NEWS LETTER

AY-2025-2026



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DEPARTMENT VISION

To impart the best technical education instilled with discipline, values and leadership qualities that will produce professional technocrats in Electronics and Communication Engineering.

DEPARTMENT MISSION

M1: To impart fundamental Electronics and Communication Engineering concepts and a broad set to technical skills.

M2: To prepare Electronics and Communication Engineering graduates who will effectively and responsibly in practicing engineering.

M3: To impart practical exposure on latest technological developments in Electronics and Communication Engineering.

Program Educational Objectives (PEO's)

On successful completion of UG in Electronics and Communication Engineering, the Graduates will:

PEO1: Acquire adequate knowledge in the field of Electronics and Communication Engineering to have a successful career.

PEO2: Pursue higher studies with the focusing on R&D activities in the related areas.

PEO3: Take up entrepreneurship by practicing lifelong learning with innovation

Program Specific Outcomes (PSO's)

PSO1: To design and implement application specific electronic systems to provide real time solutions combating societal, ecological and economical issues in the areas of communication, networking, embedded systems and VLSI.

PSO2: To demonstrate proficiency by quickly adapting to changes in technology and tools and administer professional engineering practice through lifelong Learning and contributing immensely to research and development

E-TRANICS

GATES INSTITUTE OF TECHNOLOGY
Autonomous

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Intelligence Quotient (IQ) Test

Critical thinking, problem-solving ability, and logical reasoning are essential skills for students to excel in both academic and professional environments. An Intelligence Quotient (IQ) test serves as an effective platform to assess and enhance these cognitive abilities, encouraging students to think analytically and respond efficiently.

With this objective, the Department of Electronics and Communication Engineering, **GATES Institute of Technology, Gooty**, under the Electronics and Communication Students Association, is organizing an **"Intelligence Quotient (IQ) Test"** for third-year students. This activity is designed to challenge participants with a variety of questions that test their reasoning, analytical thinking, and mental agility.

The event will be conducted on **28th September 2024** from **11:20 A.M. to 01:00 P.M.** in the respective classrooms. It provides an excellent opportunity for students to evaluate their intellectual abilities, improve problem-solving skills, and enhance their confidence in tackling competitive examinations and real-world challenges.





Photos of the event the Intelligence Quotient (IQ) Test

Debate on Job Opportunities

This **debate on "Job Opportunities for Engineering Students"** organized by the Electronics and Communication Students Association in collaboration with the Institution's Innovation Council at GATES Institute of Technology. The event is scheduled on **13th December 2025 from 11:20 AM to 1:00 PM**, to be conducted in respective classrooms.

The highlights the importance of discussing current trends, challenges, and opportunities in the job market for engineering graduates. It provides a platform for students, particularly **3rd-year students**, to express their views, improve communication skills, and gain awareness about career prospects in various technical domains.

This activity encourages critical thinking, public speaking, and analytical skills, helping students better understand industry expectations and prepare for their future careers.



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Photos of the event the Job Opportunities

About Me – Self Introduction Activity

This activity titled **"About Me (Self Introduction)"** organized by the Electronics and Communication Students Association in collaboration with the Institution's Innovation Council at GATES Institute of Technology. The event is scheduled on **13th December 2025 from 02:30 PM to 04:10 PM**, to be conducted in respective classrooms.

The primary objective of this activity is to help **2nd-year students** develop confidence in introducing themselves effectively in academic and professional environments. It provides a platform for students to improve their communication skills, body language, and presentation abilities.

This session plays a crucial role in preparing students for interviews, group discussions, and professional interactions. By participating, students can enhance their self-awareness, overcome stage fear, and build strong interpersonal skills essential for career development.





Photos of the event the About Me (Self Introduction)

Aptitude and Reasoning – Problem Solving Activity

This highlights an activity titled **"Aptitude and Reasoning (Problem Solving)"** organized by the Electronics and Communication Students Association in association with the Institution's Innovation Council at GATES Institute of Technology. The event is scheduled on **20th December 2025 from 11:20 AM to 1:00 PM**, to be conducted in respective classrooms.

The main objective of this activity is to enhance the **analytical and problem-solving skills** of **3rd-year students**, which are essential for competitive exams, technical interviews, and placement processes. It focuses on improving logical reasoning, quantitative aptitude, and critical thinking abilities.

This session helps students develop speed, accuracy, and confidence in solving problems under time constraints. It also prepares them for various aptitude-based assessments conducted by companies, thereby improving their chances of success in campus placements and career opportunities.





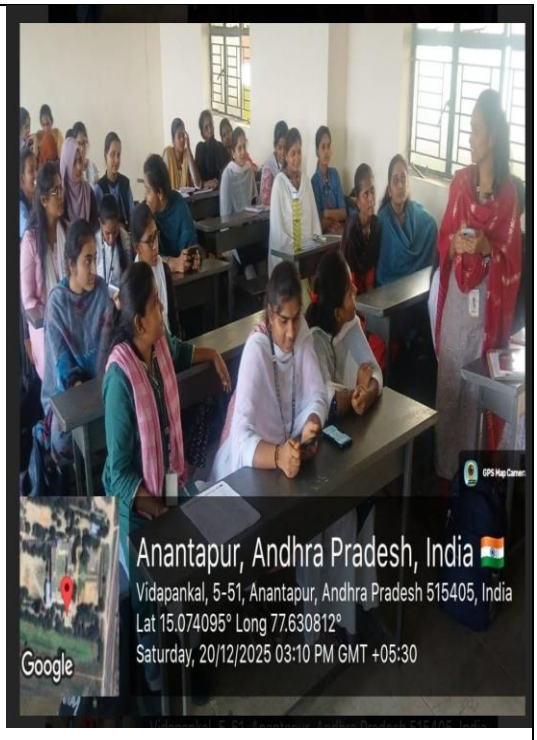
Photos of the event the Aptitude and Reasoning (Problem Solving)

5G Technology

This debate organized by the Electronics and Communication Students Association at Gates Institute of Technology. The topic is “5G Technology: Advantages and Disadvantages,” encouraging students to explore both benefits and challenges of modern communication systems. The event is scheduled for 20 December 2025, from 2:30 PM to 4:10 PM, and will be held in respective classrooms. It is conducted under the Institution’s Innovation Council. Participation is limited to second-year students. Overall, the event aims to enhance technical knowledge, critical thinking, and public speaking skills through structured discussion on an important emerging technology.

To encourage students to discuss and critically analyze **5G technology**, including both its benefits (like faster internet, low latency) and drawbacks (like cost, infrastructure challenges, or concerns about health/environment).









Photos of the event the 5G technology

Mind Spark – A Technical Talk

This event **"Mind Spark – A Technical Talk"** organized by the Electronics and Communication Students Association of GATES Institute of Technology. The event aims to encourage students to transform their technical ideas into impactful innovations and showcase their ability to lead future technological advancements.

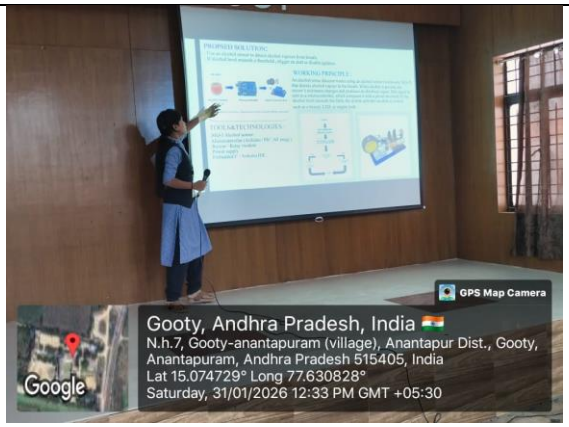
The essential details such as the **date (31 January 2026)** and **venue (Seminar Hall)**, along with a QR code for easy registration. It also reflects the involvement of the Institution's Innovation Council, emphasizing the importance of creativity, problem-solving, and innovation among students.

Overall, the event serves as a platform for students to present their ideas, enhance technical knowledge, and develop confidence in public speaking and professional communication, contributing to their overall academic and career growth.













Photos of the event the Mind Spark – A Technical Talk

Internal Hackathon – Smart India Hackathon (SIH 2025)

This presents the **Internal Hackathon for Smart India Hackathon (SIH 2025)** organized by GATES Institute of Technology. The event is conducted as part of the national initiative supported by the Ministry of Education and AICTE to encourage innovation and problem-solving among students.

The details such as the **date (24th September 2025)**, **time (10:00 AM)**, and **venue (APJ Abdul Kalam Auditorium)**. It also provides a QR code for registration, making participation easy and accessible for students.

Highlights various thematic areas including Smart Education, Health Tech, Robotics and Drones, Agriculture and Rural Development, Clean and Green Technology, Cybersecurity, Disaster Management, and Smart Vehicles**.** These themes guide students to work on real-world challenges and develop innovative solutions.

Overall, the event promotes teamwork, creativity, and technical skills, giving students an opportunity to showcase their ideas, compete at higher levels, and contribute to national-level innovation initiatives like Smart India Hackathon.





Photos of the event the Smart India Hackathon.

First Aid & CPR Training

This highlights a **First Aid & CPR Training program** organized by GATES Institute of Technology to create awareness about emergency medical response and life-saving techniques. The training is scheduled on **6th September 2025 at 2:30 PM in the Auditorium**. The emphasizes the importance of learning basic first aid and Cardiopulmonary Resuscitation (CPR), which are essential skills during medical emergencies such as cardiac arrest, accidents, or sudden health issues. The visual of CPR being performed on a mannequin effectively represents practical training and hands-on learning.



This program aims to equip students with the knowledge and confidence to respond quickly in critical situations, potentially saving lives. It also promotes health awareness, responsibility, and preparedness among students, making it a highly valuable and impactful initiative.





Photos of the event the First AID and CPR

Blood Donation Camp

This highlights a **Blood Donation Camp** organized by the NSS Unit of GATES Institute of Technology on the occasion of the **80th Birth Anniversary of Sri V.K. Sudhir Reddy sir**. The initiative reflects a strong commitment towards social responsibility and community service.

This clearly provides key details such as the **date (24 January 2026)**, **time (10:30 AM)**, and **venue (Central Library)**. It also includes a QR code linking to donor guidelines provided by the Indian Red Cross Society, ensuring that participants are well-informed before donating blood.

The visual elements, including blood drops and donation symbols, effectively convey the importance of saving lives through blood donation. The message "We welcome all our Blood donation heroes" encourages students and staff to actively participate in this noble cause. Overall, the event promotes awareness about voluntary blood donation and highlights the role of youth in contributing to society.











Photos of the Blood donation.