



Pioneer in Computer Science Education

BCA | iMSc(IT) | iMCA

Faculty of Computer Applications & Information Technology
Faculty of Computer Technology



GLS UNIVERSITY

GLS University is a statutory state private university established by an Act of Gujarat State Assembly. GLS University is set up with the vision to benchmark global standards of education and create path breaking programmes in the areas of strategic importance not only to the country but also across the world. The university has initiated various innovative programmes in diverse areas of Management, Information Technology, Communications, Social Sciences and Commerce. Several programmes such as B.C.A., iMSc (IT), iMCA, M.C.A, MSc (IT), B.B.A., M.B.A., B.Com., M.Com., etc. are offered by the various institutes under the umbrella of GLS University.

The university is geared up to introduce other pioneering undergraduate and postgraduate programmes in the various disciplines. With a view to provide impetus to research, the university intends to have research focus in its undergraduate and postgraduate programmes. Moreover, exclusive research degrees like Ph.D. have also been introduced in various disciplines.

FROM THE PRESIDENT'S DESK



Dear Prospective Students,

Greetings from GLS University!!!!

GLS University's vision is "to be a global, renowned academic institution fostering excellence in technology, design, management, innovation, creativity, art, law and entre-preneurship for better enhancement of business, government and society."

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 programme's delivery, faculty acquaintance, Corporate Partners, Global Strategic Alliances, Visionary Leaders. Our 10,000+ alumni are making significant contributions across sectors and around the world and thousands of professionals who opted their education in our university.

While our faculties are not only outstanding scholars in their respective disciplines, but they have publications in leading international and national reputed journals, they are also inspiring teachers, impactful consultants, award-winning case writers, and renowned corporate and policy advisers.

We have built world class amenities and facilities for all the stakeholders of the University which provide an adequate environment for innovative learning experience and space for originality. GLS University always believes in modernizing their infrastructure as per the requirement of time in this cutting edge ecosystem of education.

GLS University's all departments organize their flagship events focusing on academic, curricular, co-curricular and personal grooming of the students which facilitates the students to explore their knowledge and skills beyond the books.

GLS University's philosophy for education focuses on industry-oriented education which develops the students for the real world. We have ensured that the learning experiences of the students are exceptional while collaborating with renowned organizations like, Maruti Suzuki India Ltd, Tata Consultancy Services and many more and we have invited 500+ Industry experts to deliver their wisdom and knowledge to students.

The purpose of education is often misunderstood. It should not be the means to becoming a big, rich person. It should be about social and economic development & about the student should also be taught moral values which are enriched with their social values. They should be cognizant of the rising need for environmental consciousness. Sustainability and minimalism are the way forward. Hence, our vision for education transformation would be a fine balance between machine learning and human values. A conscious effort to bridge the urban-rural divide by optimising technological advancements to reach every growing child is the driving force and motto of GLS University.

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

Sudhir Nanavati

President

FACULTY OF COMPUTER APPLICATIONS & INFORMATION TECHNOLOGY (FCAIT)

FCAIT is renowned for ceaselessly striving to achieve excellence by inculcating educational, social, and ethical values in students for their holistic upliftment. The institute adorns a hi-tech environment so that the learners get exposure to the latest technology and trends. Providing outcome-based education is the prime motto of the institute and for that, the institute constantly 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 prepare students for excellence and comprehensive growth.

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

Amongst Top **50** BCA Colleges in the All India Survey by **India Today & Outlook India** magazine

FACULTY OF COMPUTER TECHNOLOGY (FCT)

Faculty of Computer Technology (FCT) offers IT oriented programmes under the aegis of GLS University. Over the years, the institute has become a synonym for practical and industry-focused education that attracts students from across the country. With well-equipped computer laboratories, comfortable classrooms, contemporary infrastructural resources, and well qualified and experienced faculty, the institute provides a conducive atmosphere for study. The institute trains students to be open to innovative global perspectives. The institute lays a strong emphasis on social values so that the student emerges as a successful and ethical professional and a responsible human being.

DISTINGUISHING FEATURES

Excellence in Education for 20+ Years

Exemplary ICT Enabled Pedagogy

Grand Legacy of More Than 90 Years

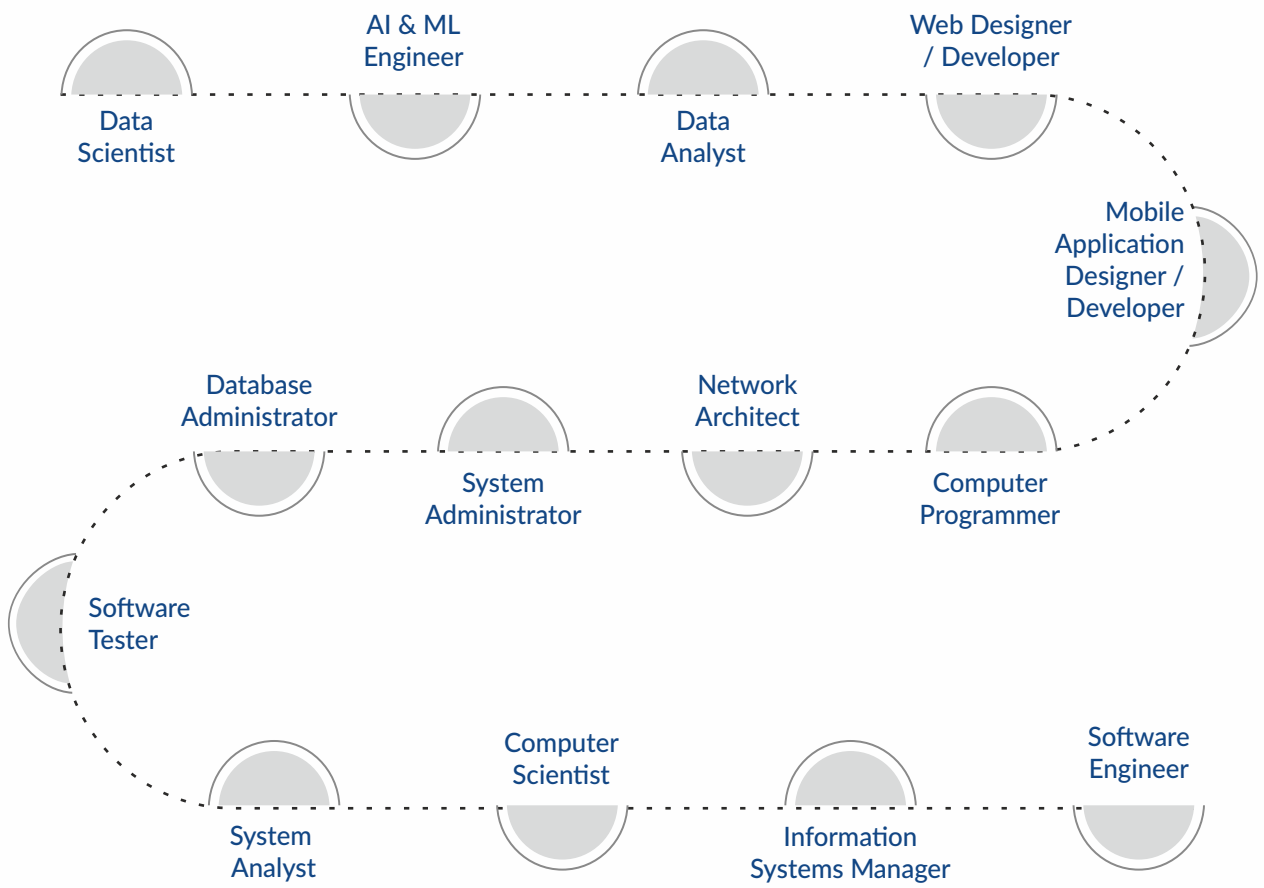
Extensive Library with Books, E-Resources, Journals, Periodicals

Well Resourced Infrastructure

Highly Equipped Labs for Practical Exposure

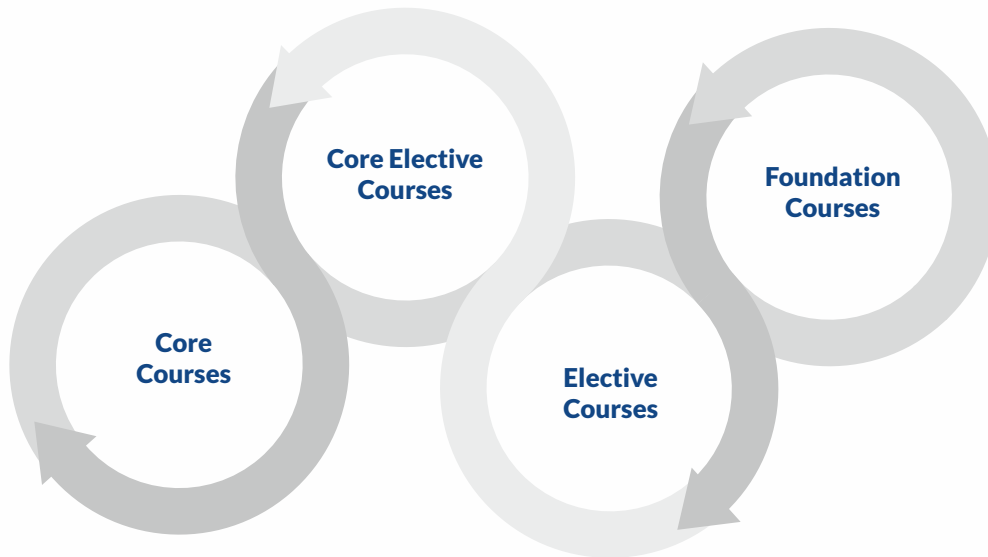
Highly Experienced & Qualified Faculty Team

FUTURE OPPORTUNITIES

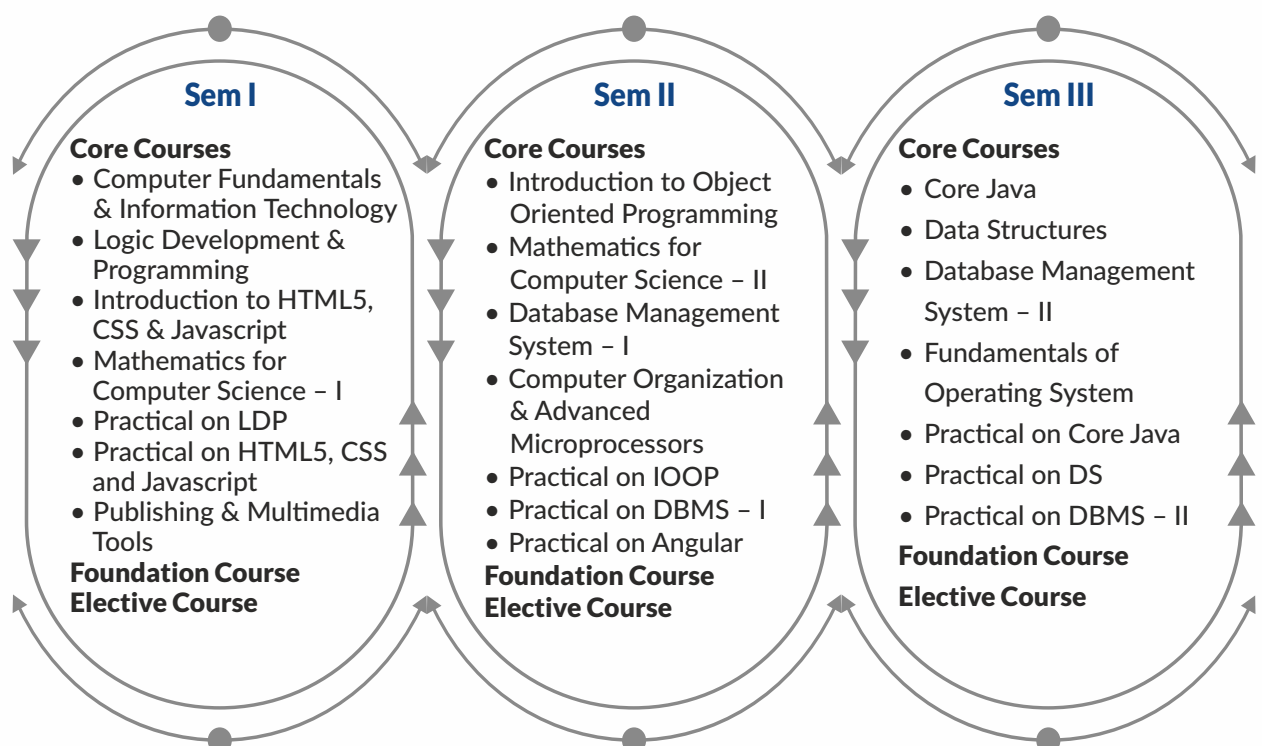


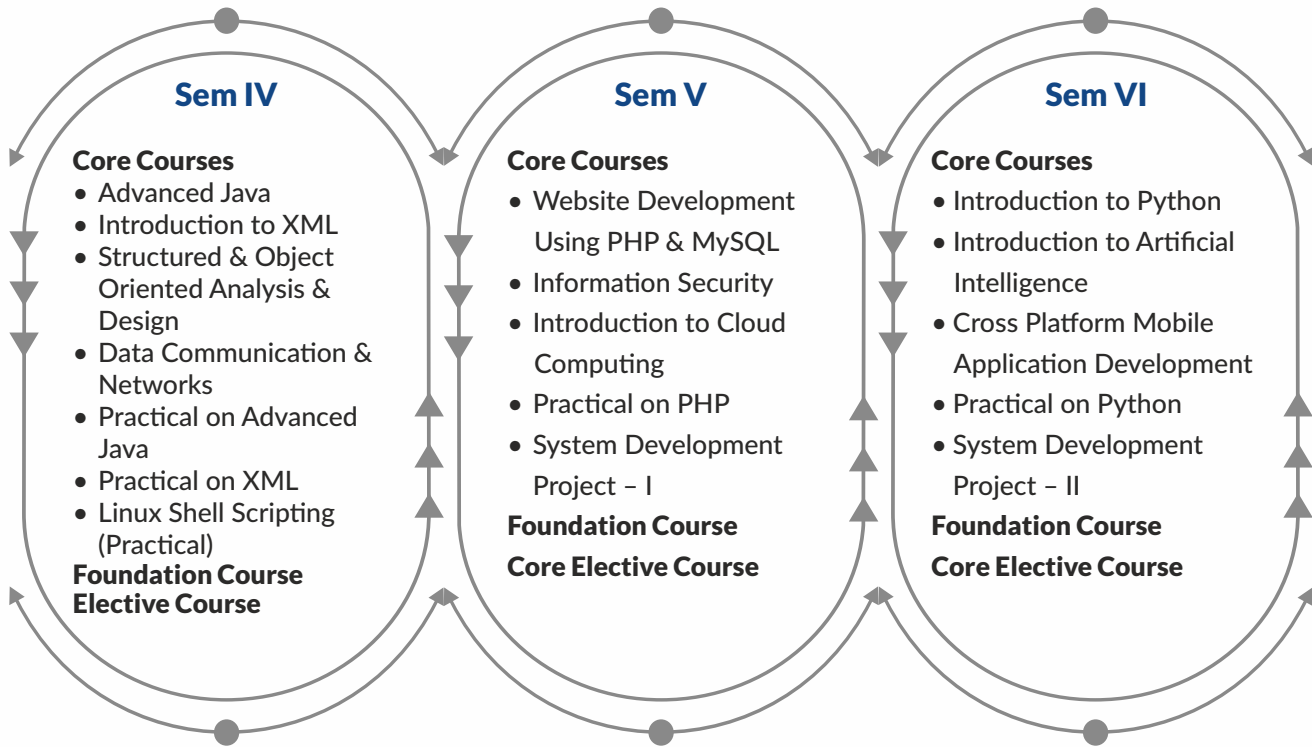
BACHELOR OF COMPUTER APPLICATIONS (BCA)

BCA Course is 3 years (6 semesters) Under Graduate Programme based on the Choice Based Credit System (CBCS) specially customized for students wishing to excel in the field of Computer Science and Applications. The Programme offers a rich and comprehensive syllabus where students get exposure to various areas of computer applications including the recent industry trends. The curriculum prepares students for a career in the fast lane of software development and programming. This course enables the students to stay updated about the current advancements in technology as well as equips them with the required skills and knowledge to enter into the industry and carve a niche for themselves.



BCA COURSE STRUCTURE

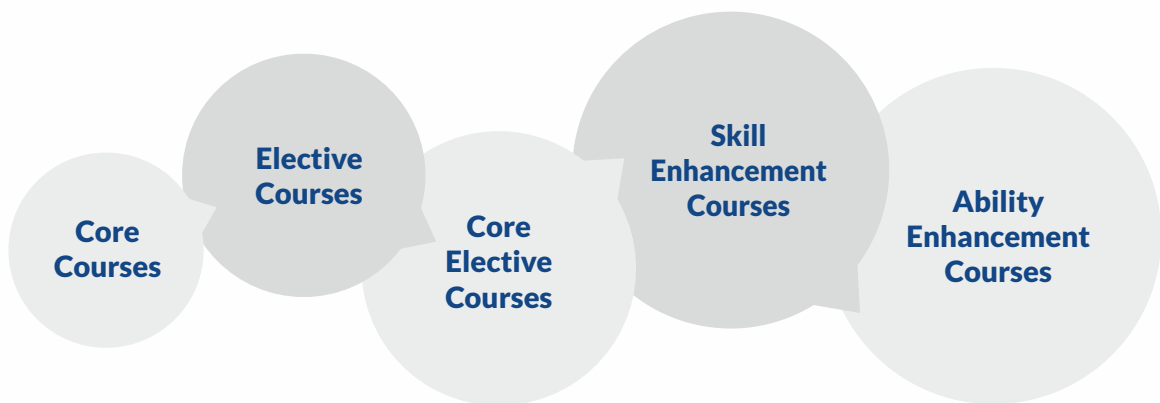




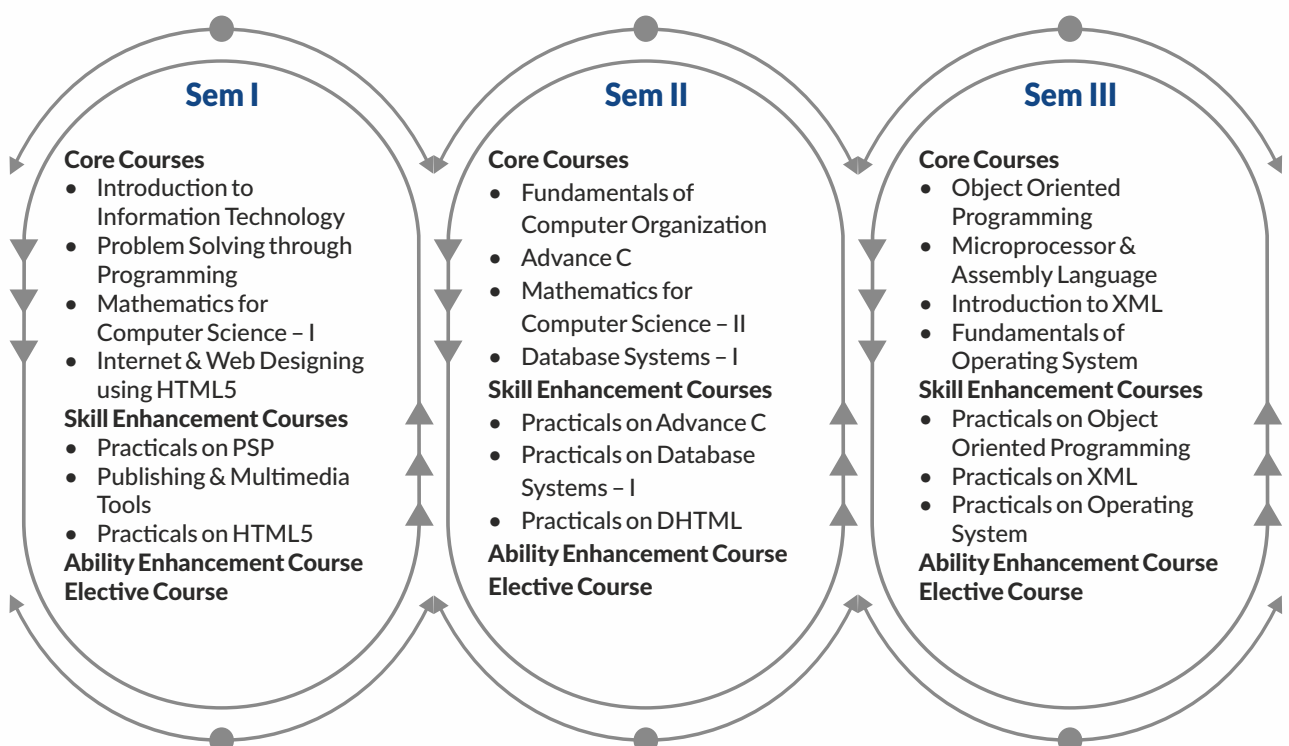
Foundation Courses	Elective Courses
<ul style="list-style-type: none"> Communication Skills Fundamentals of Accounting Professional English History of Computing Statistics for Data Analysis Website Frameworks using Joomla Website Frameworks using ROR E-Governance & E-Commerce Introduction to Embedded Systems Introduction to Data Analytics Operation Research Introduction to Web Services Enterprise Resource Planning Management Information System Customer Relationship Management 	<ul style="list-style-type: none"> Learning from World Leaders History of Gujarat & its Culture Health Education Gandhian Movement Environmental Studies Principles of Management Soft Skills Development Introduction to Indian Constitution Green Computing Digital Marketing Stories from English Literature Disaster Management Design Thinking
	Core Elective Courses
	<ul style="list-style-type: none"> Software Engineering Emerging Technologies Introduction to NoSQL Database Introduction to Augmented Reality / Virtual Reality Full Stack Development

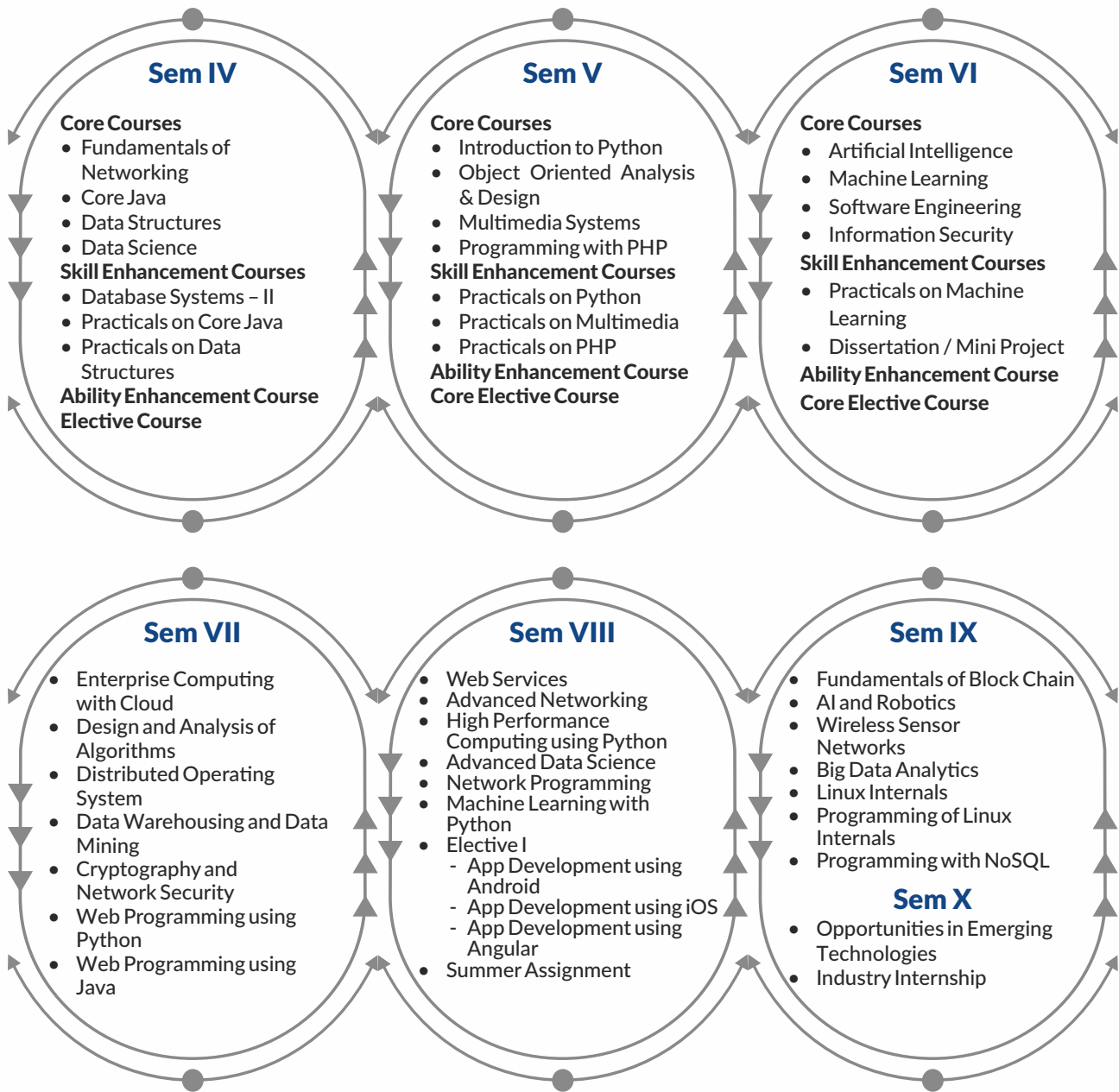
INTEGRATED MSc(IT) (iMSc(IT))

Integrated Master of Science (IT) - iMSc(IT) is a 5 years (10 Semesters) Programme designed for students who wish to pursue a professional career in Information Technology. By joining this course, the students would gain a strong theoretical foundation, an ability to analyze, conceptualize and design systems and competency in modern software design and development tools. The course has been specifically designed to suit the requirements of the IT industry, where individuals will be able to take up technical or management positions and can seek employment in many roles, including computer programmers, technical authors and research associates. The syllabus follows the Choice Based Credit System (CBCS) that has a blend of contemporary and traditional subjects. The programme aims to indoctrinate crucial abilities as demanded by the industry through the interactive learning process. The programme imparts comprehensive knowledge with equal emphasis on theory and laboratory work in the field of Information Technology.



iMSc(IT) COURSE STRUCTURE

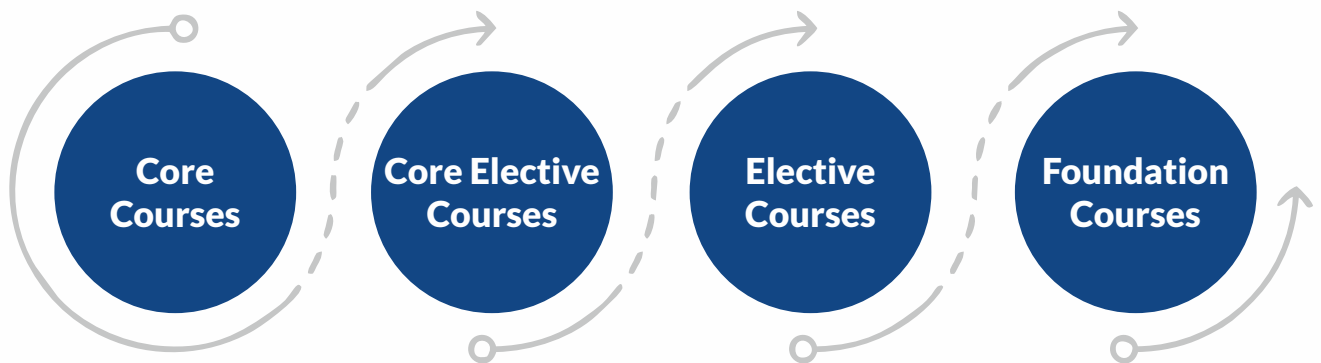




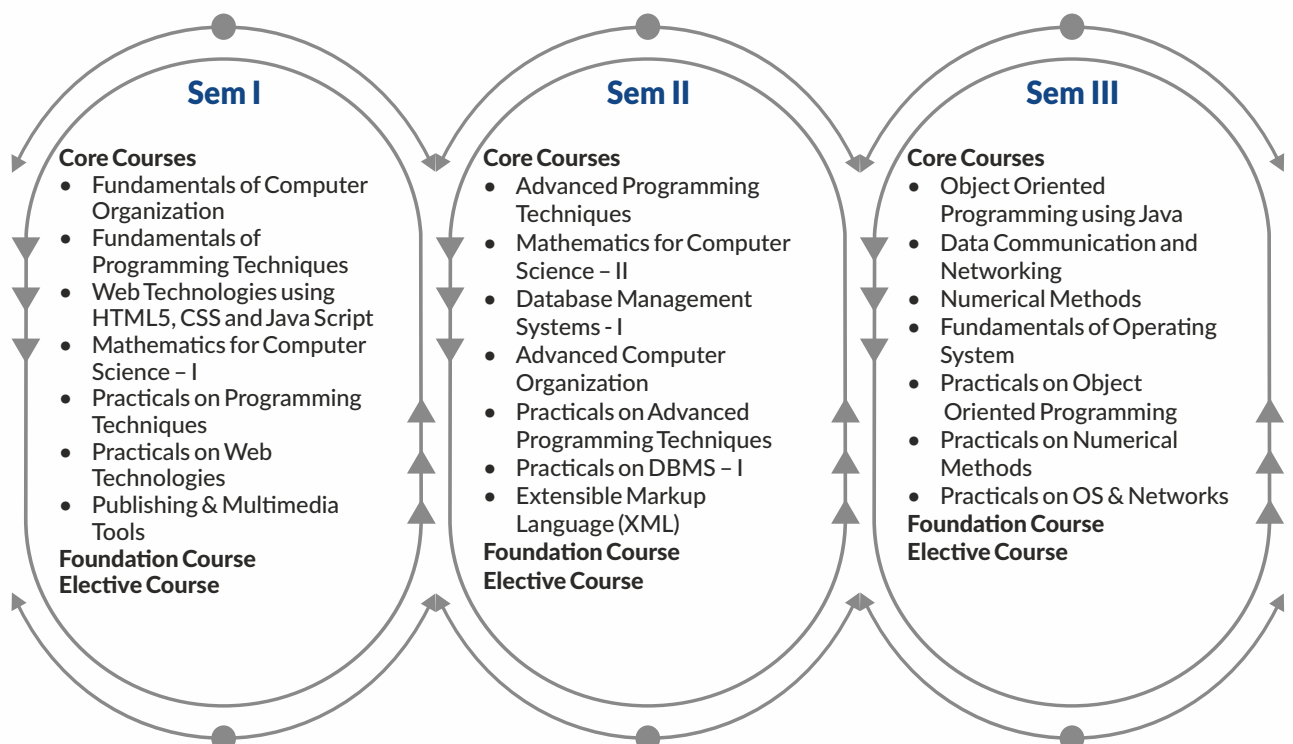
Core Elective Courses	Elective Courses	Ability Enhancement Courses
<ul style="list-style-type: none"> • Parallel Processing • Computer Graphics • Operations Research • Digital Image Processing • System Software • Software Testing • Introduction to IoT 	<ul style="list-style-type: none"> • Renowned Scientists of the World • IT in Healthcare • Indian Constitution • Gandhian Movement • Environmental Studies • Ethical & Moral Values • Soft Skills Development • Green Computing • Tools & Techniques for Digital Marketing • History of Gujarat & its Culture • Foreign Language – II • Design Thinking 	<ul style="list-style-type: none"> • Communication Skills • Foreign Language – I • Introduction to Electronics, Digital Logic & Circuits • Numerical Methods • Embedded Systems – I • Embedded Systems – II • Website Frameworks using Joomla • Website Frameworks using Drupal • Cloud Computing • Web Security • Introduction to Augmented Reality / Virtual Reality

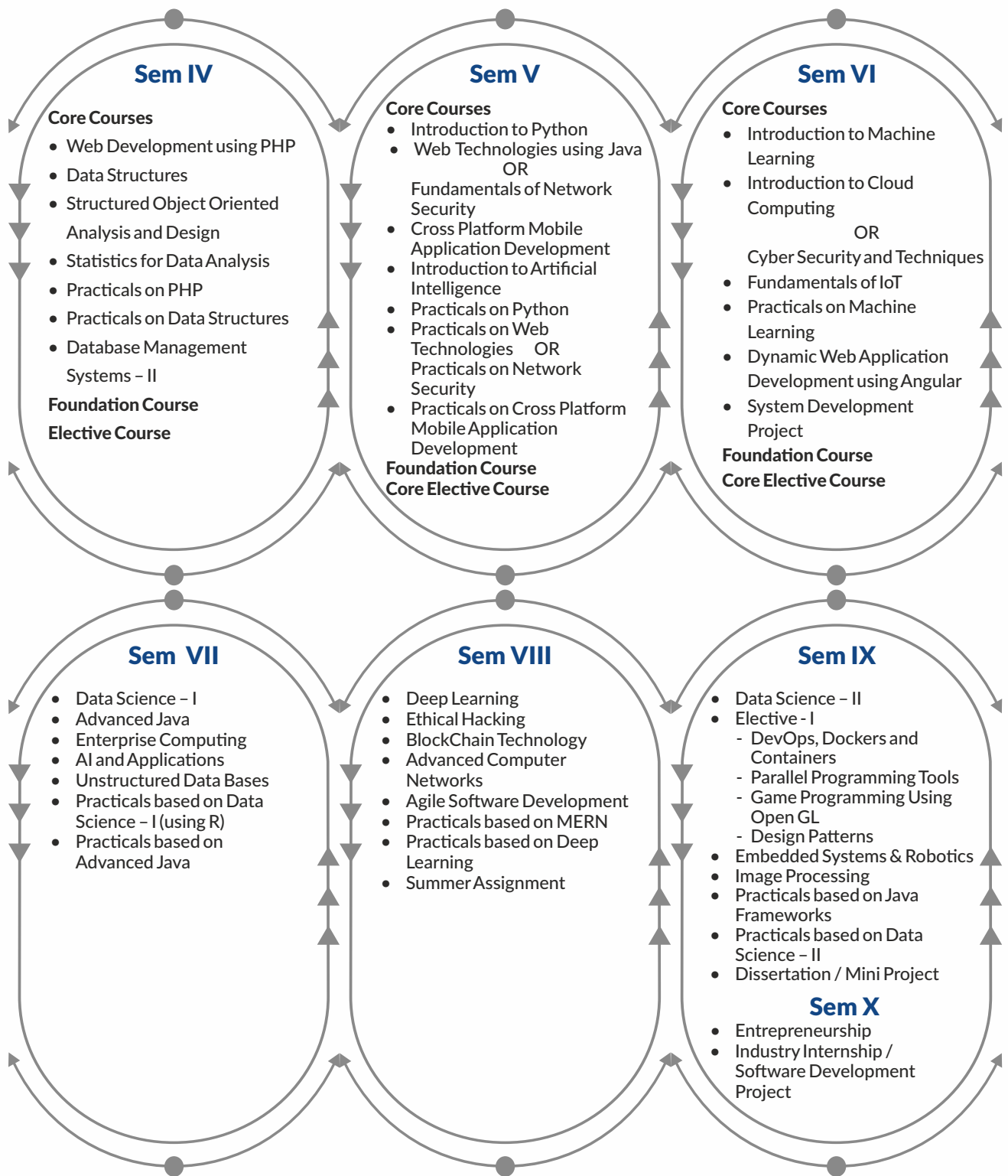
INTEGRATED MCA (iMCA)

Integrated Master of Computer Applications – iMCA is 5 years (10 Semesters) Programme that offers syllabus aligned to industry demands and the latest developments. The curriculum is designed to enhance the professional competence of students in computer applications and their implementations. The course provides a strong foundation in the field of computers & IT through a blend of traditional and contemporary subjects. It offers theoretical grounding and practical expertise for students to learn the technical know-how and implement their knowledge in the real world. The programme provides outcome-based education and comprehensive growth through extensive opportunities for lifelong learning. This programme being technology-oriented, is designed to provide step-by-step basic and advanced technical knowledge along with hands-on experience. The programme develops computer professionals, with strong fundamental knowledge, an understanding of recent development tools used in the computer industry, and also creates the foundation for future research.



iMCA COURSE STRUCTURE





Foundation Courses	Elective Courses	Core Elective Courses
<ul style="list-style-type: none"> • Embedded Systems • Introduction to Web Services • Technical and Professional Communication • Introduction to Augmented Reality / Virtual Reality • Foreign Language • Communication & Presentation Skills • Fundamentals of Accounting • Enterprise Resource Planning • Management Information System • Customer Relationship Management • E-Governance & E-Commerce • Website Frameworks using Joomla • Website Frameworks using ROR 	<ul style="list-style-type: none"> • Digital Marketing • IT in Healthcare • Design Thinking • Green Computing • Gandhian Movement • Environmental Studies • Disaster Management • Principles of Management • Learning from World Leaders • History of Gujarat & its Culture • Moral Values through Stories • Introduction to Indian Constitution • Effective Soft Skills for Career Management 	<ul style="list-style-type: none"> • Software Engineering • Software Testing • Operations Research • Parallel Processing • Computer Graphics • Introduction to NoSQL Database

HOLISTIC DEVELOPMENT





PEDAGOGY



TOWARDS ACADEMIC EXCELLENCE



PROFESSIONAL ENRICHMENT



360° Development
in Education &
Concurrent Domains



Enhancing the
Scientific Aptitude
of Students



Comprehensive
Grounding in
Technological Concepts



Nurturing Knowledge,
Key Skills &
Capacity for Learning



Building the
Inquisitiveness for
Learning & Innovations



Competency Building
for Professional
Enrichment



MAKING WORLD A SMARTER PLACE !!!

The institute encourages students to extend their knowledge to explore incipient technologies and provides platform to adopt 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.

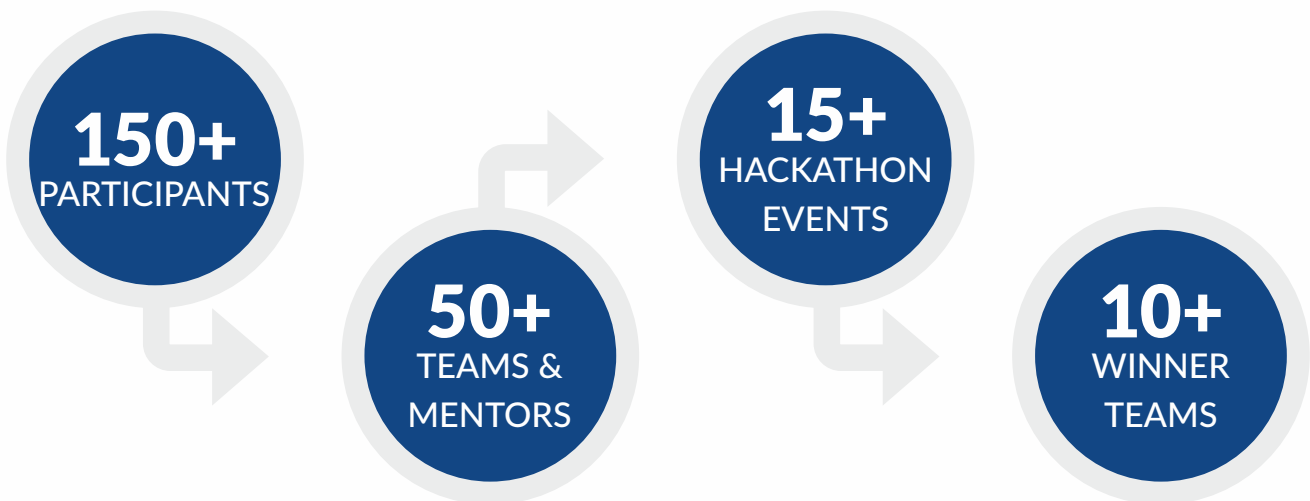
- Smart Shoes for Blind People
- Text Reader for Blind People
- Social Distancing Device
- Fall Detection and Alert System
- Automatic Car Parking System
- Line Follower & Obstacles Avoiding Robots



NO PROBLEM TOO BIG... NO IDEA TOO SMALL !!!

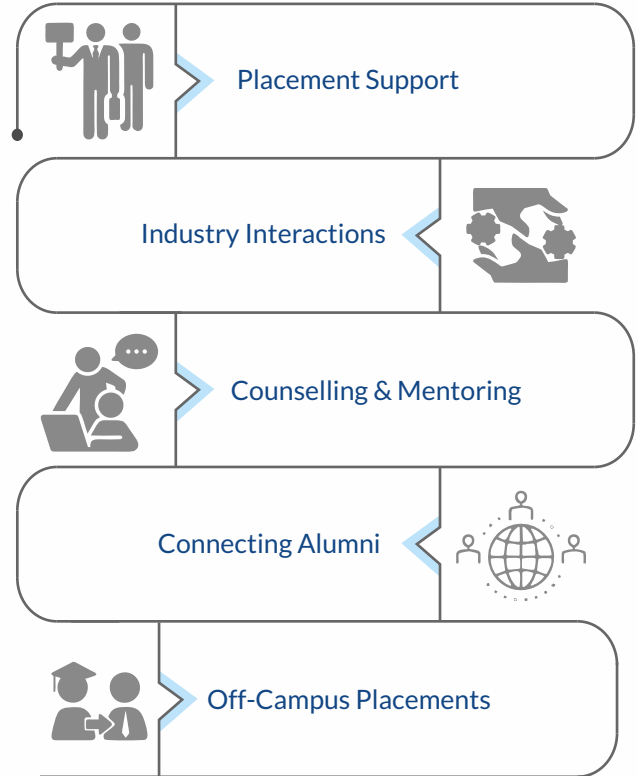
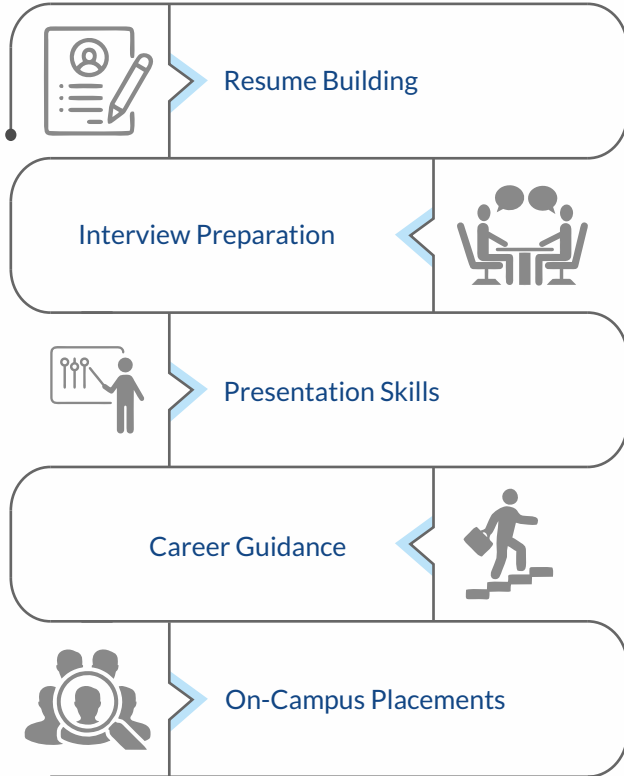
Hackathon is a pioneering series of competitions held at International, National and Regional levels to promote and leverage the technical skills of the students. Students of the institute have proposed various "Out of the Box" solutions for Multidisciplinary fields of Social Relevance.

- Blue Cross [Online Blood and Plasma Management System]
- IoT Based Notice Board
- Human Protection System
- Vehicle Monitoring System with Anti-Theft and Security
- Platform to Communicate for People to Split Ride



PLACEMENTS

The Placement cell is in a continuous effort to provide students with the best placement opportunities. It works towards preparing the students to become eligible for jobs in the most efficient and reputed companies.



PROMINENT RECRUITERS



ALUMNI SPEAKS

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



My time at GLS were my foundational years in Computer Science. Professors at GLS always urged us to look beyond the textbooks and syllabus, write code, experiment, explore different ways of doing things. We were always pushed to build real things rather than just "code that algorithm". Thanks to this approach, in my post-grad and at my first job, I was one of very few who have written the most amount of code in their life.

Bhoomit Vasani
Sr. Software Engineer, Alexa AI

GLS is a self-explanatory brand that represents the turned stone poised to conquer the globe. My College days are unforgettable and in fact those days are the happiest and most lucrative days of my life. Achievements-applauds, opportunities-thoughts, this is what I have gained from GLS. The updated and competitive syllabus as always kept me one step ahead of all the others who were pursuing the same.

Akshat Suroliya
Data Scientist, DSMATICS



I belong to 2014-17 batch of GLSBCA. This college has given me so many wonderful memories that I would want to relive even now. The faculty members, my educators and their teaching have helped me even now after leaving this college. GLS provides you an environment to work towards your goals. Being part of GLS family was a wonderful experience.

Devika Pathak
Test Engineer, Infosys Ltd.

I entered as a newbie but GLS prepared me for real IT world through excellent curriculum. The daily lab sessions helped me understand how the real world applications work and how to develop them on my own, thanks to this program I understand the fundamentals as well as advance concepts of IT.

Vishnu Pillai
Devops Engineer, Abjayon Inc.



Being a student at GLS, I found myself. I got complete guidelines and the best mentoring. All the doubts got solved by the faculties or more I can say, friendly faculties. I have always been a curious student and was always ready to explore new horizons. And during my journey at GLS faculties have always supported me.

Falguni Sharma
Assistant Manager-Business Development, iView Labs Pvt. Ltd.

INTERNATIONAL COLLABORATIONS



Harvard
Business School



LEEDS
BECKETT
UNIVERSITY



TRINITY
WESTERN
UNIVERSITY



Curtin University



Institute of
Analytics
The Global Body for Analytics



CIMA



INFRASTRUCTURE RESOURCES



ADMISSIONS

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 General or Science stream during the current year with the following subjects:
 - (1) English and
 - (2) Any one of the following subjects:
 - Mathematics
 - Statistics
 - Physics
 - Business Mathematics
 - Computer
 - Accountancy
 - Accounting and Book Keeping
- The candidate must have obtained the following minimum percentage of 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%







Contact Details :

Faculty of Computer Applications & Information Technology

Faculty of Computer Technology

BCA | iMSc(IT) | iMCA

📍 GLS University Campus, Ellisbridge, Ahmedabad – 380006.

☎ 079-26447638, 9904086377, 8866106226

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

✉ admissions@glsica.org