

**Faculty Contributions:**

**Publications/Workshop/Industrial Visit:**

- Mr.G KIRAN KUMAR organized one faculty improvement program on Internet of Things in GIST in association with APSSDC from 09-03-2020 to 14-03-2020.
- Mr.G KIRAN KUMAR attended one faculty improvement program on Internet of Things in GIST in association with APSSDC from 09-03-2020 to 14-03-2020.
- Dr. P.Rahul Reddy attended one faculty improvement program on Internet of Things in GIST in association with APSSDC from 09-03-2020 to 14-03-2020.
- K.Radhika attended one faculty improvement program on Internet of Things in GIST in association with APSSDC from 09-03-2020 to 14-03-2020.
- Dr.A.Kishore Reddy attended one faculty improvement program on Internet of Things in GIST in association with APSSDC from 09-03-2020 to 14-03-2020.
- K.Radhika attended One Day workshop on Arduino organized by IIT-Bombay In GIST, Nellore on 8-2-2020.
- K.Radhika attended Fundamentals of Deep Learning for Computer Vision Workshop organized by NVIDIA Deep Learning Institute , Nellore on 26-3-2020.

**Student Achievements:**

**Prizes Won/PPT/Poster/Workshop/Online Courses:**

- Sana Supriya (182U5A0411) participated in TIVA-online contest organized by Texas Instruments on 31/3/2020.
- Katavuri Chandrakala (182U1A0467) participated in WEBINARS LEARN BASIC ANDROID APP DEVELOPMENT TECHNIQUES IN AN HOUR organized by Saveetha Engineering College on 31/3/2020.
- Tejaswi Gangavarapu (172U1A0483), Shaik Shanvaz (172u1a04c1), Nikhil Pulluru (172u1a04b2) participated in Online Certification Course Fundamentals of deep learning for computer vision organized by NVIDIA Deep Learning Institute on 26/03/2020.
- SV.Adithya (172U1A0443), Sana Supriya (182U5A0411), participated in Online Certification Course Fundamentals of deep learning for computer vision organized by NVIDIA Deep Learning Institute on 25/03/2020.
- G.Sravya (172U1A0421), P.Likhitha (172U1A0434), Divyasri vellampalli (172U1A04C5), Mohammed Uzma (172U1A0430) participated in Online Certification Course Fundamentals of deep learning for computer vision organized by NVIDIA Deep Learning Institute on 25/03/2020.
- Donthamsetty Gayathri (172U1A0417) participated in paper and project presentation in AAVISHKAR-2020 dated on 3/3/2020 organized by IETE student branch of NBKR IST and won PRIZE.
- Pabolu Likhitha (172U1A0434) participated in project presentation in ASVISHKAR-2020 dated on 3/3/2020 organized by IETE student branch of NBKR IST.
- Gundeboina Sravya (172U1A0421), participated in project presentation in ASVISHKAR-2020 dated on 3/3/2020 organized by IETE student branch of NBKR IST.

- Y.shanvitha (182u1a04h6) participated in paper presentation in ASVISHKAR-2020 dated on 3/3/2020 organized by IETE student branch of NBKR IST.
- Neelisetty Basava Meghana (182U1A04A3), Penubolu Siva Mala(182U1A04B5) participated in paper presentation Synergy 2.0 organized by Raos educational institutions on 29/02/2020 and Won prize.
- Neelisetty Basava Meghana (182U1A04A3) participated in One minute speech Synergy 2.0 organized by Raos educational institutions on 29/02/2020 and Won prize.
- Shaik Shabana (182U1A04E5) participated in paper presentation organized by Vits college of institution on 15/02/2020 and Won prize.
- SYED NAFEESA (182U1A04F7) participated in paper presentation TECHHERTZ 2020 organized by Visvodaya Technical Academy on 08/02/2020 and Won prize.
- Voleti Veda Priya Rani (162U1A04H3) participated in Internshala student partner program organized by Internshala on 10/01/2020

**University examinations held on November 2019 Results:**

**III Year Toppers**

|            |                      |      |
|------------|----------------------|------|
| 182U1A04D0 | SATRAPALLI TEJASWINI | 9.18 |
| 182U1A04B5 | PENUBOLU SIVA MALA   | 9.05 |
| 182U1A04E1 | SHAIK SABREEN        | 9.05 |

**III Year Toppers**

|            |                     |      |
|------------|---------------------|------|
| 172U1A0451 | SWAROOPA BELLAM     | 8.91 |
| 172U1A0430 | MOHAMMED UZMA       | 8.77 |
| 172U1A0439 | PUCHAKAYALA SAHITHI | 8.77 |

**IV Year Toppers**

|            |                        |      |
|------------|------------------------|------|
| 162U1A04C1 | PEJJAI NARMADA         | 8.77 |
| 162U1A04H3 | VOLETI VEDA PRIYA RANI | 8.77 |
| 162U1A04G4 | THUMMALA KEERTHI PRIYA | 8.50 |
| 162U1A04A6 | NARRA MUNI PRIYA       | 8.50 |

**Events Organized:**

**“One-Week Hands on Training in Python Programming”**



One-week “Hands on training in Python programming” was organized for B.Tech III Year ECE students by the department of ECE in association with IETE, Tirupati and AMPHISOFT Technologies, Coimbatore at NB-103,104,105 from 12<sup>th</sup> to 18<sup>th</sup> February 2020.

**A Guest lecture on “Storage Area Network”: A Report**

“A Guest Lecture session on Storage Area Network” was organized by ECE on 17/02/2020 by Mr.Jyothi Vinay, Technical lead Engineer, Prodapt solutions Pvt. Ltd, Bangalore.



**One week faculty improvement program on Internet of things**



“A one week faculty development program on Internet of Things was organized by department of Electronics and communication engineering in association with Andhra Pradesh state Skill development corporation, Amaravati, from 09/03/2020 to 14/03/2020 at Vikramasrabhai block, VB 107, APSSDC lab.

**PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

**PEO1:** Apply Engineering concepts to solve Electronics and Communication Engineering problems of social relevance.

**PEO2:** Design and develop Electronic devices and Systems for Industry or pursue research.

**PEO3:** Demonstrate competencies through continuous learning and adapt to multi-disciplinary environment.

**PEO4:** Practice professional values and contribute to the societal needs.

**PROGRAM SPECIFIC OUTCOMES (PSOs)**

**PSO1: Professional Skills:** Apply principles of Analog and Digital Electronics, Communication Systems, Image processing, VLSI and Embedded Systems to solve diverse problems.

**PSO2: Software Knowledge:** Develop solutions for complex engineering problems of social relevance by employing Xilinx, CC Studio, Micro Wind, Keil, NG Spice, Scilab tools.

**Editorial Board:**

1. M. Sivakrishna, Asst. Professor,
2. C.Durga Tejaswi, Asst. Professor

**Student Members:**

1. P.Bhagya Lakshmi (III ECE),
2. Sk. Hafeez (III ECE),
3. D.Yashwanth (II ECE),
4. Sk.Muthahar(II ECE)



GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY  
(Approved by AICTE, New Delhi & Affiliated to JNTU, Anantapur)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEWS LETTER

ABSOLUTE ELECTRONICS

“Key to Success”

**Vision**

- To become a reputed learning centre producing competent professionals.

**Mission**

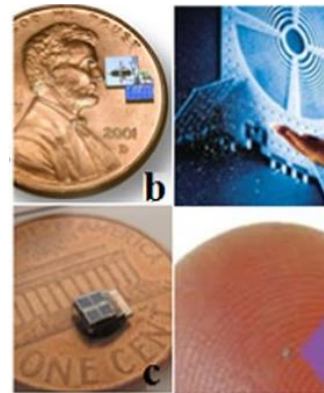
**DM1:** Provide Quality education through interactive teaching-learning practices.

**DM2:** Establish Technology-enabled environment for building core competencies including robotics.

**DM3:** Arrange Industry-Interaction to hone professional skills.

**DM4:** Organize activities to foster social skills and ethical values.

**Smart Dust**



Smart dust refers to a collection of tiny wireless microelectromechanical sensors (MEMS). These sensors are able to detect conditions such as light, vibration, temperature and noise, and autonomously communicate this information back to a receiver. As their name suggests, individual smart dust motes measure only a few millimetres in size. They are therefore an exciting combination of electronics and nanotechnology. The concept of smart dust could have come straight from a science fiction novel. It was conceived in the 1990s by a US military defence research project, as a detection strategy on the battlefield. It was imagined that smart dust

motes could provide real time information on their environment in a battle situation. Due to their miniscule size, they would be almost impossible for an enemy to detect, either scattered on the ground or travelling freely through the air with the wind.