



GIT
ENGINEERING COLLEGE
GREGORIAN INSTITUTE OF TECHNOLOGY
(Approved by AICTE, Affiliated to KTU)

IITM
PRAVARTAK
CATALYSING INNOVATION



Unlock limitless success.
Dream it. Do it.

CODE: GIK



www.git.ac.in

Admission Enquiry: **Ph: +91 9447239999**

About GIT, Kangazha:

Gregorian Institute of Technology (GIT) was established by MGM Education and Charitable Trust, Pathanamthitta in the year 2017 at Kangazha in Kottayam district. GIT stands tall among the other institutions in providing quality and best education to the students and professional relevance to the needs of the industry. GIT is keen in putting continuous efforts to prepare the students with all skill sets and industry ready. Within seven years of its inception, GIT has come up with flying colours and established itself as the first technical institution in Kerala to achieve rare feats in the field of technical education, which includes NBA accreditation, Skilling and many more..

Vision

To be an eminent institution in academic excellence, research and innovation, keeping pace with the latest technological developments, and thereby producing competent technocrats to address global challenges.

Mission

- To instil scientific creativeness through student centric learning methodologies and effective teaching learning process;
- To collaborate with other academic and research institutes, industries to strengthen multidisciplinary education and research;
- To nurture incubation centres enabling structured entrepreneurship and start-ups;
- To create a conducive research ambience that drive innovation and supports research-oriented scholars and outstanding professionals;
- To inculcate human values and ethical principles to cater to the societal needs.

Gregorian Centre for Foreign Languages



Gregorian Centre for Foreign Languages conducts classes in English and German languages regularly for the students. The Centre lays a strong platform for the students to build their skills in English and German. The Centre offers courses in German language which are based on the four levels: A1, A2, B1, and B2, as defined in the Common European Framework of Reference for Languages. The language skills you acquire in our courses offered by the Centre can be measured quantitatively and are in international standards.



B.Tech Admission Open 2025

Admissions are now open for B.Tech programs with **IITM Pravartak ISP Certification and Assured Placement Opportunities.**

B.Tech Courses Offered

- B.Tech - Computer Science Engineering
- B.Tech - Artificial Intelligence & Data Science
- B.Tech - Artificial Intelligence & Machine Learning
- B.Tech - Electronics & Communication Engineering

Scholarship Programme

Out of Box Thinking Through Programming

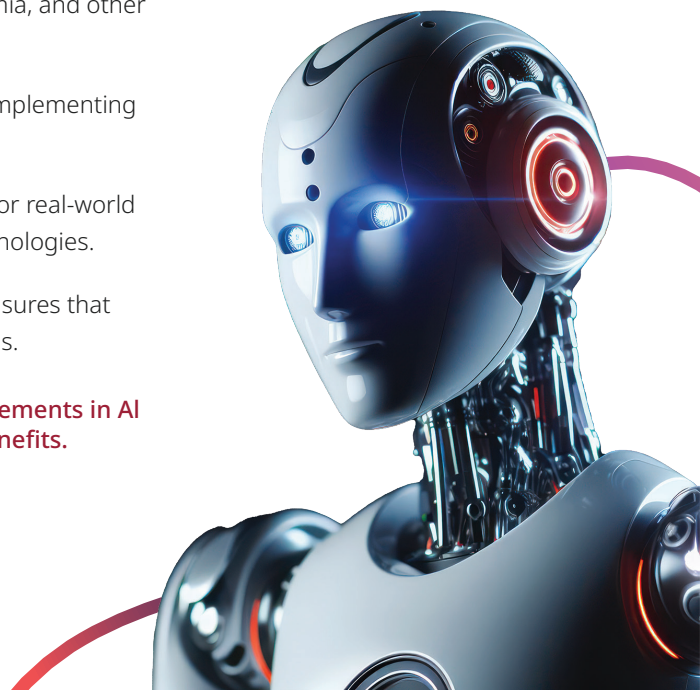
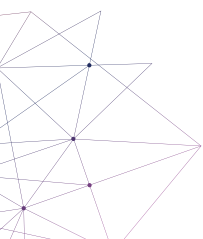
A specialized program offered by GIT in collaboration with IIT Madras Pravartak.

AI & Data science, Machine learning, Robotics, Centre of Excellence

A Centre of Excellence (CoE) in AI, Data Science, Machine Learning, and Robotics serves as a hub for expertise, research, and innovation. The students are encouraged and supported to participate in national level technical competitions, idea pitching to expand their knowledge.

- **Training & Workshops:** Offers specialized training programs to upskill professionals and students, ensuring they are equipped with the latest skills and knowledge.
- **Collaboration:** Fosters collaboration between industry, academia, and other stakeholders to drive innovation.
- **Consultation:** Provides expert consultation to businesses on implementing AI, ML, and robotics solutions tailored to their needs.
- **Prototyping & Solutions:** Develops prototypes and solutions for real-world problems, demonstrating the practical applications of the technologies.
- **Policy & Ethics:** Addresses the ethical implications of AI and ensures that developments are aligned with regulatory and ethical standards.

Establishing such a CoE can significantly accelerate advancements in AI and related fields, driving economic growth and societal benefits.



GIT and IITM Pravartak Partnership



Once again GIT stands first in signing a Memorandum of Understanding (MoU) with Indian Institute of Technology Madras (IITM) - Pravartak, Chennai. Based on the MoU, students admitted in GIT will be provided Industrial Skilling by the experts from IITM Pravartak - **First of its kind in the State of Kerala.**



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What is Industrial Skilling?

Industrial Skilling provides an opportunity for the students to understand and acquire the experience to work in an industry environment. Industrial Skilling empower students with the skills needed and make them ready to face any challenges in the changing technical world and thereby excel in their chosen careers.

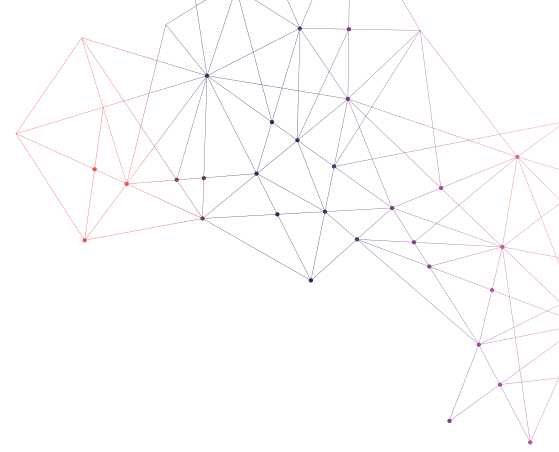


Industrial Skilling @ GIT

GIT in collaboration with IITM Pravartak has launched a 5-semester Industrial Skilling Programme (ISP) for engineering students starting from the second semester of the programme. The programme will be imparted to the students in the regular class hours without affecting their curriculum. The classes are conducted by experts from IITM Pravartak.

IITM Pravartak ISP curriculum has a strong industry focus and covers all areas and skills needed in the digital era. It enables students to build industry demanded skills and to connect with industry experts through industry mentorship programs and assessments.

Areas and Skills needed in Digital Era



- A** APPS, ARTIFICIAL INTELLIGENCE, AUTOMATION
- B** BIG DATA AND BLOCKCHAIN
- C** CLOUD, CYBER SECURITY, CONNECTIVITY (5G)
- D** DIGITAL, DATA SCIENCE, DATA VISUALIZATION, DIGITAL TWINS
- E** ENTERPRISE ARCHITECTURE, EDGE COMPUTING

ISP provides a detailed insight into Industry Common Technology and Industry Specific Technology. In the 5-semester ISP, first three semesters are dedicated to Industry Common Technology and the last two semester is meant for Industry Specific Technology.



Courses under Industry Common Technology:

- Mysql / MongoDB foundation
- OOPs, APIs (Application Programming Interface) and DB interface
- Python and Data Science Foundations

Courses under Industry Specific Technology:

- ML Tech Stack
- System Design
- Data Science / Java Full Stack
- Data Science Analytics & Visualization Stack
- Web Development Stack with UI/UX

Course Pattern

SEMESTER	SUBJECT	OBJECTIVE	LANGUAGE / TECH
2	Problem solving with Industry Data Structures	To introduce industrial coding, and to build problem-solving foundational capabilities of students	C/C++
3	Industrial Algorithms & Common Technologies - I	To enhance the quality of industrial coding and problemsolving capabilities of students.	C++ and Python Technologies: Python Libraries for Mathematics, Scientific computations, and Data Science foundations.
4	Industrial Algorithms & Common Technologies - II	To improve the efficiency of industrial coding and problemsolving capabilities of students, and to practice projects using industrial technologies	Python and Java Technologies: RDBMS/MySQL, NoSQL/Mongo DB, Java/OOPS
5	AI/ML Technologies – I Cloud Technologies – I Full-Stack Technologies –I (any one)	To improve the efficiency of industrial coding and problemsolving capabilities of students, and to guide them in creating industry grade projects	Python and Java Technologies: AI/ML: Python libraries, Jupyter notebook, Scikitlearn Cloud: Microservices, Docker, Kubernetes Full-stack: HTML, CSS, JavaScript, React JS.
5	Advanced Data Structures and Algorithms – I (With Mock-interviews, Interview like tests.)	To make students to get more experienced with advanced data structure problem solving with optimal solutions and speedy thinking of solutions	Competitive programming, training and coaching given to students towards solving at-least 50 to 100 problems from various competitive platforms.
6	AI/ML Technologies – II Cloud Technologies – II Full-Stack Technologies –II (any one)	To improve the efficiency of industrial coding and problemsolving capabilities of students, and to guide them in creating industry grade projects	Python and Java Technologies: AI/ML: Scikit-learn, NLTK. Cloud: DevOps - CI/CD, Monitoring tools. Full-stack: NodeJS, MongoDB, Cloud deployment / Cloud API integration
6	Advanced Data Structures and Algorithms – II (With Mock-interviews, Interview like tests.)	To make students to get more experienced with advanced data structure problem solving with optimal solutions and speedy thinking of solutions	Competitive programming, training and coaching given to students towards solving at-least 50 to100 problems from various competitive platforms

Four years at GIT equals

Students who complete both B.Tech and the ISP program from IITM Pravartak are highly sought after by the industry. Top MNCs consistently prefer recruiting ISP-certified graduates for their proven skills and readiness.



RECRUITERS





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(Approved by AICTE, Affiliated to KTU)

The only institution in Kerala to provide
B.Tech. degree plus IITM Pravartak Certification in ISP
for the students who become masters and high-fliers in their career.



Collaborations



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