

```
SendData PORTB
delay_sec(1);
idle = 0;
digits = 0;
data_read = 0;
while (1) {
  data = HdPortA();
  data & 0x0F;
  if (data_read == 0) { /* if digit not processed yet */
    data &= 0x0f;
    if (data == 12) { /* if 8 key */
      if (digits == 4) /* check code */
        digit1 == 0x081 8A
        digit2 == 0x082 8A
        digit3 == 0x083 8A
        digit4 == 0x084) { /* set BCO if correct code */
          delay_sec(2); /* reset */
          idle = 0;
          data_read = 0;
          digits = 0;
          data = 0;
          digits = 1;
        }
      data_read = 1;
    }
  }
}
```



**FACULTY OF
COMPUTER APPLICATIONS AND
INFORMATION TECHNOLOGY**

MCA

M.Sc. (IT)

M.Sc. (Cyber Security)

PhD

ABOUT GLS UNIVERSITY

GLS University is committed to fostering an innovative and ideal learning environment, building on the proud legacy of its founding institution, **Gujarat Law Society (GLS)**. Established in 1927, GLS is one of the oldest and largest educational organizations in Gujarat, envisioned by eminent leaders such as **Sardar Vallabhbhai Patel, Shri Ganesh Mavlankar—the first Speaker of India—and Shri I. M. Nanavati.**

Founded in April 2015 under the Gujarat Private University Act 2009, GLS University has rapidly grown into a mammoth institution, enrolling over **15,000+ students across 9 departments** and offering **25+ programmes** in diverse fields, including **Business Management, Commerce, Law, Computer Applications, Engineering, Design, Performing Arts & Liberal Studies.**



Accreditation & Recognition

GLS University has been awarded the prestigious NAAC A+ grade with a CGPA of 3.44 (1st), making it the only private university in Gujarat to achieve the highest points. This distinction reflects the university's comprehensive growth in industry-focused curricula, innovative teaching methods, impactful research, infrastructure development, e-governance, and its commitment to promoting social values.



Campus & Facilities

Located in the heart of Ahmedabad, GLS University offers a safe, welcoming, and student-centric environment. The lush green campus is equipped with modern classrooms, computer labs, a well-stocked library, indoor and outdoor sports facilities, a gymnasium, seminar halls, an auditorium, and a cafeteria—providing a holistic space for both academic and recreational growth.



Academic Excellence & Industry Integration

GLS University blends flexibility, hands-on learning, and interdisciplinary approaches to empower students to explore their passions and pursue dream careers. Strong industry partnerships, apprenticeship programmes, and corporate collaborations ensure experiential learning and career readiness. Value Added Courses further enrich the academic journey by equipping students with skills in digital literacy, entrepreneurship, communication, analytics, and leadership.



Faculty & Research

Our faculty members are distinguished experts dedicated to impactful research that contributes positively to society and the environment. The university emphasizes social consciousness, intellectual challenges, and cultural diversity, shaping graduates into responsible global citizens.



Vision & Alignment with NEP 2020

GLS University is recognized as an educational hub that blends liberal thinking with rigorous learning, fully aligned with the National Education Policy (NEP) 2020. With flexible entry-exit options, dual degree programmes, and multidisciplinary pathways, GLS University ensures students are prepared for the evolving global landscape.

FROM THE PRESIDENT'S DESK



GLS University is a place where excellence thrives, and innovation flourishes. Established in 1927 by the Gujarat Law Society, our institution carries forward a proud legacy of knowledge, creativity, and leadership. Today, with the prestigious A+ NAAC grade and global recognition, GLS University stands as a beacon for students who aspire to lead with integrity, wisdom, and courage.

As we approach 2026, Gujarat Law Society will enter its 100th year of its distinguished journey. This centenary is a proud testament to our legacy of knowledge and leadership, and GLS University stands ready to carry this vision into the next century—advancing research, strengthening global collaborations, and nurturing ethical leaders for generations to come.

We are committed to delivering education at par with the finest institutions worldwide. Our programs emphasize strong foundational knowledge, rigorous pedagogy, and academic research, while our innovative curriculum integrates real-world challenges. With distinguished faculty, global collaborations, and strong industry partnerships, we prepare students to become ethical leaders who think critically, communicate effectively, and serve society with conviction.

In a city where East meets West, GLS University embodies the blending of diverse cultures and intellectual traditions. Diversity, intercultural learning, and innovation are at the heart of our mission, supported by an extensive international network of academic collaborations and a curriculum designed in partnership with leading institutions worldwide. This global perspective ensures our graduates are equipped to excel in both national and international arenas.

Our vision for the next decade is to create a holistic environment that encompasses state-of-the-art infrastructure, a conducive atmosphere for learning and development, a strong research orientation, enhanced innovation capabilities, and global outreach. By nurturing intelligence, emotional resilience, analytical ability, and creativity, we ensure the holistic growth of our students and prepare them to meet the demands of a diverse and complex world.

GLS University remains steadfast in its commitment to excellence, innovation, and ethical leadership. Empowering minds and inspiring futures, we continue to stand as a trailblazer in higher education—where tradition meets progress, and where students are transformed into leaders dedicated to serving the greater good.

Sudhir Nanavati
President

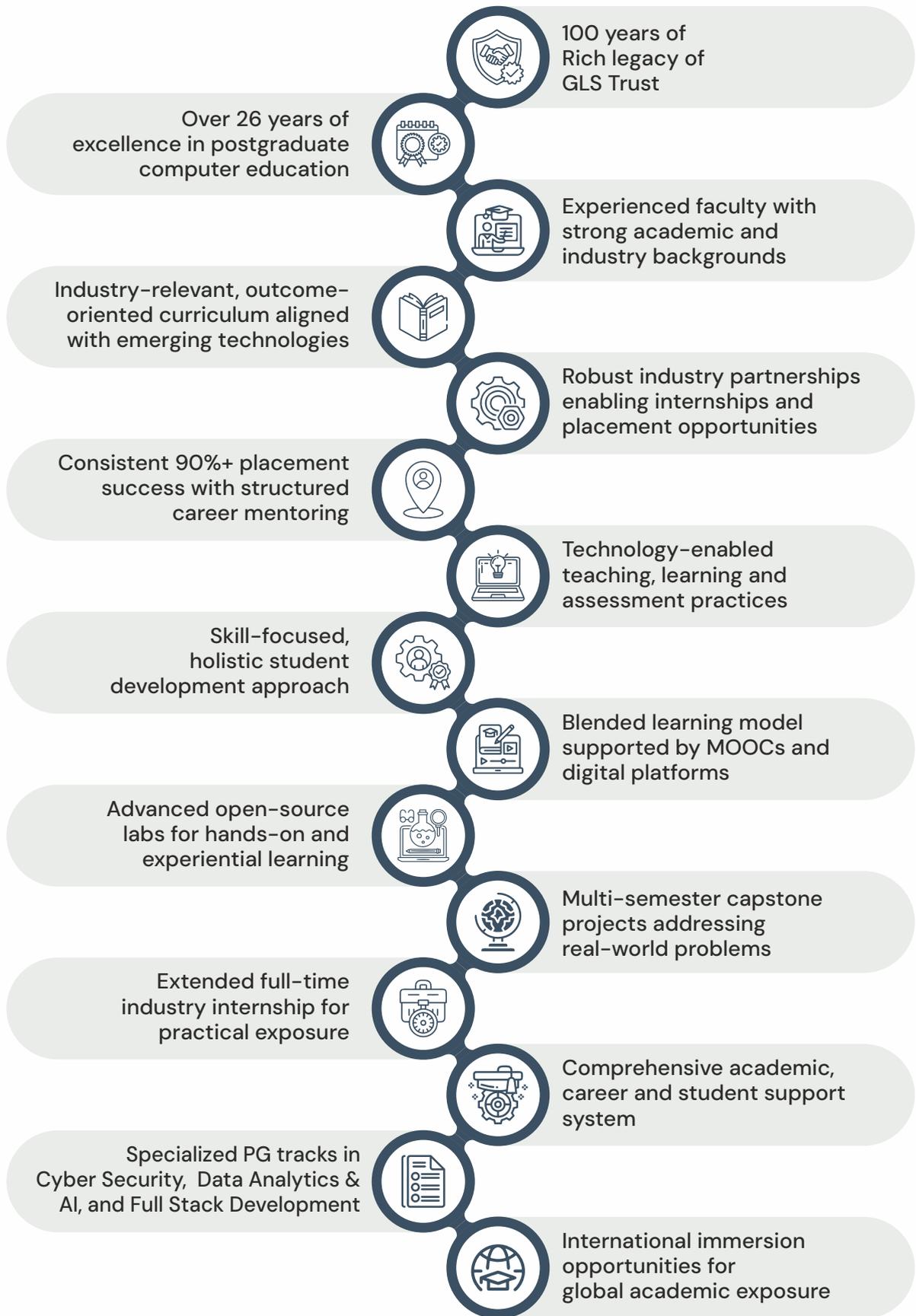
ABOUT FCAIT-PG

Faculty of Computer Applications and Information Technology (FCAIT) stands as a beacon of excellence in computer science education, shaping the future of technology-driven professionals for the past 25 years. With a strong legacy of academic rigor, innovation, and industry-oriented learning, FCAIT offers Master of Computer Applications - MCA, Master of Science in Information Technology - M.Sc. (IT), Master of Science in Cyber Security - M.Sc. (Cyber Security), and Doctoral (PhD) programs in Computer Science.

With state-of-the-art infrastructure—including well-equipped computer laboratories and classrooms, faculty rooms, student reading rooms, a library, and a seminar-cum-conference room for placement activities and corporate training—the department provides a strong academic environment supported by experienced faculty. Backed by strong industry collaborations with over 100 IT companies for placements and internships, the department maintains a placement rate above 90% while empowering students to excel in software development and innovative research in AI & ML, Data Science, Cybersecurity, and emerging technologies.



SALIENT FEATURES



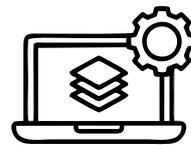
COURSES OFFERED

The FCAIT PG department offers 2 years Master's Programme in Computer Applications and Computer Science. It also offers a doctoral programme in Computer Applications and Information Technology.

MCA



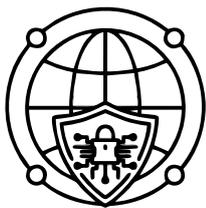
M.Sc.(IT)



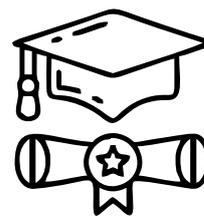
Specialization Streams:

- Data Analytics and AI
- Full Stack Development

M.Sc. (Cyber Security)



PhD



MCA PROGRAMME

The Master of Computer Applications (MCA) program provides a comprehensive understanding of developing efficient software and computer applications. Combining theoretical concepts with practical training, the program equips students with the necessary tools to design and build sophisticated applications while staying updated with industry trends. It also prepares them to excel in a competitive professional environment.

To enhance learning, the institute employs diverse teaching methodologies, including lectures, presentations, seminars, workshops, laboratory sessions, and project work. These approaches help students develop conceptual, analytical, and decision-making skills, ensuring they are ready to tackle real-world challenges in organizational settings. Student performance is continuously evaluated through assignments, presentations, software experimentation, quizzes, tests, and mid-term and semester-end examinations, maintaining high academic standards in both theoretical and practical aspects.

While classroom instruction and laboratory work form the foundation of the program, the institute strongly encourages students to engage in hands-on project implementation. This process involves gathering project requirements, system analysis, and designing a computerized system for execution. Ultimately, students compile a detailed project report and present their work before experts for evaluation, reinforcing their technical and problem-solving abilities.

CAREER PROSPECTS



BUSINESS
DATA ANALYST



APPLICATION
ANALYST



INFORMATION
SYSTEMS MANAGER



WEB DESIGNER
& DEVELOPER



DATA
ADMINISTRATOR



SOFTWARE
DEVELOPMENT
EXECUTIVE



SECURITY
ANALYST



BLOCKCHAIN
DEVELOPER



UI/UX
DESIGNER



DATA
ANALYSTS



DATA
ENGINEER

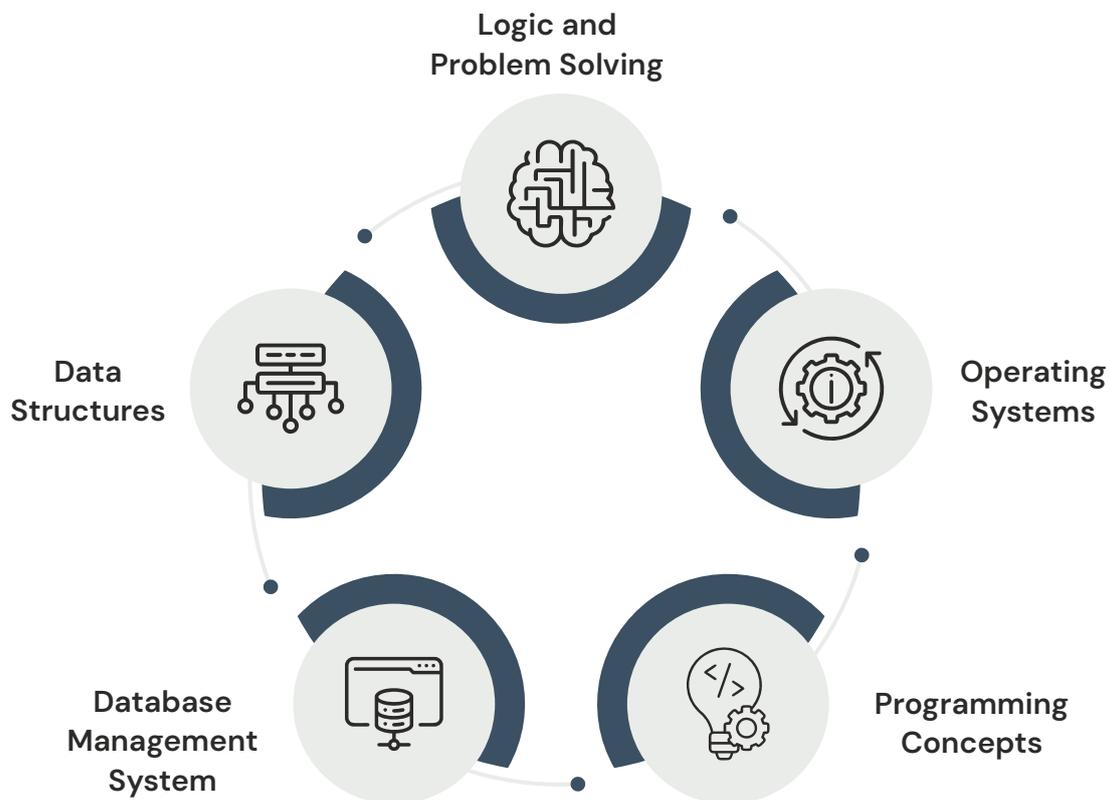


DATA
SCIENTIST

BRIDGE COURSE FOR MCA

The MCA is a two-year postgraduate program designed to develop strong technical expertise in software development and the IT industry. As per AICTE guidelines, the program is open to both computer science and non-computer science graduates and covers emerging technologies such as AI, ML, IoT, Cloud Computing, Blockchain, and Data Analytics.

To support students from non-computer backgrounds, a Bridge Course is offered to build foundational knowledge in computer applications. It covers essential prerequisites including:



ADMISSION PROCESS

The admission to MCA is done in a centralized manner by the Admission Committee of Professional Courses (ACPC). Out of the total seats, **50% of seats** are filled under management Quota by the institute as per ACPC norms.

For further guidelines, please visit: <https://gujacpc.admissions.nic.in/>

ELIGIBILITY CRITERIA

Mandatory Requirement:

The aspiring candidate shall have appeared in CMAT examination conducted by NTA (prescribed by AICTE) and shall have passed qualifying examination with minimum 50% (45% for SC/ST/SEBC/EWS categories) for MCA course.

A candidate shall have passed qualifying examination of B.C.A. / B.Sc. (Computer Science) / B.Sc. (IT) / B.E. (CSE) / B.Tech. (CSE) / B.E. (IT) / B.Tech. (IT) or equivalent Degree or passed any graduation degree (e.g. B.E. / B.Tech. / B.Sc. / B.Com. / B.A. / B.Voc. / etc.) preferably with Mathematics, Business Mathematics or statistics at 10+2 level or, as the case may be, at Graduation level with minimum 50% (45% for SC/ST/SEBC/EWS categories) in accordance with prevailing admission rules and AICTE guidelines.

* For final eligibility status please visit <https://gujacpc.admissions.nic.in>

COURSE OUTLINE

The MCA program is designed to provide students with in-depth knowledge of computer science, software development, data management, networking, and emerging technologies. It combines theoretical concepts with hands-on practical training to equip students for various roles in the IT industry.

SEMESTER – I

AI and Applications

Software Design Methodologies

Programming and Debugging Using LLMs

Practicals based on Machine Learning

Capstone Project – I

Elective 1 – Theory

Elective 2 – Theory

SEMESTER – I ELECTIVE

Cohort 1: Data Analytics

- Business Analytics
- Data Science

Cohort 2: Cyber Security

- Computer Networks
- Information and Network Security

SEMESTER – II

Blockchain Technologies

Fundamentals of Quantum Computing

Frontend Development Technologies

Server Side Application Development

Capstone Project – II

Elective 3 – Theory

Elective 4 – Practical

SEMESTER – II ELECTIVE

Cohort 1: Data Analytics

- Big Data Technologies
- Practical of Big Data Technologies

Cohort 2: Cyber Security

- Penetration Testing and System Hardening
- Practical of Penetration Testing and System Hardening

SEMESTER – III

Software Testing

Generative AI and LLMs

Human Computer Interaction

Cross Platform App Development using Flutter

Elective 5 – Theory

Elective 6 – Theory

Elective 7 – Practical

SEMESTER – III ELECTIVE

Cohort 1: Data Analytics

- Data Visualization
- Deep Learning
- Practical of Deep Learning

Cohort 2: Cyber Security

- Incident Response Management
- Malware Analysis
- Practical of Malware Analysis

SEMESTER – IV

Managerial and Ethical Aspects of IT

Container Technologies

Industry Internship

M.Sc.(IT) PROGRAMME

The M.Sc. (Information Technology) is a full-time, two-year postgraduate program designed for individuals aspiring to build a strong foundation in modern computing. The program provides a comprehensive understanding of IT technologies with a balanced emphasis on core computer science theories and their practical application to solve real-world problems.

Developed with valuable input from industry professionals, the curriculum is regularly updated to reflect current technologies and employment trends. It covers a broad range of contemporary topics and is structured to support students in pursuing career opportunities or advanced research in computing and IT-related domains.

The program offers specialization tracks in Data Analytics & AI and Full Stack Development, catering to the evolving needs of the IT industry. On successful completion, graduates acquire advanced technical skills and professional competencies required to excel in IT-related careers.

CAREER PROSPECTS



Data Analytics and AI

- AI Architect
- Business Analyst
- Business Intelligence (BI) Analyst
- Data Analyst
- Predictive Analytics Analyst
- Data Scientist



Full-Stack Development

- Mobile App Developer
- MERN/MEAN Stack Developer
- Backend Developer
- Frontend Developer
- Software Engineer
- UI/UX Designer

COURSE OUTLINE

The M.Sc. (IT) curriculum offers a strong blend of advanced computing knowledge, industry-relevant skills, and hands-on learning through capstone projects to prepare graduates for dynamic careers in information technology.

SEMESTER – I

Data Structures & Algorithm

Object Oriented Analysis and Design

Cyber Security and Cyber Law

Database Architecture and Design

Practical 1: Object Oriented Programming using Python

Practical 2: Database Architecture and Design

Capstone Project – I



SEMESTER – II

In this semester the student will be offered 3 compulsory subjects + 1 Practicals of Artificial Intelligence & Machine Learning subject and 3 subjects based on the track chosen by him/her:

Compulsory Subjects:

Cloud and Web Services

Artificial Intelligence & Machine Learning

Computer Networks

Practical 1: Artificial Intelligence & Machine Learning

Capstone Project – II

Elective Track

SEMESTER – II ELECTIVE

Track 1: Data Analytics and AI

- Statistics for Data Analytics

- Practical 1: Data Analytics & Visualization

- Practical 2: Distributed File System

Track 2: Full-Stack Development

- UI/UX Design

- Practical 1: Web Programming using Python

- Practical 2: Mobile Application Development using Flutter

SEMESTER – III

In this semester the student will be offered 2 compulsory subjects + 1 Career Skills Development subject and 3 subjects based on the track chosen by him/her

Compulsory Subjects:

Distributed Ledger Technology

Software Engineering

Career Skills Development

Elective Track

SEMESTER – III ELECTIVE

Track 1: Data Analytics and AI

- Natural Language Processing and Image Processing

- Deep Learning

- Practical 1: Deep Learning

- Practical 2: NLP and Image Processing

Track 2: Full-Stack Development

- Progressive Web Apps

- Mobile Computing Fundamentals

- Practical 1: Mobile Application Development in IOS

- Practical 2: MERN

SEMESTER – IV

Industry Internship

M.Sc. (CYBER SECURITY)

The Faculty of Computer Applications & IT at GLS University offers a 2-year full-time Master of Science in Cyber Security M.Sc.(Cyber Security).

With the rapid digitalisation of banking, e-commerce, governance, healthcare and education, organisations are facing increasingly sophisticated cyber threats. There is a growing need for professionals who can design, implement and manage secure systems, detect and respond to incidents, and support compliance with evolving security regulations. M. Sc. (Cyber Security) is designed to address this demand by offering a deep, practice-oriented postgraduate programme focused exclusively on cyber security. The programme is intended primarily for graduates who wish to build a specialised career in cyber security.

M. Sc. (Cyber Security) will complement the existing MSc (IT) at GLS University by offering a more focused, advanced and research-oriented pathway for students who want to pursue cyber security as their core domain. It will also lay the academic foundation for future research and doctoral work in the area.



COURSE OUTLINE

The M.Sc. (Cyber Security) curriculum emphasizes fundamental concepts of information, computer, and network security, while offering hands-on learning through case studies, self-learning activities, and industry exposure.

SEMESTER – I

Foundations of Cyber Security,
Compliance and Cyber Law

Computer Networks

Artificial Intelligence & Machine Learning

Cloud and Web Technologies

Linux Administration and Security Laboratory

Python Programming

Capstone Project – 1

SEMESTER – II

Cryptography and Secure Communication

Secure Application Architecture

Penetration Testing Methodologies

Network Security

VAPT Laboratory

Network Security Laboratory

Capstone Project – 2

SEMESTER – III

Security Operations

Malware Analysis

Digital Forensics and Evidence Handling

Mobile Security

Incident Response Management Laboratory

Mobile Security Laboratory

SEMESTER – III ELECTIVE

• Drone Security

• Cloud Security

• IoT Security

SEMESTER – IV

Blockchain Security

Industry Internship



ADMISSION PROCESS FOR M.SC. PROGRAMMES

- Admissions will be given based on score obtained in graduation and personal interview.
- **Candidates who have appeared in the final year examination can also apply.**
- GLS University reserves the right to make any exception in the above rules without any notice. However, in case of any doubt regarding interpretation of any clause, the decision of the University authorities shall be final.
- Allocation for SC, ST, SEBC etc. categories will be as per the rules of the University and State Government of Gujarat prevailing at the time of admissions.



ELIGIBILITY CRITERIA FOR M.SC. PROGRAMMES

The candidate should have passed any of the qualifying examination as mentioned during the current year:

- Bachelor's Degree in Computer Science | Computer Applications | Information Technology
- Bachelor's Degree in Engineering or Technology
- Bachelor's Degree in Science | Commerce | Business Administration
- Any Bachelor's Degree + PGDCA from UGC recognized University



SPORTS

FCAIT-PG actively encourages student participation in a wide range of sports activities. Through the University's Sports Fest, students have showcased both individual talent and team spirit. Balancing these activities with academics has helped them develop sportsmanship, resilience, and the ability to face challenges and setbacks in life. Students participated in events such as cricket, volleyball, football, and chess, with several achieving notable recognition.



ART & CULTURE

Through a range of cultural events such as the Youth Festival, Teacher's Day celebrations, and Navratri festivities, FCAIT provides students with ample opportunities to showcase their talents. These platforms enable students to demonstrate diverse skills and abilities. Such activities not only highlight their artistic potential but also emphasize the University's commitment to delivering a holistic education that nurtures both intellectual growth and creative expression.



"AI IS LIKELY TO BE EITHER THE BEST OR WORST THING TO HAPPEN TO HUMANITY." — ELON MUSK

SEMINAR & WORKSHOP

FCAIT-PG actively encourages student participation in a wide range of sports activities. Through the University's Sports Fest, students have showcased both individual talent and team spirit. Balancing these activities with academics has helped them develop sportsmanship, resilience, and the ability to face challenges and setbacks in life. Students participated in events such as cricket, volleyball, football, and chess, with several achieving notable recognition.



CSR ACTIVITY

The department actively conducts a range of community outreach activities, highlighting its commitment to social responsibility. These initiatives include clothing donation drives for the underprivileged, as well as regular blood donation camps where faculty members and students collectively contribute to the well-being of society. Through these efforts, the department cultivates a culture of empathy and service, encouraging students to develop a strong sense of civic responsibility and social awareness beyond the university campus.



PhD PROGRAMME

The Faculty of Computer Applications and Information Technology plays a vital role in providing academic leadership, governance, and policy direction for teaching and research activities. It offers continuous guidance, mentorship, and support to both students and faculty, ensuring a well-organized and enriching academic environment.

The Faculty actively promotes innovation and excellence in education and research across the university by offering a wide range of academic and research-oriented services. These include curriculum support, policy development, expert mentoring, and opportunities for scholarships and research advancement for students, faculty members, and early-career researchers.

Dedicated to strengthening the quality of education, research, and academic culture at GLS University, the Faculty organizes face-to-face and online training programs, seminars, academic events, and technical workshops. It also ensures the effective implementation of academic policies, structured processes, and integrated information systems, while placing strong emphasis on continuous faculty development and adherence to best academic practices.

ELIGIBILITY CRITERIA

Qualifying Programmes

A one year/two semester master's degree programme after a four year/eight semester bachelor's degree programme, with at least 55% marks in aggregate

OR

A Master's degree (bachelor's degree obtained in 10+2+3, followed by a master's degree) or a post-graduate diploma (two Years) in any discipline, with atleast 55%*

OR

A professional qualification such as CA, ICWA, CS with atleast 55%*

* A relaxation of five percent is given to candidates from SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS)

Applications From Foreign Countries

An Equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational institution.

Calculation of Eligibility

The percentage of marks obtained by the candidate is calculated based on the practice followed by the respective university/institution. In case of grades/CGPA, the conversion to percentage will have to be certified by the respective university/institution.

Applications in final year of qualifying programmes

- Candidates in final year of qualifying programs are eligible for application. If selected, such candidates will be offered provisional admission which will be confirmed after submission of mark-sheets and relevant documents providing evidence of having passed the master's degree/equivalent qualification as stated in the application.
- Candidates who apply based on their master's degree will have to submit final marksheet with above stated eligibility criteria.

Non-fulfilment of these conditions will automatically result in the cancellation of the provisional admission.

Applications with UGC-NET and Other Tests Cleared

Applicants who have qualified for fellowship/scholarship in UGC-NET/UGC- CSIR NET/GATE/CEED, will get an exemption from GLSU Research Aptitude Test (GReAT) examination.

All other applicants need to appear for GLSU Research Aptitude Test(GReAT).

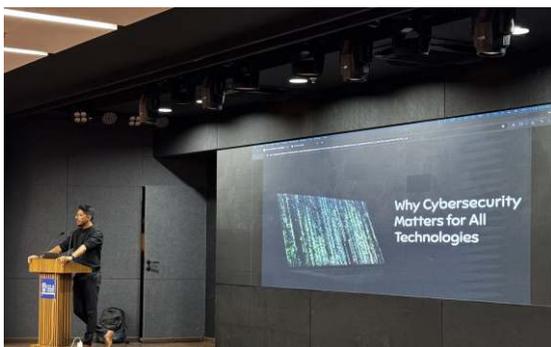
CAMPUS RESOURCES

- Air-conditioned classrooms and tutorial rooms
- Library with 11,000+ Computer Science books and 50 academic journals
- Adobe AI-enabled campus
- 280+ Ubuntu and 60 Mac OS systems with experimental labs
- Secure network infrastructure with high-speed internet (100 Mbps)
- Campus-wide HP Aruba Wi-Fi
- State-of-the-art gymnasium and auditorium facilities.
- Residential accommodations with fully furnished AC/Non-AC rooms available for both male and female students



PEDAGOGY

A variety of methods, including lectures, presentations, webinars, hands-on sessions, workshops, MOOCs, interactive discussions, study tours, and industry projects, are utilized to strengthen students' conceptual understanding, analytical skills, knowledge acquisition, and decision-making abilities, preparing them to meet the challenges of the professional world. The pedagogy also incorporates case studies, group collaborations, peer learning, flipped classrooms, and real-time simulations to promote active engagement and critical thinking. Instruction takes place in well-maintained classrooms and computer labs that are regularly sanitized to ensure a conducive learning environment.



FOSTERING ENTREPRENEURSHIP

The nation can build itself only when we have local companies which satisfy local needs and invest locally. The institute believes in having more and more students own a company and recruit local students. For fulfilling this important need, the institute organizes a live discussion with the Entrepreneurs of some well-known enterprises so that the students have a clear idea of Entrepreneurship. The key points discussed by the Entrepreneurs are Idea Generation, Idea of Automation, Idea Exploration, Feasibility Study, Market Research, Market Study & Competition Study, Future Growth, Operational Plan, Working Capital, Infrastructure, Team Building & Recruitment, Market & Promotional Plan and Execution Plan.

Our Successful Entrepreneurs



Mr. Hardik Savaliya
VP, India operations & Director,
Tech Holding



Mr. Dhairya Shah
Salesforce Solution Architect,
Tekgeminus



Mr. Jay Mevada
Co-Founder, Stackss



Mr. Akhilesh Rami
Co-Founder, Stackss



Ms. Anjali Chhangalani
Business Management Consultant
Hotel German Palace &
German Catering



Ms. Kaivashin Dastoor
Founder, Invesics Cyber
Forensics LLP



Mr. Upendra Zala
Founder and CEO,
Neuramonks



Mr. Jaydeep Adeshra
Founder and CEO,
Conversantech



Mr. Ruchir Shukla
Founder and CTO, BizzAppDev
Systems Pvt. Ltd



Mr. Nikhil Patel
CEO, Complitech



Mr. Param Mehta
Founder, CodingMantra



Mr. Indrajeet Dodiya
Co-Founder, Karmaleen
Technology Pvt Ltd



Mr. Bipin Jitiya
Founder, Cuberk
Solutions Pvt Ltd



Mr. Satish Devnani
Founder, Funky
Developers



Mr. Partiv Patel
CEO, Tech Receptives
Solutions Pvt. Ltd



Mr. Kanish Patel
Founder, Innovartz IT
Services Ltd



Mr. Ashwin Solanki
Co-Founder, Tech
Sentinals LLP



Ms. Aastha Sangtani
Co-Founder, Tech
Sentinals LLP



Mr. Vansh Balyan
Co-Founder, Tech
Sentinals LLP



Mr. Dhruv Solanki
Co-Founder, Tech
Sentinals LLP

INTERNATIONAL CONFERENCE ICASCA-2025

GLS University, in collaboration with Springer, successfully organized the First International Conference on Advances in Smart Computing and Applications (ICASCA-2025) on February 15-16, 2025. This hybrid event brought together leading researchers, academicians, and industry experts from India and beyond to explore cutting-edge advancements in smart computing.

The conference was inaugurated by Dr. Anil Bhardwaj, Director, Physical Research Laboratory, who highlighted the role of smart computing in India's space achievements. Keynote addresses were delivered by Dr. Rajkumar Buyya (University of Melbourne) on cloud & quantum computing and Mr. Maulik Bhansali (CEO, NetWeb Software) on emerging technologies. Plenary sessions featured insightful talks by Dr. Mohit P. Tahlilani (NITK Surathkal) and Prof. (Dr.) Om Prakash Vyas (IIIT Allahabad).

With 112 research paper submissions and 25 high-quality papers selected (22% acceptance rate), ICASCA-2025 upheld rigorous academic standards. The proceedings will be published in Springer's CCIS series (Scopus-indexed).



TECH FEST CYBER SHADEZ

Faculty of Computer Applications and Information Technology annually hosts CYBERSHADEZ, a two-day technology fair that showcases different technical themes each year. The event begins with an inauguration ceremony and utilizes a hybrid format to enable widespread participation. With participants from various institutes across multiple states, the event features a wide range of technical activities. Typically, more than 21 activities are conducted, offering numerous opportunities for attendees to engage and learn. The event attracted over 1000 participants from 50+ institutions and 26 universities.



HACKATHON

A hackathon serves as a platform for students to showcase their technical skills by tackling real-world challenges presented by industry experts. These challenges cover diverse areas, such as NFT-based solutions for museums, detecting fake social media profiles, speech and language recognition, automated attendance systems for Anganwadi centers, and wearable devices for women's safety. Over an intensive 36-hour period, participants work collaboratively to develop applications, websites, or prototypes. The event also provides a unique opportunity for students to engage with industry professionals, gaining hands-on experience and valuable mentorship.

The Smart India Hackathon (SIH) is a nationwide innovation competition in India organized by the Ministry of Education's Innovation Cell and AICTE. It provides a platform for students to solve real-world problems faced by government organizations, industries, and non-profits. One of our teams participated in the event and emerged victorious.



300+
Participants

100+
Teams and
Mentors

30+
Hackathons

20+
Winning
Teams

APP DEVELOPMENT

Pursuing a computer Science degree at GLS University goes beyond learning to design and develop applications—it also equips students with the skills to publish them on the Google Play Store and Apple App Store. Throughout the program, students gain comprehensive knowledge of various mobile technologies and collaborate with faculty to build innovative applications for both Android and iOS platforms. Many of these applications are actively used today, including the Official MSc (IT) App, Tic Tac Toe App, Expense Tracker App, Smart Calculator App, She Secure App, Sarathi App, Cyber Shadex App, GLSU Youth Festival App, GLSU Annual Sports Meet App, English Geeta App, and more. These apps are available on the Android Store.

The Tic Tac Toe App is a digital adaptation of the classic two-player game, where players take turns marking X or O on a 3x3 grid. The objective is to form a row, column, or diagonal with three of the same symbols to win the game. The app developed at GLS University enhances the traditional gameplay by incorporating interactive UI, AI-based single-player mode, and multiplayer functionality.



CAPSTONE PROJECT

In the first and second semesters of all the master's programme, students undertake a self-directed capstone project centered on innovative topics aligned with current advancements in Computer Science. The project promotes independent research and critical thinking, requiring students to explore a chosen area in depth and present their work through a detailed report and presentation. Sample project ideas include:

VibeDrobe

An AI-powered fashion platform with image-based search and smart recommendations.

AI-Based Interview Confidence Analyzer

An AI system that evaluates interview confidence using facial and speech analysis.

VahaanGPT

A smart vehicle assistant offering document tracking, renewal alerts, and chatbot support.

Course Craft

A web-based LMS for digital classrooms, assignments, and performance tracking.

E-Game Scout

A unified platform connecting emerging esports talent with teams through scouting, tournaments, and contracts.

Happy Paws

An all-in-one pet care app with products, services, vaccination tracking, and chatbot support.

Smart Speech Therapy Assistant

An AI-powered solution providing personalized support for speech therapy and stammering.

Blockchain - Based Identity Verification

A decentralized KYC system ensuring secure, transparent identity verification.

Sphere Vision

A real-time lab monitoring system for supervising student activity and resource usage.

PlayMate

A digital sports community for players, coaches, and enthusiasts to connect and collaborate.

PeerLearn

A peer-to-peer learning platform for sharing academic resources securely.

Smart Archiver

An intelligent storage tool that compresses unused photos with secure, customizable controls.

WeekendGo

An AI-enhanced travel booking platform for curated luxury experiences.

Momentica

An end-to-end platform for streamlined event planning and management.

Face Detection Based Attendance System

A touchless attendance solution using real-time facial recognition.

HealthHive

A secure app for storing, managing, and sharing personal medical records.

Voice-Based SQL Chats

A natural-language assistant that converts user queries into SQL for easy database interaction.

Computer Assistant (JARVIS)

An AI virtual assistant that automates everyday desktop tasks and user queries.

DietMotion

An AI-driven diet planner offering personalized meal plans and progress tracking.

MarkMe

A smart attendance system using facial recognition and QR verification.

ChargeNow

An on-demand mobile EV charging service accessible via a user-friendly app.

GLS Bridge

A unified digital campus app connecting students, alumni, events, and services.

ALUMNI REFLECTIONS



Ms. Kinjal Akhani | Cloud Engineer, Google

My time at GLS has been truly unforgettable. The institute offered learning experiences beyond the curriculum, creating a holistic academic environment. Alongside academics, we were motivated to engage in various extracurricular activities that supported our overall development. The faculty consistently extended their support to simplify complex concepts and address students' queries, making the learning process both effective and enriching.

Ms. Saloni Shah | Website Developer, Tata Consultancy Service (TCS)

Studying at GLS was an incredible experience. The faculty members were highly interactive and always supportive, emphasizing practical knowledge that proved invaluable in my professional journey. I can confidently say that the institution goes beyond quality education—it also encourages extracurricular activities that contribute to holistic growth. The knowledge and skills I gained here have played a crucial role in shaping my career.



Mr. Darshan Rachchh | Junior Software Developer, Tableflow Tech Private Ltd



GLS transformed my learning from theory to practical, hands-on experience through regular labs and real-world projects. I learned to build applications with a strong focus on user experience and industry standards. The university also encouraged research work and international paper presentations, strengthening our professional profiles. Along with technical skills, GLS helped me develop communication, leadership, and teamwork abilities. I am grateful to the faculty and GLS University for making me a confident, industry-ready professional.

Mr. Pritesh Bhatia | Sotwar Engineer, Tech Holding

My journey as a master's student at GLS University was a highly enriching learning experience. The curriculum was industry-oriented, and the faculty members were always supportive and approachable. The practical assignments, projects, and guidance I received helped me gain confidence and prepare for real-world challenges in the IT field.



Ms. Shivani Agrawal | Business Analyst, Sales Pro Limited



As an alumna of GLS University I can confidently say that my time here was truly transformative. The faculty's cooperative nature and willingness to go the extra mile made a huge difference in my learning journey. The campus environment is friendly and inclusive, making it easy to connect with peers and build lifelong relationships. The innovative curriculum and emphasis on practical learning equipped me with the skills and confidence to take on the professional world. I'm proud to be a part of this college's legacy and would highly recommend it to anyone looking for a supportive and stimulating academic environment.

Ms. Nirja Patel | Technical Lead, Qatar Airways

My academic journey at GLS University (FCAIT) has been a defining chapter in my life. The institution provided me with not only strong foundation of knowledge but also the discipline, values, and skills required to excel in my professional career. The rigorous training, guidance from distinguished faculty, and exposure to diverse learning opportunities moulded me into a confident individual prepared to meet the challenges of the real world. The emphasis on both academic excellence and holistic development ensured that I was well-equipped to take on responsibilities with competence and integrity.

The position I hold today is a direct result of the nurturing environment and comprehensive education received through my journey. I remain deeply grateful to my institute for shaping my career and for instilling in me the principles that continue to guide my professional journey.



FACULTY OF INTERNATIONAL AND LIBERAL STUDIES

GLOBAL PROGRAMMES

The Global Programme is a program designed to help students prepare for undergraduate or graduate studies at universities in the worldwide. The program is offered by several Foreign Universities and colleges and aim to provide students with the necessary skills and knowledge to succeed in their academic studies.

Upon successful completion of the Global Programme, students are typically guaranteed admission to the foreign university's undergraduate or graduate programs, provided they meet the academic and language requirements. This can be a great option for students who may not meet the university's admission requirements on their own, but who are otherwise qualified and motivated to succeed in their academic studies.



UNIVERSITY OF TECHNOLOGY SYDNEY



LEEDS BECKETT UNIVERSITY

Seneca POLYTECHNIC



Global Bachelors Programme

Year	Awarded Degree	Place to Study
1 st	Bachelor in Business/ International Business or Bachelor in IT/ Computer Science from UTS College, Sydney	GLS University, Ahmedabad, India
2 nd & 3 rd	LBU, UK Seneca Polytechnic, Canada GLS University	UTS, Sydney, Australia or LBU, UK Seneca Polytechnic, Canada or GLS University, India

Global B.Design (Hons.) in Collaboration with SAE, Australia

The Bachelor of Design (B. Des. Hons.) at GLS University, Ahmedabad is a globally benchmarked four-year undergraduate programme, run exclusively by GLS University with academic content and certification support from SAE Institute, Australia – a world leader in creative media education.

INTERNATIONAL COLLABORATIONS



EXCLUSIVE ACCOMMODATION ARRANGEMENTS FOR GLS UNIVERSITY

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* GLS University has collaborated with The Hive Hostel & Cirkle Hostel for hostel facilities where hostel is not managed and owned by GLS University

RED HAT ACADEMY

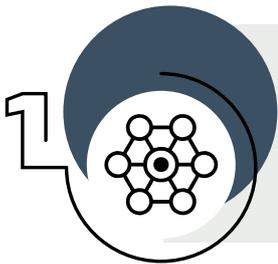


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Bridging the gap between education and industry

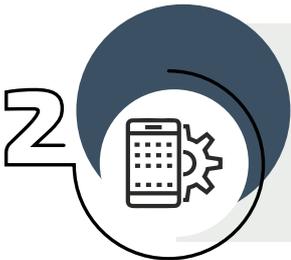
GLS University is excited to present an extraordinary partnership with Red Hat Academy. Red Hat Academy partners with academic institutions around the world to provide the next generation of IT talent with free access to a range of Red Hat's training courses and certification exams. By joining GLSU, you gain access to plethora of cost-effective courses.

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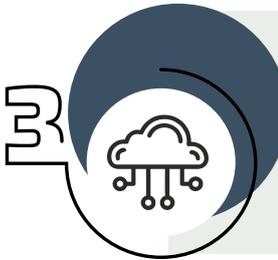
Core system administration

- Red Hat System Administration I (Rh124)
- Red Hat System Administration II (Rh134)
- Red Hat System Administration III: Data Center Services for Red Hat Enterprise Linux 7 (Rh254)
- Red Hat Enterprise Linux Automation with Ansible® (Rh294)



Application development

- Red Hat Application Development I: Programming in Java™ EE (Ad183)
- Python Programming with Red Hat (Ad141)



Cloud computing

- Red Hat OpenStack Administration I: Core Operations for Domain Operators (CII10)
- Red Hat OpenShift I: Containers & Kubernetes (Do180)
- Introduction to OpenShift Applications (Do101)
- Red Hat Enterprise Linux OpenShift Development I: Introduction to Containers with Podman (Do188) Enterprise Linux Automation with Ansible® (Rh294)

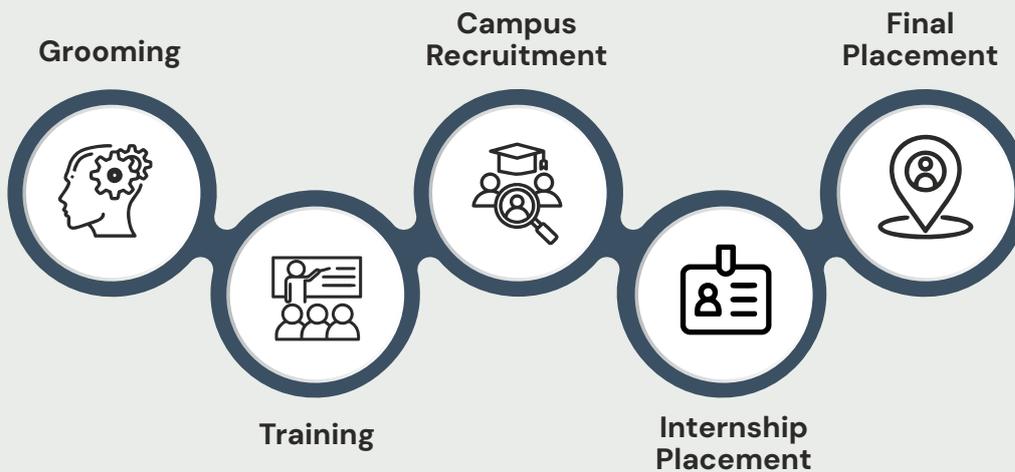


PLACEMENTS @ FCAIT

Placements play a crucial role for FCAIT students, serving as a significant milestone in their academic and professional journey. The placement process provides organizations with an opportunity to visit the institute and witness the commitment invested in shaping future computer science professionals.

At our institute, placements are a collaborative effort. The Placement Committee, comprising the Head, Placement Coordinator, and faculty members, works closely with students at every stage—from conceptualizing and designing recruitment brochures to inviting companies for campus recruitment.

The Placement Cell at FCAIT equips students with essential skills through comprehensive training in the following areas:





Placements exceeding 90% over the years

75+ IT Companies visited campus last year



A GLIMPSE OF SOME RECRUITERS





Faculty of Computer Applications and Information Technology

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