ELIGIBILITY
CRITERIA

- Passed 10+2 examination with Physics / Mathematics / Chemistry / Computer Science / Electronics / Information Technology / Biology / Informatics Practices / Biotechnology / Technical Vocational subject / Agriculture / Engineering Graphics / Business Studies / Entrepreneurship. *(Any of the three- As per the norms of GoG)

- Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together.

  OR

- Passed min. 3 years Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) subject to vacancies in the First Year, in case the vacancies at lateral entry are exhausted.

- Student should have appeared in GUJCET/JEE

ADMISSION
PROCEDURE

- As decided by ADMISSION COMMITTEE FOR PROFESSIONAL COURSES [ACPC] GUJARAT STATE.

- Provision of 50% Management Quota seats as per the rules & regulations.

- The allocation for the seats of reserved categories will be as per the rules of the GLS University and State Government of Gujarat prevailing at the time of admissions.

- For more details please visit: www.jacpcldce.ac.in

GLS UNIVERSITY
Promoted By Gujarat Law Society Since 1927

For Further Information Contact
Faculty of Engineering & Technology

GLS Campus, Opp Law Garden, Ellisbridge, Ahmedabad - 380006
Phone : +91 9825191506, +91 9409583791, +91 079 26447636
Mail At : btech@glsuniversity.ac.in | Website: www.glsuniversity.ac.in

Follow us : https://www.facebook.com/glsubtechcse   https://instagram.com/glsbtech

GLS UNIVERSITY
Promoted By Gujarat Law Society Since 1927

FOUR YEARS GRADUATION
B.TECH
(CS&E)

FACULTY OF ENGINEERING & TECHNOLOGY

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 20+ 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 THE
PRESIDENT'S DESK

Dear Prospective Students,

Greetings from GLS University!!!!

We are a dynamic university established in 2015 and uniquely located in the heart of Ahmedabad. Our goals are to pursue high levels of excellence, promote innovation and nurture creativity to improve people's lives. In a city where East meets West, our vision is to become globally recognized for professional education, one that emphasizes the mutual enrichment of different cultures and intellectual traditions, and for research that makes a real difference.

In keeping with this vision, since its inception in 1927, Gujarat Law Society the sponsoring body of GLS University has distinguished itself by its excellent academic program delivery, faculty acquaintance, Corporate Partners, Global Strategic Alliances, and Visionary Leaders. Our alumni are making significant contributions across sectors and around the world and thousands of professionals opted for their education at our university.

As a globally acclaimed university, we emphasize diversity, intercultural learning, and a global vision. Our distinguished faculty are recruited from all over the nation. We have established an excellent international network of academic collaborations and developed our curriculum in collaboration with numerous international education institutes.

We have built world-class amenities and facilities for all the University's stakeholders, providing an adequate environment for innovative learning experiences and space for originality. GLS University always believes in revolutionizing its infrastructure as per the requirement of time in this innovative ecosystem of education.

GLS University is a pioneer in its focus on providing education at par with the best in the world. We aim to help students become well-rounded individuals who can think significantly about issues from multiple points of view, communicate effectively, and become leaders with a commitment to public service.

GLS University's education strongly emphasizes foundational knowledge, thorough academic research based on rigorous pedagogy, innovative curriculum, and hands-on experience with real-world challenges. It prepares students to be ethical leaders in a diverse and complex world. We know the industry requirement regarding skills and the ability to groom the student by focusing on the Intelligence quotient, Emotional quotient, Analytical quotient, & Creative quotient.

GLS University follows the National Education Policy (NEP) 2020, which aims to make the education system holistic, flexible, multidisciplinary, and aligned to the needs of the 21st century and works towards the 2030 Sustainable Development Goals. The intent of policy seems to be ideal in many ways, but it is the implementation that lies the key to success.

Our vision for the next decade is to provide a holistic environment in terms of infrastructure, faculty, learning & development environment, research orientation, innovation capability, and international outreach to the students which will ensure their overall grooming and development enabling them to compete in national as well as international scenarios.

Sudhir Nanavati
President

B.TECH (CS & E)
PROGRAMME

B.Tech (CS & E) is not just another four-year degree. It's a journey and an opportunity to lead you to exciting opportunities. The B.Tech experience as mentioned by students across globe has been nothing short of remarkable for them. The students have had fun exploring new things, learning, helping, and mentoring many people.

B.Tech (CS & E), is a four-year undergraduate academic degree program in computer science. As a computer scientist, you would be expected to apply your knowledge in building apps for smartphones, designing robots and solving computational puzzles. It is a course intended for young and curious minds to seek proficiency in understanding and analyzing various real-time engineering issues and proposing computational solutions using various scientific techniques.

The curriculum comprises a wide spectrum of concepts namely computer programming, cryptography & information security, artificial intelligence and machine learning, unstructured databases, embedded systems, Data Analytics and many more.

B.Tech (CS & E) comprises a total of 8 semesters summing to four year duration. The first six semesters focus on conceptual and practical aspects of engineering and computer science. The last two semesters focus on domain specialization and working on Industrial projects. The practical based curriculum and domain specialization provides the graduates a vast scope of getting employed in private IT sector as well as Government sector in positions like Fullstack Developer, Web Designer and Developer, Game Developer, Quality Analyst/Tester, Blockchain Developer, AI/ML Engineers, Data Scientist / Data Analyst, Academician, Software Engineer, Software Architect etc.

GLS University offers B. Tech (CS & E) with specialization in the field of Data Analytics, Cyber Security and Artificial Intelligence & Machine Learning.

CAREER
PROSPECTS

- Computer Scientist
- Web Developer
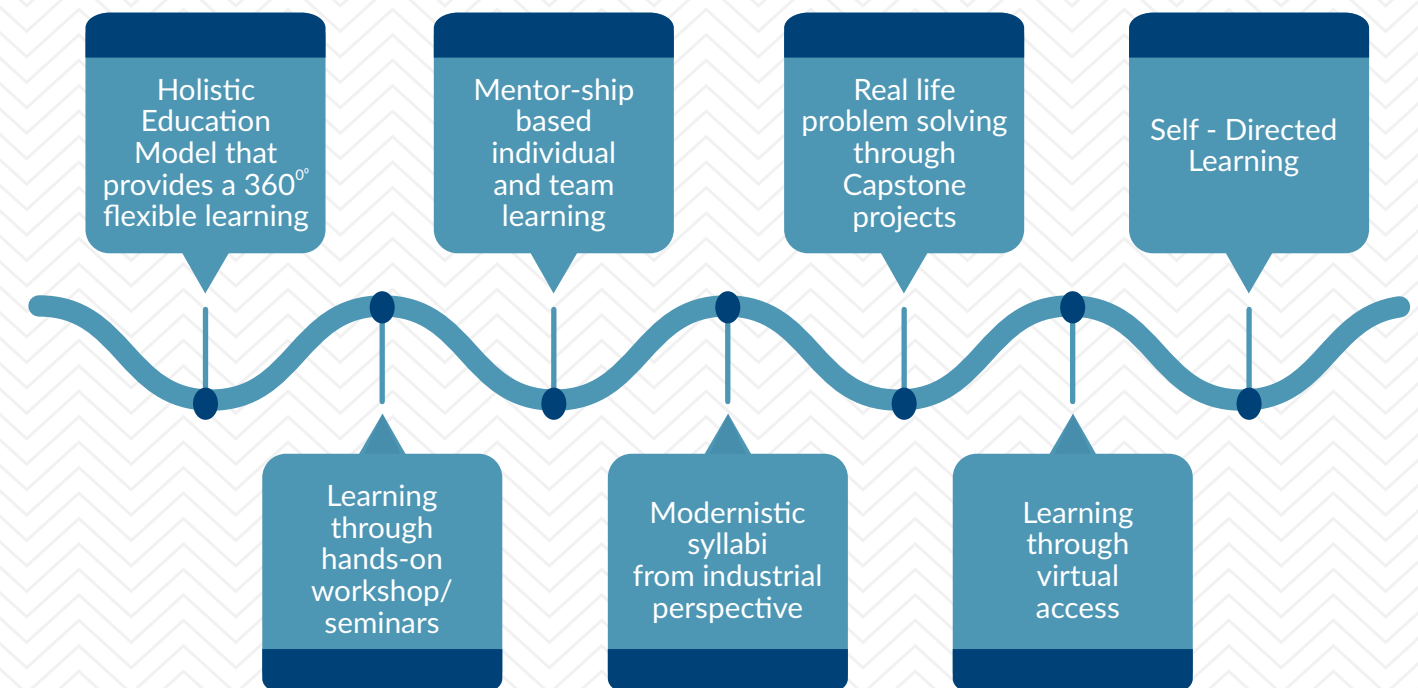- Data Analyst
- Web Designer
- Data Engineer
- Software Developer
- Business Analyst
- Business Intelligence Analyst
- Data Architect
- Computer Programmer

STRIKING
FEATURES

96 years of rich legacy of Gujarat Law Society

21 years of experience and expertise in IT education.

20+ Foreign University collaboration under International Immersion programme.

4 years programme designed to offer in-depth knowledge into computer science and engineering.

Specialization in 3 trending domains of IT sector: **Data Analytics, Cyber Security, Artificial Intelligence & Machine Learning.**

Associations with more than **100+ reputed IT companies.**

Programme designed using Open **Source Technologies** as a delivery platform

Student centric **learning pedagogy** systems

Faculty team comprising of Academicians, **IT managers** and **consultants**

Real life problem solving using Capstone Project **spread across 2 semesters**

4 months full time Industry Internship in upcoming technologies of computer science and engineering

A university with **high rate** and **excellent** student support.

University located in the **center** of Ahmedabad

CURRICULUM LAYOUT

6 Basic Sciences	
3 Humanities and Social Sciences	
6 Engineering Sciences	
31 Professional Subjects - Core	
6 Professional Subjects - Electives	
3 Specialization Track	
2 Capstone Project	
1 Industry Internship	
2 MOOC	

Semester – I

- Business Communication and Presentation Skills
- Elementary Mathematics for Engineers
- Environmental Studies
- Computer Programming Paradigm
- Computer Programming Laboratory
- Computer Organization & Design
- Practicals of Computer Organization & Design
- Open Source Software

Semester – II

- Elements of Indian History for Engineers
- Linear Algebra
- Universal Human Values and Value Education
- Data Structures
- Programming of Data Structures
- Relational Database Management System
- Programming of Relational Database Management System
- Computer Networks

Semester – III

- Economics for Engineers
- Discrete Mathematics
- Technical English
- Object Oriented Computer Programming
- Practicals of Object Oriented Computer Programming
- Operating Systems
- Linux Scripting
- Design and Analysis of Algorithms
- MOOC1 – Core Java

Semester – IV

- Differential Equations and Multivariate Calculus
- Formal Languages & Automation Theory
- Software Engineering
- Scripting Languages
- Practicals using Scripting Languages
- Advanced Java
- Programming in Advanced Java
- Cryptography & Information Security

Semester – V

- Probability and Statistics
- Compiler Design
- Object Oriented Analysis and Design
- Artificial Intelligence and Machine Learning
- Practicals of Artificial Intelligence and Machine Learning
- Mobile Computing
- Practicals of Mobile Computing
- Capstone Project I
- MOOC2 – Core Python

Semester – VI

- Numerical Methods
- Computer Graphics and Visualization
- Cloud Computing and Virtualization
- Software Testing
- Practicals of Software Testing
- Unstructured Databases and Data Mining
- Practicals of Unstructured Databases and Data Mining
- Capstone Project II

Semester – VII

In this semester the student will be offered 2 compulsory subjects and 6 subjects based on the track chosen by him/her:
- Embedded Computing Systems
- Practicals of Embedded Computing Systems

- Track # Subject 1
- Track # Subject 2
- Track # Subject 3
- Track # Subject 4
- Track # Practical 1
- Track # Practical 2

Semester – VIII

- Industry Internship

Semester – VII Elective Track Subjects

Data Analytics

- Deep Learning
- Business Intelligence and Analytics
- Big Data Analytics
- Time Series Analysis and Forecasting
- Big Data Analytics using Hadoop (Practical)
- Python for Data Science (Practical)

Cyber Security

- Cyber Laws
- Digital Forensics
- Ethical Hacking
- Intrusion Detection and Internet Security
- Working with Network Analysis Tools (Practical)
- Vulnerability Testing (Practical)

Artificial Intelligeance and Machine Learning

- Deep Learning
- Knowledge Engineering and Intelligent Systems
- Big Data Analytics
- Time Series Analysis and Forecasting
- Big Data Analytics using Hadoop (Practical)
- Python for Data Science (Practical)

INNOVATIVE PEDAGOGY

- Holistic Education Model that provides a 360° flexible learning
- Mentor-ship based individual and team learning
- Real life problem solving through Capstone projects
- Self - Directed Learning
- Learning through hands-on workshop/ seminars
- Modernistic syllabi from industrial perspective
- Learning through virtual access

CAREER CENTRIC ACTIVITIES

- Logic Building
- Mock Interviews
- Entrepreneurship encouraging projects
- Per Diem Online Aptitude and Technical Quiz
- Soft Skills Workshops
- Grooming Industrial Etiquettes
- Resume Building
- Pre-placement Sessions

Art and Culture

GLS University firmly believes in promoting arts and culture to preserve the country's rich heritage and motivate the students to recognize its importance. GLS has a rich history of over nine decades of arts and cultural engagement and over the years, this has strengthened.

Students at GLS University celebrate various functions, organize cultural events, talent hunt programmes and annual day functions to uphold the spirit of togetherness. The University has set up various clubs and activity committees which will ensure smooth celebrations of various events at the University premises or outside.

Sports

GLS University organizes Annual Sports meet every year to encourage the students to participate in various sports activities. The Annual Sports meet celebration includes several events like running race, long jump, discuss throw, badminton (singles/doubles), volleyball, football and many more.

Tech Fest

The institute organized National Techfest - CyberShadez 2023 themed on 'Cyber Security'. More than 1100 participants from 90+ institutes and 19 states across India participated in the event.

Social Responsibilities

Students at the campus not only learn but also understand their moral responsibilities towards the society through activities like blood donation camp, cleanliness drive, plant more trees campaign and through various trips to the schools and institutes on the outskirts of the city.

INFRASTRUCTURAL
AMENITIES

- Fully furnished AC classrooms, seminar halls, tutorial rooms and conference rooms with projection systems.

- Well-equipped computer laboratories for hands-on practical sessions based on the curriculum.

- Separate experimental laboratory having Open Source Software, IOT devices available for unscheduled experiments.

- Dedicated multiple high-speed Internet connection of 100.0 Mbps.

- A lab consisting of 60 computers with Mac OS.

- Four labs consisting of 150+ computers with Ubuntu 20.04 LTS OS.

- Residential facilities with fully furnished AC/Non-AC rooms for boys and girls.

- 10,000+ books in Computer Science and Engineering.

- 5000+ ebooks in Computer Science and Engineering.

- 50 journals including open access journals of Computer Science & Engineering and other related subjects.

- An air-conditioned and spacious reading room.

- Campus wide WiFi facility provided through state of art HP Aruba solution.
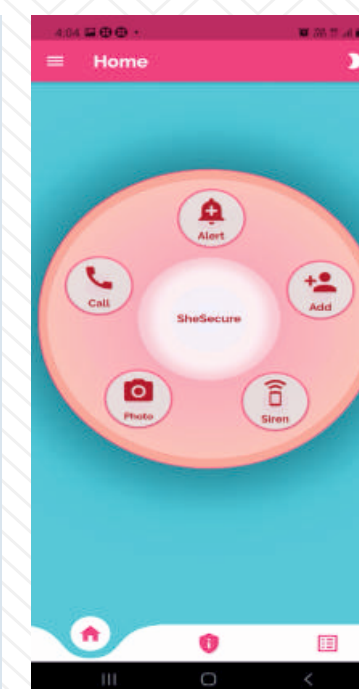

HACKATHON
2022

Hackathon is a platform whereby young students can leverage their technical skills to solve real life challenges posed by various industry experts. NFT based solutions for museums, fake profile identification for social media, speech and language recognition, automated attendance system for anganwadi, designing wearable devices for women safety are some of the real-life issues suggested by the stakeholders across the state. Students participating in the Hackathon work back-to-back for 36 hours to identify the solution to such issues through the development of applications/website/prototype. Students get an opportunity to interact with the experts from the industry.

- Won joint first prize of Rs. 50,000 at the Smart India Hackathon, 2022.

- Won prizes at EthIndia- World's largest Ethereum Hackathon held at Bangalore and at Hackout'22, Gandhinagar.

- Won second prize of Rs. 30,000 in their problem definition NARI(Women safety application) at SSIP 2022
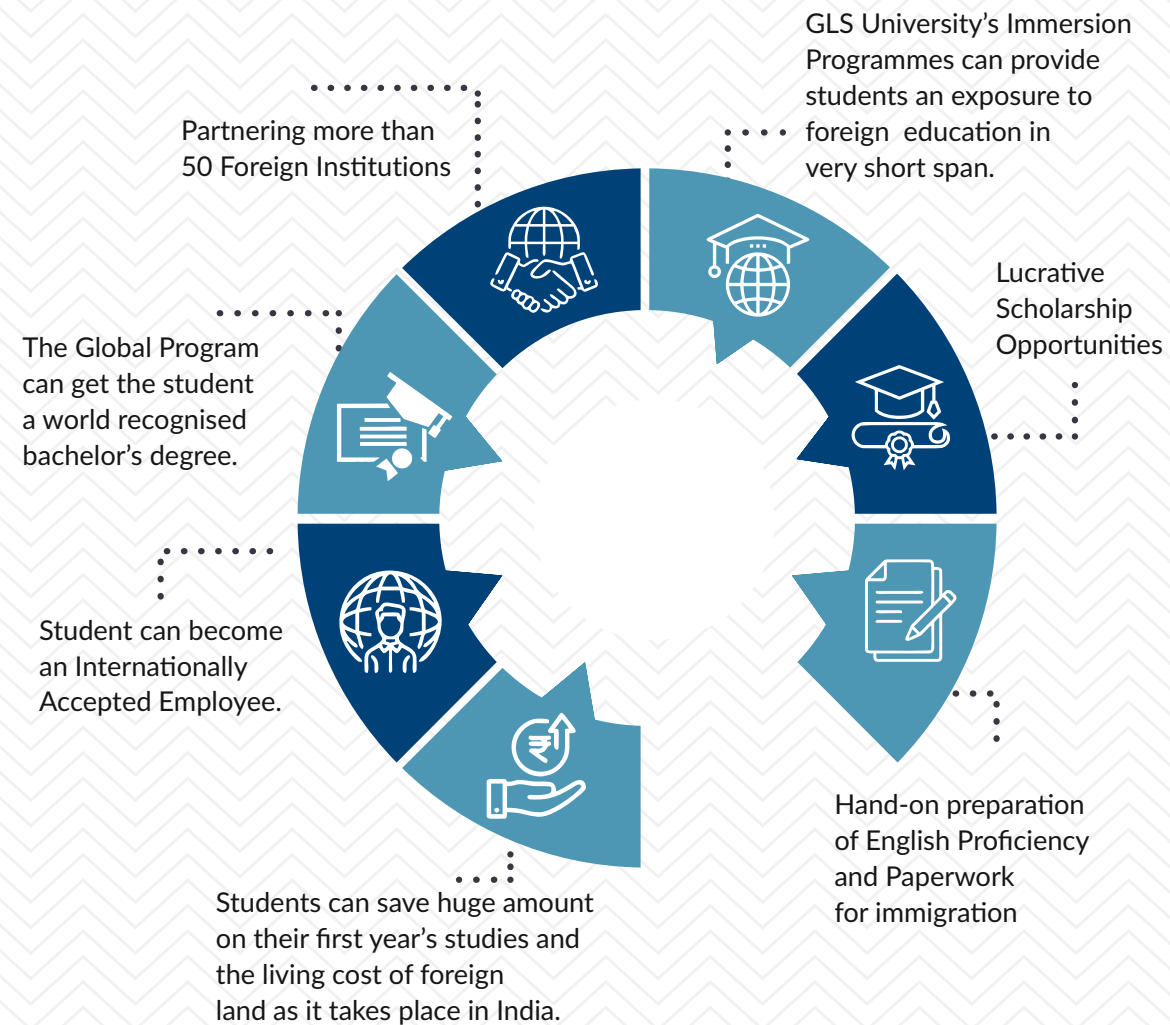

APP
DEVELOPMENT

Our students not only get an in-depth knowledge of various mobile technologies during the course of study but the students learn how to create a user-friendly App and make it live on the play store. The students in co-ordination with the faculty have created several applications in Android and iOS technologies which are live and very much in use. Official MSc (IT) App, Expense Tracker App, Smart Calculator App, She Secure App, Sarathi App, Cyber Shadez App, GLSU Youth Festival App, GLSU Annual Sports Meet, English Gueta App and more are available on Android store. iOS version of our official MSc (IT) App is also available on Apple Store.

SCHOOL OF
INTERNATIONAL STUDIES

GLS University's School of International Studies prepare and nurture the students for the Global Exposure. The department offers various global, pathway, and immersion programmes through our well-established arrangements and relations with other foreign institutions of repute.

Partnering more than 50 Foreign Institutions

GLS University's Immersion Programmes can provide students an exposure to foreign education in very short span.

The Global Program can get the student a world recognised bachelor's degree.

Lucrative Scholarship Opportunities

Student can become an Internationally Accepted Employee.

Hand-on preparation of English Proficiency and Paperwork for immigration

Students can save huge amount on their first year's studies and the living cost of foreign land as it takes place in India.

Contact No: +91-9998552369 | **Email:** international@glsuniversity.ac.in

INTERNATIONAL
COLLABORATIONS

HARVARD BUSINESS SCHOOL | ISDC International Skill Development Corporation | LBU LEEDS BECKETT UNIVERSITY | CBU | IOA Institute of Analytics The Global Body for Analytics | CIMA

ACCA | Curtin University | SYNERGY UNIVERSITY | NEWCASTLE | CITY UNIVERSITY | LUISS BUSINESS SCHOOL

school of continuing studies | YORK U | citiCOLLEGE | CMA | NJCU NEW JERSEY CITY UNIVERSITY | UTS College UNIVERSITY OF TECHNOLOGY SYDNEY

ACCOMMODATION
AND EXTENDED FACILITY

Elevate your student living experience with affordable luxury only at **The Hive Hostels**

At The Hive Hostels, we have curated every space and experience to suit your ever-changing moods and needs!

We strongly believe that your hostel should be a place that enables you to relax, unwind and refuel- so you have the power to win the world!
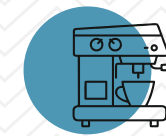
Everything and More - You Just Name It!

Comfy Bed | Study Table | Spacious Cupboard | High-Speed Wi-Fi

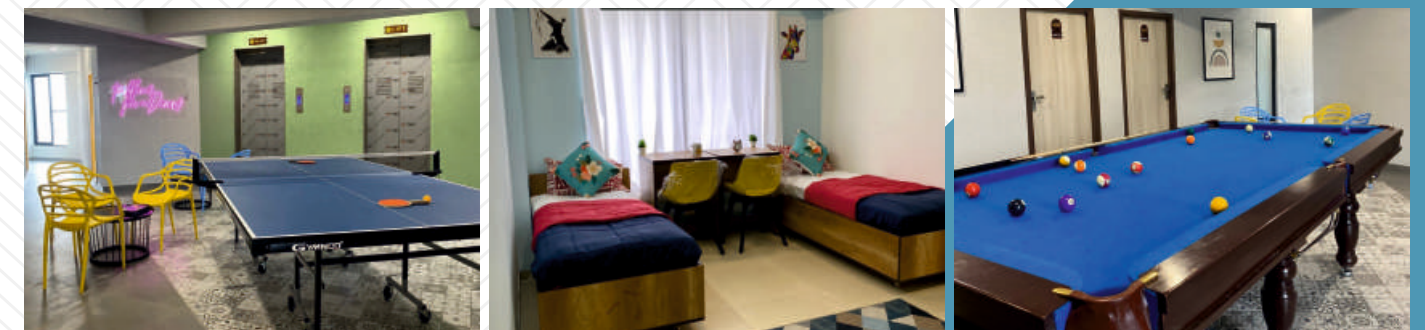Coffee Machine | Pick-up & Drop Service | Laundry Service | Delicious Meals and Whatnot!

A Place where you Inspire and Be Inspired

The Hive Hostels is more than just a roof and 4 walls-it's your comfort zone, a habitat, your own space where you can meet like-minded people, learn from them, and teach them a thing or two. Here you can express your vision and talk about your dreams and goals without being judged.

When you are here, you are Never Bored

The Hive Hostels, in simple words, is a junction of functions. From the sacred fires of Holi and Lohri to the joys of Diwali, Eid, and Christmas and even the thrills of Cricket and Football - we just need a chance to put your best clothes on and get partying!

Contact : +91 95826 74319, 1800-572-0709

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

STUDENT
ACHIEVEMENTS

Winner at Chess Tournament - December, 2022

Runners' Up Trophy of LJ Cup Tournament January, 2023

Won Prizes at National Colloquim on Gender Equity and Equality October, 2022

Winners of Cyber Shades 2023

PLACEMENTS @
IT COURSES

The placement cell consists of a team of faculty and students who are actively involved from inviting the company, scheduling campus drive till the final interview process. The placement activities of the students start right from their bridge sessions which gives them a kick start to prepare different subjects for the upcoming placements. Placement cell also trains the students in the following areas:

Training
- Mock Interviews
- Group Discussion
- Aptitude Tests
- Corporate Communication and Correspondence

Internship Placement

Grooming
- Resume Building
- Analytical Thinking
- Decision Making
- Work Ethics
- Communication Skills

Campus Recruitment
- Online/Written Tests
- Group Discussion
- Interviews

Final Placement

Some of the companies that have visited the campus for placements are:

- 4C InfoEngg
- Anblicks
- Argusoft India Ltd.
- Aspire Software Solutions
- Bacancy
- Biztech IT Consultancy Pvt. Ltd.
- BizzAppDev Systems Pvt. Ltd.
- Bluepixel Technologies LLP
- CrossShore Solutions
- Cybercom Creation
- Cygnet Inc.
- eInfochips
- Global Vox LLC
- iFour Technolab Pvt Ltd
- Impero IT Services Pvt Ltd

- Infosense Global
- Inventyv
- iView
- Knovos
- Knowarth Technologies
- Learniphi Technology
- Magneto IT Solutions Pvt Ltd
- Net-Square Solutions Pvt. Ltd
- Radixweb
- Redefine Solutions
- Sarjen Systems Pvt. Ltd.
- Shiv Technolabs Pvt. Ltd
- SoluLab
- Solution Analyst
- Source Ved

- Space-O Technologies
- Streebo Inc.
- Synoverge Technologies
- Tatvasoft
- Tech Compose
- TechHolding
- The One Technologies
- Third Rock Techkno
- WebCodeGenie
- Webline India
- WebOccult Technologies
- Yudiz Solutions Pvt. Ltd.
- ZealousWeb
- Zeus Learning