



SRI SIDDHARTHA ACADEMY OF HIGHER EDUCATION, TUMAKURU
Sri Siddhartha Institute of Technology
 Maralur, Tumakuru - 572 105.

ALUMNI ASSOCIATION



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NEWS LETTER

(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.

The institution 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.

With warm regards

- Dr. M.S. Raviprakasha
Principal

INVITATION

Dear Alumni,

It is our honour to invite you and your family for the **Alumni Meet-2022 to be held on 11th December 2022 (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 1998, as they are in their 25th year of journey with our Institution.**

The Alumni Meet 2022 is scheduled in the morning session. It commences with Registration & Breakfast at 09:00 AM and ends with Lunch at 02:00PM.

Kindly confirm your participation through:

Kindly register and update your personal information in www.ssit.edu.in/alumni.html

Email: ssitalumni@gmail.com

Phone: 9740211847, 9886555985, 7022726578

Alumni Contributions

Alumni Contributions (Awards & Scholarships)

1. Alumni of 1979-84 Batch (Civil and Mechanical) are sponsoring two Academic excellence awards for the toppers of Civil & Mechanical engineering branch every year.
2. "Dr M Rajaram Scholarship" to the topper of IEM department in the name of Late Dr. Rajaram M, Alumnus of Department of Industrial Engineering and Management from the interest generated from Rs 24100/- deposited in SSIT principal account by his father Dr Y Munivenkata Reddy (Former Principal, SSIT, Tumakuru).

3. **Mr Sanjeev Narayana Rao** Alumnus of Electrical & Electronics Engineering department is sponsoring “**Dr B Rajesh Kamath Gold medal award**” and “**Dr K L Ratnakar Gold medal award**” for the Two toppers of the branch and scholarship of Rs15,000/- each for two girl students of the college every year.
4. **Mr. Harish** has sponsored scholarship for two girl students of E&EE department, worth ₹25000/- each in the name of his wife **Late Poornima** (Alumnus of EE department).
5. **Sri Chandrashekar Belagur**, who is presently working as Finance Manager, WALMART LABS Ltd., USA, and our proud alumnus of 1995-1999 academic batch has announced cash awards sponsored in the name of his parents, **Smt. Pushpavathi & Sri Siddaramappa**, of Rs. 5000/- each to be given to six deserving candidates of final year BE(Mech) students with due consideration to their academic/extracurricular performance and their financial needs.
6. **Mrs. Amruth Kumar**, Alumnus of 1997 batch Mechanical Engineering has sponsored Rs.10000/- for felicitating bright students of Mechanical Engineering.



Dr. S R Ramesh
Area of Research:
 Concrete Technology
University:
 Sri Siddhartha Academy
 of Higher Education



Dr. Shilpa G N
Area of Research:
 Power Systems
University:
 Sri Siddhartha Academy
 of Higher Education



Dr. Sumana L
Area of Research:
 Microwave Antennas
University:
 Anna University

Companies Visiting us for Campus Recruitment



Department of Mathematics

- Dr Venkanagouda M Goudar** has published following research papers

 - a) Non split domination number in vertex semi-middle graph , in International Journal of Statistics and Applied Mathematics 2022; 7(4): 105-109.
 - b) SPLIT DOMINATION NUMBER IN EDGE SEMI-MIDDLE GRAPH, in Pan-American Journal of Mathematics 1 (2022), 13.
 - c) Split Domination Number in Vertex Semi-Middle Graph, in International Journal of Mathematics Trends and Technology Volume 68 Issue 4, 18-22, April 2022.
 - d) GEODETIC PARAMETERS OF SOME SPECIAL GRAPHS , in Advances and Applications in Mathematical Sciences Volume 21, Issue 9, July 2022, Pages 5405-5416.
 - e) Edge Semi Middle Domination in Graphs , in Journal of Mathematics and Statistics Research Volume 4 Issue 2 2022.
- Dr Venkanagouda M Goudar ,Dr Tejaswini K.M., Dr Venkatesh S. H.,Dr Rajani C.B., Dr Shoba** participated in the five days Faculty Development Programme on Mathematics for Data Science. From 9th May to 13th May 2022 at Acharya Institute of Technology.

Department of Chemistry

Dr K Sunil and his research team, published 06 research articles in international reputed Scopus and Web of Science indexed journals and presented 03 papers in conferences. The list are mentioned below :

- 1 Chand Pasha, **K. Sunil**, K. Stancheva, Crystal Violet – A New Reagent Used for the Spectrophotometric Determination of Vanadium. **Oxidation Communications**, 2022, 45, 3, 503–513
- 2 A Babu, M.N. Joy, **K. Sunil**, A. M. Sajith, S. Santra, G. V. Zyryanov, O. A. Konovalova, I I Butorin and K Muniraju. Towards novel tacrine analogues: Pd(dppf)Cl₂.CH₂Cl₂ catalyzed improved synthesis, in Silico docking and hepatotoxicity studies. **Royal Society of Chemistry Advances' RSC Adv.**, 2022, 12, 22476.
- 3 P. S. Pradeep Kumar, **K. Sunil**, B. S. Chethan, N. K. Lokanath, N. Madan & A. M. Sajith. Synthesis, characterisation, biological and theoretical studies of novel pyridine derivatives. **Molecular Physics** 2022, 120, 13 e2093283
- 4 Prashanth, S., Nagaraja, M., Mokshanatha, P.B., ...Manohara, S.R., **Sunil, K.** Structural, electrical and dielectric properties of chitosan/polyaniline/vanadium-pentoxide hybrid nanocomposites Journal of Molecular Structure, 2022, 1267, 133600
- 5 Rajendra, M.A., Naseem, M., Joy, M.N., **Sunil, K.** Alshammari, M.B., Haridas, K.R. Application of NMI-TfCl-mediated amide bond formation in the synthesis of biologically relevant oxadiazole derivatives employing less basic (hetero)aryl amines. *Molecular Diversity*, 2022, 26, (3), 1761–1767

■ **Dr H V Jayaprakash** published 03 research articles in international reputed Scopus and Web of Science indexed journals. The list is mentioned below :

1. Pavan Balappa Bagali, N. I. Haroon Rashid, Essam A. Al-Ammar, C. Srinivas, **H. V. Jayaprakash**, J. D. Venkatesh, Sohail M. A. K. Mohammed, Melvin Victor De Poures, and Nahom Adugna Examine the Mechanical Properties of Aluminium Tetrahydride/ Calotropis gigantea Based Hybrid Polyester Composites in Cryogenic Atmosphere. Wiley /Hindawi. *Advances in Polymer Technology* Volume 2022, Article ID 9164777, 7 pages <https://doi.org/10.1155/2022/9164777>. Scopus indexed journal with impact factor 2.502.
2. Praveenakumara K.V, **Jayaprakash H. V.**, Sanjay.S.S., A Prospective review on the Analytical methods of Sartan group of drugs. *International Journal of Biology, Pharmacy and allied sciences (IJBPAS)*, ISSN-2277-4998, Vol. 10, Issue-12, pp-508–523, Dec-2021. www.ijbpas.com, <https://doi.org/10.31032/IJBPAS/10.12.2046>. Scopus indexed with impact factor 0.667.
3. Praveenakumar K.V and **H.V.Jayaprakash** , Analytical cleaning Verification and method validation of Valsartan By HPLC Method. *Keramische Zeitschrift Journal* ,Volume 6 (9), Publisher: Springer Nature , ISSN :0023-0561, Citation Score:-0.2.pp-155-161. Paper ID:KZJ/2276. Published Date:Sept-2022.

Awards and Recognitions

Avishkar Achievers Award-2022, Solapur. National Outstanding Scientist Award in field of Scientific Research, Certificate No.294, on 05-09-2022.

Department of Physics

Dr M S Rudresha, Prof & Head, Department of Physics has received “**International Best Researcher Award – 2022**” from ISSN International Science and Technology Awards and Congress (IISTAC – 2022) in association with world Research Council for his research article on “**Color tunable SrZrO₃: Sm³⁺ nanopowders with satisfactory photoluminescent, band Engineering properties for warm white LEDs and advanced forensic applications**” on 14-08-2022.

Publications:

1. **Dr M S Rudresha**, “Color tunable SrZrO₃: Sm³⁺ nanopowders with satisfactory photoluminescent, band engineering properties for warm white LEDs and advanced forensic applications”, *Journal of Molecular Structure*, April-2022. ISSN: 0022-2860 <https://doi.org/10.1016/j.molstruc.2021.132302>
2. **Dr. M. Nagaraja**, Rare earth (Dy³⁺-ion) induced near white light emission in sodium-zinc-borate glasses. *Results in Optics*, 9 (2022) 100275. ISSN: 2666-9531. <https://doi.org/10.1016/j.rio.2022.100275>. July 2022
3. **Sushma Prashanth. Dr. M. Nagaraja**, Structural, electrical and dielectric properties of chitosan/polyaniline/vanadium-pentoxide hybrid nanocomposites, *Journal of Molecular Structure* 1267 (June-2022) 133600. ISSN: 0022-2860. <https://doi.org/10.1016/j.molstruc.2022.133600>. ISSN: 0022-2860
4. **Dr. M. Nagaraja, Sushma Prashanth**, Polyaniline-CuO Nanocomposite: Electrical, Structural and Sensor Properties, *Materials Today: Proceedings*, Volume 49, Part 5, 2022, Pages 1989-1992. DOI: <https://doi.org/10.1016/j.matpr.2021.08.154>

5. **Dr. M. Nagaraja**, Spectroscopic studies of transition metal ion-doped borate glasses for optical applications, *Materials Today: Proceedings*, Volume 49, Part 5, 2022, Pages 1875-1879. DOI: <https://doi.org/10.1016/j.matpr.2021.08.075>.
6. **Dr. M. Nagaraja, Prashanth Sushma**, Synthesis, Structural, Morphological and I-V Characteristics of Polyaniline-MgCl Composite, *Material Science Forum*, Jan- 2022. Vol. 1048, pp 141-146. ISSN: 1662-9752, DOI: <https://doi.org/10.4028/www.scientific.net/msf.1048.141>.

Department of Civil Engineering

FDP, Technical talks, Technical visits

- Final year students (7th Sem A and B sections) about 60 members visited ACE Tech Asia's Largest Architecture Building Materials and Design Exhibition, BIEC, Bengaluru on 14.10.2022
- Civil Department faculty and students visited the Space on Wheels Expo organized by IEEE, SSIT on IEEE day – 2022 (SSIT IEEE SB & WIE) on the theme “Leveraging Science and Technology for Better Tomorrow” on 14.10.2022
- On account of World Environment Day 2022 on the theme “only one earth”, Civil Engineering Department in association with Internal Quality Assurance Cell organized a talk by Dr. H B Aravinda Principal, BIET, Davanagere at MBA seminar hall, SSIT campus, Tumakuru on 09.06.2022
- Students of 6th Sem A & B sections along with few staffs have visited Tumkur Smart City projects (Government Bus Stand), Tumakuru on 10.06.2022.
- NIRMAAN 2022 – branch fest was organized by Civil Engineering Department on 20.06.2022 coordinated by G D Shivaraju
- A Technical talk on Burj Khalifa, Dubai was organized by Civil Engineering Department on 21st June 2022 (Monday) at 03.30 PM, MBA seminar hall, SSIT Campus, Tumakuru by Dr. Rajendra Prasad D S, Quality Control Manager, AZMEEL, Soudi Arabia.

Research papers published by the faculties:

- N Muralidhar, J V Praveen “Mechanical characterization of areca fine fiber fabric (AFFF) reinforced epoxy composites”. *Material Today proceedings*, July 2022.
- N Muralidhar, J V Praveen “Study on areca nut husk fine fiber fabric reinforced composites panels under dynamic loading conditions” *Material Today proceedings*, July 2022.
- AR Pradeep Dr C Rangaraj presented paper on “Infilled steel frames subjected to Seismic Loads” at International conference on Mechanics Materials Structures ICMMS 2022 organized by National Institute of Technology Calicut on 10-12 th March 2022 published in lecture series notes in SPRINGER
- A R Pradeep Dr C Rangaraj presented paper on 2022 “Infilled steel frames subjected to Seismic Loads “ presented paper in International Conference On ICAMP- organized by St.Martin's Engineering College Dhulapally, Secunderabad, Telangana state, India on 08th - 09th July 2022 and published in *Materials Today proceedings* on 23 Nov 2022.
- Pradeep A R, Rangaraj C, Jayaramappa N “Behavior of Multi-Story Steel Structure with Infills and bracings under seismic load” presented in ICRAES 2022 Conference organized at MSRIT Bengaluru on 10 Oct 2022.

Faculty Achievements:

- KSCST student project programme exhibition at VTU, Belgaum (State Level Project Exhibition) and adjudged best project of the year the title to “Fabrication and experimental investigation on low cost multipurpose dismountable bamboo Geodesic dome” Guided by : Mrs. Roopa M Students: Sriraksha R Das, Sanjana M,.Pavan H S, Tungasree B S
- Dr. T V Mallesh, Dr. B H Manjunath & Mrs. M Roopa were honoured and felicitated for their funded projects from AICTE and KSCST by the Principal and TECHNODEA team in TECHNODEA technical project exhibition.
- Dr. N Muralidhar delivered a talk at Karnataka Engineering Research Station, KRS, Mandya on 05.07.2022
- Usha S recieved best paper award for the paper titled “Performance Assessment of Fly ash aggregates in Concrete at ICRSTEM-2022” organized by BRCE, Bengaluru from 29th-30th April .2022.
- Mrs. Usha S presented a guest lecture at a webinar organized by Brindavan college of Engineering, Bengaluru on Fly ash as coarse aggregates on 22.06.2022
- Mr. A R Pradeep and Mr. G D Shivaraju Presented a paper in International Conference ICRAES - 2022 at MSRIT, Bengaluru on 13 OCT 22.

Department of Computer Science and Engineering

Awards

- **Dr. Renukalatha S, Prof. Bharath T S** along with their Project Students, **Mr. Jayanth T S, Mr. Chandan Rao C K, Mr. Nishanth N and Ms. Sharadhi R** took part in **45th KSCST SPP-Project expo** held at VTU, Belagavi during 12th & 13th August 2022 and won **"Best Project Award"** for the project titled **"Automobile Surveillance and Security Establishment for Smart Cities"**.

Research papers published by the faculties:

- **Dr. M Siddappa and Prof. Pushpa R** have presented a research article in 4th International Conference on Smart Systems and Inventive Technology (ICSSIT 2022) organized by Francis Xavier Engineering College, Tirunelveli, India held from 20th to 22nd January 2022.
- **Prof. Rekha and Dr. M Siddappa** have published a research article **"Model Checking M2M and Centralized IoT Authentication Protocols"** in International Conference on Artificial Intelligence, Computational Electronics and Communication System.
- **Dr. Guruprakash C D and Prof. Nirmala G** have presented a research article titled **"Unsupervised Machine Learning based Group Head Selection and Data Collection Technique"** at 6th International Conference on Computing Methodologies and Communication (ICCMC 2022) organized by Surya Engineering College, Erode, India from 29th to 31st March 2022.
- **Prof. Sahana L R** has published a research article titled **"An Enhanced Data anonymization approach for privacy preserving data publishing in cloud computing based on Genetic-Chimp optimization"** by IGI Global Journal- International Journal of Information Security and Privacy, indexed by Scopus, Web of Science, ESCI. Vol.16, Issue 1, article 26, ISSN: 1930-1650|EISSN: 1930-1669|EISBN13: 9781683180203|DOI: 10.4018/IJISP.300326
- **Prof. Sahana L R** has published a research article titled **"Optimization Based Privacy Preserving Data Publishing Model for Cloud Computing"** in International Journal of Innovative research in Science, Engineering and Technology (IJRSET), vol. 11, Issue 7, July 2022. DOI: 10.15680/IJRSET.2022.1107054.
- **Prof. Bharath T S and Dr. Channakrishnaraju** have published research article titled **"A Comparative Study on Big Data Masking Techniques: A Survey"** in International Journal of All Research Education and Scientific Methods [IJARESM] ISSN: 2455-6211 Vol 10, Issue 6, June 2022.
- **Prof. Sowmya M N** has published a research article titled **"Convolutional Neighborhood based Ordered-Dither Block Truncation Coding for Ear Image Retrieval"** in International Journal of Image and Graphics, ESCI indexed Q3 Journal.
- **Prof. Babitha M N, Dr M Siddappa** have published a research article titled **"An Approach for Data Integrity Authentication and Protection in Fog Computing"** in Multiagent and Grid Systems Journal, IOS Press Content Library, Vol. 18, No 2, Pg No 87-105, August 2022.
- **Prof. Sahana L R** has published a research article titled **"Efficient Data Anonymization Approach to Preserve Privacy of Sensitive Data in Cloud Storage"** in International Journal on Recent and Innovation Trends in Computing and Communication, Indexed by Scopus ISSN: 2321-8169.
- **Dr. Dinesha L** has published a research article titled **"Efficacious and Safe De-duplication for Block-Level Data in Public Clouds"** in IJIRCCE, Volume 10, Issue 9, September 2022.

Lectures delivered by faculties:

- **Prof T S Bharath** has delivered a lecture on **"Python Programming"** at Arya Bharathi Polytechnic Tumakuru on 21st January 2022.
- **Dr. BrahmaPrakash H P** has delivered a talk on **"Scope of Computer Science & Engineering in IT Sector"** during Student Induction Program 2022-23 organized by Department of Computer Science & Engineering at Siddaganga Polytechnic, Tumakuru on 13th July 2022.
- **Dr. Dinesha L** has participated as an Evaluator in the 2nd National Level Inter College Project Competition held at **DBIT TeXpo-2022** on 20th July 2022 organized by Department of Research and Development, DBIT, Kumbalagodu, Bengaluru in association with **KSCST & KSTA Government of Karnataka**.
- **Dr. Channakrishnaraju** has participated as Reviewer in the **IEEE International Conference on Data Science and Information System (ICDSIS-2022)** organized by Malnad College of Engineering, Hassan in association with **IEEE Bangalore Section and IEEE Mysore Subsection** from 29th to 30th July 2022.

- **Dr. Raviram V** was invited as an expert member to conduct Mock NBA inspection for the department of CSE, Don Bosco Institute of Technology, Bangalore on 1st November 2022.

Students achievements:

- **Ms. Sindhu G M** has passed **C Certificate Exam** in 'A' Grade under the authority of Ministry of Defense, Government of India.
- **Ms. Meghana M** has successfully completed a 6-week online training on Machine Learning. In the final assessment, Meghana has scored 83% marks.
- Students of 7th Semester CSE have attended the workshop on “**Big Data and Analytics with Hadoop**” organized by KPMG in association with IEEE Bangalore Section and Department of Computer Science & Engineering on 17th and 18th December 2021 at SSIT Campus.

Department events:

- **Mr. Manish H R**, Alumni of CSE department has delivered a lecture on “**Hadoop Eco System**” to 7th semester students on 16/11/22.

Placement details:

- During the previous academic year 2021-22, the students of the department of CSE have received nearly 100 placement offers from reputed companies with a highest package of 15 Lakhs per annum.
- In the ongoing campus recruitment drive for the current academic year 2022-23, 28 students of 7th semester have received 42 placement offers with a highest package of 12 Lakhs per annum from reputed companies like: MICRO FOCUS, KPMG GLOBAL SERVICES, TCS, DXC TECHNOLOGY, THOUGHT FOCUS, FIRST AMERICAN, IN TIME TECH.

Department of Medical Electronics Engineering

Achievements :

1. The department has signed a MoU with IBSC-AMTZ, Vishakhapatnam for a period of 3 years for the purpose of joint training, internships and industrial visits.
2. The department has organized a talk on “Implementation of NEP” an Industry- Institute collaboration on 11th August 2022.
3. All faculties were involved in an initiative towards green graduation concept introduced by SSAHE, during which samplings like Amla and Neem were issued to all our 1st and 2nd year students. They were enlightened about the concept of green graduation and are advised to follow the same.
4. The department has organized a technical talk on “New Trends using Sensors in Medical Field” on 16/05/2022 by Dr. Shashank Nagaraj, Deputy General Manager, R & D, Uniphos Envirotronic Pvt. Ltd., Gujrat.
5. The Department has organized a workshop on “Paper Writing and Publication Skill in IEEE conferences” by Dr. Parameshwarachar, HOD, Dept. of Electronics and Telecommunication Engineering, GSSS Institute of Technology, Mysuru.
6. A technical talk by Dr. Amaresh P Kandagal, Senior Scientist, Toshiba, Bengaluru on “How to enter Core Medical Electronics companies” was arranged on 25th June 2022.
7. Mr. Sachin Jayadevaiah was invited to deliver a technical talk on “Current trends and Career Development in Biomedical Engineering” on 12th February 2022.
8. Mr. Suhruth Ujjani was invited to deliver a talk on “Opportunities for the submission of Project Proposal and Start-Ups in the Biomedical Field”.
9. The department has organized a FDP on “Telemedicine: The future health care facility” under ATAL-AICTE during 23/11/2021 to 27/11/2021 .

Faculty Achievements :

1. Dr. Srinidhi G A is bestowed upon “Young Researcher Award” for his contribution in the field of Research by Phoenix International in the month of May-June 2022.
2. Dr. Srinidhi G A was invited as a keynote speaker in a one day national conference on Emerging Horizons in Skill Development held on 30th April 2022 by Srinivas University, Institute of Social Sciences and Humanities, Mangalore, Karnataka.
3. A paper titled “MFCC and GLCM features for Audiovisual Speech Recognition” authored by Dr. A S Raju, HOD, Dept. of MLE has been accepted in the SSAHE journal (Journal of Interdisciplinary Research).
4. Dr. Srinidhi G A has been selected as Reviewer for “Asian Journal of Advanced Research and reports” with ISSN 2582-3248, with publons indexing.

5. Dr.Srinidhi G A was one of the resource persons and delivered an expert lecture on the topic ICT in pedagogy. For Government Polytechnic faculty throughout Karnataka.
6. Dr. Raju A S has published a paper titled "A survey on Deep Learning Algorithms for whole slide Medical Image Analysis in Digital Pathology" in SSAHE Journal of Interdisciplinary Research in the month of June 2022.
7. Mrs. Ashwini K has published a paper titled "Acquisition of ECG and Iris for biometric authentication" in the International Journal of Health Sciences (Scopus Indexed Q4) in the month of June 2022.
8. A project titled "Telemedicine technology for health care needs for rural, primary health center/ district hospitals" guided by Dr. A S Raju has been selected by KSCST.
9. A paper titled "A review on Novel CORONA VIRUS (COVID-19)" by Dr. Srinidhi has been accepted for publication in STM Journal of Health Sciences (Scopus Indexed Q2) in the month of June 2022.
10. Dr. Raju A S has been felicitated in Technodea: State Level Project competition for conducted a Faculty Development Program under ATAL-AICTE.
11. Dr. Srinidhi G A has been felicitated in Technodea: State Level Project competition for getting a fund of Rs. 20,00,000/- by VGST for the tile "Cyber Security Center of Excellence Lab".
12. Mr. Pradeep.M.N has published a paper on "Noise Cancellation in Digital Hearing Aid: A Review" in GIS science Journal, volume 8, Issue 12, December 2021, ISSN: 1869-9391.
13. Mr. Pradeep.M.N has contributed to a text book on "Speech Signal Processing" published by I. K International Publishing House Pvt. Ltd.
14. Dr. Guruprasad S was a resource person for the FDP on "Telemedicine: The future health care facility" held during 23/11/2021 to 27/11/2021 under ATAL-AICTE.
15. Dr. Srinidhi G A was a resource person for the FDP on "Telemedicine: The future health care facility" held during 23/11/2021 to 27/11/2021 under ATAL-AICTE.

Student Achievements :

Ms. Disha Shankar was awarded 1 st Place in Debate and 2nd Place in pick and speak in IEEE-Samarthya 2K22 held on 20th and 21st May 2022 .

Department of Electrical and Electronics Engineering

A funded Project Titled "Energy Conservation and Sustainable Infrastructure" under VGST-2022 is in Second Phase to be Established with 3KW Solar PV OFF Grid/ Grid-tied system with remote login Management

Energy Club activities :

- IT Project for Smart Cities and Data Story Activity was Organized by Energy Club on 28 April 2022 coordinated by Pradeep N, Shri Harsha J.
- UG Cables for Smart Cities Organized by Energy Club 30 April 2022 coordinated by Pradeep N, Shri Harsha J.

Technical visit :

- A Power Plant visit to Supa dam Power House was organized for 8th Semester Students, as part of their academics by Electrical and Electronics Engineering Association 19th to 22nd May 2022.

National Conference, workshops conducted :

- National Conference on Domain of Engineering Sciences -22 Organized by Department of E&EE, SSIT on 10-11 June-2022 coordinated by Dr. L Sanjeev Kumar, Pradeep N, Shri Harsha J, Yogananda .B S.
- Vidyuth-2022 was organized by Department of E&EE, SSIT on 16th June 2022 coordinated by Shri Harsha J, Yogananda B S.
- Mr. Praveen kumar C, Assistant Professor, Dept. of E&EE, SSIT, Tumkur participated as Resource Person for the Orientation Programme on "Entrepreneurial Opportunities" organized by Sri Siddhartha Institute of Management Studies, Tumakuru.
- Mr. Praveen kumar C, Assistant Professor, Dept. of E&EE, SSIT, Tumkur participated in "SAMBHAV" e-National Level Awareness Programme organized by MSME, Government of India.
- A Workshop was Conducted on "Academic Project selection, Objective and scope to become Entrepreneur" by EDC, SSIT for Pre-final year students of all Branches on 19th & 20th April 2022 coordinated by Dr. L Sanjeev Kumar & Praveen Kumar C

Faculty achievements :

- Mr. Praveen kumar C, Assistant Professor, Dept. of E&EE, SSIT, Tumkur has received "Nadaprabhu Kempegowda Award" on 20, February 2022 recognized in the field of Education and Social service.
- Shri Harsha J was awarded with "Young Researcher Award-2022" at INSC Institute of Scholars on July-2022.
- Yogananda B S has delivered a lecture on "Future trends & Advances in Electrical Sciences" in a FDP organized by EEE department, SJBIT, Bangalore on 7/04/2022.

Department of Mechanical Engineering

- Inauguration of Mechanical Engineering and IEM Association activities-2022 with launching of Mechanical Engineering Magazine YANTHRİK-2021 was held on 10th Jan 2022 in step seminar hall.
- Cricket tournament was arranged in mechanical department in association with Mechanical Engineering association on Friday, 14th January 2022. All mechanical staff members and students, actively participated in the cricket tournament.

Technical Talk :

- Technical talk was organized by MEA on the topic "Job supporting assistance before graduation" on 28/04/22 (Thursday). The speakers were Daniel, cloud Architect in ACCENTURE and Preetham, web developer in INDEGENE.
- Technical talk was organized by MEA on the topic "Modern Machine Tools" on 14/05/22. The speaker was Dig vijay Nath pandey, Executive officer, **INDIAN MACHINE TOOL MANUFACTURES ASSOCIATION**.

Workshops conducted:

- One day workshop on "**Manufacturing Technology and Entrepreneurship**" was organized by MEA on 09/11/22 and the resource person was Mr. Manjunath C. Managing partner, MultiTech Forging Industry, Tumkur. Event was coordinated by Mrs. Annapoorna T L, Mrs Leela B N, Mr Shankarnag G L and Mr. Puneeth K .
- One day Workshop on the topic "**Art of executing a good Research/project, presentation and paper writing**" was conducted under the auspicious of MEA. The resource person was Dr. Vishwas M, Assistant professor SIT Tumkur. Programme Coordinators Mr. Puneeth K ,Assistant Professor SSIT and Shankara nag GL, Assistant professor SSIT Tumkur.

Industry visit :

- Industrial visit to "**Multitech forging industry**" Anthrasnalli, Tumkur on 09/11/22 was organised by co-ordinators Annapoorna T L, Leela B N, Shankarnag G L, Puneeth K.

Department of Information Science & Engineering

Research papers published by the faculties :

- **Champakamala Sundar Rao, K. Karunakara** " Efficient Detection and Classification of Brain Tumor using Kernel based SVM for MRI" International Journal of Multimedia Tools and Applications, Springer Nature-JAN 2022.
- **Mr. Prasanna Kumar M** authored a paper titled " an efficient blockchain-based security framework for PUF-enabled IoT devices in smart grid infrastructure", at Seventh "International Conference on Emerging Research in Computing, Information, Communication and Applications" held during 24-26, February 2022, at NMIT, Bangalore, India.
- **Prof. Vani B V** has presented the paper entitled "A review on Smart Agricultural Applications: Crop yield and Plant disease Prediction" at the International Conference on Applied Artificial Intelligence and Computing (ICAAIC-2022) organized by Narasu's Sarathy Institute of Technology, Salem, Tamil Nadu, India held on 9-11, May 2022.

MoU:

Dr. Chethan B K is designated as Chair Person for Bharath Blockchain Network (BBN) Memorandum of Understanding (MoU) with Information Data Systems, USA and supported by All Indian Council of Technical Education (AICTE).

Lectures/webinars delivered by faculties:

- **Mrs. Champakamala S** has participated as Resource Person in six days Faculty Development Programme (FDP) on "Open Source Tools For Lab Courses" organized by the Department of Electronics and Communication Engineering, Sri Siddhartha Institute of Technology.
- **Prof. Prasanna Kumar M**, Asst. Professor, Dept of ISE has delivered a webinar on "Why to Choose Domain as IoT" on 6th May 2022 in the webinar series organized by Technocrats, SSIT.

Placement details:

- Students of our department have bagged 72 offers in the last academic year placement cycle. Recruited companies are KPMG Global Services, TCS, Wipro, IExceed, Mindtree, NTT DATA, Sanketika, IBM, Sasken Technologies, Thought Focus, People Exceed, Revature and many more.
- In the Current academic year, 20* students have got offer from Micro Focus, DXC Technologies, KPMG Global Services, Thought Focus, TCS and In Time Tec.

Department of Electronics and Telecommunication Engineering

Faculty achievements :

- Sumana L has been awarded Ph.D for "Reconfigurability of Microwave Antennas using Shape Memory Alloys" under the guidance of Dr. S. Esther Florence on 14th March 2022 in Anna University, Chennai.
- Dr. Srinidhi G A, Assistant Professor, was selected for sponsorship of Rs 20 Lakhs to set up a Cyber Security- Center of Excellence Lab under VGST, K-FIST L2 Scheme.

Publications in journals and conferences:

- Seema J Kampli and Dr. D. Ramesh published a paper "Orthogonal Codes convolution with Closest Match Error Control Coding for Wireless Sensor Networks" in International Journal of Emerging Technologies and Innovative Research, Vol.9, Issue 6, page no.63-68, June-2022, 2349-5162.
- Seema J Kampli, Dr. D. Ramesh and Dr. K.B Shivakumar published a paper "Markov model based dynamic chain routing protocol for grid WSN" in International Journal of Systems Assurance Engineering and Management (IJSA), February-2022, 0976- 4348.
- Hareesh K.N and Dr. M.N Eshwarappa published a paper "Fusion of Brain MR Images for Tumor Analysis using Bi-Level Stationary Wavelet Transform" in IEEE International Conference on Mobile Network and Wireless Communications (ICMNBC) on 3rd and 4th December 2021 at Sri Siddhartha Institute of Technology, Tumakuru.

Students achievements :

- The final year project titled, "Hydroponics using Raspberry Pi" of Bhoomika T S, Ayesha Afreen, Saniya Khanum and Charitha M, guided by Prof. Jeevith S H, was selected for the award of Rs. 6000 by KSCST under 45th series student project programme.
- Sindhur H.K 1st year student has participated in "All India Inter University Shooting Championship" on 13th April 2022 at Swami Vivekananda Subharti University, Meerut, UP, INDIA.
- The projects, "E-ticketing using RFID in public transportation" carried out by Kannikha B S, Kushala Anuraj N, Jnana M L & Thilak Sagar under the guidance of Prof., Seema J K and "Automatic Face Mask Detection with Alert System based on Machine Learning" carried out by Bindu Shree K S, Deepika C S, Mahalakshmi C M, Suresha A V under the guidance of Dr. G Suma, HOD have secured 1st and 2nd places respectively in Technodea- A project exhibition and competition held at SSIT from 24th & 25th June 2022 for final year students.

Placement Details :

- Out of 35 students 18 students have bagged placement offers with reputed companies like IBM, Verzeo, TCS, Capgemini, Sonata Software, Wipro, Infosys, KPMG, Accenture, Accord etc.

Industrial visit :

- ISRO and HAL

Department of Electronics and Communication Engineering

- Mrs. Ashwini S Shivannavar, Assistant Professor, has Presented a Paper entitled “Performance Analysis of Lung Cancer Classification using Multiple Feature Extraction with SVM and KNN Classifiers” in International Conference on Mobile Networks and Wireless Communications (ICMNWC-2021) organized by Department of Electronics and Telecommunication Engineering, Sri Siddhartha Institute of Technology, Tumakuru in association with IEEE Bangalore Section and Co-Sponsored by Technical Institute for Engineers (TIE) during 03-04 December, 2021.
- Department has Conducted Webinar on "Applications of Cyber security for Automotives" for Pre-final year Students on 04 December, 2021 in E-learning class room.
- Department has organized Two days' workshop on Internet of Things(IOT), for final and pre-final year students, in association with ALS System, Bangalore on 04/01/2022-05/01/2022.
- Department has Conducted Technical talk on "Career Opportunity after B.E", for final and pre-final year students in association with ACE-Bangalore 18/01/2022.
- Mrs. Sharada Guptha M N, Assistant Professor, published a paper on “RL-BLED: A Reversible Logic Design of Bit Level Encryption/Decryption Algorithm for Secure Mammogram Data Transmission”, in Wireless Personal Communications, (Springer Publisher-Web of Science and Scopus indexed journal), in February 2022.
- Mrs. Hari Priya R, Assistant Professor, published a paper on “An Investigation on Computational Intelligent Solutions for Highly Dynamic Wireless Sensor Networks”, Computational vision and Bio-inspired computing, Springer, AISC Volume 1420, PP 301-312, First online 31 march 2022, ISBN:978-981-16-9573-5, DOI:10.1007/978-981-16-9573-5.
- Department has organized a webinar on “Tech Career Abroad” for final year students of all the departments (Hybrid mode) in the department of Electronics and communication Engineering on 17th may 2022.
- Two groups of final year ECE students participated in 6th National Techno Exhibition organized by Dr. Ambedkar Institute of Technology, Bangalore.
 - Robotic vehicle movement controlled by using hand gesture.
Students: Priyanka T, k Bhavya sai, PG Sai Sandeep, Amrutha H K
 - Smart prioritized ambulance service using mobile zigbee in a traffic control system.
Students: Sahana B M, Sneha M N, Vidyashree Mathapati, Sanjay S
- Department has organized “Industrial Visit” to System Consultant Information India (P) Ltd (SCII), tumakuru for pre-final year students on 16-06-2022.
- Department has organized “Industrial Visit” to U.R. Rao Satellite Centre, Bangalore on 30-06-2022 for the final year students (85 students participated).
- Mrs. Haripriya R, Assistant Professor, presented the paper entitled “Smart waste segregation system using Convolutional Neural Networks (CNN)” at the International Conference on Smart Systems and Innovative Technologies (ICOSSIT-2022) organized by Inventive Research Organization, India held on 17-18, June 2022.
- Dr. Vinutha C B, Associate Professor, has received letter of appreciation for initiating MoU with MIT SQUARE group of companies, London & Sri Siddhartha Institute of Technology during Sep.2022.
Department has conducted one-day workshop on “Web scrapping using Python”, 15.10.2022, for 3rd year BE students in association with Mevi Technologies-Bangalore.
Around 70 placement offers were bagged by the students during 2021-22.
- Faculty members of the department have attended FDPs, Webinars, workshops conducted by AICTE (ATAL) and other educational organizations.
- Faculty members of the department have served as reviewers, editorial board members, technical program committee members, session chairs for various peer reviewed journals and conferences.

Master of Computer Applications

Research papers published by the faculties:

- Dr. D Ramesh has published a paper titled “Markov model based dynamic chain routing protocol for grid WSN”, Springer Nature-JAN 2022.
- Dr. D Ramesh has published a paper titled “Dimensionality Reduction of Healthcare Data through Niche Genetic Algorithm” in International Journal of Computer Applications February 2022.
- Dr. D Ramesh has published a paper titled “Health Care Data Analytics – Comparative Study of Supervised Model” in International Journal of Innovative Technology and Exploring Engineering (IJITEE) in May 2022.

MoU:

- A Memorandum of Understanding (MoU) as Industry Institutional collaboration with “**Meebix**”, Bangalore has been signed on 4th of March, 2022.
- A Memorandum of Understanding (MoU) as Industry Institutional collaboration with “**HLT Software Solutions Private Limited**”, Tumkur has been signed on 1st of April, 2022.

Lectures/webinars delivered by faculties:

- Dr. Pushpalatha K R has delivered a talk on “Effect of Computer in our daily lives” during the inaugural orientation program “CONSTELLATION – 2K22” organized by Sri Siddhartha Institute of Business Management Degree and PG College held on 23rd of August, 2022.
- **Dr Asha K R**, Asst. Prof, Dept. of MCA, served as a reviewer for the International Conference ICERECT-2022, organized by PES college of Engineering, Mandya.

Placement details:

- Students of our department have bagged around 60 offers in the last academic year placements in reputed companies such as TCS, NOKIA, Capgemini, Mindtree, Sasken Technologies, JK Technology, Verzeo, Revature and many more.
- In the current academic year, till date **6** students have got offer from **TCS, DXC Technology, and Global Quest Technology**.

Training and industrial visit :

- **Placement Training Program** was conducted for **60 Final Year students** of academic year **2022-23** for **10 Days** by **10Seconds** from **01/08/2022 to 10/08/2022**.
- All **60** Final Year students and Teaching Faculty visited **SCIL, Tumkur** on **5th July, 2022**.

NSS (National Service Scheme) Activities

- National Vice chancellors conclave on best practices in adopted villages on 21-12-2021
- Blood Donation Camp was organized on 10-1-2022
- Public Programme for against drugs-Nasha Mukta Bharat abhiyan was organized on 11-1-2022
- Ayushman Bharat- Arogya Karnataka health card distribution drive in association with parikalp foundation , Tumkur was organized on 17-1-2022
- A Talk on “Legal Awareness” in association with KARNATAKA STATE LEGAL SERVICES AUTHORITY, TUMKUR UNIVERSITY on account of National Youth Week-2022 on 17-1-2022
- Observance of National Voters' Day on 25-1-2022
- Observance of Martyrs' Day on 30-1-2022
- Celebration of International Women's Day was organized on 17-3-2022
- Observance of World Water Day on 22-3-2022
- Observance of World earth day was organized on 22-4-2022
- Two days self defence training programme for first year girl students in association with Karnataka State Karate Association was organized on 23rd and 24th April
- Observance of Anti Terrorism day was organized on 21-5-2022
- Observance of International Day of Yoga was organized on 21-6-2022
- Dr.B.S.Ravikiran, NSS Prog coordinator gave a Talk on “Role of Polytechnic Students in Nation Development: NSS Perspective” at Siddaganga Polytechnic, Tumkur on 6-7-2022 and at Aryabharathi Polytechnic, Tumkur on 8-7-2022
- Electrical, Electronic Components and computer parts awareness programs at Govt High Schools were organized at Tovinakere (Kortagere taluk on 8-8-2022), Sheshanahalli (Gubbi Taluk on 25-8-2022), Urdigere, (Tumkur Taluk on 23-8-2022), Markonahalli (Kunigal Taluk on 6-9-2022), chikkanahalli(Sira Taluk on 16-9-2022).
- Harghar Tiranga abhiyan was organized on 13th -15th August 2022
- Observance of Sadbhavana Diwas on 20-8-2022
- Planting of 75 tree saplings was organized on 26-8-2022
- Covid-19 booster dose Vaccination drive was organized at SSIT in association with Tumkur Taluk Health Office, District Health & Family Welfare Dept, GoK and Helpage India (100 Doses) on 14-10-2022
- Fit India movement-Trekking to Halenijagal hills was organized on 15-10-2022
- Koti kanta Kannada Gayana celebrations was organized on 28-10-2022
- Observance of National Unity Day was organized on 31-10-2022.

NCC (National Cadet Corps)

- Trekking camp at Chinaga hill was organized on 02-01-2022
- RTPCR-Test Camp conducted at SSIT-Girls Hostel was organized on 8-01-2022
- Social Service Community Development Activity conducted at Cholenahalli (Village), Gulur(Hq), Tumkur(Tq) on 29-01-2022 & 30-01-2022
- COVID-Vaccination Drive at SSIT-for staff and students was organized on 05-02-2022
- Trekking camp at Siddarabetta,Koratagere (Tq),Tumkur(Dist). was organized on 06-02-2022
- COVID-Vaccination Drive at Aryabharathi High school ,Maralur, Tumkur, for SSLC students was organized on 15-03-2022
- Seed Sowing Utsav at Ramadevara Betta Reserve Forest, Tumkur was organized on 09-06-2022
- Thal Sainik camp conducted at Vijayapura (12-08-2022 to 19-08-2022).
- Health check up camp and Sachh Bharat Abhiyan, Tumkur on 03-10-2022.
- Trekking camp and Map reading at Basadi Betta, Tumkur was organized on 09-10-2022
- Trekking camp at Chinaga hill, was organized on 02-01-2022

Office Bearers



Dr. B.S. Ravikiran
Vice President



Prof. Pradeep M
Secretary & Treasurer



Prof. Komala K
Joint Secretary

Photo Gallery



CSE Students receiving "Best Project Award"
(45th KSCST SPP-Project Exhibition at VTU, Belagavi)



Industrial Visit (ETC) to HAL



Fit India Movement by NSS Unit



Power Plant visit to Supa dam Power House (EEE)



Environmental day celebration



RTPCR-Test Camp conducted at SSIT-Girls Hostel



On-the Spot Painting Competition - 2022 at Campus



Kalotsava-22



Kannada Rajyotsava-22



Alumni Meet - 2021



International Woman's Day Celebrations



Workshop on Pedagogical Initiatives