





# SRI SIDDHARTHA ACADEMY OF HIGHER EDUCATION, TUMKUR Sri Siddhartha Institute of Technology

Maralur, Tumkur - 572 105.

# ALUMNI ASSOCIATION

Ph: +91-0816 - 220 0314, 220 1073 (O)

AA/ VOL 19/No 1, 2019

LETTER

Fax: +91-0816-2200270, 2200999 (For Private Circulation Only)

## Principal Desk



## Dear Alumni.

It gives me immense pleasure to place before you this year edition of our news letter 'Sethu-Bandha', engraved well in all its useful contents in true colors and grandeur. I firmly hope that you would receive it with ecstasy.

'Sethu-Bandha' is the annual Alumni-Meet arranged at the parent institution, the SSIT-Tumkur, mainly to provide a nice platform for our proud alumni to exchange their pleasantries, meet their beloved teachers and young enthusiastic students. The alumni would be addressing our students by giving valuable advice to successfully pursue their career, amidst all the new competitions and technological challenges faced by them.

I acknowledge with utmost satisfaction the various achievements and accolades received by the vast majority of our proud alumni since 1984, both in our country and abroad, I am happy to figureant the great efforts made by our alumni friends in organizing the recently concluded 'ASSET' alumni meet at Dubai.

The institutions would be very happy to have you all here each year, during 'Sethu-Bandha', which would expectedly pave way for a sort of "giving back to the Alma-mater" by our top-notch alumni friends.

I extend a warm welcome to all my alumni members to "Sethu-Bandha", whom we consider as our pillars of strength and brand ambassadors of our institution. I wish that you would find this news letter worth browsing through for a while.

- Dr. M.S. Raviprakasha

Dear Alumni,

It is our honour to invite you and your family for the 19<sup>th</sup> Alumni Meet to be held on 8<sup>th</sup> December 2019 (Second Sunday). It gives immense pleasure for us if you could make your elegant presence on this occasion. This may be treated as a special invitation for the **Alumni who joined our Institution in the year 1995**, as they are in their 25<sup>th</sup> year of journey with our Institution.

The Alumni Meet 2019 is scheduled in the morning session. It commences with Registration & Breakfast at 09:00 AM and ends with Lunch at 02:00 PM. Kindly register and update your personal

Kindly confirm your participation through:

information in www.ssit.edu.in/alumni.html

Email: <a href="mailto:ssitalumni@gmail.com">ssitalumni@gmail.com</a> Phone: 9844782445, 9886555985, 8971417167

NOTTATION

- 1. Dr. M.S. Raviprakasha taken charge as Principal from 09-09-2019.
- 2. Dr. B. P. Mallikarjunswamy taken charge as Head, Department of Mathematics from 28-08-2019

With warm regards



Dr. Renukalatha S
Dept. of CSE
Research Area: Medical Image Processing
University: VTU, Belgaum



Dr. H.S. Annapurna Dept. of CSE Research Area : Wireless Sensor Network University : SSAHE, Tumakuru



Dr. S.R. Sujatha Dept. of CSE Research Area : Wireless Sensor Network University : SSAHE, Tumakuru



Dr. Raviram V
Dept. of CSE
Research Area: Vehicular Adhoc Networks
University: VTU, Belgaum



Dr. Manjunath B.H
Dept. of CSE
Research Area: Natural Language Processing
University: VTU, Belgaum



Dr. Ravindra Sagar C S Dept. of Mech Research Area : Materials Science University : VTU, Belgaum



Dr. Manjunath B. H Dept. of Civil Research Area: Rigid Pavement University: VTU, Belgaum



Dr. Suma R
Dept. of ISE
Research Area: Mobile Adhoc Network
University: VTU, Belgaum



Dr. Chandrashekhar M.C Dept. of ECE Research Area: VLSI University: VTU, Belgaum



Dr. Vinutha C.B
Dept. of ECE
Research Area: Wireless Sensor Network
University: VTU, Belgaum



Dr.Anitha Devi M. D Dept. of ECE Research Area: Cryptography University: SSAHE, Tumakuru



Dr. Chidananda Mruthy M.V Dept. of ECE Research Area: Image Processing University: VTU, Belgaum



Dr. Guruprasad S
Dept. of ML
Research Area: Medical Image Processing
University: VTU, Belgaum



Dr. Raju A S Dept. of ML Research Area : Biometrics University : VTU, Belgaum



Dr. Suma
Dept. of TCE
Research Are

Research Area: Mobile Sensor Networks University: SSAHE, Tumakuru



Dr. Savitha D Torvi
Dept. of TCE
Research Area: Cryptography
University: SSAHE, Tumakuru



Dr. Srinidi G A
Dept. of TCE
Research Area: Cryptography
University: SSAHE, Tumakuru



#### **Basic Science**

#### **Department of Mathematics**

- Dr. Venkanagouda M Goudar and Shobha have published research paper entitled, "Edge Geodetic Parameters of some special Graphs" in International Journal of applied Engineering Research, Vol.14, No.7, 1744-1749, 2019.
- Dr. Venkanagouda M Goudar and Bhavyavenu K L have published research paper entitled, "Geodetic Parameters on Switching of a Graph" in International Journal of Applied Engineering Research, Vol.14, 1750-1757, 2019.

**Department of Chemistry** 

- Dr. K Sunil, had delivered an Expert lecture on "Recent Trends in Engineering Plastics" in Faculty Development Programme "Advanced Materials for Science and Engineering (AMSE-2019)" on 28th Jan 2nd Feb, 2019 held at MSRIT, Bangalore.
- Dr. H V Jayaprakash had published research paper entitled, "Stress Corrosion Studies of Aluminium 6061/Glass Fiber Metal Matrix Composites in Sodium Chloride solutions" in Journal of Applied Science and Computations (JASC). Impact Factor: 5.8, Vol:VI, Issue no: III,pp-492-495, March-2019.
- Dr. HV Jayaprakash had published research paper entitled, "Synthesis, Characterization of some Transition Metal complexes derived from 4-bromo-benzaldehyde, 2-furoichydrazide with metal salts" in International Journal of Scientific Research and Review (IJSRR). Impact Factor: 6.1, Vol:8, Issue no: 3,pp-627-630, March-2019.

**Department of Physics** 

- Dr. M. S. Rudresha had published research paper entitled, "Investigations of structural, optical and electrical properties of Cu<sub>2+</sub> doped Y<sub>2</sub>O<sub>3</sub> nano sheets", in International journal of chemical Physics letters, 728, pp 57-61, 2019.
- Dr. M. Nagaraja has Published research paper entitled, "Energy Optimal and High Performance Clustering for Non-Uniform, Heterogeneous Wireless Sensor Networks", in IOSR Journal of Electronics and Communication Engineering, Vol.14, Issue-1, pp.41-54, 2019.
- Mr. Manjunath C has Published research paper entitled, "Optical transition probabilities of white light emitting Sr<sub>2</sub>SiO<sub>4</sub>:Dy<sub>3+</sub> nano phosphors for lighting applications using Judd-Ofelt analysis", in International journal of Luminescence, V 211, p 437-445, 2019.
- Mrs. Sushma Prashanth and Dr. M. Nagaraja presented research paper entitled, "A Study on Synthesis and Characterization of Polymer/ZnO Nanocomposites", in International Conference on Nanotechnology, conducted by Srinivas University, Mangalore, held on 18<sup>th</sup> & 19<sup>th</sup> October, 2019.

#### **Department of Civil Engineering**

- Extensive survey camp was held at Tumakuru for  $6^{th}$  semester B.E civil students from  $4^{th}$  to  $9^{th}$  January 2019.
- A invited talk was delivered by Dr. Rajanaik D on "Sant Sevalal Jayanthi" organized by Kannada and Culture Department, Tumakuru, Government of Karnataka.
- A seminar on "Career Opportunity after GATE examination" by Venkateshwara Reddy K, Asst. Manager, VANI Institute, Bangalore was organized for 6<sup>th</sup> sem students on 13<sup>th</sup> March 2019.
- A seminar on "Performance Based Analysis Using ETAB" was organized on 13<sup>th</sup> March 2019 in association with CAD centre.
- Dr. D Rajanaik has delivered an invited talk on "Contribution of Mahatma Gandhi and Dr.B R Ambedkar" in Integrated NSS camp at Kunigal on 19<sup>th</sup> March 2019.
- Final year project entitled "Geopolymer concrete for Rigid pavements with polypropylene fibers" guided by Dr. B H Manjunath has got sponsorship from KSCST. The proejct was selected for state level seminar and exhibition in the month of July 2019.

- Prof. Guruprasad T N has delivered expert lecture on "Scope of Civil Engineering" during orientation programme of 1<sup>st</sup> year students at Siddaganga Polytechnic, Tumakuru on 10<sup>th</sup> July 2019.
- SSIT-CIVIL Journal Club was inaugurated on 18th September 2019.
- Ms. Revathi S V 3<sup>rd</sup> Semester B.E Civil Engineering has participated and qualified for 1<sup>st</sup> level in DST and TEXAS instruments India innovative challenge design contest 2019 powered by AICTE.
- Department of Civil engineering has entered MoU with "Engineers Association Tumakuru" and "Prayojana Construction Management Training Institute, Bengaluru" in this year.
- Faculties of the department have published 3 papers in International journals and presented 3 papers in conferences.

#### **Department of Computer Science and Engineering**

- Department has entered MoU with "Whiteapron Health station Pvt. Ltd", Bengaluru on 3<sup>rd</sup> October 2019.
- A talk by Mrs. Sahana Kumarswamy, Infosys was organized on 3<sup>rd</sup> October 2019 for 5<sup>th</sup> semester students.
- A Webinar on "Next steps, plans & offerings" by Infosys was held on 30<sup>th</sup> September 2019 for 5<sup>th</sup> semester students.
- Department faculties have published 8 papers in international journals and presented a paper in conference.

#### **Department of Industrial Engineering and Management**

- IEM Students' Association "Yanthrik-2019" was organized on 25<sup>th</sup> March 2019. Mr. Girish Babu, Founder and Chief Mentor, GUTS Mechademy, Bangalore was the chief guest for the inauguration. There was an auto exhibition, technical competitions and cultural program.
- The department organized an Industrial Visit on October 2019 for V sem students to Karanth 10X CNC, Tumkur, JEC Industries, Tarikere and Varahi power plant, Udupi and Utopia cashew cluster, Kumta, Karnataka.
- The department organized an Industrial Visit on September 2019 for III sem students to Fitwell tools and forging, Tumakuru.

#### Department of Medical Electronics Engineering

- Prof. Ashwini. K had published a paper titled "Wearable Heart Attack Detector" in the International Journal of Engineering research and Technology IJERT in 2018.
- Prof. Ashwini. K had published a paper titled "A smart Sensitive Wheel Chair for Physically Challenged" in the International Journal of Engineering research and Technology IJERT in 2018.
- Three days workshop on Python was organized in March 2019.
- A talk on "Clinical Data Analytics" was organized in May 2019.

## **Department Electronics and Communication Engineering**

- One day workshop on "MATLAB Graphical User Interface Design for Image Processing Applications" was organized on 9<sup>th</sup> September 2019. Dr. Chidananda Murthy M V was the resource person.
- Two days' workshop on "Hackthon on Ethical Hacking" was organized on September 2019.
- Three days workshop on "Internet of Things" was organized on April 2019.
- A talk on "Career Opportunities after graduation through competitive exams" was organized on March 2019.
- A seminar on "Design and Analysis of Image Super Resolution Techniques" was organized on 18<sup>th</sup> February 2019.
- Department faculty members have published 5 papers in international journals and presented 4 papers in conferences.
- Projects "Heavy Vehicles Alert and Intimation for Traffic Police using GSM" and "Natural Gas Pipeline Monitoring and Control System" are selected for the sponsorship by Karnataka State Council for Science and Technology (KSCST), Bangalore.

## ISTE-SSIT Chapter

■ "Engineers' and Teachers' day celebrations" was organized on 16<sup>th</sup> September 2019 by ISTE-SSIT Chapter.

#### **Department of Electrical and Electronics Engineering**

- 28<sup>th</sup> May 2018 to 15<sup>th</sup> June 2018, Personality development programme was conducted for the 6<sup>th</sup>sem students by the different experts in the area of psychological analysis of self, Cracking of Aptitude test, Communication and Programming skills.
- Teachers Day & Engineers Day was celebrated on 15<sup>th</sup> September 2018. Dr.U.J.Shenoy from IISC was the Guest of Honor for this day.
- Power Plant visit to Varahi was organized on 22<sup>nd</sup> to 24<sup>th</sup> September 2018 for 3<sup>rd</sup> Semester Students, as it is compulsory visit to fulfill the course on Electric Power Generation.
- Solar and Hydro Power Plant visit to shimsha and hydro power plant at Boruka power plant in shimsha was organized on 28<sup>th</sup> September 2018 for 5<sup>th</sup> Semester Students, as it is the compulsory visit to fulfill the course on open elective Fundamentals of Renewable Energy Sources.
- A talk on Entrepreneurship Awareness Programme was organized for Final year and Pre final year Students, in association with IE (I) chapter on 5<sup>th</sup> September 2018. Dr. L. Sanjeev Kumar, Professor and Head Department of Electrical and Electronics Engineering and Dr. B.S. Ravikiran, Professor, Department of Industrial Engineering and Management, SSIT, Tumakuru Presented lecture on the awareness of Entrepreneurship to students.
- One day workshop on "Mental wellness for students" was conducted on 19<sup>th</sup> Jan. 2019 in association with IE(I) Students Chapter. Mrs. Brindala Mallappa Ananthram, President &COO, Ion Idea Inc, Bangalore addressed the students regarding Mental & Physical well being.
- Technical talk on "Variable Speed Drives" was conducted on 28<sup>th</sup> January 2019, in association with IE(I) Students Chapter. Mr.Shiva Mariguddi, Administration Manager, NIDEC, Australia addressed the students on VSD basics & industrial applications.
- Technical talk on "Technology Trends and Intellectual Property" by Dr.S.K.Murthy, Director IntelIndia, Bangalore in association with IE(I) Students Chapter on 11/02/2019.
- EEE students participated in State Level Student Project Exhibition "Jnana Vijnana Tantrajna Mela-2019" on 19<sup>th</sup> & 20<sup>th</sup> Feb.2019 held at BGSIT, Adichunchanagiri University, BG Nagar.
- Solar Powered Automatic Grass Cutter" by Mahidul Hussain, Shubham Kumar & Aryan Raj guided by Prof.Nataraja.C and won 1st Prize in Technodia-2K19.
- Technical talk by Alumni Er. Gowrishankar, Scientist, ISRO, Bangalore was conducted on 27<sup>th</sup> April 2019.

#### Department of Mechanical Engineering

- The department has entered into a **MoU** with Karnataka Small Scale Industries Association **(KASSIA)** and with Ace Micromatics Machine Tools Pvt. Ltd., Bangalore during 2017, for promotion of industry-institute interaction, student internship programmes, student projects and consultancy activities etc.
- One day workshop on" **Geometric Dimensioning & Tolerancing**", for students of prefinal and final year BE, with support from CADD Centre, Tumkur on 28-02-2019.
- A Technical Talk on "Solid Modelling using CATIA-V5" with support from EDUCADD, Tumkur, on 25-10-2019 for students of II year BE (Mech & IEM)
- Mr. Puneeth K, Asst. Prof., had organised a 10 days YOGA camp at Leh, Ladakh, J&K during the period of April-May 2019.
- Dr. Batluri Tilak Chandra, Asst. Prof. has been given a certificate of appreciation from RLJIT, Doddaballapura for delivering a technical talk on "Evolution in Engineering Arena" on 18-02-2019. He has also 1 scopus indexed journal paper in Elsevier publications.
- Six Industry visits have been arranged for the students of our branch, details of which are given below,
  - ▶ ACE designers for I year students on 3<sup>rd</sup> February 2019.
  - Fitwell Tools & Forgings for II year students on 18th September 2019.
  - ▶ Tumkur Precision Works & Global Fine Punch for I & II year students on 13<sup>th</sup> February 2019.
  - ▶ Raichur Thermal Plant for II year students on 23<sup>rd</sup> March 2019.
  - **LM WIND** for students of III year on 3<sup>rd</sup> April 2019.
  - ▶ Toyota Kirloskar Motors Ltd., for II year students on 12<sup>th</sup> June 2019.

#### **Department of Information Science & Engineering**

- Memorandum of Understanding (MoU) is enterede Flow Gurukul Solutions Pvt Ltd, Bengaluru and Samartha InfoSolutions Pvt Ltd, Bengaluru for Students Placements and Trainings, Internships, workshops and Project works
- Prof. Chethan B Khas presented a research paper titled "Comparative Study on Approaches to Mobile Agents Security from Malicious Hosts in Mobile Adhoc Networks" in **2nd international conference on recent multidisciplinary research (icrmr-2018)** on 23<sup>rd</sup> and 24<sup>th</sup> November 2018 at Asian Institute of Technology Conference Center, **PathumThani**, **Thailand**.
- Prof A N Naveen Kumar conducted a Workshop on "Java Servlets" for ISTE Student chapter "ABHIMAAN" at Aryabharathi Polytechnic, Tumakuru for Diploma Computer Science & Engineering Students on 21-10-2019.
- Faculty members have published more than 10 research papers in national and international conferences and Journals.
- Mr. Narahari B S has conducted a workshop on **Computer Awareness** for M.Sc Students in Siddhartha Institute of Mass Media on 03-10-19.
- A talk on "**How to get placed**" has been organized to create awareness for 5<sup>th</sup> semester students on the preparation needed for campus placement" by **Ms. Meenashi** Final year student on 03-10-2019.

#### **Department of Telecommunication Engineering**

- Filed for 2 Patents related on Cognitive Radio by Dr K B ShivaKumar, HOD, TCE and our own alumni Mr. Sundar, Scientist, Samsung India, B'lore.
- K B ShivaKumar, Saba Naaz, Rupam Das, have published on "A Novel Distributed Multimodality Interaction Framework for Augmented Reality Objects Using Internet of Things," Journal of Innovation in Computer Science and Engineering, Vol. 9(1), July 2019.
- Anitha Devi M D, Dr. K B ShivaKumar, have published "Secured Reversible Color Image Data Hiding Technique Using Image Classifiers and Lempel-Ziv-Welch Image Compression Technique" International Journal of Engineering & Technology(IJET)(UAE),/ Jan 2019.
- Laxmi gulappagol, Dr. K B ShivaKumar, have published "Secured Video Steganography in DWT-DCT Domains Based on Multiple Object Tracking using H.264 Algorithm", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Jan 2019.
- Savita D Torvi ,K B Shivakumar, have published "Hybrid Steganography System Using Interpolation and LSB" International Journal of Engineering Science Invention (IJESI), ISSN (Online): 2319 6734, ISSN (Print): 2319 6726, Volume 7 Issue 7 Ver IV ,July 2018 ,PP 74-81. (UGC)
- Savita D Torvi, K B Shivakumar, have published "Low Complexity Secure Steganography system using bilinear interpolation and LSB" International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume 7 Issue 652, page no.762-772 April 2019. SCOPUS.
- Jeevith.S.H,Lakshmikanth.S, "Design of Class ARF amplifier for S-Band",ICETSE-2019,pp.104-112.

## NCC(National Cadet Crops)

- EBSB Camp -2019 at Toranagallu, Bellary from 17/01/2019 to 28/01/2019.
- Army Attachment camp (ATC-19) held at Secunderabad, Andhra Pradesh from 14/04/2019 to 25/04/2019.
- Basic Leader ship camp at Mysore from 5/06/2019 to 14/06/2019.
- Combined Annual Training Camp(CATC-III) held at NCC Bn, S.S.Circle, Tumakuru from 12/08/2019 to 21/08/2019.
- Trekking at Ramdevra betta, Tumkur on 22/09/2019.



Weapon training was held at 1 EME CENTRE (SECUNDERABAD) from 14 APR TO 25 APR 2019

#### **Master of Computer Applications**

- Dr. M.C.Supriya have published a paper, "Development of a Methodology for Software Small and Medium Scale Industries in the Selection of Suitable Lean Six Sigma Tools, in the Journal of Applied Science and Computations Volume 06, Issue 2, 2019.
- Mrs. Pushpalatha.K.R have published a paper, "Mobile App for Grading of peanut using fuzzy inference system", in the International journal of Engineering and Advanced Technology Volume 9, Issue 1, October-2019.
- Mrs. Asha.K.R and Dr. M.C Supriya have published a paper," Survey on Transfaulty Behaviour of Nodes in Wireless Sensor Networks", in the International journal of Computer Science and Engineering, Volume 7, Special issues-13, May 2019.
- Mrs. Asha.K.R have published a paper," Energy Efficient and Secured Key Based Management in Area Monitored by WSN", in the International Journal of Innovative Technology and Exploring Engineering (IJITEE) Volume 8, 10S, August 2019.
- Faculty members and students, attended the workshop conducted on "Quality assurance, Professional ethics and Social concern in Engineering domain" on 31 October 2019 by IQAC, SSIT, Tumkur.

#### **NSS (National Service Scheme) Activities**

- Green Day Celebrated (planting of 100 tree saplings by first year students) on 10/08/2019.
- Swachcha Bharat Abhiyan was organized to create awareness about cleanliness of our environment at Sri Adishakthi Maaramma Temple, Hethenahalli, (Tumkur Taluk) on 24/08/2019.
- International Yoga Day celebration on 21/06/2019.
- Fit India Movement Trekking to Swadenahalli Hill was organized on 21/09/2019.
- National Integration Camp was organized form 18/03/2019 to 24/03/2019.
- NSS Golden Jubilee Celebrations on 03/10/2019.

#### ISTE Student Chapter

- One Day Workshop on "Geometric Dimensioning and Tolerancing" was organized on 28/02/2019.
- Two Days Workshop on "Web Development" was organized on 08/02/2019 and 09/02/2019.
- A Seminar on "Intellectual Property Rights (IPR)" was organized on 11/02/2019.
- A Two days National Level Student Technical Symposium "TANTRA 2019" was organized on 22/03/2019 and 23/03/2019
- A aptitude "TESTAPTITHON 4.0" was organized on 21/08/2019.
- An industrial visit to "Shimsha Solar Pv Plant, Shimshapur, Mandya Distict and Bhoruka Power Corporation Limited" was arranged on 14/09/2019.
- Atwo days workshop on "Internet Of Things (IOT)" on 25/09/2019 and 26/09/2019
- A technical talk on "SOLID MODELING USING CATIA V5 SOFTWARE" was organized on 25/09/2019 and 26/09/2019.

## **Training & Placement**

- Three days training program for pre-final year students about Soft skills development and aptitude by FACE and ETHNUS.
- Five days TCS Specific Training Program for Final year Students by FACE.
- Four days training program for final year students about Aptitude & Soft Skills by ROOKIES WORLD.
- A talk on "Computer vision in Industry" for 6th Sem Students by Mr. Apurba Das, TCS
- Two days Academic Interface Program on Artificial Intelligence, Agile &Scrum, Computer Vision, Data Analytics etc. for Faculty of Computer Science, Electronics & Communication & Information Science.
- Ten Days Training program for final year students about Aptitude, Soft Skills, Language & Technical Skills by ETHNUS and SMART.





- A technical talk on "Power Of Internship" was organized on 3<sup>rd</sup> August 2019.
- A two day's workshop on "Basic Electronics" was organized on 5<sup>th</sup> and 6<sup>th</sup> October 2019.
- An Industry visit to "INCAP Pvt Ltd" was organized on 17<sup>th</sup> November 2019.
- Mock placement was organised on 25<sup>th</sup> January 2019. There were 4 rounds (aptitudetest, group discussion, technical and HR round) with 3 individual domains (IT, EC and Mechanical).
- Two Day's National Level Student Technical Symposium "Saamarthya" was organized on 15th & 16th Feb. 2019.
- IEEE Technical magazine "ENQUESTA" was released during "SAAMARTHYA".
- Two Day's Hackathon on "Ethical Hacking" was conducted on 12<sup>th</sup> and 13<sup>th</sup> September 2019. The participants were taught the importance and basic requirements of Cyber security.
- IEEE Day was celebrated on 2<sup>nd</sup> October 2019 with the Differently Abled primary school students in order to make them Happy by making them play few Games and to create Awarness on Technologies by demonstrating of our mini and healthy projects.

## Office Bearers



Dr. Guruprkash C D
Vice President



**Prof. Pradeep M**Secretary & Treasurer



Prof. Nirmala .G

Joint Secretary



**Cultural Activities** 



On the Spot Painting Competition - 2019



Technodia - 2019



Kalothsava -19



Yoga Day - 2019



SSIT-IEEE



Alumni Meet - 2018



Sports Day



Kannada Rajothsava