



NEWSLETTER EVEN 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

(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 : hodit@gsss.edu.in

STUDENTS ACHIEVEMENTS

PLACEMENTS

Sl No	Name of the Student	USN	Placed Company	CTC Package
1	Namratha B Raj	4GW14EI028		3.50LPA
2	K J Neena	4GW14IT006		3.30LPA
3	Prathibha P	4GW14EI037		3.25LPA
4	Nagashree M	4GW14EI026		3.00LPA
5	Poonam Deshpande	4GW14EI036		2.75LPA
6	Sushma R	4GW14EI054		1.86LPA
7	Apoorva B V	4GW14EI002		1.80LPA
8	Akshatha K	4GW14EI001		1.80LPA
9	Meghashree M D	4GW14EI024		1.80LPA
10	Anusha G	4GW14EI004		1.80LPA
11	Sahana P	4GW14EI044		1.80LPA
12	Rashmi R	4GW14EI042		1.80LPA
13	Ganavi D	4GW14EI014		1.80LPA
14	Najala Nadeem	4GW14EI027		1.80LPA
15	Harshitha B	4GW14EI015		1.80LPA

16	Beena N	4GW14EI006		1.80LPA
17	Chandana P	4GW13IT008		1.80LPA
18	N Harshita Subbaiah	4GW14EI025		1.74LPA
19	Thejashwini R	4GW14EI055		1.74LPA
20	Punyashree B S	4GW14EI038		1.74LPA
21	Rachana Gowda H C	4GW14EI040		1.74LPA
22	Deepthi M B	4GW14EI009		1.68LPA
23	Anusha G	4GW14EI004		1.68LPA
24	Sahana P	4GW14EI044		1.68LPA
25	Shumila Afshan	4GW14EI047		1.68LPA
26	Anishma P V	4GW13IT004		1.56LPA
27	Beena N	4GW14EI006		---

University Level Achievers

Visvesvaraya Technological University Rank Holders

SL NO	Name	Rank	Percentage	Photo	Year
1	TEJASWINI H V	8	80.64%		2017

DEPARTMENTAL ACHIEVERS (ODD SEMESTER - 2017)

Semester – VII

First Topper



PRATHIBHA P
4GW14EI037
79.44% (715)

First Topper



N HARSHITHA
4GW14EI025
79.44% (715)

Second Topper



PUNYASHREE
4GW14EI038
77.00% (693)

Semester – V

First Topper



SUKRUTHI N S
4GW15EI033
80.22% (690)

Second Topper



RAZIQUA M
4GW15EI024
76.22 (669)

Third Topper



SYEDA AFREN SAHER
4GW15EI036
76.11% (653)

Semester – III

First Topper



SUMI S
4GW16EI033
83.75% (670)

Second Topper



TANUSHREE M U
4GW16EI046
82.75% (662)

Third Topper



PREETHI K
4GW16EI029
78.00% (624)

Semester – I

First Topper



SRIJEETA DEV
(4GW16EI033)
89.00% (623)

Second Topper



JUWAYRIAH
(4GW16EI046)
83.42% (584)

Third Topper



RAKSHITHA R
(4GW16EI041)
82.71% (579)

DEPARTMENTAL ACHIEVEMENTS:

Second National Conference on “Robotics, Automation, Control and Embedded Systems” (NCRACES-2018) Held on 7th May 2018



The department of Electronics and Instrumentation Engineering of GSSS Institute of Engineering and Technology for Women, Mysuru had organized Second “**National Conference on Robotics, Automation, Control And Embedded Systems (NCRACES-2018)**” on 7th May 2018. The **chief Guest Smt. Kalpana Arvind**, Group Director, Photonics System Group, LEOS, Bengaluru delivered the Key Note Address on “**Technological Advancement in the Field of Attitude Sensing for Satellite**” and **Guest of Honor Mr. Benild Joseph**, Information Security Advisor, Government of India delivered the Key Note Address on “**Cyber Security**” to the students and participants.

MEMORANDUM OF UNDERSTANDING(MOU)



A **Memorandum of Understanding (MoU)** was signed between GSSS Institute of Engineering and Technology for Women (GSSSIETW), Mysuru and RobotGuru, Mysuru to motivate and support the students and to enhance their skills and knowledge for the technological up gradation, innovation and competitiveness in the field of robotics.

STUDENT PUBLICATION / PARTICIPATION

1. **Anusha G, Ganavi D, Revathi H, Sahana P** received a best paper award for the paper titled **“Robotic Arm Manipulation Using Shape and Color Based On Visual Servoing”** in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** held on **7th May 2018** at **GSSSIETW, Mysuru**.
2. **Akshatha K, Apoorva B V, Namratha B Raj, Nandini H M,** presented a paper titled **“Process Control Automation of Paper Pulp Using PLC”** in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on **7th May 2018** at **GSSSIETW, Mysuru**.
3. **Anusha G, Ganavi D, Revathi H, Sahana P** presented a paper titled **“Robotic Arm Manipulation Using Shape and Color Based On Visual Servoing”** in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** held on **7th May 2018** at **GSSSIETW, Mysuru**.
4. **Beena N, Shweta, Varuni N S, Rashmi G V,** presented a paper titled **“Terrain Surveillance & Autonomous Docking Robot”** in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on **7th May 2018** at **GSSSIETW, Mysuru**.
5. **Anishma P V, Chandana P, Poornima M K,** presented a paper titled **“ Soldier Tracking And Information Gathering System Using GPS ,GSM And Smart Phone”** in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on **7th May 2018** at **GSSSIETW, Mysuru**.
6. **Najala Nadeem Abdul, Noor Afsha, Prathiba P, Rashmi Rakesh Haval,** presented a paper titled **“Monitoring of FMS Machine Coolant Motors Using Microcontroller And Bluetooth Module for Easy Troubleshooting”** in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on **7th May 2018** at **GSSSIETW, Mysuru**.
7. **Kavana R, Shwetha M, Sushma R, Thejashwini R,** presented a paper titled **“Wireless Communication Between Engine Test Cell and Console Corridor Control Panel”** in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on **7th May 2018** at **GSSSIETW, Mysuru**.
8. **Bhumika Murthy G, Dikshitha M, Madhushree L C, Navyashree S,** presented a paper titled **“Design of Smart ECU for Automobiles”** in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on **7th May 2018** at **GSSSIETW, Mysuru**.

9. **Aneesha P, Deepthi M B, Neena K J, Pooja P**, presented a paper titled “**Design and Development of Cyclist Jacket**” in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on 7th May 2018 at GSSSIETW, Mysuru.
10. **Mahima R, Meghashree M D, Pallavi G, Rachana D Nayaka**, presented a paper titled “**Automatic Multi-Level Car Parking System**” in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on 7th May 2018 at GSSSIETW, Mysuru.
11. **Dhanya K M, Naghashree M, Navyashree G S, Poonam Deshpande**, presented a paper titled “**Gesture Based Human Robot Interaction System Using Raspberry Pi**” in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on 7th May 2018 at GSSSIETW, Mysuru.
12. **Megha Ramesh, N Harshita Subbaiah, Punyashree B S, Rachana Gowda H**, presented a paper titled “**Solid Waste Management Using IoT**” in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on 7th May 2018 at GSSSIETW, Mysuru.
13. **Numitha M N, Taha Noorain, Amulya S Patil, Navyashree H V**, presented a paper titled “**Face Recognition And Iot Based Smart Lock Access System**” in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on 7th May 2018 at GSSSIETW, Mysuru.
14. **Sushmitha C and Bindya R**, participated in the statewide Engineering IT Quiz **TCS Tech Bytes-2018**, organized by the board of **IT Education Standards (BITES) and Tata Consultancy Services** at SJCE, Mysuru on March 2018
15. **Preethi K**, participated in **SDLC Build Project / Web Mania /Green Brain / Code Strom / Word Build as a part of Techno Spectrum, National Level Tehnical Competition**, held on 4th April 2018 at GSSSIETW, Mysuru.
16. **Hiba Fathima and Vaishnavi Diggavi**, participated in the statewide Engineering IT Quiz **TCS Tech Bytes-2018**, organized by the board of **IT Education Standards (BITES) and Tata Consultancy Services** at SJCE, Mysuru on March 2018
17. **Preethi K** Participated in “**CRUCIBLE – The Campus Quiz-2018**”, organized by **TATA Consultancy** on 20th March 2018 at GSSSIETW, Mysuru.

FACULTY ACHIEVEMENTS

1. **Dr. Venkatratnam Chitturi** worked as Organizing Chair for Second “**National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)**” on 7th May 2018 at GSSSIETW, Mysuru.
2. **All the faculties of EIE department** have coordinated for the successful conduction of Second “**National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)**” on 7th May 2018 at GSSSIETW, Mysuru.
3. **Nagesh M S** published a paper titled “**Multipurpose Cleaning Robot**” in International Journal for Scientific and Advance Research in Technology (IJSART), May 2018
4. **Deepika T V, Nagalakshmi T S, Basavanna M,** presented a paper titled “**Implementation of Dumb Sign to Speech Using MATLAB**” in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on 7th May 2018 at GSSSIETW, Mysuru
5. **Lalitha K, Sowjanya M N, Pavithra S,** presented a paper titled “**A Secured Vehicle Parking Management and Reservation System Using Zigbee and GSM Technology**” in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on 7th May 2018 at GSSSIETW, Mysuru
6. **Nagesh M S, Neetha N, Amrutha R,** presented a paper titled “**PLC Based Diesel Generator Automation**” in the **Second National Conference on Robotics, Automation, Control and Embedded Systems (NCRACES-2018)** on 7th May 2018 at GSSSIETW, Mysuru
7. **Dr. Venkatratnam C & Mr. Basavanna M** resource persons for one day Workshop on “**Basic Electronics & Instrumentation Devices**” for 2nd semester students held on 28th April 2018 at GSSSIETW, Mysuru
8. **Mr. Sreenivas Rao M V, Mr. Nagesh M S & Mr. Basavanna M** resource persons for “**Hands on Training: Robotic Competition – ROBOTEER 2018**” held on 28th April 2018 at GSSSIETW, Mysuru
9. **Mrs. Pavithra S & Ms. Deepika T V,** resource persons for “**P-Spice Simulation**” for 4th semester students held on 21st April 2018 at GSSSIETW, Mysuru

- 10. Dr. Venkatratnam Chitturi** presented a paper titled “**An Alternate Voltage Controlled Current Source for Electrical Impedance Tomography Applications**” Springer, International Conference on Data Analytics and Learning (DAL-2018) on March 2018.
- 11. Mr. M V Sreenivas Rao** attended one day workshop on “**AICTE Model Curriculum**” at BMSCE, Bengaluru on 12th March 2018.
- 12. Mr. Basavanna M** attended two day “**e-Yantra Robotic Symposium**” organized by IIT Bombay on 24th & 25th March 2018.
- 13. Nagalakshmi T S** attended three day FDP on “**Embedded controller lab using Arm Cortex – M3**” at JSSATE, Bengaluru from 4th to 6th January 2018
- 14. Dr. Venkatratnam Chitturi** published a paper titled “**Spatial Resolution in Electrical Impedance Tomography: A Topical Review**” Journal of Electrical Bioimpedance, July 2017.

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.

Hands on Training : Robotic Competition “ROBOTEER-2018” held on 28th April 2018



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized “Hands on Training: Robotic Competition – ROBOTEER 2018” for 4th semester students on 28th April 2018 under ISOI student chapter. **Mr. Sreenivas Rao M V**, Assoc. Prof., **Mr. Nagesh M S** & **Mr. Basavanna M**, Asst. Prof, Dept. of EIE, were the resource persons for this program.

One day Workshop on “Basic Electronics & Instrumentation Devices” held on 28th April 2018



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized one day Workshop on “**Basic Electronics & Instrumentation Devices**” for 2nd semester students on 28th April 2018 under ISOI student chapter. **Dr. Venkatratnam C**, Assoc. Prof. & Head and **Mr. Basavanna M**, Asst. Prof, Dept. of EIE, were the resource persons for this program.

Five days workshop on “Measurement & Automation using NI myRIO” held during 23rd to 27th April 2018



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized five days Workshop on “**Measurement & Automation using NI myRIO**” for 8th semester students from 23rd to 27th April 2018 under ISOI student chapter. **Mr. Nagarajan G**, Senior Applications Engineer VI Solutions, Bangalore was the resource person for this program.

One day Workshop on “P-Spice Simulation” held on 21st April 2018



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized one day workshop on “**P-Spice Simulation**” for 4th semester students on 21st April 2018 under ISOI student chapter. **Mrs. Pavithra S & Ms. Deepika T V**, Asst. Prof, Dept. of EIE, were the resource persons for this program.

Two days Workshop on “RGBD face Detection and Body tracking using kinect”, by Robot Guru, Mysuru held during 30th & 31st January 2018



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru in association with Robot Guru, Mysuru had organized two days workshop on “**RGBD Face Detection and Body Tracking Using Kinect**” for 4th semester students of EIE department on 30th & 31st January 2018 under ISOI Student Chapter. **Dr. T Kasar & Mr. Stafford Michahial**, Robot Guru, Mysuru were the resource persons for this program

Three days Workshop on “IT/OT Convergence” held during 29th to 31st January 2018



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized three days workshop on “IT/OT Convergence” for 4th semester students of E&IE department on 29th to 31st January 2018 under ISOI Student Chapter. **Mr. Chandramouli A**, Lead Manager, Customer Service Division, Yokogawa India Ltd, Bengaluru was the key resource persons for this program.

Five days workshop on “DAQ Training using myDAQ” held during 8th to 12th January 2018



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru Mysuru in association with VI Solutions, Bengaluru had organized two days workshop on “DAQ Training using myDAQ” for 8th semester students of E&IE department on 8th & 12th January 2018 under ISOI Student Chapter. **Mr. Prashanth A**, Senior Applications Engineer, VI Solutions, Bengaluru was the key resource persons for this program.

**Technical Talk on “Awareness programme on Non Destructive Testing”
held on 28th April 2018**



The Department of Electronics & Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Awareness programme on Non Destructive Testing**” for the students of 6th semester on **28th April 2018** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Madhusudhan K T**, Senior Member, IRIS, Mysuru.

**Technical Talk on “ Industrial Perspective”
held on 8th March 2018**



The Department of Electronics and Instrumentation, GSSSIETW, Mysuru had organized a Technical talk on “**Industrial Perspective**” for the students of 8th semester on **8th March 2018** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Gururaj** Senior Member, ISA, Bangalore Section

Technical Talk on “Analytical Instrumentation and its Application” held on 24th Feb 2018



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Analytical Instrumentation and its Application**” for the students of 4th semester on **24th February 2018** under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mr. Anbalagan K**, Senior Technician, CFTRI, Mysuru

Technical talk on “Nutritional values of different grains & health benefits” held on 10th February 2018



The Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized a Technical talk on “**Nutritional values of different grains & health benefits**” for the students of 2nd semester on 10th February 2018 under Instrument Society of India (ISOI) Student Chapter. The resource person for the technical talk was **Mrs. Shruthi Pandey**, Senior Scientist, Dept. of Grain Science & Technology, CSIR – CFTRI, Mysuru

Industrial Visit to “Chemin Controls and Instrumentation Pvt Ltd”

Pondicherry, Tamil Nadu on 28th April 2018



Department has organized an Industrial Visit to “Chemin Controls and Instrumentation Pvt Ltd”, Pondicherry for Eighth Semester Students on 28th April 2018

Industrial Visit to Industrial Visit to “Bharat Earth Movers Limited”, Mysuru on 21st April 2018



Department has organized an Industrial Visit to “Bharat Earth Movers Limited”, Mysuru for Second Semester Students on 21st April 2018

**Industrial Visit to Industrial Visit to “Kaynes Pvt. Ltd.”, Mysuru
on 5th April 2018**



Department has organized an Industrial Visit to “**Kaynes Pvt Ltd**”, Mysuru
for Sixth Semester Students on 5th April 2018

**Industrial Visit to Industrial Visit to “Central Food Technological Research
Institute”, Mysuru on 28th Feb 2018**



Department has organized an Industrial Visit to “**Central Food Technological Research Institute**”, Mysuru
for Fourth Semester Students on 28th April 2018

Parent Teachers meeting held on 28th April 2018



Parents teachers Meeting was organized on 28th April 2018 for 2nd, 4th & 8th 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

Mr. Nagesh M S, Assistant Professor, Department of EIE