior Scientific officer Cryogenics Dept IISc , Bengaluru gave a Guest lecture on “Cryogenics” for 8th sem students.



6. Industrial visit by students:



Prof. M.S.Shivakumar assisted 6th sem students a visit to Wheel and Axle Plant, Rail Wheel Factory on 26th March 2019.

7. Achievements of staff/students:

Dr. APJ Abdul Kalam Life Time Achievement National Award for teaching, Publications and Research was conferred at ADA Rangamandira in the presence of distinguished dignitaries and participants.



Bidhan Sreshtha of 8th sem was selected for the prestigious youth-based reality show that airs on MTV India “MTV Roadies” and was a finalist among the contestants.



Prof. D.G.Manjunath assisted 4th sem students a visit to National Aerospace Laboratories on 22nd February 2019.

DEPARTMENT OF CIVIL ENGINEERING

1. Two Day FDP on Quantative Surveying and Contract Management was held in the department on 07-03-2019 & 08-03-2019 to understand Tendering & Bidding in Civil projects. Both faculty and students participated.



2. ICI student chapter opened in Civil Engineering Department. Technical Talks organised on the eve of Inauguration of ICI chapter on value added concrete and Geopolymer on 27-03-2019.



3. Geological field trip was organized to Doddabetahalli quarry section as a part of academic curriculum. 4th semester A & B section students attended the field trip on 09-04-2019 and 10-04-2019.



4. International Conference on Latest advancement and future trends in engineering was held on 03-05-2019 and 04-05-2019, faculty and students participated.
5. Graduation day has been organized to give Farewell to 8th semester students of Civil Engineering Department on 13-05-2019, faculty and students participated in the event.



Faculties pursuing Ph. D.:

1. Mr.Reddy Gokul T.S. : Thesis On Effect of water Quality on performance of Fly ash-based Geo-polymer mortars. Completed course work and waiting for comprehensive Viva.
2. Mr.Krishnamurthy G.R. : Thesis On Self Compacting concrete using light weight aggregate with superplasticizers. Waiting for results of course work.
3. Mrs.Shilpa B.R. : Thesis On Dynamic Analysis of 3D building frame considering of soil flexibility. Completed course work and waiting for comprehensive Viva.
4. Mrs.D.M.Suman : Thesis On Stabilization of rural roads using steel slag, copper slag & its composites. Completed course work and waiting for comprehensive Viva.
5. Mr.Kiran.S : Thesis On Comparision of different Nano based materials on strength & durability of High Performance Concrete. Completed course work and comprehensive Viva 50% of the work completed.

Achievements of Faculty / Students:

1. One batch of UG project of 8th semester was approved by the HRDD, ISTRAC, ISRO Bangalore to carry out the project work in their campus during Feb 2019 to April 2019.
2. Another UG project of 8th semester (2017-18 batch) titled “Study on E-waste (PCB Boards), bacterial concrete and strengthening of RCC beams by Wrapping technique” has got research excellence award in AMC college of Engineering, Bangalore.
3. The same project also won 1st prize at PRERANA 2017 on 22-23 Feb, 2019 at Geetham University, Bangalore. The project was guided by Mr. S.Kiran, Assistant professor, CED SaIT.
4. Token of Appreciation was given to the student who scored highest marks in Even Semester from the department



WORKSHOP/CONFERENCE**ATTENDED:**

1. Preethi.S and Chaya.S was deputed for 1day FDP on NBA Awareness & QUIKLRN enabled TRP at AMC Engineering College on 2nd march 2019.
2. Dr. U. B. Mallikarjun was invited as resource person in the FDP held at Senet Hall, VTU , Belagavi on 12th and 13th July 2019.
3. Parimala Sandilya was Deputed for Workshop on Sustainable Technology at VTU regional center Bangalore on 25-03-2019.
4. Suresh B. V, attended SDP for instructors at BMSIT, Bengaluru between 16th – 18th July 2019.

BASIC SCIENCE**Seminar/ Workshop/ Conference Attended-
Physics Department:**

Dr. Ritu Tomar participated in Reva Research Conclave 2019 on 23.05.2019.

Visiting Research Scholar:

Ranjitha K worked as visiting Research Scholar with Quantum Information and Quantum Simulations Group at the Institute of Mathematical Sciences, Chennai from 11th July to 20th July-2019.

Papers Presented in Conference:

1. WAXS Studies on Natural Fiber, Ranjitha.K, Gayathri G, Ritu Tomar, Matheus Poletto, Heitor L.Ornaghi Junior, V. Annadurai, R.Somashekar;

International Conference on Latest Advancement & Future Trends in Engineering, Science & Management (iclaftesm-2019) 3rd&4th May 2019 at Sambhram IT.

2. Estimation of Radius of gyration (R_g), correlation length (L) and invariant(Q) using SAXS methods, Gayathri.G,Ranjitha.K,Mahadevaiah, V.Annadurai,R.Somashekar;
International Conference on Latest Advancement & Future Trends in Engineering, Science & Managemnet (iclaftesm-2019)3rd &4th may 2019 at Sambhram IT.

PLACEMENTS

Final Year Placement Activity till 27.07.2019

(2018-19 Batch)

1. The highest package for this year is 6.78 LPA by Jaro Education.
2. SLK Software,3 Students selected, 2.82 LPA.
3. Terralogic Software Solutions Pvt Ltd,2 Students selected, 3.2 LPA.
4. Tata Consultancy Services Ltd, 8 students selected, 3.62 LPA.
5. Mphasis,5 Students selected, 2.52 LPA.
6. Syntellect,9 Students selected,3.1 LPA.
7. Armentum,35 Students selected, 2.4 LPA.
8. Virtusa,1 Student selected, 3.3 LPA.
9. Wipro,9 Students selected, 3.5 LPA.
10. Infosys,14 Students selected, 3.6 LPA.
11. Forex and the Forest,15 Students selected, 6 LPA.
12. L & T Infotech,1 Student selected, 3.3 LPA.
13. Accord Software and Systems Pvt Ltd, 1 Student selected, 3.6 LPA.
14. Advanced Business and Healthcare Solution India Private Limited, 2 student selected, 3.75 LPA.
15. Mindtree,1 student selected,3.5 LPA.
16. QSpiders,13 students selected,2.5 LPA.
17. NTT DATA,5 students selects,3 LPA.
18. IBM,3 students selected,3.88 LPA.
19. Atos Syntel,1 student selected,3.10 LPA.
20. M/s Vruksha Technologies, 9 students selected,2 LPA.
21. Dell EMC,1 student selected,5.3 LPA.
22. Equip,1 student selected,3.2 LPA.
23. Volante, 1 student selected, 2.04 LPA.
24. Cognizant, 3 students selected, 3.38 LPA.
25. Jaro Education, 1 student selected, 6.78 LPA.
26. Amazon, 1 student selected, 2.99 LPA.
27. Cigniti Technologies Pvt Ltd, 2 students selected, 3.2 LPA.
28. Torero and The Forest, 9 students selected, 4 LPA.
29. Access6 Technologies, 1 student selected, 2.40 LPA.
30. NSOFT, 1 student selected, 3 LPA.
31. ETA Softek Private Ltd, 1 student selected, 2.8 LPA.
32. In Time Tec Visionsoft Pvt Ltd, 1 student selected, 3.5 LPA.

NSS ACTIVITIES

Presentation on the “Awareness on bursting of crackers” at the nearest Government School as an outreach Activity.



Awareness meet on the “Martyr’s day” and its importance explained to students.



Leaflet distribution by final year students on the “Drawback of fire crackers and sound pollution”.



Rain Water harvesting unit dedicated to the government School at Bettahalli, Dr.Vidyashankar, Vice Chancellor, KSOU, Mysuru, Dr.H.G.Chandrakanth, Principal SaIT, Dr.A.Sathyanarayanawamy, Professor and Head, Department of Mech.Engg, Dr.B B Manjunath, NSS Officer and Prof Seetharamaiah.

