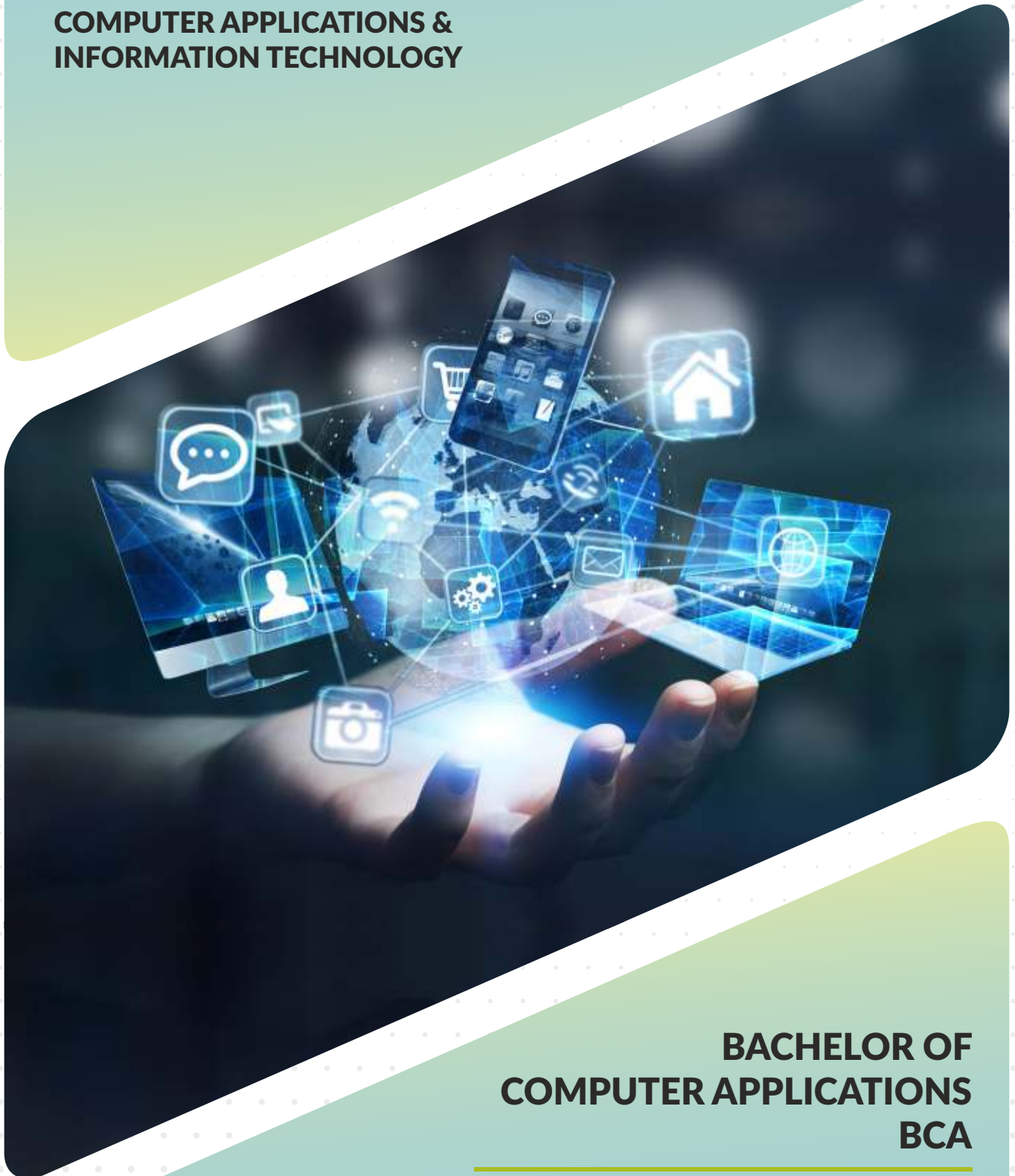


**FACULTY OF
COMPUTER APPLICATIONS &
INFORMATION TECHNOLOGY**



**BACHELOR OF
COMPUTER APPLICATIONS
BCA**

PIONEER IN COMPUTER SCIENCE EDUCATION

ABOUT GLS UNIVERSITY

The zenith value of GLS University is to provide an ideal and innovative learning environment and continue the tradition of excellence in the education of the sponsoring body of the University, viz... Gujarat Law Society (GLS). GLS established in the year 1927, is one of the largest and oldest educational institutions in the state of Gujarat. GLS was promoted by luminaries Sardar Vallabhbhai Patel, Shri Ganesh Mavlankar, the first Speaker of the country, and Shri I. M. Nanavati with the vision of Excellence in Education. GLS University was established in April 2015 under Gujarat Private University Act-2009. In a short span, GLS University has become a Prestigious University with 15,000+ students 10+ departments, and 30+ programs in diverse disciplines like Business Management, Design, Law, Computer Application, Engineering, Commerce, Performing Arts, and Research at Undergraduate and Post Graduated levels which provides enhanced learning experiences through their excellent academic quality, well-equipped infrastructure, innovative teaching methods, creative curricular design, experienced faculty, and industry-oriented programs.

GLS University is a modern organization that retains the cultural & heritage values of providing a creative learning environment in a manner that is nationally entrenched, regionally recognized, and globally relevant. GLS University is a safe and inviting space with student-centric infrastructure located in the heart of Ahmedabad. Within the lush green campus of the University, students avail all the facilities of learning and recreation such as modern classrooms, computer labs, library, indoor and outdoor sports areas, gym, seminar halls, auditorium, canteen, and so on.

With its heritage in Gujarat's pioneering education field, GLS University has been an innovative force in education for many years. Our strong relationships with industry and impeccable career services complement high-quality teaching to ensure GLS students gain the knowledge and skills they need to match their ambition. Our academicians are experts in their fields and driven to deliver research that makes a meaningful social and environmental impact on the nation.

GLS University is also known as an education hub with liberal thoughts and rigorous learning along with policy from NEP - 2020. We offer flexible entry-exit options in relevant programs and also a dual degree program to accelerate the multi-discipline approach for students. GLS University also aligns with an industry-oriented curriculum and offers an industry apprenticeship program through various corporate collaborations which leads the university to focus on experiential learning.

Our new strategic plan is supported by three key pillars which provide a foundation for GLS University to focus on and expands over the next 10 years through meeting societal needs; expanding GLS University's global presence; and promoting skill-based education.

GLS University offers students a high-quality educational experience that prepares them for success in life, as well as research that addresses society's most persistent challenges. Our creation and transfer of knowledge contribute every day to our country's global competitive advantage and make the world a better place.



FROM PRESIDENT'S DESK



Dear Prospective Students,

Delighted to extend a warm welcome to you as you contemplate becoming a part of our vibrant academic community here at GLS University. As President, it is a matter of pride to lead an institution devoted to nurturing intellectual curiosity, personal development, and a dedication to excellence.

Selecting the right university is an important decision, and I want to assure you that GLS University is dedicated to providing an outstanding educational experience that will equip you for success in your future endeavours.

At GLS University, you will encounter a diverse and inclusive community of scholars, researchers, and students who are deeply passionate about effecting positive change in the world. Our faculty members are esteemed experts in their respective fields, and they are committed to assisting you in your academic and personal growth every step of the way. Whether your interests lie in the arts, sciences, business, or any other discipline, GLS University offers a broad spectrum of programs and opportunities for you to explore your passions. From leading-edge research to hands-on experiential learning, you will have access to resources and experiences that will empower you to realize your full potential.

In addition to academics, GLS University boasts a vibrant campus life with a plethora of extracurricular activities, clubs, and organizations to facilitate connections with peers who share your interests and values. From community service to cultural events and athletic competitions, there are boundless opportunities for you to engage and make meaningful contributions to our campus and beyond.

As you embark on this thrilling journey of higher education, I encourage you to discover all that GLS University has to offer. Take a tour of our campus, engage with faculty and students, and envision yourself as an integral part of our dynamic community. I am confident that you will find GLS University to be a place where you can flourish, excel, and forge enduring memories that will shape your future.

Thank you for considering GLS University for your academic aspirations. I eagerly anticipate welcoming you to our campus and providing support as you pursue your path to success.


Warm regards,
Sudhir Nanavati
President

FCAIT


FACULTY OF COMPUTER APPLICATIONS & INFORMATION TECHNOLOGY

FCAIT is known for achieving excellence by inculcating educational, social, and ethical values in students for their holistic upliftment. The institute enhances comprehensive growth of students by exposing them to latest technological developments and making them aware of the current trends of the field. Imparting outcome based education is the prime motto of the institute. The institute provides enormous opportunities to the students and equips them with the skills, opportunities, and knowledge that hold significance for life-long learning and accolades. The focus of the institute is to motivate students acquiring domain expertise and life skills to sustain life outside the periphery of the classroom.

OUR MILESTONES, YEAR-AFTER-YEAR



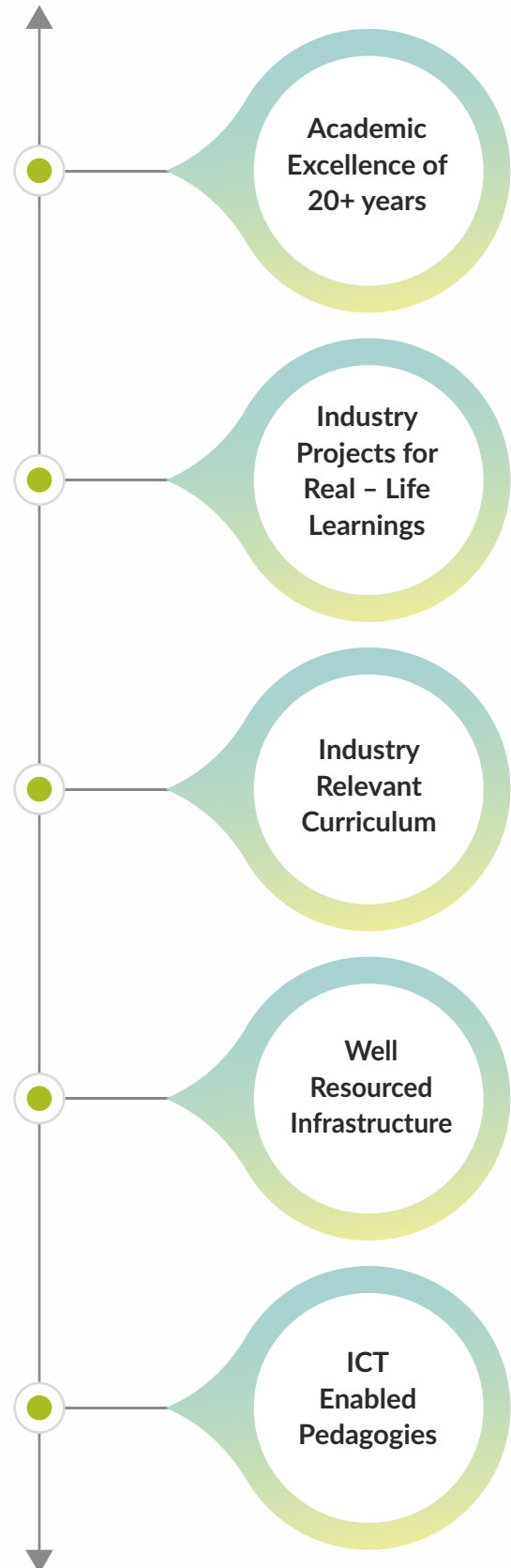
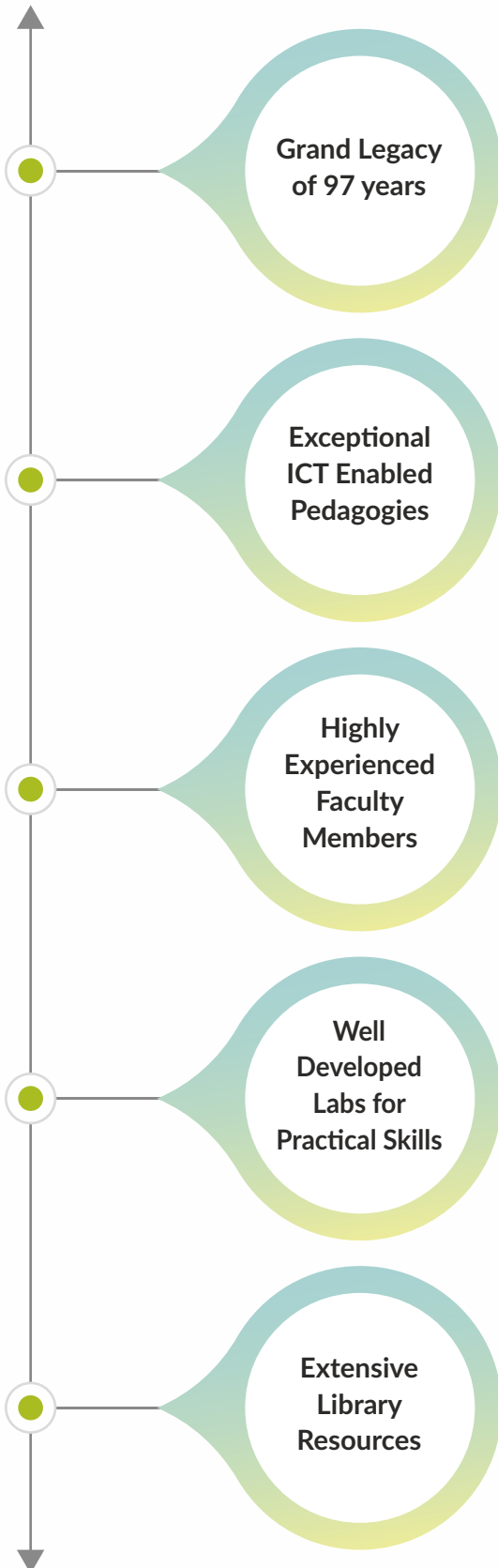
Ranked **1st** for Academic Excellence in Gujarat in the All India Survey by **India Today**



Ranked amongst **Top 50** BCA Colleges of India in the All India Survey by **India Today**, **Outlook India & OPEN Magazine**



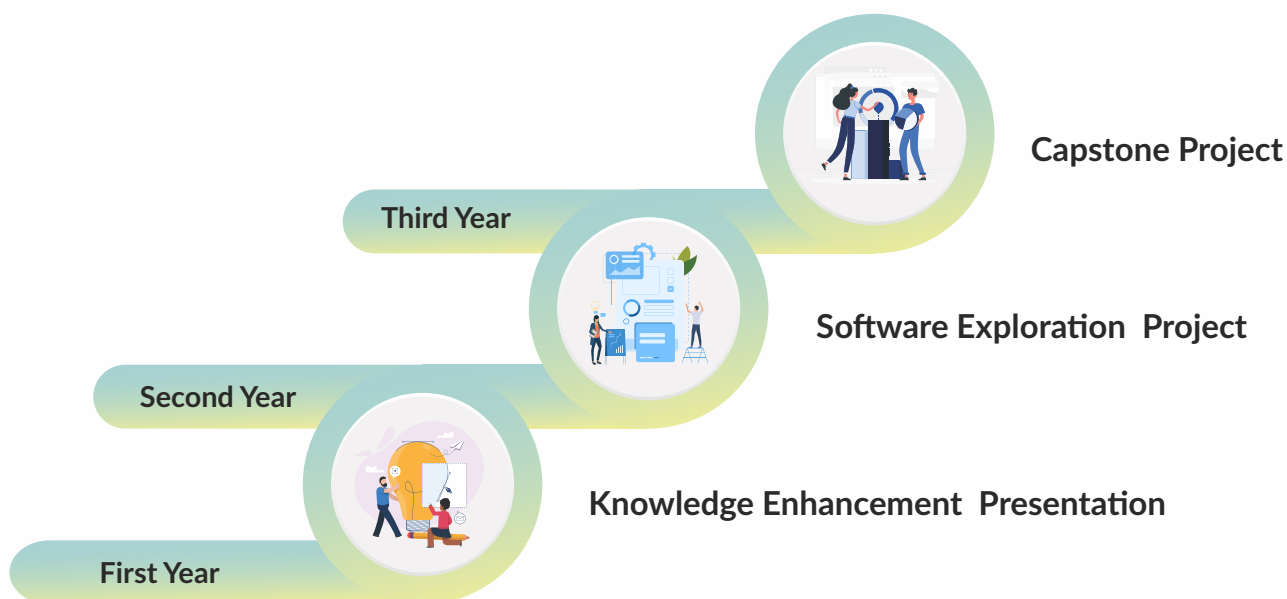
OUTSTANDING MERITS



BCA

BACHELOR OF COMPUTER APPLICATIONS

Bachelor of Computer Applications – BCA Course is 3 years (6 semesters) Under Graduate Programme custom-made for students who are enthusiastic about the field of Computer Science and Applications. The curriculum is specially designed to cater to the need of the hour implementing NEP 2020. The Programme offers a rich and comprehensive syllabus where students get exposure to various areas of computer applications including recent industry trends. The holistic approach of the syllabi makes the students market-ready by amalgamating the theoretical and practical knowledge of the subject. The course is an instructional package developed to suit the needs of students to keep pace with the developments in higher education and the quality assurance expected of it in light of liberalization and globalization in higher education.



SEM 1

- 1
- Logic Development & Programming
 - Computer Fundamentals & Information Technology
 - Introduction to HTML5, CSS & Javascript
 - Mathematics for Computer Science-I
 - Publishing & Multimedia Tools
 - Ability Enhancement Course - 1
 - Value Added Course - 1

SEM 2

- 2
- Introduction to Object Oriented Programming
 - Computer Organisation & Advanced Microprocessors
 - Database Management System - I
 - Mathematics for Computer Science-II
 - Shell Scripting
 - Ability Enhancement Course - 2
 - Value Added Course - 2
-

SEM 3

3

- Core Java
- Database Management System-II
- Fundamentals of Operating Systems
- Statistics for Data Analysis
- Introduction to Embedded Systems
- Ability Enhancement Course - 3
- Value Added Course - 3

SEM 4

4

- Advanced Java
- Data Structures
- Data Communication & Networks
- Object Oriented Analysis & Design
- Relational Database Systems
- Ability Enhancement Course - 4
- Value Added Course - 4

SEM 5

5

- Website Development using PHP & MySQL
- Introduction to XML
- Software Engineering
- Introduction to Artificial Intelligence
- Cross Platform Mobile Application Development
- Information Security
- Any one
 - Introduction to Data Analytics
 - Introduction to Web Services
 - Management Information System

SEM 6

6

- Introduction to Python
- Machine Learning
- Introduction to Cloud Computing
- Website Frameworks
- Capstone Project
- Ability Enhancement Course - 5

Ability Enhancement Courses

- Communication Skills
- Emerging Technologies
- Creative Writing
- Operation Research
- Personality Development Skills
- Stories from English Literature
- Workplace Communication
- Augmented Reality/Virtual Reality
- Learning Values through Literature
- Technical & Professional Communication

Value Added Courses

- Gandhian Thoughts
- Gujarat: Culture & Tradition
- Introduction to IKS
- Lessons from Indian Leaders
- Environmental Studies
- Financial Education & Investment Awareness
- History of Computing
- Indian Constitution
- E-Governance & E-Commerce
- Green Computing
- Principles of Management
- IT in Health Care
- Digital Marketing
- Startup & Entrepreneurship Development



FUTURE OPPORTUNITIES



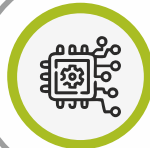
Data Scientist



Database Administrator



AI & ML Engineer



Information Systems Manager



Data Analyst



Computer Programmer



Web Designer



Full Stack Developer



Business Intelligence Developer



System Analyst



Network Architect



Software Engineer

ALUMNI SPEAKS



GLS offers students a completely relevant atmosphere for the IT industry. Whenever you are stuck, faculties are always there with friendly & supportive nature. They encouraged me to take part in hackathons and other similar events. GLS provides timely insights and an overview of trending and evolving IT technologies.

Bhavya Shah
AX Technical Consultant, Synoptek



GLS University provided me with such a great platform from which I was not only able to explore my field of interest but also developed many other soft skills & identified my hidden talent. Whenever I had any doubts or confusion, then our faculties were always there for help and support. Apart from study, we were also encouraged to participate in various extracurricular activities like CyberShadez, Hackathon, various webinars-workshops, sports events and many more. Participating in all these activities, we had fun, joy and also learnt during our journey.

Preshita Joshi
Application Developer, Dynatech Systems Pvt. Ltd



My experience at GLS University has been fantastic. The curriculum is well-structured and up-to-date, and the faculty members are knowledgeable and approachable. They go out of their way to help students, making us understand difficult concepts and address any doubts or concerns. Overall, I highly recommend GLS University to anyone looking for a supportive and enriching learning environment.

Harsh Shah
Software Developer, Ciencias In VR Pvt. Ltd.



For me as a student, GLS was all about the 3G's (Goals, Grooming, Goodness). The Institute in the last five years has not only helped me in achieving my goals but also in grooming myself into a better person. The goodness of all the professors has made me explore new horizons and generate new ideas which made it an unforgettable experience.

Priyank Vyas
Django Developer, Tecblic Pvt Ltd.



GLS has been truly a career shaping part of my life. All the support that I sought was provided to me by the very supportive faculties and I could also get the exposure of new tools and technologies demanded by the market. Such nurturing helped to achieve my career goals.

Niyomi Rabdu
Programmer Analyst (QA & E), Cognizant



Transitioning from being a student to stepping into the corporate world can feel pretty overwhelming. However, my time at GLS University gave me the confidence to embrace this challenge. The programs there really honed my technical skills, and the whole vibe at the university just pushed me to grow personally as well. Fast forward to today, and here I am, excelling as a Junior Software Engineer and I credit GLS and its amazing professors for shaping me into the competent professional I am today.

Harshita Balani
Software Engineer, Growexx Solutions

PROFESSIONAL ENRICHMENT

**Accentuating
Scientific Aptitude**

**Enhancing
Practical Skilsets**

**Making Students
Industry - Ready**

**Competency
Building for career
Enhancement**

**Forstoring the
Innate Capabilities**

**Inculcating Moral
& Ethical Values**

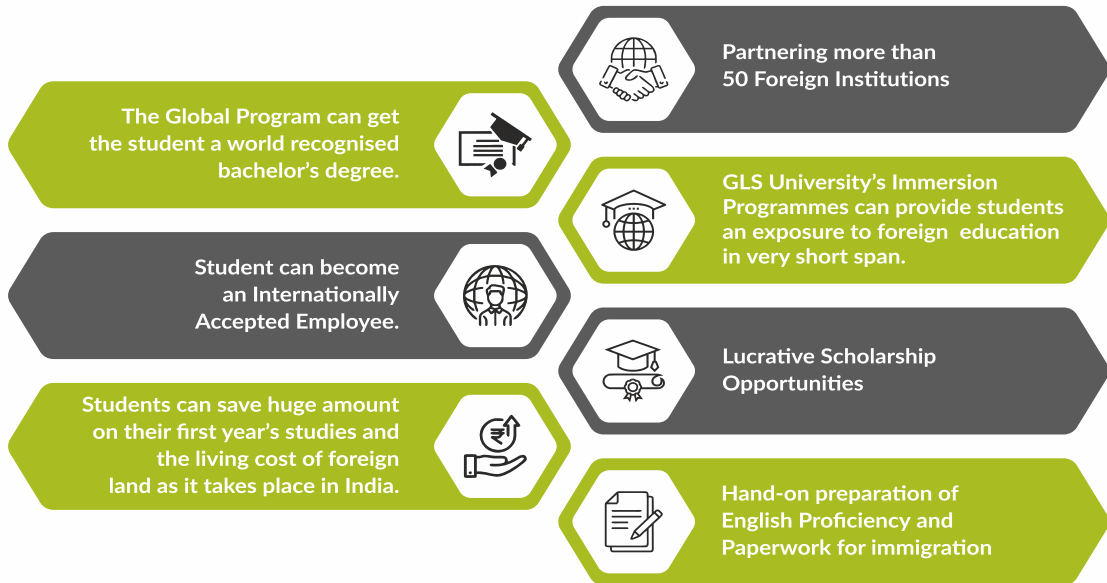
**Enhancing Skills in
Multi-Disciplinary
Domains**

**Project
Based Learning**

SCHOOL OF INTERNATIONAL 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



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 GLS University	UTS, Sydney, Australia or LBU, UK or GLS University, India

INTERNATIONAL COLLABORATIONS

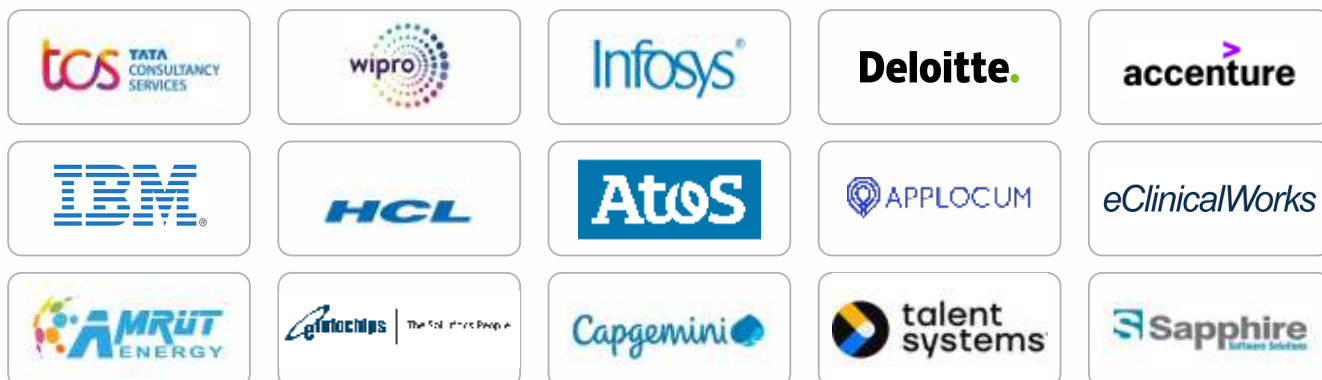


LIFE @ CAMPUS



INTERNSHIPS & PLACEMENTS

The Placement Cell organizes, supports and supervises campus recruitments and selection process for students. Students are trained in essential placement related skills throughout the year such as resume building, interview preparation and group discussion. The cell provides the students with mentorship for career support and 100% assistance in acquiring internships and placements.



RED HAT ACADEMY

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.



Red Hat Academy certification offerings

01	Core system administration
	<ul style="list-style-type: none"> 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)
02	Application development
	<ul style="list-style-type: none"> Red Hat Application Development I: Programming in Java™ EE (Ad183) Python Programming with Red Hat (Ad141)
03	Cloud computing
	<ul style="list-style-type: none"> Red Hat OpenStack Administration I: Core Operations for Domain Operators (CI110) 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)

ACCOMMODATION AND EXTENDED FACILITY

At The Hive Hostels, in partnership with GLS University, we take immense pride in offering students an unparalleled standard of accommodation and extended facilities. Our collaborative effort aims to provide students with a holistic living experience that not only meets but exceeds their expectations.



Nestled at the intersection of comfort and convenience, The Hive Hostels is more than just a place to stay – it's a thriving community where students can thrive academically and socially. Our partnership with GLS University underscores our shared commitment to fostering an environment where students feel supported and inspired

From meticulously prepared meals to attentive housekeeping services, every aspect of our accommodations is designed to enhance the student living experience. With spacious rooms, modern amenities, and a range of services tailored to meet the diverse needs of our residents, The Hive Hostels is where students can truly feel at home while pursuing their academic aspirations.



Four Freshly Cooked Meals



Professional Housekeeping



College Pickup and Drop



Community Events



Spacious Rooms



Laundry Service



Bicycle on Demand



24*7 Tea Coffee Machine



CCTV Surveillance



WiFi



Dedicated support Staff



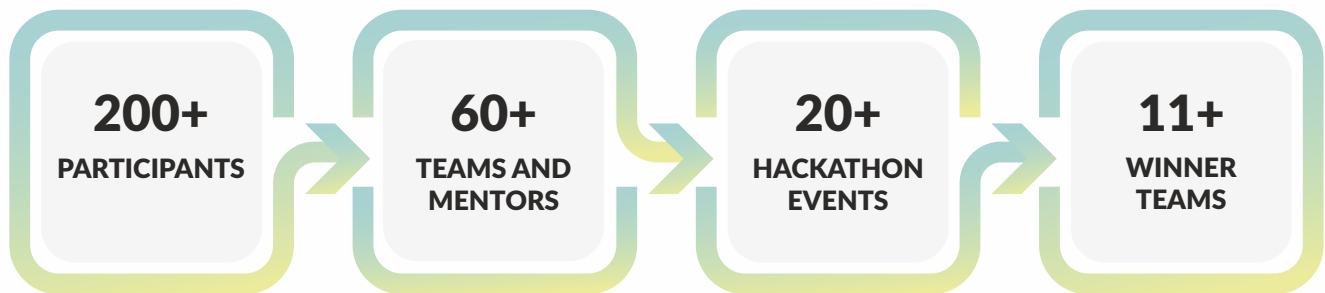
Doctor on call

Contact us today to learn more about our accommodation options and how we can enhance the student living experience at GLS University.

Contact us :
1800-572-0709 (Toll free)
9414830190 / 9662401424 / 9998365202

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

EXPLORE, CODE, INNOVATE @ HACKATHON



Hackathon is a pioneering series of competitions held at International, National and Regional levels to promote and leverage the technical skills of the students. Students of FCAIT have proposed various “Out of the Box” solutions for multidisciplinary fields of Social Relevance like Indoor Mapping and Navigation, Appointment Management for Government Officers, IoT Based Notice Board, Vehicle Monitoring System with Anti-Theft and Security, SMART Transportation and Pollution Control. Our students represented the institute in various events like The e-Yantra Hackathon organized by IIT Bombay, KAVACH-2023 Cybersecurity Hackathon, SSIP Hackathon and many more.

SMART SOLUTIONS FOR A BETTER TOMORROW !!!

The institute encourages students to explore new possibilities in incipient technologies and provides a platform to engrave engineering and industry skills. Students experiment and develop various IoT based projects on a Single Board Computer - Raspberry Pi, and Microcontrollers - Arduino, Photon Particle, and Node MCU through live models such as Smart Gloves Gesture Vocalizer, Smart Glass for the Blind, Digital Menu Ordering Model, Smart Traffic Controller, Smart Pet Feeder, Bipad Robot, Magic Mirror, ChessMate, Dam Overflow Monitoring System, Indoor Navigation System, Smart Trolley, and many more.



CAMPUS RESOURCES



ELIGIBILITY CRITERIA

- The applicant must have passed the Gujarat Higher Secondary Education Board (GHSEB) / Central Board of Secondary Examination (CBSE)/ Indian Council of Secondary Examination (ICSE) or its equivalent under the 10 + 2 pattern in the Commerce or Science stream, during the current year with the following subjects:
 - 1) English
 - 2) Any one of the following:
 - Mathematics ▪ Physics ▪ Statistics ▪ Business Mathematics ▪ Elements of Accountancy ▪ Elements of Book Keeping ▪ Computers
- The applicant must have obtained the following minimum aggregate marks (i.e., total marks obtained divided by the maximum total marks admissible, including marks of all subjects, theory and practical):
 - For open category candidates: 45%
 - For reserved category candidates: 40%
- First Attempt Certificate is mandatory.



UNIVERSITY

UNIVERSITY



Faculty of Computer Applications & Information Technology Bachelor of Computer Applications

📍 GLS University Campus, Ellisbridge, Ahmedabad – 380006.

☎ 9904086377, 8866106226

🌐 www.glsuniversity.ac.in | www.glsufcait.org

✉ admissions@glsica.org

📘 Glsu Fcait 📷 Glsu Fcait 📺 GLSU FCAIT

