Faculty Achievements:

- Mr.K.Prabhakar reddy Asst.Profpublished a paper titled***"IP core design of APB bridge using AMBA 4.0"*** in ***IJMER***, on 8&9 jan 2016.
- Mr.M.Krishna Prasad Asst.Prof published a paper titled **"*Synthesis and Characterisation of Bi Fe_2O_3 nano particles*"held at Mount Caramel College of Engineering, Bangalore *in National Conference on Nano Materials*** on 9th _10th FEB-2016.

Department Events:

Interaction Program:

The department of ECE has organized "***Interaction program***" for II B.Tech ECE students .The objective of this program is to inspire and to motivate the students to perform well in the college and to encourage them into developing a healthy and positive attitude in life. Suggestions are also imparted as the approaches to study and improvement of learning methodologies.

The senior faculty members of the department have added some value inputs to the above interaction such as improving the learning methodology by accessing NPTEL learning resources, IIT lectures and different academic portals. They encouraged the students to participate in all the general events like sports, cultural activities & paper presentations etc. during their course of study.

Student Achievements:

- 4 students from ECE IV have participated in the event of poster presentation at the ***National Level Technical Symposium pragna 2K16*** organized by NBKRIST, VIDYANAGAR on 13thto 14th FEB-2016.

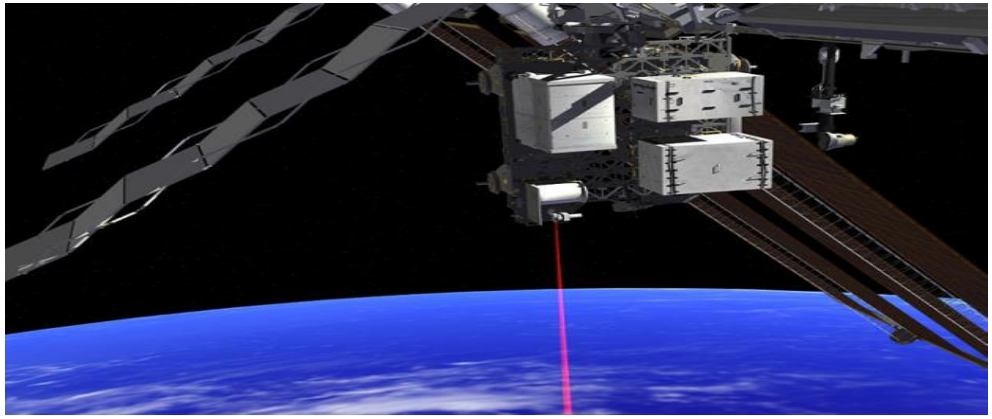
- V.Sarath Krishna(132U1A04E1) had participated and secured first prize in the event of poster presentation at the ***National Level Technical Symposium pragna 2K16*** organized by NBKRIST, VIDYANAGAR on 13thto 14th FEB-2016.
- P.Srinivasulu(142U1A0471)have participated in the event of paper presentation at the UNITE_2K16 organized by YITS, RENIGUNTA, on 24*th FEB 2016*.
- P.Sailahari(142U1A0479) have participated in the event of paper presentation at the UNITE_2K16 organized by YITS, RENIGUNTA, on 24*th FEB 2016*.
- S. Keerthana (142U1A0499)have participated in the event of paper presentation at the UNITE_2K16 organized by YITS, RENIGUNTAon 24*th FEB 2016*.
- A.Sravani(142U1A0401) have participated in the event of paper presentation at the UNITE_2K16 organized by YITS, RENIGUNTAon 24*th FEB 2016*.
- R.SriLakshmi(142U1A040) and P.V.Mounika(142U1A0463)have participated in the event of paper presentation at the SYMPOSIUM organized MERITS, UDAYAGIRI on 27*th FEB 2016*.
- K.Vasundara(142U1A0442)have participated in the event of poster presentation at the ***AXION*** organized by NBKRIST, VIDYANAGAR on 27*th FEB 2016*.
- S.D.MohanaPriya(142U1A0482) have participated in the event of poster presentation at the ***AXION*** organized by NBKRIST, VIDYANAGAR on 27*th FEB 2016*.
- 08 students from III ECE have participated in have participated in **"**MSP430 MICROCONTROLLER**"** Workshop at JNTUA, Anantapuron17 March 2016.
- V.GowriKeerthana(132U1A04D7) have participated and secured ***2nd prize*** in the event of paper presentation at the SANKETIKA_2K16 organized by SVCN, NELLORE on18*th MAR 2016*.
- T.Tulasi(132U1A04C7) have participated and secured ***2nd prize*** in the event of paper presentation at the SANKETIKA_2K16 organized by SVCN, NELLORE on18*th MAR 2016*.

AY/ VOLUME

Laser communication

Laser communication in space is free-space optical communication in outer space. In outer space, the communication range of free-space optical communication is currently of the order of several thousand kilometers, suitable for inter-satellite service. It has the potential to bridge interplanetary distances of millions of kilometers, using optical telescopes as beam expanders.

Multinational corporations like SpaceX, Facebook and Google and a series of startups are currently pursuing various concepts based on laser communication technology. The most promising commercial applications can be found in the interconnection of satellites or high-altitude platforms to build up high-performance optical backbone networks. Other applications include transmitting large amounts of data directly from a satellite, aircraft or Unmanned Aerial Vehicle (UAV) to the ground.



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

- Provide Quality education through interactive teaching-learning practices.
- Establish Technology-enabled environment for core competencies including robotics.
- Arrange Industry-Interaction to hone professional skills.
- Organize activities to foster social skills and ethical values.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates of B. Tech in Electronics and Communication Engineering Programme shall be able to

- Apply Engineering concepts to solve Electronics and Communication Engineering problems of social relevance.
- Design and develop Electronic devices and Systems for Industry or pursue research.
- Demonstrate competencies through continuous learning and adapt to multi-disciplinary environment.
- Practice professional values and contribute to the societal needs.

PROGRAM SPECIFIC OUTCOMES (PSOs)

At the time of graduation, student of B.Tech in Electronics and Communication Engineering Programme shall be able to

- Professional Skills: Apply principles of Analog and Digital Electronics, Communication Systems, Image processing, VLSI and Embedded Systems to solve diverse problems.
- Software Knowledge: Develop solutions for complex engineering problems of social relevance by employing Xilinx, CC Studio, Micro Wind, Keil, NG Spice, Scilab tools.