



# NEWSLETTER ODD SEMESTER 2017

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

(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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## DEPARTMENTAL ACHIEVEMENTS:

### 3 day Faculty Development Programme on “Current Research Trends in Autonomous Robotics” Held from 17<sup>th</sup> to 19<sup>th</sup> July 2017



The department of Electronics & Instrumentation Engineering of GSSS Institute of Engineering and Technology for Women, Mysuru had organized 3 Day Faculty Development Programme on “**Current Research Trends in Autonomous Robotics**” from 17<sup>th</sup> to 19<sup>th</sup> July 2017. The chief Guest *Mr. Nagendra R Setty*, Founder & CEO, Ideas Unlimited, Mysuru delivered the Key Note Address on “**Practical & Real world Robots**” to the participants.

## 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 “IOT” held on 18<sup>th</sup> & 19<sup>th</sup> August 2017



The Department of Electronics and Instrumentation Engineering had organized two days workshop on “IOT” for 7<sup>th</sup> semester students of E&IE department on 18<sup>th</sup> & 19<sup>th</sup> August 2017 under ISOI Student Chapter. **Mr. Vamsi Krishna C H**, Business development manager, Rays Technologies, Bengaluru was the key resource persons for this program.

## Two days Workshop on “Analog and Digital Electronics” on 8<sup>th</sup> & 9<sup>th</sup> August 2017



The Department of Electronics and Instrumentation Engineering had organized two days workshop on “**Analog and Digital Electronics**” for 3<sup>rd</sup> semester students of E&IE department on 8<sup>th</sup> & 9<sup>th</sup> August 2017 under ISOI Student Chapter. **Mr. Santhosh.D.K**, Embedded design Engineer, ADS Technologies, Bengaluru was the key resource persons for this program.

## Two days Workshop on “Field Instrumentation in Process Control” by AGIIT held during 15<sup>th</sup> & 16<sup>th</sup> May 2017



The Department of Electronics & Instrumentation Engineering of GSSSIETW, Mysuru in association Axis Global Institute of Industrial Training (AGIIT), Bengaluru, had organized a two days workshop on “**Field Instrumentation in process Control**” for 4<sup>th</sup> semester students of EIE department on 15<sup>th</sup> & 16<sup>th</sup> May 2017. **Mr. Jijo Christo, Mr. Abhiram kumar T and Mr. P Harish Reddy**, Application Engineers, AGIIT, Bengaluru were the resource persons for this program

**Technical talk on “Recent development in Scaling technology”  
held on 28<sup>th</sup> October 2017**



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Recent development in Scaling technology**” for the students of 7<sup>th</sup> semester on **28<sup>th</sup> October 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Anil**, Design Engineer Infineon, Bengaluru.

**Technical talk on “Latest trends in Process Controller”  
held on 28<sup>th</sup> October 2017**



The Department of Electronics and Instrumentation, GSSSIETW, Mysuru had organized a Technical talk on “**Latest trends in Process Controller**” for the students of 3<sup>rd</sup> semester on **28<sup>th</sup> October 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Gurudutt M S**, Module Lead, Alten Calsoft Labs India Pvt. Ltd., Bengaluru.

**Technical talk on “Advances in Electronics”  
held on 28<sup>th</sup> October 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Advances in Electronics**” for the students of 1<sup>st</sup> semester on **28<sup>th</sup> October 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Santhosh Kumar D K**, Embedded Design Engineer, IDS Technologies, Bengaluru

**Technical talk on “Industrial Robotics”  
held on 23<sup>rd</sup> October 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Industrial Robotics**” for the students of 7<sup>th</sup> semester on **23<sup>rd</sup> October 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Vijay**, Chief Executive Officer, Vuon Technologies, Mysuru

**Technical talk on “Emerging trends in Signal Processing”  
held on 23<sup>rd</sup> October 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a **Technical talk on “Emerging trends in Signal Processing”** for 5<sup>th</sup> semester students on **23<sup>rd</sup> October 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Vinay**, Associate Project Manager Robert Bosch, Bengaluru

**Technical talk on “Development of Computers and Instruments (Hardware & Networking) with its Application” held on 23<sup>rd</sup> October 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a **Technical talk on “Development of Computers and Instruments (Hardware & Networking) with its Application”** for 3<sup>rd</sup> semester students on **23<sup>rd</sup> October 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Radha Krishna**, Placement Coordinator, Bosch Skills India, Bengaluru

**Technical talk on “Ares of Automation in Pesticide manufacturing”  
held on 9<sup>th</sup> September 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Ares of Automation in Pesticide manufacturing**” for 7<sup>th</sup> semester students on **9<sup>th</sup> September 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. K. S. N Prasad**, President Pesticides Manufacturers & Formulators Association of Karnataka, Bengaluru

**Technical talk on “Recent Development in Hardware & Networking”  
held on 9<sup>th</sup> September 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Recent Development in Hardware & Networking**” for 5<sup>th</sup> semester students on **9<sup>th</sup> September 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Radha Krishna**, Project Coordinator, Bosch Skills India, Bengaluru

**Technical talk on “Know your Surroundings – Sustainable Living”  
held on 9<sup>th</sup> September 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Know your Surroundings – Sustainable Living**” for 1<sup>st</sup> & 3<sup>rd</sup> semester students on **9<sup>th</sup> September 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Ramesh S Kikkeri**, Senior Faculty, Swami Vivekananda Institute for Leadership Development (VLEAD), Mysore

**Technical talk on “Virtual Instrumentation based computer measurement & Control applications” held on 19<sup>th</sup> August 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Virtual Instrumentation based computer measurement & Control applications**” for 5<sup>th</sup> semester students on **19<sup>th</sup> August 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Kotresh K R**, Founder Director, MacMi, Bengaluru

**Technical talk on “Fundamental Principles of Transducer & Instrumentation”  
held on 19<sup>th</sup> August 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Fundamental Principles of Transducer & Instrumentation**” for 3<sup>rd</sup> semester students on **19<sup>th</sup> August 2017** 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 “Fundamentals of Programming”  
held on 19<sup>th</sup> August 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Fundamentals of Programming**” for 1<sup>st</sup> semester students on **19<sup>th</sup> August 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Sai Prasad**, Senior Software Engineer, Excel Soft, Bengaluru

**Technical talk on “Modern v/s Conventional Electronic Circuits”  
held on 12<sup>th</sup> August 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Modern v/s Conventional Electronic Circuits**” for 5<sup>th</sup> semester students on **12<sup>th</sup> August 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Chethan Kumar K**, 4G Team Member, Intel Mobile Communication, Bengaluru

**Technical talk on “Modern v/s Conventional Electronic Circuits”  
held on 12<sup>th</sup> August 2017**



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Modern v/s Conventional Electronic Circuits**” for 3<sup>rd</sup> semester students on **12<sup>th</sup> August 2017** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Chethan Kumar K**, 4G Team Member, Intel Mobile Communication, Bengaluru

## Technical talk on “Skill Development Program” held on 12<sup>th</sup> August 2017



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Skill Development Program**” for 1<sup>st</sup> semester students on **12<sup>th</sup> August 2017** under Instrument Society of India (ISOI) Student Chapter. The technical talk was delivered by department Faculties

## Industrial Visit to “Nestle India Pvt. Ltd.” on 24<sup>th</sup> October 2017



Department has organized an Industrial Visit “Nestle India Pvt. Ltd”, Nanjangud for Fifth Semester Students on  
24th October 2017

**Visit to “Susthira – Eco friendly House, Mysore  
on 23<sup>rd</sup> September 2017**



Department has organized an Visit to “Susthira - Eco friendly house”, (Nominated as best house of karnataka) Mysuru for First Semester Students on 23<sup>rd</sup> September 2017

**Industrial Visit to “ACE Components”  
on 9<sup>th</sup> September 2017**



Department has organized an Industrial Visit “ACE Components”, Mysuru for Third Semester Students on 9<sup>th</sup> September 2017

## FACULTY ACHIEVEMENTS


1. **Dr. M Shivakumar** Working as Principal, GSSSIETW, Mysuru.
2. **Dr. M Shivakumar** worked as DEAN (Academics), GSSSIETW, Mysuru
3. **Dr. M Shivakumar** Working as BOE chairman for EIE, IT, BM, ML courses under VTU.
4. **Dr. M Shivakumar** worked as Chief coordinator for 3 day FDP on "**Current Research Trends in Autonomous Robotics**" from 17<sup>th</sup> to 19<sup>th</sup> July 2017 at GSSSIETW, Mysuru.
5. **All the faculties of EIE department** have coordinated for the successful conduction of Faculty Development Programme on "**Current Research Trends in Autonomous Robotics**" from 17<sup>th</sup> to 19<sup>th</sup> July 2017 at GSSSIETW, Mysuru.
6. **Mr. M V Sreenivas Rao** presented a paper in two day state level paper presentation competition on **Mechatronics and Humatronics** held on 25<sup>th</sup> & 26<sup>th</sup> October 2017.
7. **Mr. M V Sreenivas Rao** attended two day e-Yantra ymposium (e-YS-2017) held at IIT, Bombay on 7<sup>th</sup> & 8<sup>th</sup> April 2017.
8. **Mr. M V Sreenivas Rao, Lalitha K, Mahanthesh U, Sowjanya M N, Stafford Michahial, Basavanna M, Deepika T V, Pavithra S, Nagesh M S, Nagalakshmi T S** attended 3day FDP on "**Current Research Trends in Autonomous Robotics**" from 17<sup>th</sup> to 19<sup>th</sup> July 2017 at GSSSIETW, Mysuru.
9. **Ms. Deepika T V** delivered an invited talk on "**Signal conditioning Circuits**" at department of electronics, MMK & SDM college, Mysuru on 30<sup>th</sup> September 2017.
10. **Lalitha K, Deepika T V, Sowjanya M N** attended workshop on "**MATLAB 7**" at VVCE, Mysuru from 28<sup>th</sup> to 31<sup>st</sup> July 2017.
11. **Mahanthesh U** Participated in Two days FDP on "Faculty Effectiveness Enhancement Training" at Supragev training and Development centre.
12. **M V Sreenivas Rao, Lalitha K, Mahanthesh U, Sowjanya M N, Stafford Michahial, Basavanna M, Deepika T V, Nagesh M S** attended one day FDP on "Research Methodology" at GSSSIETW, Mysuru on 9<sup>th</sup> June 2017.
13. **Stafford Michahial** published a paper titled "**A Novel Algorithm to Select a Region of Interest Automatically in Breast Ultra Sound Images**" in Indian Journal of Science & Technology, June 2017.
14. **Nagesh M S** Presented a paper titled "**Automatic Fire Fighting Robot**" in National Conference on Sustainable Engineering and Management (NCSEM-17), on 26<sup>th</sup> May 2017 at TOCE, Bengaluru.
15. **M V Sreenivas Rao, Basavanna M** published a paper titled "**Device Control Using Intelligent Switch**" in International Journal of Advanced Research in Computer and Communication Engineering. Vol 6, Issue 5, May 2017.

## STUDENTS ACHIEVEMENTS

1. **Nagashree M, Dhanya K M, Rachana Gowda H C** attended Five days National Level workshop on “**Applications of Advance Embeded System using Lab-VIEW and Arduino**” from 27<sup>th</sup> to 31<sup>st</sup> October 2017 at ATME, Mysuru.
2. **S Sumi, Raveena A, Safna MT, Tanushree MU, Surabi MS, Deepika Gunjan, Meghana V, Raziya Sultana, Swathi M, Vaishnavi D, Swathi M, Sruthi NS, Bindushree, Sufia, Feerha Rafeeque** attended **TEXPARK-2017**, on 4<sup>th</sup> November 2017 at GSSSIETW, Mysuru.
3. **Sushmitha C, Harshitha A S** attended **Quizoholic Inter college quiz competition** on 28<sup>th</sup> October 2017 at VVCE, Mysore
4. **Vaishnavi Diggavi, Swathi Murlidhar, Bagya Joythi M patil, Simran B A, Hiba Fathima** attended “**Climate Change Quiz**” on 4<sup>th</sup> September at IISc, Bangalore
5. **Dhanya KM, Nagashree M, Prathiba P** attended **IT Olympiad** on 9<sup>th</sup> August 2017.
6. **Dhanya KM, Nagashree M, Aishwarya K, Chandana S** presented Paper at **Techzone-2017**, National level technical symposium at JNNC, Shivamoga from 5<sup>th</sup> to 7<sup>th</sup> of May, 2017
7. **Akshatha K** attended Workshop on “**Building Skills for women Entrepreneurs**” on 28<sup>th</sup> April 2017 at VVIET, Mysuru

## University Level Achievers

### Visvesvaraya Technological University Rank Holders

SL NO	Name	Rank	Percentage	Photo	Academic Year
1	TEJASWINI H V	8	80.64%		2016-17

## DEPARTMENTAL ACHIEVERS (EVEN SEMESTER - 2017)

### Semester – VIII

#### I TOPPER



**ANUSHREE K**  
(4GW13IT005)  
IT-84.67%

#### II TOPPER



**FARZEEN SULTANA**  
(4GW13IT011)  
IT-83.47%

#### III TOPPER



**TEJASWINI H V**  
(4GW13IT044)  
IT-83.20%

### Semester – VI

#### I TOPPER



**N HARSHITHA  
SUBBIAH**  
(4GW14EI025)  
80.22%

#### II TOPPER



**PRATHIBHA**  
(4GW14EI037)  
76.22

#### III TOPPER



**PUNYASHREE**  
(4GW14EI038)  
76.11%

## Semester – IV

### I TOPPER



**RAZIQUA M**  
**(4GW15EI024)**  
**79.26%**

### II TOPPER



**SYEDA AFREEN**  
**SAHER**  
**(4GW15EI036)**  
**75.75%**

### III TOPPER



**ASHA G P**  
**(4GW15EI003)**  
**74.62%**

## Semester – II

### I TOPPER



**S SUMI**  
**(4GW16EI033)**  
**638**

### II TOPPER



**Tanushree M U**  
**(4GW16EI046)**  
**587**

### III TOPPER



**Sowrabha K M**  
**(4GW16EI041)**  
**584**

## PLACEMENTS

Sl No	Name of the Student	USN	Placed in
1	K J NEENA	4GW14IT006	
2	NAMRATHA B RAJ	4GW14EI028	
3	POONAM DESHPANDE	4GW14EI036	
4	ANUSHA G	4GW14EI004	
5	BEENA N	4GW14EI006	
6	DEEPTHI M B	4GW14EI009	
7	HARSHITHA B	4GW14EI015	
8	N HARSHITA SUBBAIAH	4GW14EI025	
9	PUNYASHREE B S	4GW14EI038	
10	RACHANA GOWDA H C	4GW14EI040	
11	SAHANA P	4GW14EI044	
12	SHUMILA AFSHAN	4GW14EI047	
13	SUSHMA R	4GW14EI054	
14	THEJASHWINI R	4GW14EI055	
15	CHANDANA P	4GW13IT008	
16	ANEESHMA	4GW13IT004	



## **EDITORIAL TEAM**

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

**Nagesh M S**, Assistant Professor, Department of EIE