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

NEWS LETTER

AY-2024-2025



E-TRANICS

GATES
INSTITUTE OF TECHNOLOGY
Autonomous

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facebook.com/gatesit.ac.in

1. **Blistering**

Communication and critical thinking are among the most essential skills for engineering students in today's competitive world. The ability to express ideas clearly, analyze situations, and respond effectively plays a vital role in both academic and professional success. Events like group discussions and spontaneous speaking help students enhance their confidence, creativity, and problem-solving abilities.

With this objective, the Department of Electronics and Communication Engineering, GATES Institute of Technology, Gooty, through the Electronics and Communication Students Association, is pleased to organize *"Blistering – General Topics"* for third-year students. This event is designed to encourage participants to think quickly, articulate their thoughts, and engage in meaningful discussions on various general topics.

The event will be conducted on 31st August 2024 from 11:20 A.M. to 1:00 P.M. at the respective classrooms. It provides an excellent platform for students to showcase their communication skills, exchange ideas, and build confidence in a competitive yet supportive environment.



Photos of the event Blistering

1. **Critical Thinking Exercise**

Critical thinking is a fundamental skill that enables individuals to analyze information, evaluate different perspectives, and make well-informed decisions. In the rapidly evolving world of technology and innovation, engineering students must develop strong analytical and reasoning abilities to solve complex real-world problems effectively. Activities that promote logical thinking and problem-solving play a crucial role in shaping a student's intellectual growth.

With this aim, the Department of Electronics and Communication Engineering, GATES Institute of Technology, Gooty, under the Electronics and Communication Students Association, is delighted to organize a *"Critical*

Thinking Exercise" for third-year students. This event is designed to challenge participants with engaging problems and scenarios that require creative thinking, logical reasoning, and quick decision-making.

The event will be conducted on 21st September 2024 from 11:20 A.M. to 1:00 P.M. at the respective classrooms. It offers a valuable opportunity for students to enhance their cognitive skills, improve their analytical abilities, and gain confidence in tackling complex challenges in both academic and professional environments.





Photos of the event Critical thinking

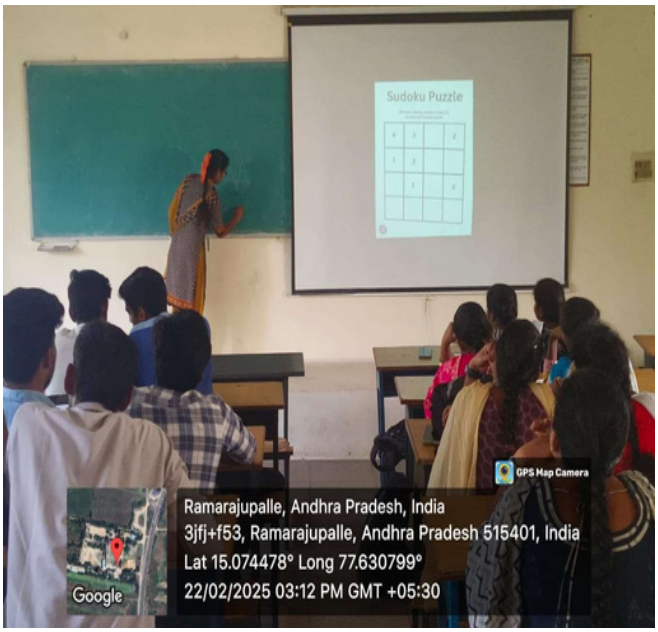
Mind Brawl

Critical thinking and analytical reasoning are among the most essential skills for engineering students in today's fast-evolving technological world. The ability to solve problems efficiently, interpret situations logically, and think creatively plays a significant role in academic excellence and real-world applications. Activities that enhance cognitive abilities help students develop confidence and improve their decision-making skills.

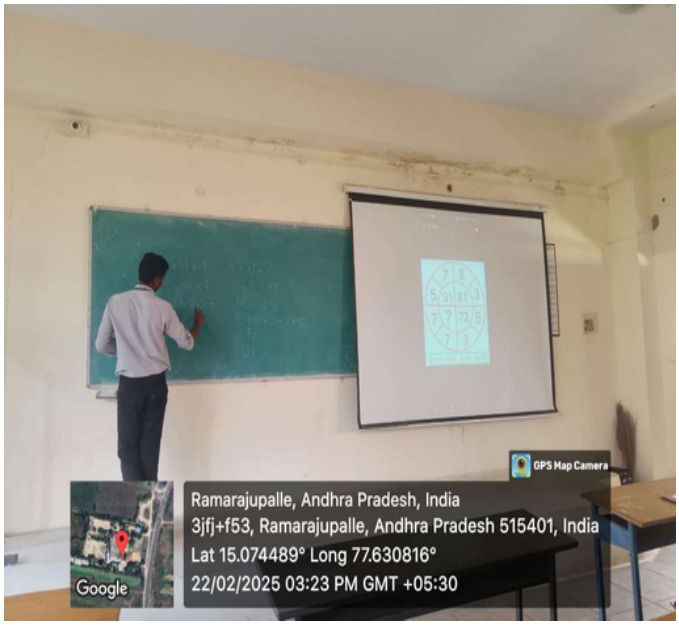


With this objective, the Department of Electronics and Communication Engineering, GATES Institute of Technology, Gooty, under the Electronics and Communication Students Association, is pleased to organize *"Mind Brawl"* for third-year students. This event is designed to test and strengthen participants' thinking power through engaging puzzles, logical reasoning tasks, and problem-solving challenges.

The event will be conducted on 22nd February 2025 from 02:30 P.M. to 04:10 P.M. at the respective classrooms. It provides an excellent platform for students to enhance their analytical skills, participate actively, and explore innovative approaches to solving problems in a competitive yet collaborative environment.




GPS Map Camera
Ramarajupalle, Andhra Pradesh, India
3jfj+f53, Ramarajupalle, Andhra Pradesh 515401, India
Lat 15.074474° Long 77.630835°
22/02/2025 03:14 PM GMT +05:30
Google


GPS Map Camera
Ramarajupalle, Andhra Pradesh, India
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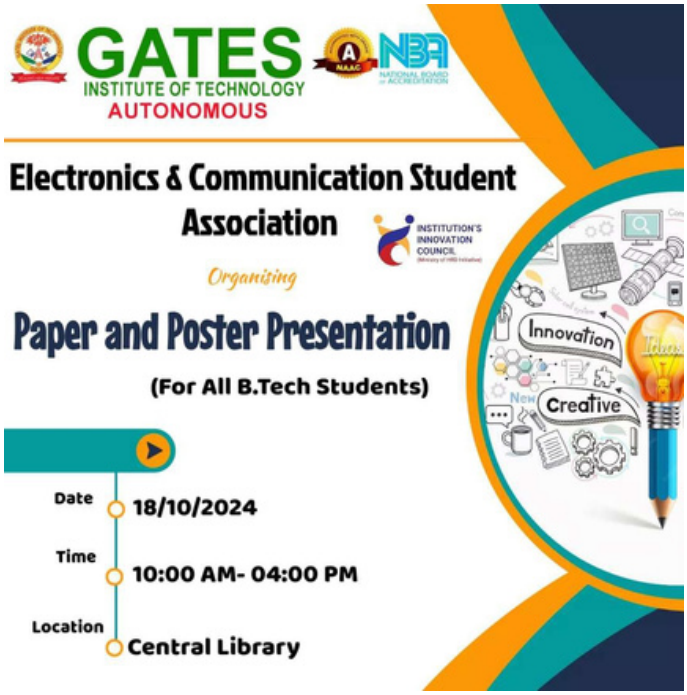
Photos of the event Mind Brawl

Poster & Paper Presentation

Effective communication of technical ideas and the ability to present innovative concepts are essential skills for engineering students in today's competitive world. Paper and poster presentations provide a valuable platform for students to showcase their knowledge, research aptitude, and creativity while improving their confidence and professional communication skills.

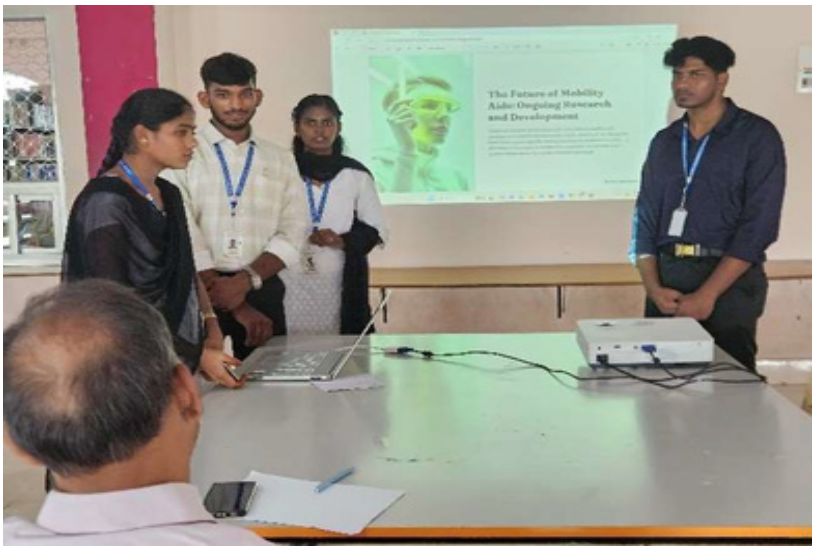
With this objective, the Department of Electronics and Communication Engineering, GATES Institute of Technology, Gooty, under the Electronics and Communication Students Association, is pleased to organize a

Paper and Poster Presentation event for all B.Tech students. This event encourages participants to present their research ideas, technical innovations, and creative concepts in a structured and impactful manner.



The event will be held on 18th October 2024 from 10:00 A.M. to 04:00 P.M. at the Central Library. Participants will have the opportunity to demonstrate their technical knowledge, improve presentation skills, and engage with peers and faculty members. It serves as an excellent platform for students to enhance their analytical thinking, communication abilities, and confidence while gaining exposure to diverse ideas and innovations.




The Future of Mobility
Aids: Ongoing Research
and Development





Photos of the event Poster & Paper Presentation

Guest lecture

This announces a guest lecture organized by the Electronics and Communication Students Association of Gates Institute of Technology, an autonomous engineering college affiliated with JNTUA in Anantapuramu, India. The event is designed to benefit students, particularly those studying Electronics and Communication Engineering (ECE), by providing guidance on higher education and career development.



The central figure of the lecture is M. Narayana Swamy, who serves as the Director of Engineers GATE Academy. His expertise suggests that the talk will focus on competitive exams like GATE (Graduate Aptitude Test in Engineering), higher studies opportunities, and career pathways available to engineering students. The topic of the lecture, “Higher Studies and Career Mentoring in ECE,” indicates that attendees can expect insights into postgraduate education options, specialization choices, preparation strategies for exams, and general career planning within the ECE field.

The lecture is scheduled for 3rd August 2024, from 10:00 AM to 1:00 PM, and will take place at the APJ Abdul Kalam Auditorium within the institution. The timing and venue suggest a formal academic setting, likely accommodating a large number of students and faculty members. The event appears to be structured as a significant academic session rather than a brief talk, given its three-hour duration.

Overall, the poster serves as an effective promotional tool aimed at encouraging ECE students to attend a valuable academic session. It clearly communicates the purpose, speaker credentials, topic, schedule, and venue, while also showcasing the institution’s commitment to student development and career guidance. The event itself appears to be a meaningful opportunity for students to gain insights into their future academic and professional paths, especially in a competitive and evolving field like electronics and communication engineering.





Photos of the event Higher Studies & Career Mentoring.

Role Of AI in Electronics & Communication Engineering

The main motto of a guest lecture is typically to promote the knowledge on the Role of AI in Electronics & Communication Engineering to the students to know how AI is used in ECE, with this AI what we can learn and how we can implement these all things are explained by our **HOD, Dr.Archek Praveen Kumar, Department of ECE**. It aims to gain knowledge to the students and with this guidance they can find the new things and implement.







Photos of the event Role Of AI

The Role of AI in Electronics and Communication Engineering lecture is given by our HOD, Dr. Archek Praveen Kumar. With his guidance, the students can able to learn and gain knowledge about AI in ECE.

All II & III B.Tech I semester students are part of this admirable event where they can gain knowledge on Role of AI in ECE. All are curious about the event to learn more things from the lecture.

Taxpayer-Funded sector

The central theme of the event is clearly highlighted as a “Debate”, with the specific topic being “Taxpayer-Funded Sector.” This topic suggests that participants will discuss and argue about areas funded by public money, such as education, healthcare, infrastructure, or government services. It is a relevant and thought-provoking subject that encourages students to explore public policy, economic priorities, and the role of government spending in society. By choosing such a topic, the organizers are promoting awareness of real-world issues beyond technical education.



The event is scheduled for 25th January 2025, from 2:30 PM to 4:10 PM, making it a relatively short but focused session of about 1 hour and 40 minutes. Instead of a single auditorium, the venue is listed as

“Respective Classrooms,” which implies that the debate may be conducted in multiple sections or groups simultaneously. This approach allows more students to participate actively rather than just observe, fostering inclusive engagement.

Participation is specifically limited to 2nd and 3rd year students, indicating that the event targets students who already have some academic exposure and are better prepared to engage in structured arguments. This also suggests that the debate might be part of internal academic or co-curricular development activities within the department.

Photos Taxpayer-Funded Sector

A Talk on Higher Studies

In today’s competitive academic and professional landscape, awareness about higher education opportunities plays a crucial role in shaping students’ careers. Understanding various pathways such as postgraduate studies, specialization options, and global education opportunities helps students make informed decisions about their future.

With this objective, the Department of Electronics and Communication Engineering, **GATES Institute of Technology, Gooty**, under the Electronics and Communication Student Association, is organizing **“A Talk on Higher Studies”** for second- and third-year students. This session aims to guide students on available higher education options, entrance examinations, career prospects, and the importance of advanced learning.

The event will be conducted on **04 March 2025** from **2:30 P.M. to 4:10 P.M.** in the respective classrooms. It provides a valuable opportunity for students to gain insights into academic growth, clarify their doubts, and prepare for future educational pursuits. The session will help students broaden their perspectives, set clear goals, and build confidence in planning their academic journey.

GATES INSTITUTE OF TECHNOLOGY

Approved by A.I.C.T.E. & Affiliated to JNTUA, Ananthapuramu, Gooty,Ananthapuramu(Dist)A.P

AUTONOMOUS



Note :Only for 2ND and 3RD year Students

Photos of the event the Talk on Higher Studies