



B.E. Computer Science Engineering

The B.E. in Computer Science & Engineering program at GAT offers a strong foundation in programming, data structures, algorithms, operating systems, and computer networks. It also includes emerging technologies like AI & ML, Cyber Security, Cloud Computing, Deep Learning, DevOps, Full Stack Frameworks and IoT. Industry-relevant elective subjects and value-added programs enhance the curriculum.

| Course Highlights

- **Vibrant Teaching-Learning Process:** Emphasizes effective mentoring mechanisms.
- **Project-Based Learning and Research Focus:** The program incorporates project-based learning to ensure students gain practical experience and apply theoretical knowledge to real-world challenges.
- **Centers of Excellence:** Specialized hubs for Full Stack Development in partnership with NTT Data Pvt. Ltd. and Cyber Security.

| Key Initiatives and Achievements

- **Industry Visits:** Students visited NxtGen Datacentre, ISRO, Cognizant Softvision, and Siemens CoE at GTTC as part of the Industry-Institute Interaction Program.
- **Workshops:** IEEE hands-on workshop on Medical Imaging Acquisition to Image Creation conducted on June 22 for students, faculty, and industry practitioners.
- **Higher Education:** Outgoing students secured admissions in prestigious institutions such as IIT Guwahati for direct Ph.D. programs and various reputed global universities for master's programs.
- **Industry Collaboration:** Established a Centre of Excellence in Full Stack Technologies through an MoU with NTT Data Services and conducted an Educator Readiness Workshop in collaboration with UiPath India Ltd.



| Future Career Avenues

- Software Developer/Engineer
- Data Scientist/Analyst
- Cybersecurity Specialist
- Cloud Solutions Architect
- Machine Learning Engineer
- Full Stack Developer
- DevOps Engineer
- Internet of Things (IoT) Engineer
- Research Scientist