

VISION

- Achieving academic excellence in Electronics and Communication Engineering by shaping next- generation technocrats keeping pace with socio-economic needs.

Mission

- **M1:** Adopting outcome oriented teaching -learning processes to provide comprehensive knowledge in the application of Electronics and Communication Engineering principles..
- **M2:** Striving for implementation of advanced technology to cater to industrial demands and societal concerns.
- **M3:** Producing highly skilled and responsible professionals with robust ethical values..
- **M4:** Integrating technical capabilities, life skills and entrepreneurship abilities to produce dynamic contributors to social advancement..

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Demonstrating a deep passion for continuous learning through technical expertise for a promising career.

PEO2: Exhibiting a strong commitment to serving the society with adherence to professional ethics.

PEO3: Managing resources efficiently as competent engineers through effective social interaction...

PEO4: Engaging in advanced learning and contributing to technological innovations..

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.



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

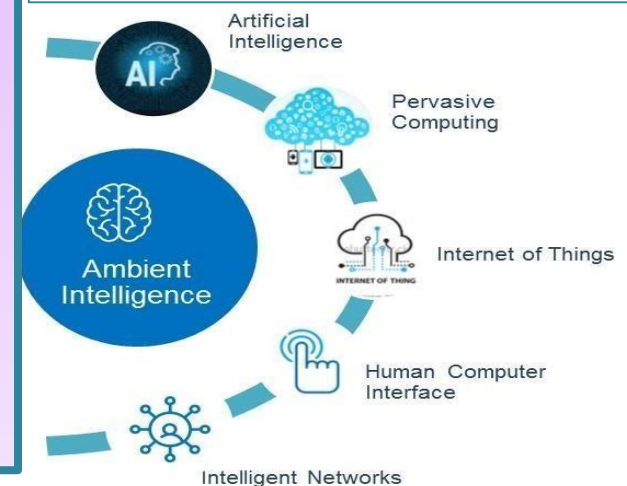
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING NEWS LETTER ABSOLUTE ELECTRONICS



Editorial Board:
Faculty Member:
**A. Hari krishna, Asst.
Professor**
Student Members:
1. K. V. S. Alekhya
(III ECE)
2.M. S. Pavan Kumar
(III ECE)

Ambient Intelligence:

In computing, ambient intelligence (AmI) refers to electronic environments that are sensitive and responsive to the presence of people. Ambient intelligence was a projection on the future of consumer electronics, telecommunications and computing that was originally developed in the late 1990s by Eli Zelkha and his team at Palo Alto Ventures for the time frame 2010–2020. Ambient intelligence would allow devices to work in concert to support people in carrying out their everyday life activities, tasks and rituals in an intuitive way using information and intelligence that is hidden in the network connecting these devices.



Faculty Contributions -Publications/Workshop/Industrial Visit:

- Y. Ravi Sankaraiah published a paper with the title of Artificial Intelligence Approach for Helmet Detection with Number plate Extraction Using Yolo in Journal of Critical Reviews, ISSN2394 - 5125, in the month of sep 2022 (<https://www.jcreview.com/admin/Uploads/Files/6453cf74ac9b55.75653269>)
- G. Shanmugavel published a paper with the title of Banana Freshness Detection Using Googlenet For The Applications Of Future Autonomous Industrial in Journal Of Critical Reviews, ISSN 2394-5125, in the month of oct 2022 (<https://www.jcreview.com/admin/Uploads/Files/6453cff1dfe1a2.95056127>)
- Sd. Muntaz Begum published a paper with the title of Fusion-Based Decision Approach For Image Forgery Detection Using Deep Lightweight Models in Journal of Journal Of Critical Reviews, ISSN 2394-5125, in the month of jan 2023 (<https://www.jcreview.com/admin/Uploads/Files/6453d07bdd9981.19371051>)
- Sk. Haseena published a paper with the title of Hyper Spectral Unmixing Using Joint Sparsity And Total Variation Regularized Model in Journal Of Critical Reviews, ISSN- 2394-5125 in the month of dec 2022 (<https://www.jcreview.com/admin/Uploads/Files/6453d1079a43c0.31340381>)
- B. Suresh Kumar published a paper with the title of A Deep Learning Model For Speech and Facial Expression Based Emotion Detection in Journal Of Critical Reviews, ISSN- 2394-5125, in the month of sep 2022 (<https://www.jcreview.com/admin/Uploads/Files/6453d198d00457.97875626>)
- B. Suresh Kumar published a paper with the title of a IoT-Based Agribot With Parameter Monitoring Using Android Application in Journal Of Critical Reviews, ISSN-2394-5125, in the month of oct 2022 (<https://www.jcreview.com/admin/Uploads/Files/6453d198d00457.97875626>)
- K. Radhika published a paper with the title of Water quality monitoring system using IoT in Journal Of Critical Reviews, ISSN-2394-5125, in the month of Nov 2022(<https://www.jcreview.com/admin/Uploads/Files/64551a4a8bc392.42984953>)
- M. C. Shanker published a paper with the title of Sign conversion for mute community using gesture and flex sensors in Journal Of Critical Reviews, ISSN-2394-5125, in the month of aug 2022(<https://www.jcreview.com/admin/Uploads/Files/64551ac87015f0.68297888>)
- G. Suresh published a paper with the title of Design of error detectable hybrid carry select adder with self repairing properties in Journal Of Critical Reviews, ISSN-2394-5125, in the month of jan 2023(<https://www.jcreview.com/admin/Uploads/Files/64563ed03436b8.07918802>)
- K.Chandra Sekhar published a paper with the title of Implementation of real time modified decision based median filter using data comparator in Journal Of Critical Reviews, ISSN-2394-5125, in the month of mar 2023(<https://www.jcreview.com/admin/min/Uploads/Files/64563f6b720994.47229566>).
- K.Sravani Kumari is published a paper with the title of VLSI Implementation of blind image watermarking system using hybrid address and multipliers Journal Of Critical Reviews in Journal of Critical Reviews, ISSN2394 – 5125, in the month of feb 2023(<https://www.jcreview.com/admin/Uploads/Files/6456409e1b77e3.36685215.pdf>)
- Dr. U. Penchalaiah is published a paper with the title of Design and implementation of smart helmet using internet of things for avoidance of accidents in Journal of Critical Reviews, ISSN 2394-5125, in the month of jun 2023(<https://www.jcreview.com/admin/Uploads/Files/6466cf8b163a46.13575899>)
- Sd. Muntaz Begum is published a paper with the title of Design of Multiplier and Accumulator Using Sequential Finite Field Technique in Journal of Critical Reviews, ISSN2394 – 5125, in the month of apr 2023(<https://www.jcreview.com/Upload/Files/64563df51a0517.37361927>)
- G. Suresh is published a paper with the title of Performance Analysis of 4 -Bit Carry Look Ahead Adder Using Gate Diffusion Input in Journal of Critical Reviews, ISSN2394 - 5125, In the month of aug 2022(<https://www.jcreview.com/admin/Uploads/Files/64563ed03436b8.07918802>)
- G. Suresh published a paper with the title of Zigbee-based smart zone system for avoiding the accidents in Journal of Critical Reviews, ISSN2394 - 5125, in the month of oct 2022(<https://www.jcreview.com/admin/Uploads/Files/6466d015522424.39676555>)
- Sk.Yasmeen published a paper with the title of Detection Of Chronic Heart Failure Using Unified Machine Learning And Deep Learning in Journal of Cardiovascular Disease Research, ISSN2394 - 5125, In the month of Nov 2022(<http://jcdonline.org/admin/Upload/Files/6453c2a28138f4.41406275>)
- K. Radhika published a paper with the title of Low-Level Feature Extraction With VLSI-Based Implementation Of Vi And IR Image Fusion in Journal Of Cardiovascular Disease Research, ISSN 2394-5125, in the month of may 2023 (<http://jcdonline.org/admin/Uploads/Files/6453c3647a6524.11552873>)
- Z. Chaithanya published a book with the title of Deep Learning Model For Detection Of Covid-19 And Pneumonia From Chest X-Ray Images in Journal Of Cardiovascular Disease Research, ISSN 2394-5125, in the month of jan 2023(<http://jcdonline.org/admin/Uploads/Files/6453c3fa37b377.52397053>)
- Silpa published a book with the title of Dermoscopy, Skin Cancer Detection, Discrete Wavelet Transform, Gray Level Co- Occurrence Matrix, Probabilistic Neural Networks in Journal Of Cardiovascular Disease Research, ISSN 2394-5125, in the month of jan 2023(<http://jcdonline.org/admin/Uploads/Files/6453c494ee9bb4.55021491>)
- K. Sravan Kumar published a book with the title of Multi Modal Medical Image Fusion Using Deep Learning Techniques in Journal Of Cardiovascular Disease Research, ISSN 2394-5125, in the month of no 2022(<http://jcdonline.org/admin/Uploads/Files/6453c526230a97.48837778>)

- Ms. K. Sravani Kumari attended FDP on “Embedded Systems” in APSSDC online during from 14-11-2022 to 18-11-2022
- Ms. Gali Mounica attended FDP on “Embedded Systems” in APSSDC online during from 14-11-2022 to 18-11-2022
- Mr. G. Sukumar attended FDP on “Embedded Systems” in APSSDC online during from 14-11-2022 to 18-11-2022
- Mr. K. Naveen attended FDP on “Embedded Systems” in APSSDC online during from 14-11-2022 to 18-11-2022
- Mr. Sd. Jeclan Basha attended FDP on “Embedded Systems” in APSSDC online during from 14-11-2022 to 18-11-2022
- Ms. E. Prasanthi, Assistant Professor attended FDP on “Embedded Systems” in APSSDC online during from 14-11-2022 to 18-11-2022
- Dr. P. Rahul Reddy, Assistant Professor attended FDP on “Embedded Systems” in APSSDC online during from 14-11-2022 to 18-11-2022
- Dr. T. Divyalikitha, Assistant Professor attended FDP on “Embedded Systems” in APSSDC online during from 14-11-2022 to 18-11-2022
- Mr. G. Kiran Kumar attended FDP on “Digital VLSI Design and Verification” from 23-8-2022 to 27-8-2022 at Banglore Institute of Technology
- Mr. G. Kiran Kumar attended FDP on “Digital VLSI Design and Verification” from 23-8-2022 to 27-8-2022 at Banglore Institute of Technology association with Entuple Technologies and IEEE-BIT
- Mr. G. Sukumar attended FDP on “Digital VLSI Design and Verification” from 23-8-2022 to 27-8-2022 at Banglore Institute of Technology association with Entuple Technologies and IEEE-BIT
- Ms. K. Sravani Kumari attended FDP on “Digital VLSI Design and Verification” from 23-8-2022 to 27-8-2022 at Banglore Institute of Technology association with Entuple Technologies and IEEE-BIT

Student Achievements:

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

- Thaslim Shaik Participated in Online Certification Course on Cybersecurity Organized by AICTE from Dec 2022 - Feb 2023
- Eswar Kinnera Participated in Online Certification Course on Cybersecurity Organized by AICTE from Jul - Sep, 2022
- Dasari Vandana Participated in Online Certification Course on Cybersecurity Organized by AICTE from Dec 2022 - Feb 2023
- Kota Akhil Sriteja Participated in Online Certification Course on Cybersecurity Organized by AICTE from Dec 2022 - Feb 2023
- Nandam Aakarsha Lekhana Participated in Online Certification Course on Cybersecurity Organized by AICTE from July - Sep 2022
- Shaik Ayesha Tabassum Participated in Online Certification Course on Cybersecurity Organized by AICTE from Dec 2022 - Feb 2023
- Shaik Rubina Participated in Online Certification Course on Cybersecurity Organized by AICTE from Dec 2022 - Feb 2023
- Khajana Renuka Participated in Online Certification Course on Cybersecurity Organized by AICTE from Dec 2022 - Feb 2023
- Thaslim Shaik Participated in Online Certification Course on Cybersecurity Organized by AICTE from Dec 2022 - Feb 2023
- Jaladi Jeevanadh Participated in Online Certification Course on Embedded Systems Organized by NPTEL - Swayam from Jan-Apr 2023
- Jaladi Jeevanadh Participated in Online Certification Course on Embedded Systems Organized by NPTEL - Swayam from Jan-Apr 2023
- Shaik Rubina Participated in Online Certification Course on Embedded Systems Organized by NPTEL - Swayam from Jan-Apr 2023
- Lohitha Maruboyina Participated in Online Certification Course on Embedded Systems Organized by NPTEL - Swayam from Jan-Apr 2023
- Devandla Vamsi got a Certificate of Appreciation in the Course of python by CAT Computer Point from Oct 10 - Dec 15, 2022
- G Nanditha Sree got a Certificate of Training in the course of VLSI Design by Internshala in Oct 5 2022
- Shaik Arshiya got Certificate of completion in the course of Python language by Codetantra in Aug-2022
- Vaggala Sirisha got Certificate of completion in the course of Python language by Codetantra in Aug-2022

- Kota Akhil Sriteja got a Certificate of Achievement in the course of IGNITE 3.0 Training Program by AIC-SKU Confederation from July 4 - Sep 12, 2022
- Munaga Subramanyeswara Pavan Kumar got a Certificate of Achievement in the course of IGNITE 3.0 Training Program by AIC-SKU Confederation from July 4 - Sep 12, 2022
- Muppala Sumanth got a Certificate of Achievement in the course of IGNITE 3.0 Training Program by AIC-SKU Confederation from July 4 - Sep 12, 2022
- Jangidi Veena participated in Computer Training Programme in the course of Basics of Ms-office by Cat Computer Point from Sep 5 - Oct 20 2022
- Tanguturu Manasa got Certificate of completion in the course of Python language by Codetantra on Aug-2022
- Talluru Neha Manasa got Certificate of completion in the course of Python language by Codetantra on Aug-2022
- Nandam Sravani participated in Online Quiz in the topic of General Mathematics by Seshasayee Institute of Technology,Trichy on Aug 10, 2022
- Pravallika Bellamkonda completed a Online course on Fundamentals of Cloud Security by PaloAlto Networks assessment on Sep 14, 2022
- Pravallika Bellamkonda got a certificate of Acknowledge in the course of Network Security Network Security by PaloAlto Networks assessment on Sep 14, 2022
- Pravallika Bellamkonda got a certificate of Acknowledge in the course of Network Security by PaloAlto Networks assessment on Sep 14, 2022
- Poornima Participated in Online Certification Course on Python for Beginners Organized by SkillUp by Smiplilearn on Nov 19, 2022
- Chemukula Sireesha Participated in Online workshop on Universal Human Values Organized by AICTE,NewDelhi from oct 7-10, 2022
- Uyyala Vishnu Bharadwaj completed a internship on React JS live project by Immensphere Verzeo from Sep 1 - Nov 30, 2022
- Jakkala Yoga Deepika got a certificate on Annual Day Celebrations for getting 8 SGPA Merit 2021 – 2022 by GIST
- Thulluru Harshitha got a certificate on Annual Day Celebrations for getting 8 SGPA Merit 2021 – 2022 by GIST
- B.M.Divyakala got a certificate on Annual Day Celebrations for getting 8 SGPA Merit 2021 – 2022 by GIST
- Veeramsetty Himaja got a certificate on Annual Day Celebrations for getting 8 SGPA Merit 2021 – 2022 by GIST
- Chakka Venkata Naga Chaithanya got a certificate on Annual Day Celebrations for getting 8 SGPA Merit 2021 – 2022 by GIST
- Polukuru Keerthi got a certificate on Annual Day Celebrations for getting 8 SGPA Merit 2021 – 2022 by GIST
- Nagireddy Venkateswara Reddy got a certificate on Annual Day Celebrations for getting 8 SGPA Merit 2021 – 2022 by GIST
- N..Sravani got a certificate on Annual Day Celebrations for getting 8 SGPA Merit 2021 – 2022 by GIST
- B Divya got a certificate on Annual Day Celebrations for getting 8 SGPA Merit 2021 – 2022 by GIST
- Cheemaladinne Chandrika got a certificate on Annual Day Celebrations for getting 8.41 SGPA Merit 2021 – 2022 in girls hostel by GIST
- K Sravani got a certificate on Annual Day Celebrations for getting 8 SGPA Merit 2021 – 2022 by GIST
- N.Meenakshi got a merit certificate for getting 2nd topper for academic year 2022 by GIST
- Eedala Siva Poojitha participated Training Program in the course for AWS Cloud Computing by APSSDC from Dec 27, 2021 - Jan 3, 2022
- Bharathi Giddaluru participated Training Program in the course for AWS Cloud Computing by APSSDC from Dec 27, 2021 - Jan 3, 2022
- Gangapatnam Pavani participated Training Program in the course for AWS Cloud Computing by APSSDC from Dec 27, 2021 - Jan 3, 2022
- Bomma Venkata Sresta participated Training Program in the course for AWS Cloud Computing by APSSDC from Dec 27, 2021 - Jan 3, 2022
- Kata Anila participated Training Program in the course for AWS Cloud Computing by APSSDC from Dec 27, 2021 - Jan 3, 2022
- Nandigama Umadevi Participated in NPTEL Online Certification Course on Introduction to Programming in C Organized by Swyam NPTEL from Dec 2022 - Feb 2023
- Maheswara Vasundara got a Certificate of Participation course on AWS Cloud Computing by AWS Cloud Computing APSSDC from Jan 3 - 8, 2022
- Pinnika Naga Rishitha got a Certificate of Participation course on AWS Cloud Computing by AWS Cloud Computing APSSDC from Jan 3 - 8, 2022
- Akhil Sriteja Kota got a Certificate of Participation course on Introduction to machine learning by AWS Cloud Computing APSSDC from Jul-Oct 2022
- Bogala Sneha got a Virtual Internship Completion Certificate for course Cybersecurity Intenship by AICTE from Jul-Sep 2022

Events Organized

One Week Workshop on Emerging trends in VLSI Design

One Week Workshop on “**Emerging trends in VLSI Design**” was organized under the department of Electronics and Communication Engineering at Geethanjali Institute of Science & Technology From 13-02-2023 & 18-02-2023 in association with IETE sub center, Tirupati and SAK Informatics, Hyderabad. The resource person Mr.Tulluru Guru, SAK Informatics, Hyderabad . Total 65 students from IV B.Tech ECE are attended the Workshop.



GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY
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www.gist.edu.in

ONE WEEK WORKSHOP ON
Emerging Trends in VLSI Design
 From
13-02-2023 to 18-02-2023
 Organized by
Department of ECE
 in association with
IETE Tirupati & Sak Informatics Hyderabad
SAK INFORMATICS
 Student@knowledge

One Week Workshop on Emerging trends in Communication Systems and Signal Processing

One Week Workshop on “**Emerging trends in Communication Systems and Signal Processing**” was organized under the department of Electronics and Communication Engineering at Geethanjali Institute of Science & Technology From 13-02-2023 & 18-02-2023 in association with IETE sub center, Tirupati and SAK Informatics, Hyderabad. The resource person Mr.N.Vamsi Krishna, SAK Informatics, Hyderabad . Total 63 students from IV B.Tech ECE are attended the Workshop.



University examinations Results 2022-23 Odd Semester:

Roll No:	Name of the Student	SGPA
212U1A0419	CHEMUKULA SIREESHA	8.53
222U5A0412	SVEMULAPATI MYDHILI	8.78



Roll No:	Name of the Student	SGPA
202U1A0431	DASARI VANDANA	9.30
202U1A04A8	NIMMALA MEENAKSHI	8.88
202U1A04E5	SHAIK MASEERA TABASUM	9.02

Roll No:	Name of the Student	SGPA
192U1A0446	JONNADULA LAKSHMI PRIYA-	9.10
192U1A0494	NANDAM AAKARSHA LEKHANA	9.15
192U1A04H2	THIRUPATHI EESHWITHA	8.80

