



# NEWSLETTER ODD SEMESTER 2018

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:

Website: <http://www.geethashishu.in>

Ph:0821-2457305

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

## STUDENTS ACHIEVEMENTS

### PLACEMENTS

| Sl No | Name of the Student  | USN        | Placed Company  | CTC Package |
|-------|----------------------|------------|---|-------------|
| 1     | Bhagyajyothi M Patil | 4GW15EI006 |   | 5.0Lpa      |
| 2     | Asha G P             | 4GW15EI003 |   | 4.0Lpa      |
| 3     | Swathi Muralidhar    | 4GW15EI035 |   | 3.6Lpa      |
| 4     | Sukruthi N S         | 4GW15EI033 |   | 3.5Lpa      |
| 5     | Vaishnavi Diggavi    | 4GW15EI039 |   | 3.5Lpa      |
| 6     | Raziqna M            | 4GW15EI024 |  | 3.25Lpa     |

### DEPARTMENTAL ACHIEVERS (EVEN SEMESTER - 2018)

#### Semester – VIII

##### First Topper



**PUNYASHREE B S**  
4GW14EI038  
88% (660)

##### Second Topper



**GANAVI D**  
4GW14EI014  
86.26% (647)

##### Third Topper



**PRATHIBA P**  
4GW14EI037  
86.13% (646)

## Semester – VI

### First Topper



**RAZIQUA M**  
4GW15EI024  
87.62% (701)

### Second Topper



**SYEDA AFREN SAHER**  
4GW15EI036  
84.5% (676)

### Third Topper



**SUKRUTHI N S**  
4GW15EI033  
83.75% (670)

## Semester – IV

### First Topper



**SURABHI M S**  
4GW16EI043  
85.25% (682)

### Second Topper



**TANUSHREE M U**  
4GW16EI046  
84.75% (678)

### Third Topper



**SOWRABHA K M**  
4GW16EI041  
83.88% (671)

## Semester – II

### First Topper



**ADITI C A**  
(4GW17EI001)  
81.00 % (567)

### Second Topper



**JUWAYRIAH**  
(4GW17EI010)  
79.00% (553)

### Third Topper



**JANANI S**  
(4GW17EI009)  
78.85% (552)

## DEPARTMENTAL ACHIEVEMENTS:

### ROBOTEER 2019



Department of Electronics and Instrumentation Engineering had organized Robotics Workshop “Roboteer-2019” for Diploma students on 24<sup>th</sup> January 2019. Around 130 students from various diploma colleges in and around Mysuru had participated in this event. The workshop was conducted for one day on the basics of Arduino board and its application on line following robot. Mr. M V Sreenivas Rao, Assoc. Professor, Mr. Nagesh M S and Mr. Basavanna M Asst. Professor’s Department of E&IE were the resource person for this event. Certificate of participation was distributed to all the participants by Dr M Shivakumar, Principal, GSSSIETW, Mysuru.



## Faculty Development and Enrichment Programme on “Control Systems”



Department of Electronics and Instrumentation Engineering had organized Faculty Development and Enrichment Programme on “Control Systems” from 16<sup>th</sup> to 19<sup>th</sup> January 2019. Control Engineering is an engineering discipline that focuses on the modeling of a diverse range of dynamic systems and the design of controllers that will cause these systems to behave in the desired manner. The key areas of the Faculty Development and Enrichment Program Time response analysis, Frequency domain analysis, Concepts of stability and State space analysis. The resource person to this event were Dr. ShreeshaChokkadi Professor, MIT, Manipal, Dr.MudduMadakyaru, Asso.Professor, MIT,Manipal, Dr.K V L Narayana, Asso. Professor, VIT, Vellore and Mrs. Nanda S, Asst.Professor, SJCE, Mysuru.

### MEET AND GREET



Department had organized a “Meet and Greet” for PU students on 28<sup>th</sup> September 2018 with a motivation of introducing the college and department to the PU students and make a awareness about the Engineering courses and its vastness. More than 100 participants from various PU colleges attended this program. The department had also organized a quiz competition and project exhibition competition to exhibit their ideas. Winners are awarded with certificate and prizes.



**Students Participation in Project Model Exhibition**



**Honoring the Award Winners by Principal Dr. M Shivakumar, GSSSIETW**

## **STUDENT PUBLICATION / PARTICIPATION**

1. **Varsha M S of 3<sup>rd</sup> semester** had participated and won the **“Miss Karnataka”** award organized by Government of Karnataka on November, 2018.
2. **Varsha M S of 3<sup>rd</sup> semester** won the **“Miss Mysuru”** award organized by the Mysuru Dasara held at Mysuru on 11<sup>th</sup> October 2018.
3. **G Shreya, Kavya C and Shamitha K R** had participated in the **“Sweden-India Nobel Memorial Quiz 2018”** held at R V College of Engineering , Bengaluru on 3<sup>rd</sup> October 2018
4. **Preethi K, Tanushree M U, Surabhi M S, Raveena A and S Sumi** had participated in **Inter-Colligate Climate and Environment Science Quiz-2018** held at IISc, Bengaluru
5. **Kumari Gunjan, Meghana Thowrath V, Preethi K, Anusha S A , Nisha C and Ganavi V Y,** participated in **“Triathlon Technical Competition”** at VVCE, Mysuru on 8<sup>th</sup> September 2018.

6. **Aishwarya S, Kumari Gunjan, Meghana Thowrath V, Prateeksha M, Raveena A, Safna M T, Spoorthi M Pawar, S Sumi, Surabhi M S and Tanushree M** had attended **“Entrepreneurship Development Camp-2018”**, organized by Entrepreneurship Development Cell at GSSSIETW, Mysuru, from 5<sup>th</sup> to 7<sup>th</sup> September 2018
7. **Simran B A and Lochanna S** had participated in **International symposium on “Traffic Engineering & Management and Disaster Management**, held during August 31<sup>st</sup> and September 1<sup>st</sup>, 2018 at NIE, Mysuru.
8. **K J Neena and Pallavi S** had attended and cleared **“LABView Level 1 CLAD”** exam conducted by **National Instruments** on July 2018.

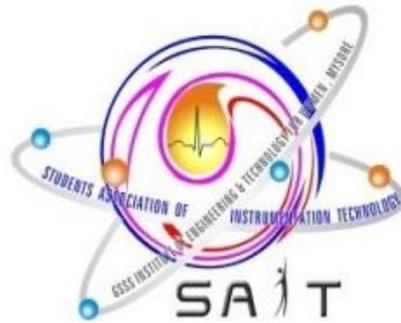
## **FACULTY ACHIEVEMENTS**

1. **Mrs. Lalitha K** attended One week workshop on **“Analysis of Biomedical Signals and there Mathematical Modeling”** at JSS Science and Technology University (SJCE), Mysuru 24<sup>th</sup> to 28<sup>th</sup> December, 2018.
2. **Mr. Sreenivas Rao M V and Dr. M Shivakumar** publishing the paper entitled **“PLX-DAQ based Wireless Battery Monitoring System for obstacle Avoidance Robot”** accepted by Lecture Notes in Electrical Engineer, Springer.
3. **Mr. Sreenivas Rao M V** presented a paper entitled **“ PLX-DAQ based Wireless Battery Monitoring System for obstacle Avoidance Robot”**, in the XV Control Instrumentation System conference CISCON-2018 held at Manipal Institute of Technology, Manipal on 26<sup>th</sup> and 27<sup>th</sup> October, 2018.
4. **Mrs. Amrutha R and Mrs. Sowjanya M N** attended five days FDP on **“IoT and Embedded System Design”** at GSSSIETW, Mysuru from 24<sup>th</sup> to 28<sup>th</sup> September, 2018.
5. **Ms. Nagalakshmi T S** attended two days FDP on **“IoT and Industrial Application”**, at GSSSIETW, Mysuru on 6<sup>th</sup> and 7<sup>th</sup> August, 2018.
6. **Mr. Nagesh M S** attended Five days FEP on **“Analog Electronics Circuit”** at VTU regional Center from 6<sup>th</sup> to 10<sup>th</sup> August, 2018.
7. **Mrs. Pavithra S** had cleared **“LABView Level 1 CLAD”** exam conducted by **National Instruments**, in the month of July 2018.

8. **Mr. M V Sreenivas Rao** attended “**National Symposium on Instrumentation**” at JSS University (SJCE), Mysuru on 13<sup>th</sup> July,2018.
9. **Mr. Basavanna M** attended One week FDP on “**Autonomous Mobile Robots**” at PSG College of Technology, Coimbatore, Tamilnadu from 2<sup>nd</sup> to 7<sup>th</sup> July, 2018.
10. **Ms. Nagalakshmi T S** attended One week FDP on “**Machine Learning** ” at MCE, Hassan from 28<sup>th</sup> June to 02<sup>nd</sup> July, 2018.
11. **Ms.Deepika T V, Mrs. Pavithra S and Mrs. Lalitha K** attended Five Days FDP on “**Internet of Things**” at JSSATE, Bengaluru from 18<sup>th</sup> to 23<sup>rd</sup> June, 2018

## 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.

#### Two days Workshop on “Industrial Automation(PLC,SCADA and VFT)” held during 26<sup>th</sup> and 27<sup>th</sup> October 2018



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized two days workshop on “**Industrial Automation (PLC,SCADA and VFT)**” for 7<sup>th</sup> semester students of E&IE department on 26<sup>th</sup> and 27<sup>th</sup> October,2018 under ISOI Student Chapter. **Mr. Vianysai and Mr.Dhanushkodi**, Application Engineer’s, Axis Global Automation, Bengaluru are the key resource persons for this program.

**Two days workshop on “Industrial Automation in IOT”  
held during 29<sup>th</sup> and 30<sup>th</sup> August 2018**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru in association with **AGIIT , Bengaluru** had organized 2 days workshop on “**Industrial Automation in IOT**” by **Mr. Ajith R**, Application Engineer, AGIIT , Bengaluru for V sem students on 29<sup>th</sup> and 30<sup>th</sup> August 2018.

**Technical Talk on “Sustainable Living” held on 27<sup>th</sup> October 2018**



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Sustainable Living**” for the students of 1<sup>st</sup> semester on **27<sup>th</sup> October 2018** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Ramesh Kikkeri**.Senior Faculty, Swami Vivekananda Institute of Leadership Development, Bengaluru.

**Technical Talk on “Fundamental Principles of Transducers and Instrumentation”  
held on 13<sup>th</sup> October 2018**



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Fundamental Principles of Transducers and Instrumentation**” for the students of 3<sup>rd</sup> semester on **13<sup>th</sup> October 2018** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Chandramouli**, Lead Manager, Yokogawa India Ltd., Bengaluru.

**Technical Talk on “ARM Processor in Industrial Application”  
held on 13<sup>th</sup> October 2018**



The Department of Electronics and Instrumentation, GSSSIETW, Mysuru had organized a Technical talk on “**ARM Processor in Industrial Application**” for the students of 7<sup>th</sup> semester on **13<sup>th</sup> October 2018** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Gurudatt M S**, R & D Engineer, Nokia India Pvt. Ltd., Bangalore.

**Technical Talk on “Application of Process Controllers”  
held on 8<sup>th</sup> September 2018**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Application of Process Controllers**” for the students of 5<sup>th</sup> semester on **8<sup>th</sup> September 2018** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Dhanuskodi C**, Application Engineer, Axis Global Automation, Bengaluru

**Industrial Visit to “KMF”, Mysuru on 06<sup>th</sup> December 2018**



Department had organized an Industrial Visit to “**KMF**”, Mysuru for First Semester Students on 6<sup>th</sup> December 2018.

## Industrial Visit to “Skanray Technologies”, Mysuru on 10<sup>th</sup> November 2018



Department had organized an Industrial Visit to “**Skanray Technology**”, Mysuru for Seventh Semester Students on 10<sup>th</sup> November 2018

## Industrial Visit to “Narayana Hridayala”, Mysuru on 6<sup>th</sup> September 2018



Department had organized an Industrial Visit to “**Narayana Hrudayalaya**”, Mysuru for Fifth Semester Students on 6<sup>th</sup> September 2018

## Industrial Visit to Industrial Visit to “ACE Components”, Mysuru on 18<sup>th</sup> Aug 2018



Department had organized an Industrial Visit to “ACE Components”, Mysuru for Third Semester Students on 18<sup>th</sup> August 2018

## Parent Teachers meeting held on 3<sup>rd</sup> November 2018



Parents teachers Meeting was organized on 3<sup>rd</sup> November 2018 for 3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> Semester students. The meeting was conducted with an aim to discuss about performance of students in the internal assessment 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