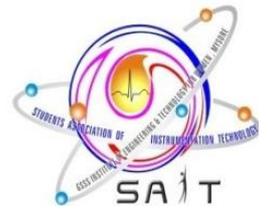




# NEWSLETTER EVEN SEMESTER 2019

Geetha Shishu Shikshana Sangha®  
GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN  
Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka  
Approved by AICTE, New Delhi & Govt. of Karnataka  
K R S Road, Metagalli, Mysuru-570016, Karnataka, India



## DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

(Formerly known as Instrumentation Technology, Accredited by NBA, New Delhi. Validity:01.07.2017 to 30.06.2020)

# SAIT

### ABOUT THE DEPARTMENT:

The Department is offering B.E. degree course in “Electronics & Instrumentation Engineering”, which is a multi-disciplinary branch of engineering, dealing with the science and technology of measurement of a large number of variables embracing the engineering disciplines like electrical, electronics, mechanical, communication and computer engineering. In today’s world of technological advancements Electronics & Instrumentation Engineering plays a vital role with aircraft instrumentation, biomedical instrumentation, distributed control systems, process controls and robotics. Knowing the ever growing importance & also demanding fast changing technical requirement of measurement and analysis, computers, microprocessors, micro controllers and digital signal processors (DSP) and programming languages are very essential. Analytical, mathematical, conceptual and practical skills are essential for an Instrumentation Engineer. All industries require controls and measurements of equipments and parameters leading to automation of industrial processes. Accurate and reliable measurements lead to better quality of products. Hence, quality of measurement and instrumentation is an important aspect studied during the course.

### VISION:

To Achieving excellence in technical education and research to serve as a valuable resource for industry and society through innovation and team work leading to global competence.

### MISSION:

1. To provide students with technical knowledge, practical and managerial skills that will enable the graduating engineers to serve the society better with ethical values.
2. To undertake synergetic projects which offers opportunities for long term interaction with academic and industry.
3. To prepare the students to visualize beyond the stochastic thinking and belong to a new era of acquisition and application of instrumentation technology to meet the requisition of the changing world.

### CONTACT US:

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Ph:0821-2457305

E-mail : [hodeie@gsss.edu.in](mailto:hodeie@gsss.edu.in)

**STUDENTS ACHIEVEMENTS  
UNIVERSITY LEVEL ACHIEVERS**



**Name:** Kum. N Harshitha Subbaiah  
**USN :** 4GW14EI025  
**Secured 3<sup>rd</sup> RANK**  
**Year:** 2017-18  
**Aggregate Percentage: 81.25 %**

**PLACEMENTS**

Sl No	Name of the Student	USN	Placed Company	CTC Package
1	Rachana N	4GW15EI023	 SLV Technologies Incredible Innovation	3.36Lpa
2	Mamatharani M S	4GW14EI011	ABC CSR	2.4-4Lpa
3	Syeda Afreen Saher	4GW15EI036		2.4Lpa
4	Varshini S	4GW15EI041		2.4Lpa
5	Hiba Fathima	4GW15EI011		2.26Lpa
6	Manimekala M	4GW15EI015		2.26Lpa
7	Rakshitha N	4GW14EI041		2.26Lpa
8	Amrutha M S	4GW15EI002		1.8-2.4Lpa
9	Niveditha B R	4GW15EI017	 HGS HINDUJA GLOBAL SOLUTIONS	1.68Lpa
10	Pooja H N	4GW15EI018	 HGS HINDUJA GLOBAL SOLUTIONS	1.68Lpa
11	Rachana N	4GW15EI023	 HGS HINDUJA GLOBAL SOLUTIONS	1.68Lpa
12	Tejaswini A	4GW15EI037	 HGS HINDUJA GLOBAL SOLUTIONS	1.68Lpa
13	Vinutha K	4GW15EI042	 HGS HINDUJA GLOBAL SOLUTIONS	1.68Lpa

## DEPARTMENTAL ACHIEVERS (ODD SEMESTER - 2018)

### Semester – VII

#### First Topper



**Raziqna M**  
4GW15EI024  
84.25% (674)

#### Second Topper



**Syeda Afreen Saher**  
4GW15EI036  
83.25% (666)

#### Third Topper



**Sukruthi N S**  
4GW15EI033  
81.88% (655)

### Semester – V

#### First Topper



**Surabhi M S**  
4GW16EI043  
80.62% (645)

#### Second Topper



**Sowrabha K M**  
4GW16EI041  
80.38% (643)

#### Third Topper



**Kumari Gunjan**  
4GW16EI020  
80.12% (641)

### Semester – III

#### First Topper



**Rakshitha R**  
4GW17EI020  
82.58% (702)

#### Second Topper



**Srijeeta Dev**  
4GW17EI027  
81.88% (696)

#### Third Topper



**Pruthvi M**  
4GW17EI019  
81.29% (691)

### Semester – I

#### First Topper



**Preethu K**  
4GW18EI012  
84.25% (674)

#### Second Topper



**Sadhana B C**  
4GW18EI018  
78%(624)

#### Third Topper



**Shravya Srinivas**  
4GW18EI021  
75.5%(604)

## DEPARTMENTAL ACHIEVEMENTS:

### Third National Conference on “Robotics, Automation, Control and Embedded Systems” (NCRACES-2019).

NCRACES 2019 was jointly organized by the Departments of Electronics & Instrumentation Engineering and Telecommunication Engineering in association with **International Journal of Engineering Research and Technology (IJERT)** on 10<sup>th</sup> May 2019.



Inauguration of Third National Conference on “Robotics, Automation, Control and Embedded Systems” (NCRACES-2019)



Proceedings release of Third National Conference on “Robotics, Automation, Control and Embedded Systems” (NCRACES-2019)

(From left) **Dr. Parameshchhari B D**, Professor & Head, Dept. of TCE **Sri. R. K Bharath**, Management Committee Member & CEO GSSS(R), chief Guest **PADMASHRI Dr. R M VASAGAM**, Chancellor, Dr MGR Educational and Research Institute, Chennai Chancellor, Karpagam University, Coimbatore, Vice President (admin), Dr MGR Educational and Research Institute Madhuravoyal, Chennai, Guest of Honour **Sri. Achutha Bachalli K** Chairman, Unilog Content Solutions Pvt., Mysuru & Chairman, Infopine, Mysuru, **Dr. Shivakumar M**, Principal, GSSSIETW, Mysuru, **Dr. Venkatratnam C** Head, Dept. of EIE, GSSSIETW, Mysuru.



Group photo with chief guest, Session Chairs, Faculty members of Dept. of TCE & EIE NCRACES-2019



Group photo with all the Participants of the NCRACES-2019



**Falicitation of the chief guest Padmashri Dr. R M Vasagam Chancellor, Dr MGR Educational and Research Institute, Chennai., Chancellor, Karpagam University, Coimbatore., Vice President (admin), Dr MGR Educational and Research Institute Chennai**



**Falicitation of the Guest of Honour Sri. Achutha Bachalli K Chairman, Unilog Content Solutions Pvt., Mysuru**

**NCRACES-2019** has proved to be very popular and has received 150 scholarly submissions from all over the country. The conference program committee had a very challenging task of choosing high quality submissions. Through rigorous blind review and recommendation of the reviewers 75 quality scholarly submissions were selected for inclusion in the conference proceedings. The Papers are categorized into specific domain. In each domain the **“BEST PAPER”** was awarded. Invited Session Chairs from various reputed companies and Institutions have assessed the papers and fruitful suggestions have given for all participants. Students, Research Scholars and faculty members from various Engineering Colleges have participated in the conference.

## STUDENT PUBLICATION / PARTICIPATION

1. **Rachana N , Shreyanka T and Pooja M** of 8<sup>th</sup> semester presented technical paper entitled **“Design and Development of Vehicle Blind Spot using LabVIEW”** in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019.**
2. **Hiba Fathima, Sukruthi N S and Tejaswini M S** of 8<sup>th</sup> semester presented technical paper entitled **“Design and Development of an Embedded Medical Quad - Copter”** in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019.**
3. **Amrutha M S , Swathi Muralidhar and Spoorthy S** of 8<sup>th</sup> semester presented technical paper entitled **“Data Acquisition in the Asperous Region using Hexapod Robot”** in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019.**
4. **Syeda Afreen Saher, Tejaswini A, Shreya Goel D and Varsha S** of 8<sup>th</sup> semester presented technical paper entitled titled **“Smart Prepaid Energy Meter IoT based”** in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019.**
5. **Asma Shaikh , Sufia and Deepthi K N** of 8<sup>th</sup> semester presented technical paper entitled **“Monitoring of Coma Patient using Wearable Motion Sensor Systems”** in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019.**
6. **Raziqua M, Sowmya C, Vinuthalakshmi K and Priyanka N** of 8<sup>th</sup> semester presented technical paper entitled **“Women Safety Device using IoT”** in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019.**
7. **Feedha Rafeeqe, Vaishnavi Diggavi and Rakshitha N** of 8<sup>th</sup> semester presented technical paper entitled **“Pollution Checker Drone”** in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019.**
8. **Bhagyajyothi M Patil, M Manimekala and Pooja H N** of 8<sup>th</sup> semester presented technical paper entitled **“Remote Monitoring of Solar Panels using LabVIEW”** in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019.**

9. **Asha G P , Niveditha B R and Kadambini K R** of 8<sup>th</sup> semester presented technical paper entitled “**Design of Anti Theft System for Bikes**” in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019**
10. **Bindushree C D, Ghousia Neha and Varshini S** of 8<sup>th</sup> semester presented technical paper entitled “**Smart Irrigation System using Solar Panel**” in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019.**
11. **Mamatha Rani M S, Vinutha K and Yogitha S P** of 8<sup>th</sup> semester presented technical paper entitled “**Smart vision for visually impaired people using Machine Learning**” in Third National conference on Robotics, Automation, Control and Embedded System , **NCRACES- 2019 held a GSSSIETW, Mysuru on May 10<sup>th</sup> , 2019.**
12. **Mamatha Rani M S, Vinutha K and Yogitha S P** of 8<sup>th</sup> sem awarded the **Best paper** in **Project symposium-2019** held at GSSSIETW, Mysuru on **11<sup>th</sup> May, 2019.**
13. **Raziqua , Priyanka and Sowmya** of 8<sup>th</sup> sem had participated and won best paper award in **Project Model and Technical Paper presentation completion** held by IETE, Mysuru on **May 4<sup>th</sup>, 2019.**
14. **Mamatha Rani M S, Vinutha K and Yogitha S P** of 8<sup>th</sup> sem had participated in **Project Model and Technical Paper presentation completion** held by IETE, Mysuru on **May 4<sup>th</sup>, 2019.**
15. **S Sumi, Surabhi M S, Spoorthi M Pawar and Prateeksha M** of 6<sup>th</sup> semester had participated in SymbIoT Hackathon on **May 3<sup>rd</sup> and 4<sup>th</sup>** organized by Dept. of ECE, Vidya Vardhaka college of Engineering, Mysuru.
16. **S Sumi, Surabhi M S, Kumari Gunjan, Raveena A, Safna M T** had participated in **Technical quiz , tech rig** of 6<sup>th</sup> semester events in **National Level Technical Fest URJA-2K19** held on **21<sup>st</sup> and 22<sup>nd</sup> March ,2019** organized by Dept. of ECE, ATME College of Engineering, Mysuru in association with “**IETE**”, Mysuru 2019.
17. **Asha G P, Gousia Neha, Niveditha B R, Pooja H N, Tejaswini A, Tejaswini M S, Varsha S, Sufia, Syeda afreen , Yogitha S P and Kadambini K R** of 8<sup>th</sup> semester had participated in Technical quiz competition “**Technisium-2019**” held at SIT, Tumkur on **16<sup>th</sup> March 2019.**
18. **Usha M, Sushmitha C, Nisha C, Preethi K,** of 6<sup>th</sup> semester had participated in “**MATLAB Workshop**” held on **1<sup>st</sup> March, 2019** at NIE , Mysuru.
19. **Spoorthi M Pawar and Surabhi M S** of 6<sup>th</sup> semester won the **Second Place** in “**Mind**

**Numbing Quaiz” at SCI-FEST-19 organized by Department of Chemistry, SJCE,JSS S&TU, Mysuru on 28<sup>th</sup> Febraury,2019.**

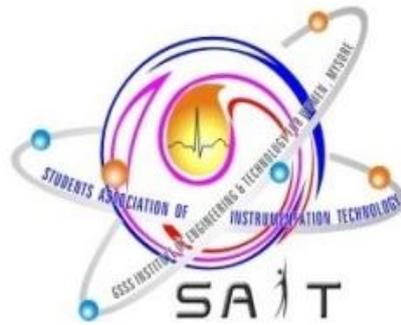
- 20. Prateeksha M,S Sumi,Safna M T,Kumari Gunjan, Raveena A and Tanushree M of 6<sup>th</sup> semester had participated in SCI-FEST-19 organized by Department of Chemistry, SJCE,JSS S&TU, Mysuru on 28<sup>th</sup> Febraury,2019.**

## **FACULTY ACHIEVEMENTS**

- 1. Dr. Venkatratnam Chitturi attended “Three days Induction program for first year” from 14<sup>th</sup> to 16<sup>th</sup> May, 2019 at Managalore Institute of Technology, Managalore.**
- 2. Nagesh M S presented a paper entitled “Automation of DG sets using PLC” in Tenth National Conference on Advanced Techniques in Electricals and Electronics Engineering on 4<sup>th</sup> May, 2019 at SJBIT, Bengaluru.**
- 3. Basavanna M presented a paper entitled “Rotating head obstacle avoiding robot using Arduino” in Tenth National Conference on Advanced Techniques in Electricals and Electronics Engineering on 4<sup>th</sup> May, 2019 at SJBIT, Bengaluru.**
- 4. Ms. Nagalakshmi T S had delivered one day session on “Introduction to IoT with hands-on” on 2<sup>nd</sup> May, 2019 at Vivekananda Institute of Technology, Bengaluru.**
- 5. Ms. Nagalakshmi T S had attended VTU TEQIP 1.3 sponsored FDP on “IoT Industrial Application –Frontend and Backend Co-design” on 29<sup>th</sup> and 30<sup>th</sup> April, 2019 at RNSIT, Bengaluru.**
- 6. Mr. M V Sreenivas Rao had attended One day Workshop on Deliberation of 3<sup>rd</sup> to 8<sup>th</sup> semester scheme , syllabus on 29<sup>th</sup> April, 2019 at BNMIT, Bengaluru.**
- 7. Dr. Venkatratnam Chitturi presented a paper entitled “A Novel Vertical Axis Wind Turbine for Energy Harvesting on the Highways” in 2<sup>nd</sup> IEEE International conference on Innovations in Power and Advanced Computing Technologies-i-PACT 2019 organized by School of Electrical Engineering, VIT, Vellore.**

# PROFESSIONAL ACTIVITIES UNDER TECHNICAL FORUM – SAIT

## Students Association of Instrumentation Technology



### Objectives of SAIT:

- To provide a platform for students to interact with eminent Academicians, Industry and Research Professionals.
- To promote team building activities that is required for working effectively in small diverse groups.
- To plan and organize activities like Technical / Personality Development Workshops, Seminars, Industrial Visits, etc.
- To organize technical symposiums and guest speakers from wide areas of technical research and development to mark this event. Various technical events like Quiz, On Spot Programming, Paper Presentation, and Technical Debate are conducted under the banner of SAIT.

### Project Symposium held on 11<sup>th</sup> May 2019



Department of EIE conducted Project Symposium on 11<sup>th</sup> May, 2019 for the final year (8<sup>th</sup> semester) students. Mrs. Sreedevi G, Alumnae of Instrumentation branch -2011 batch currently working as a Design Engineer, Hexmoto, Mysuru and Mrs. Anusha M U, Alumnae of Instrumentation branch- currently working as a Assistant Professor, JSSS&TU(formerly known as SJCE) were invited as a judge to this event. Certificates were distributed to the students and the best paper is awarded to the awardees.

**Three day workshop on “IoT with Python”  
held from 25<sup>th</sup> to 27<sup>th</sup> April 2019.**



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru had organized a Three days workshop on “IoT” with Python” for the students of 6<sup>th</sup> semester from 25<sup>th</sup> to 27<sup>th</sup> April 2019 under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was Mr. Gowtham Raj G, Senior Training manager, Entho Technologies, Bengaluru.

**Three day workshop on “Field Instruments” at Siemens Centre of Excellence ,  
GTTC, Mysuru from 22<sup>nd</sup> to 24<sup>th</sup> April 2019.**



Department of Electronics and Instrumentation Engineering conducted a Workshop on “Field Instruments” for 4<sup>th</sup> semester students by Mr. Jain Jos V Engineer in Technical Services in Designtech Systems GTTC, Mysore from 22<sup>nd</sup> to 24<sup>th</sup> April 2019 under Instrument Society of India (ISOI) Student Chapter.

**Three day workshop on “C and C++ Programming”  
held from 22<sup>nd</sup> to 24<sup>th</sup> April 2019.**



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru had organized a Three days workshop on “**C and C++ Programming**” for the students of 6<sup>th</sup> semester from **22<sup>nd</sup> to 24<sup>th</sup> April 2019** under Instrument Society of India (ISOI) Student Chapter. The resource person for the workshop was **Mr. Ramprasad H C , Trainer, 10 Seconds, Bengaluru.**

**Two days workshop on “IoT using NI Technologies”  
held on 22<sup>nd</sup> and 23<sup>rd</sup> March 2019.**



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru had organized two days workshop on “**IoT using NI Technologies**” by VI solutions in association with **National Instruments, Bengaluru** for the students of 8<sup>th</sup> semester EIE from 23<sup>rd</sup> to 24<sup>th</sup> April 2019 under Instrument Society of India (ISOI) Student Chapter. The resource person for this program was **Mr. Nagarajan G, Senior Applications Engineer, VI Solutions, Bengaluru.**

**One day workshop on “Analog and Digital Electronics in Embedded System”  
held during 30<sup>th</sup> March 2019.**



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Analog and Digital Electronics in Embedded System**” for the students of 4<sup>th</sup> semester on **30<sup>th</sup> March 2019** under Instrument Society of India (ISOI) Student Chapter. Mr. Santosh Kumar D K, Project Manager, Indhu Design Solution and Technology, Bengaluru was the resource person for this event.

**Technical Talk on “Neural Network and its applications”  
held on 22<sup>nd</sup> March 2019**



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Neural Network and its applications**” for the students of 8<sup>th</sup> semester on **22<sup>nd</sup> March 2019** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Dr. Ravi Raj** Founder Chairman Royal Research Foundation(R), India.

**Technical Talk on “Applications in the field of Mechatronics”  
held on 9<sup>th</sup> March 2019**



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Applications in the field of Mechatronics**” for the students of 6<sup>th</sup> semester on **9<sup>th</sup> March 2019** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Prithvi Perumal** Sales Executive – State In charge Seimens Center of Excellence Design Tech Systems Ltd.

**Technical Talk on “Analytical Instrumentation and its Applications”  
held on 9<sup>th</sup> March 2019**



The Department of Electronics and Instrumentation, GSSSIETW, Mysuru had organized a Technical talk on “**Analytical Instrumentation and its Applications**” for the students of 4<sup>th</sup> semester on **9<sup>th</sup> March 2019** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Anbalgan K Sr.** Technician CIFS Dept., CFTRI, Mysuru.

**Industrial Visit to CFTRI”, Mysuru on 21<sup>st</sup> May 2019  
for 4<sup>th</sup> Semester**



Department had organized an Industrial Visit to “CFTRI” Mysuru for 4<sup>th</sup> Semester Students on 21<sup>st</sup> May 2019.

**Industrial Visit to “Nestle India Pvt. Ltd.”, on 11<sup>th</sup> May 2019  
for 6<sup>th</sup> Semester**



Department had organized an Industrial Visit to “Nestle India Pvt. Ltd.”, Nanjangud, Mysuru for 6<sup>th</sup> Semester Students on 11<sup>th</sup> May 2019.

## Industrial Visit to “Shreeyog Industries”, Dandeli, Karnataka on 16<sup>th</sup> March 2019 for 8<sup>th</sup> semester



Department had organized an Industrial Visit to “Shreeyog Industries”, Dandeli, Karnataka for 8<sup>th</sup> Semster Students on March 16<sup>th</sup> 2019.

## Parents Teachers Meeting held on 11<sup>th</sup> May, 2019



Parent’s teachers meeting was organized on 11<sup>th</sup> May, 2019 for 4<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> Semester students. The meeting was conducted with an aim to discuss about performance of students in the internal assessment, attendance and to take feedback from the parents about the existing system.

## EDITORIAL TEAM

**Dr. Venkatratnam Chitturi**, Associate Professor & Head, Department of EIE

**Ms. Nagalakshmi T S**, Assistant Professor, Department of EIE