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## Alumni Events

1. Two scholarships have been instituted by EED Alumni as under: (i) "Dr. Satturu Raghavendra Rao memorial Scholarship", Instituted by Sanjeev Narayan Rao (Alumnus - EED) for (a) two Girl students of SSIT, selected on Merit cum means basis and (b) Gold medals of two toppers (Male & Female) of EED. (ii) "Poornima Laxman Memorial Scholarship", Instituted by her husband, Sri Harish B, USA, (in memory of Poornima - Alumnus-EED), for two Girl students of SSIT, selected on merit cum means basis, by way of cash award of Rs.25000/- each.

2. Alumni Association's Annual meet "Sethu Bandha" is slated to be held on second Saturday of December, 09.12.2023 (Convener: Dr. B.S. Ravikiran). It will be held at individual departments during the morning session with the valedictory function being held in the post-lunch session. The Alumni Association of SSIT, Tumkur (AASIT) is requested to organise the event in a befitting manner, by establishing highest possible connectivity with our Alumni members present throughout the country and abroad. A circular will be issued with details of the event within the next 2-3 days.

## Editor's message

• "Kannada Rajyotsava" was celebrated on 25.11.2023. The event included various competitions, reflecting Kannada culture and history. The inaugural function was held at 11.30 AM with Nadoja Dr. Mahesh Joshi, President, KSP, Bangalore, as the Chief Guest. Smt. Kannika madam, Hon'ble Management Trustee, Dr. K.B Linge Gowda Hon'ble VC & Dr. M.Z. Kurian, Registrar, Mr. Vivek Veeraiah Advisor to Hon'ble Chancellor graced the occasion. Students actively participated in ethnic wear. • Team AVISHKAR, students from ISE, ECE, ETC & Mech secured first place in "Samavahi Robotics (Pick & Place) competition" held at Srinidhi Institute of Science & Technology, Hyderabad.

• Students from HMS Polytechnic, Tumkur and about 125 students of Presidency School, Sira visited SSIT Campus. • The 5th semester students of Mechanical Engineering visited FITWEL TOOLS & FORGINGS PVT LTD Antharasanahalli, Tumkur.

• The Students' Council has been formed for the year 2023-24, after conducting CR elections. • Students of dept. of MCA, ISE, ETE & ECE visited along their faculty coordinators, the Industry visited "System consultant Information India (SCII), Tumkur to study the functioning. • Happy to share that SSIT has bagged Swachha College award from Tumkur City Corporation • Purnima P S (BME) presented a paper titled "A novel Neural Network Based Scheme to monitor and detect Sleep Apnea in Neonates- A step towards cost effective NICU" at IEEE International Conference on "Advances in Computing, Control and Telecommunication Technologies (ACT-2023)" held at Rajiv Institute of Technology, Hassan.

## Faculty Achievements

1. A one day workshop on "Innovation and Entrepreneurship" was organised by IQAC unit of SSIT, sponsored by MSME, Karnataka, on 10.11.2023. (Co-ord.: Dr. Srinidhi G.A). Different sessions were handled by Sri Shivakumar, AD, MSME, Bangalore, Dr. S.G.S Swamy, RC, SSIT and Sri Sachin Jayadevaiah, CEO & MD, Aspire business syn., Tumkur. About 120 students from various branches participated actively in this workshop.

2. Our Hon'ble Chairman, Dr. G. Parameshwara, was honoured with "Samaja Seva Ratna" award, by Karnataka Union of Working Journalists®, at Tumkur, on 11.11.2023. The award was given by the chief Guest, Sri. Basavraj Horatti.

3. Dr. Kavyashree N (MCA) has published a Chapter in a Book titled: "5G Based Smart Hospital & HC system" published by Taylor & Francis - 2023, I Edition, the chapter titled as "A hybrid DI-based remote monitoring HCS using wearable devices:"

4. 13 SSIT faculty have successfully completed the NPTEL online courses as under : (They are paid Rs.1000/- each towards Reg. fee)

5. Dr. Srinidhi G A was a reviewer in IEEE International Conference on Integrated Intelligence and Communication systems organized by Sharanabasava University, Kalburgi on 24-25, Nov' 2023.

6. The Celonis (CoE) sponsored Workshop on "Process mining has commenced from 25.10.2023, with more than 150 students participating actively in the course - deliberations (Coord: Dr. Puneeth Kumar D.N, ETE). The successful candidates are eligible for 2-3 credits based on the different levels completed by them.

7. On the occasion of NCC day & Indian Constitution day, 26.11.2023, 6/4 Coy NCC Cadets of SSIT, conducted an event with parade by cadets at the premises of 4-Kar. Battalion NCC, Tumkur. The event was held at SSIT on 26.11.2023,

## Faculty Achievements

with all the students taking the “Constitution-Pledge” at 11.00AM, at their respective classes (Coord: Dr.B.S Ravikiran & Dr. H.V.Jayaprakash).

8.Dr.M.N. Eshwarappa, (EC) was Session Chair at International Conference Series of IEEE Mysore Sub-section, MysoruCon-2023, held during 1-2, Dec.2023, at Malnad College of Engg. Hassan.

9.Dr. Sujatha S R(CS) was a Reviewer for IEEE Int. Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIEE-2023) organized by Rao Bahadur Y. Mahabaleswarappa Engineering College, Ballari on 2-3, November 2023.

10.Dr. Renukalath delivered an invited talk at Sri Siddhartha First Grade College, Tumkur, on “ Women empowerment issues” on 4/12/2023.

11.Dr., Shilpa G N (EE) was a reviewer for IEEE International Conference on Integrated Intelligence and comp. sys -2023, organized by Sharanabasava university, Kalburgi. Dirong 24-25 Mp//2023.

12.Dr. Manjula Y, (AIML) was a reviewer for IEEE International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIEE-2023) organized by Rao Bahadur Y, Mahabaleswarappa Engineering College, Ballari, 2-3, Nov’ 2023

13.Dr. H.V.Jayaprakash (Che) has been invited to deliver Lecture & Chair a Session at the National Conference, at Mahatma Gandhi University, Kottayam, being organized for 3 days on “Recent Advances in Chemical Science(RACS 2023)”, scheduled to be held during 13-15, Dec’2023.

Sl No.	Name	Dept.	Course	Score	Class
1	Dr.Praveen Kumar Y.G	EC	Design Flow: RTL to GDS	90%	Gold Elite class
2	Dr. Vidyalakshi K	DS	Cyber Security & Privacy	67%	Elite class
3	Dr. M.C.Supriya	DS	Cyber Security & Privacy	54%	---
4	Praveen Kumar C	EE	Fund of AI	55%	---
5	Sindhu T N	CSE	Cyber Security & Privacy	--	--
6	Rashmi	ISE	Cyber Security & Privacy	--	--
7	Nandini	ISE	Cyber Security & Privacy	--	--
8	Bindu A U	E&C	Introduction to Industry 4.0 &	79%	--

## Publications

1.Mr. Praveen Kumar C, (EE) has published a paper on “A Critical Review on Implementation of FLISR Technology in DMS using Computational Intelligence Technique” in International Journal of Engineering Research & Technology (IJERT), Vol.12, #11, Nov.-2023.

2.Dr. Venkanagouda M G, (Maths) has publishes a research paper on “Nirmala Indices of Certain Antiviral Drugs”, Vol 11, # 11, page No. 3862-3866 in Interntional Journal of Mathematics and Computer Research.

3.Dr.Annapurna H S (IS) published a paper entitled “ Cloud Network Traffic Classification and Intrusion Detection System using Deep Learning” in the International Journal of Creative Research Thoughts ( IJCRT), Volume 11, # 11, November 2023.

4.Vivek Veeraiah, (CS) presented a research article titled “Deep Learning Integration to Inject Intelligence in Network Routing Mechanism” in the International Conference (ICETMCCT), AIP Publishing, 21st Nov. 2023.

5.Nirmala G, and Dr. Guruprakash C D , (CS) have published a research article titled “A Novel Modified Energy and Throughput Efficient Loyal Un-Supervised LEACH Method for Wireless Sensor Networks” in the International Journal of Electrical and Electronics Research (IJEER), Vol 14, #4.

6.Babitha M N, and Dr. Siddappa M, (CS) have presented a research article titled “A Secure Authentication Model with Optimized Key Generation in IoT-Fog-Cloud Computing” in IEEE First International Conference on Integrated Intelligence and Communication Systems (ICIICS-2023) organized by Sharnbasva University, Kalaburagi on 24-25, Nov. 2023 (They received “Best Paper Presenter Award” for the article).

7.Dr. K Sunil and Research Team i) Published a research article “Pd/Co<sub>2</sub>(CO)<sub>8</sub>-mediated bi-metallic catalysis: Facile synthesis of pharmacologically relevant novel tacrine analogues” in Journal of Heterocyclic Chemistry, Willy Group and it is appeared as Cover page in November edition with Volume 60, Issue11, 2023, 1911-1917. ii) Published a research paper entitled “Green and sustainable synthesis of CaO nanoparticles: Its sollicitation as a sensor material and electrochemical detection of urea” in Scientific Reports (2023) 13:19995

(Q1 Journal with the impact factor 4.6, in Nature Springer).

## Ph.D. Awarded

1.Praveen Kumar Y.G (EC) successfully defended his Ph.D. thesis (under VTU) titled “Design, optimization and Verification of Vedic multiplier with BIST using m-GDI Technology” during the Viva held on 08.11.2023, under the Guidance of Prof. Kariyappa, RVCE, Bangalore.

2.Nataraja C (EE) successfully defended his Ph.D. thesis, titled: Simulation & Validation of Adv. WECS for performance evaluation”. (under SSAHE) during the viva held on 10.11.2023, under the Guidance of Dr.G.S.Sheshadri, SSIT. He received degree during the convocation of SSAHE held on 29/11/2023 at Tumkur.

3.Sharada Gupta M.N (EC) successfully defended her Ph.D. thesis, titled “Dev. of efficient Algorithms using optimised Architecture for SMIA”, during the Viva held on 17.11.2023, under SSAHE, with Dr. M.N. Eshwarappa as Research Guide. She received-degree during the convocation of SSAHE held on 29/11/2023 at Tumkur.

4.Dr. C.K.Raju (CS) successfully guided his research student, Mr.Rajashekar K.J, for Ph.D. under SSAHE, with his final Viva held on 17.11.2023, at Tumkur. Ph.D. thesis titled: “A Novel approach for performance enhancement in DSSS”. He received degree during the convocation of SSAHE held on 29/11/2023 at Tumkur.

5.Dr. Supriya (DS) successfully guided her research student, Kushala VM, for Ph.D. under SSAHE, with the final Viva held on 18.11.2023, at Tumkur. Ph.D. thesis titled as : “A novel approach for Agricultural-domain to predict organic fertilizers based on soil health using Deep Learning Ontology’.She received degree during the convocation of SSAHE held on 29/11/2023 at Tumkur.

6.Pradeep N (EE) successfully defended his Ph.D. thesis (under SSAHE), titled “STLF using neural networks”, during the Viva held on 18.11.2023, under the guidance of Dr. G.S.Sheshadri, (EE), SSIT.He received degree during the convocation of SSAHE held on 29/11/2023 at Tumkur.

7.Dr. L Sanjeev Kumar(EE) has guided Shri Harsha J who defended his Ph.D thesis on “Voltage Source Converter Based HVDC Scheme for Evaluation of Power by Independent Power Producers and Issues related Control Methods” during the Viva held on 7th November 2023 under SSAHE university.He received degree during the convocation of SSAHE held on 29/11/2023 at Tumkur.

## Events

1.Department of EC organised the IOT demonstration Workshop on 08.11.2023 for faculty across Circuit Branches, at their newly setup IOT lab. Resource persons: Chidambar Kulkarni and Ravi, TMI-ALS systems, Bangalore.

2.HMS Polytechnic students visitedSSIT campus on 09.11.2023, thoroughly observed the facilities such as RW Harvesting, Env. Engg. Lab, STP, Borewell re-charge facility, etc. along with their faculty. (Coord.: Rakesh M, (CE).

3.A value added course on “ Embedded systems design using arduino” was held at SIS, ETE department (Resource person: Yogesh M) during 9-11, Nov. 2023, for the benefit of III sem. students of AL&ML and DS (Coord.: Dr. M.C.Supriya).

4. The students and faculty from HMS Polytechnic, Tumkur, visited the Power electronics lab, Dept. of EE, SSIT, on 10.11.2023. (Coord.: Yogananda B.S).

5.Anti SHC unit of IQAC, SSIT organised Dr. HMG Extramural Lecture on “Sexual harassment elimination and its implications”, on 16.11.2023, for the benefit of both boys and Girl Students. Dr.Sushma, Department of Psychiatry, SSMC, T-Begur, was the resource person. (Coord.: Sushma M –IS)

6.“Tantra – 2K23”, SSIT-ISTE Student Chapter’s annual technical event, was held on 17.11.2023, at SSIT campus (Convener: Dr.Y.Manjula-DS). Various cultural and co-curricular events were organised for the benefit of students drawn from Engg. Colleges all over Tumkur district.

7.About 125 students of VIII std., Presidency School, Sira, visited SSIT Campus on 18.11.2023. They were guided in 3 groups by SSIT faculty to go round the campus facilities such as library, Engg. Labs, computer centres, etc. (Coord.: Dr. B.S. Ravikiran).

8.Department of CSE has organized SDP on “HA-DOOP and HIVE”, hands-on session for 7th semester students on 18/11/2023Mr.Manish H R, Alumnus, Dept. of CSE, was the Resource person(-Co-coordinator: Sindhu T N).

9.“Workshop on Latex” was organized by INTENT Student Club (Peer-Peer Learning) for 5th semester students on 21/11/2023. The Resource person: Sinchana( 5th CS)

**Department of Electronics and Communication Engineering organised one-day Industrial Trip for final year UG Students to “System consultant Information India” an IT based company located in Yallapura, Tumakuru on 27th October.**



## Students Achievements

- 1.Chetan, Ganapathi (V sem. EC) & Rohit (III sem. EC) attended 3 day Workshop on “Antenna Design”, at Sai College of Engg., Bangalore, on 11.11.2023.
- 2.The Students of V Sem. (open Electives-EED) underwent educational site tour to “Shimsha” on 11.11.2023 (Faculty Coor.: Dr. Rajesh Kamath and Dr. Raviprasad – EED). They visited the Bhoruka hydro station and the shimsha solar plants during this visit.
- 3.One day village education program at Thanganahalli, Koratagere Taluq, was undertaken by NCC, SSIT unit. About 52 student cadets participated in this event during 18-19, Nov’ 2023. (Coord.: Dr. H.V. Jayaprakash).
- 4.The V sem. (ME) students had an industrial visit to Fitwell & Forging Pvt. Ltd., Tumkur on 21.11.2023 (Coord: Puneeth K),
- 5.Mohith (EE) & Archana B S,were selected as Best outgoing students for the year 2022-23 and were felicitated during the convocation of SSAHE held on 29th November 2023 at Tumakuru.
- 6.Varsity circle students from across various Engg. Departments (team of 15 members) will be participating in IIT-Mumbai – Techfest – an Int. Project exhibition, to be held during 25-29 Dec.2023.
- 7.Team AVISHKAR, team wise students from ISE, ECE, ETC & Mech. (SSIT), secured first place in “Samavahi Robotics (Pick & Place) competition” held at Srinidhi Institute of Science & Technology, Hyderabad, during 20-23, Nov’ -2023. They were sponsored with the needed financial support by SSIT. They will be participating in a similar event at IIT, Mumbai during 25-27 Dec.23.

Principal congratulated each of the above achievers and expressed happiness about their sincere effort in the path of achievements.

The meeting commenced with discussion about various agenda points and the resolutions made as under.

- 1.Kannada Habba: “Kannada Rajyotsava” was celebrated on 25.11.2023 organised by the cultural committee of SSIT-students council, convened by Dr. S. Renukalatha Dean (Aca.). The event included various competitions, reflecting Kannada culture and History, in which all the students took very active part making the event a grand success. The inaugural function was held at 11.30 AM with Nadoja Dr. Mahesh Joshi, President, KSP, Bangalore, as the Chief Guest. Smt. Kannika ma’am, Hon’ble Management Trustee, Dr. Linge Gowda Hon’ble VC & Dr. M.Z.Kurian, Registrar, graced the occasion with their presence. Students also participated in their ethnic wear, making the event even more colourful. Principal thanked everyone concerned for making this a memorable and laudable event.
- 2.“Sethu Bandha”, the annual SSIT – Alumni meet for 2023 will be conducted on Saturday 09.12.2023. It is resolved to hold this event, hereafter on 2nd Saturday of December month every year. The event will have department level activities, such as interactions with students, honouring top-notch Alumni, cultural and sports programs, feed-back by Alumni, etc. The Concluding event will be held together after the lunch, by 2.30 PM at the PG Seminar Hall. Dr. B.S.Ravikiran, Convener, Alumni Association and his team of members are requested to make arrangements well ahead of time and ensure smooth conduction of this important event. Invitations are to be extended to all the members across the country and abroad for both the sessions, by each department, on individual basis.
- 3.Convocation-23:The SSAHE -Convocation-22023 was held on 29/11/2023, and Sri Shashi Tarur, MP, delivered the convocation address., The Hon’ble Chancellor gave away the Degree certificates to all the UG/PG/PhD awardees, as also the Gold medals. The Hon. Doctorate Degree was Presented for the 1st time by the Hon. Chancellor to Dr. SS Iyengar, US, for his contributions to Engg. Domain and lifetime achievement. About 5000 members of students, staff, parents invitees etc. witnessed this mega event, held outdoor, at the University premises.

## Participations

- 1.Arпита S N, Vinutha M L and Ravi Kumar R (EE) actively participated and successfully completed Five days Skill development program on “PCB Design and IOT Applications” held during 6-10, Nov’ 2023 at BMS Institute of Technology and Management, Bangalore.
- 2.Dr. L.Sanjeev Kumar, Dr. Chidananda murthy M.V, Dr. Guruprasad S, Keshavamurthy T.G, Harish S, Participated at the DVS & LT programme at Bangalore, on 10.11.2023, in connection with establishing CoE at SSIT, in future.
- 3.Dr Srinidhi G A and Swarnamba S (ETE) participated in a 5 day's FDP on “Cyber Intelligence and awareness on Social media security” organized by Institute of Engineering and Management, Kolkata, in association with Computer Society of India. During 27th Nov’ 2023 and 1st December 2023.
- 4.Dr K Sunil and Pruthviraj K attended the International Chemistry Symposium 2023, organised by Thieme group held in IIT Bombay (Online) on 27th Oct’2023 and Participated in the live workshop on Microsoft Office Automation organized by Skill Nation on 26th November 2023.
- 5.Rohith C (ME) attended the Training of Trainers programme on CNC Turning under sankalpa scheme in KGTTI Bangalore, held during 30th Oct’23 to 29th Nov’23.



# Events

The 5th semester students of Mechanical Engineering Visited to Plant I and Plant II of FITWEL TOOLS & FORGINGS PVT LTD Antharasanahalli, Tumkur on 21/11/2023, Tuesday with staff Mr. Puneeth K, Dr Annapoorna T L, Mrs. Roopashree C R and Mrs. Leela B N



Plant I of FITWEL TOOLS & FORGINGS PVT LTD Antharasanahalli, Tumkur.



Plant II of FITWEL TOOLS & FORGINGS PVT LTD Antharasanahalli, Tumkur



On the occasion of NCC day and Indian Constitution day, - 26/11/2023



Trekking activity at Halekote near Durgadahalli - 03/12/2023

