

Online BCA

**EXCELLENCE IS
WHAT WE STRIVE
TO ACHIEVE**





At Galgotias University, we provide a transformative experience that prepares students for leadership and citizenship. With cross-disciplinary learning, expert faculty, and state-of-the-art infrastructure, we foster intellectual growth, scholarship, and innovation. Our commitment to excellence ensures our graduates become global idea-leaders, driving advancements and making significant contributions to society.

Mr. Suneel Galgotia
Chancellor



Success in today's digital era hinges on the integration of technology, skills, and education. At Galgotias University, we continuously adapt to stay ahead in a tech-savvy world, preparing graduates for current and future challenges. Beyond technical skills, we emphasize moral values, critical thinking, and leadership, ensuring our students emerge as well-rounded, high-contributing citizens. The vibrant campus life, enriched by diverse activities, offers countless opportunities for growth.

Dr. Dhruv Galgotia
CEO



The Indian higher education system is facing an unprecedented transformation which is driven by social, economic and demographic changes. We at Galgotias University are constantly remodelling and restructuring every aspect of the education we impart to ensure that we are at the forefront of this exciting transformation age. I welcome you to the university and look forward to supporting and guiding you so that you emerge from Galgotias university be part of the growth story of resurgent India.

Aradhana Galgotia
Director Operations



Higher education is a lifelong journey, and Galgotias University (GU) is committed to fostering a transformative learning experience. As a young, globally recognized institution, GU has achieved significant milestones, including NAAC A+ ranking and NBA accreditation for multiple programs. Our student-centric approach emphasizes inclusivity, innovation, and holistic education, aligning with NEP 2020. By integrating real-world experiences and multidisciplinary.

Dr. K. Mallikharjuna Babu
Vice Chancellor



At Galgotias CDOE, we are committed to delivering accessible, industry-aligned education that empowers learners everywhere. With over 27 years of global experience in building digital universities, I bring a strong focus on innovation, scalability, and learner success. Our programs blend academic excellence with real-world skills, supported by robust technology and regulatory compliance. We're here to help you grow, lead, and thrive in a digital-first world.

Mr. Diwakur Singh
Executive Director – CDOE



Our vision is to provide boundless opportunities for growth, embodying our commitment to lifelong learning. At CDOE, education is a continuous journey that extends beyond traditional boundaries, preparing you for both current and future industry demands with a focus on practical skills and real-world applications. We invite learners of all ages and backgrounds to join our community. Choosing GU-CDOE means unlocking your full potential and embarking on a path.

Prof. (Dr.) Santosh Jha
Director – CDOE



CDOE

Galgotias University, located in Uttar Pradesh and sponsored by Smt. Shakuntala Educational and Welfare Society, has been recognized as a leading academic institution by achieving the highest benchmark in academic excellence with NAAC A+ accreditation in the first cycle. This remarkable achievement places Galgotias as one of the best private university with a NAAC score of 3.37 out of 4, awarded by the National Assessment and Accreditation Council (NAAC), and the highest graded autonomous institute of the UGC, Ministry of Education, Govt. of India.

The university began operations in the 2011-2012 academic session and welcomed its first batch of students in July 2011. Since then, it has grown to have more than 30K+ students. Today, with 20 schools offering over 200 programs, including Diploma, Undergraduate, Postgraduate, and PhD Programs, we rank among India's top universities.

We aim to become an internationally recognized institution that excels in multidisciplinary and interdisciplinary education, research, and innovation, producing graduates who are globally competitive and poised to become leaders in their fields. Graduates will possess deep knowledge in their chosen fields, strong problem-solving skills, an understanding of the societal context of their profession, effective teamwork abilities, excellent communication skills, and a commitment to lifelong learning.

30+

Years Of
Excellence

500+

Hiring
Partners

89K+

Learners

60+

Programs &
Specializations

30K+

Brilliant
Students

52

Acre
Campus

20+

Years of
Legacy

300+

Awards

Mission

- Provide innovative and accessible education that equips learners with practical skills and knowledge.
- Foster a community where hands-on learning and real-world application are paramount.
- Encourage continuous personal and professional growth through lifelong learning opportunities.
- Cultivate an inclusive environment that welcomes students from diverse backgrounds and experiences.
- Bridge the gap between traditional education and the evolving needs of the global workforce.

Vision

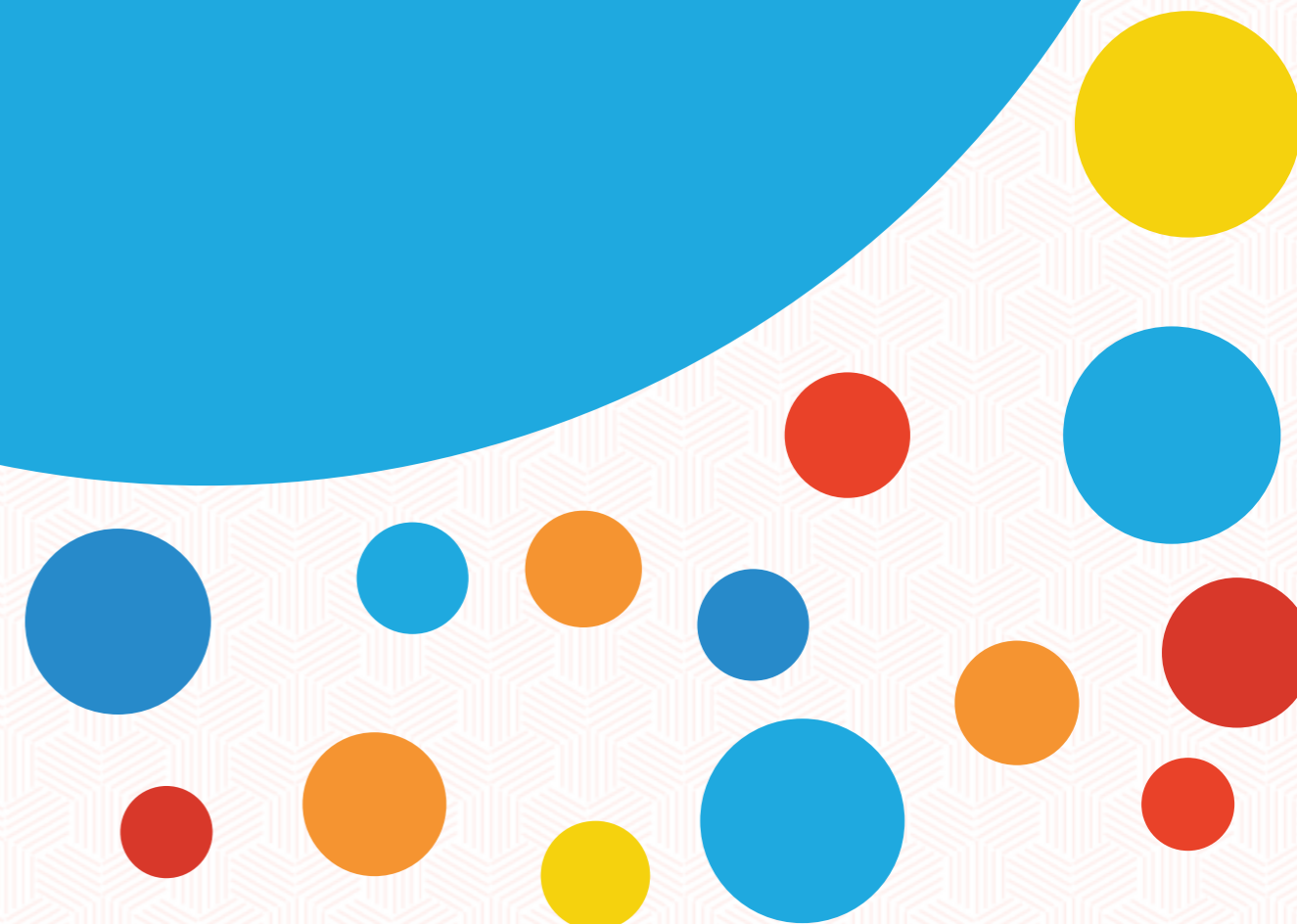
- To be recognised as a leader in online education, setting the standard for excellence and adaptability in online programs.
- Create boundless opportunities for our students, enabling them to thrive in various industries and entrepreneurial endeavours.
- Promote a philosophy where educational growth is interwoven with personal development and community enhancement.
- Contribute to the socioeconomic development of our society by producing skilled professionals ready to meet contemporary challenges.



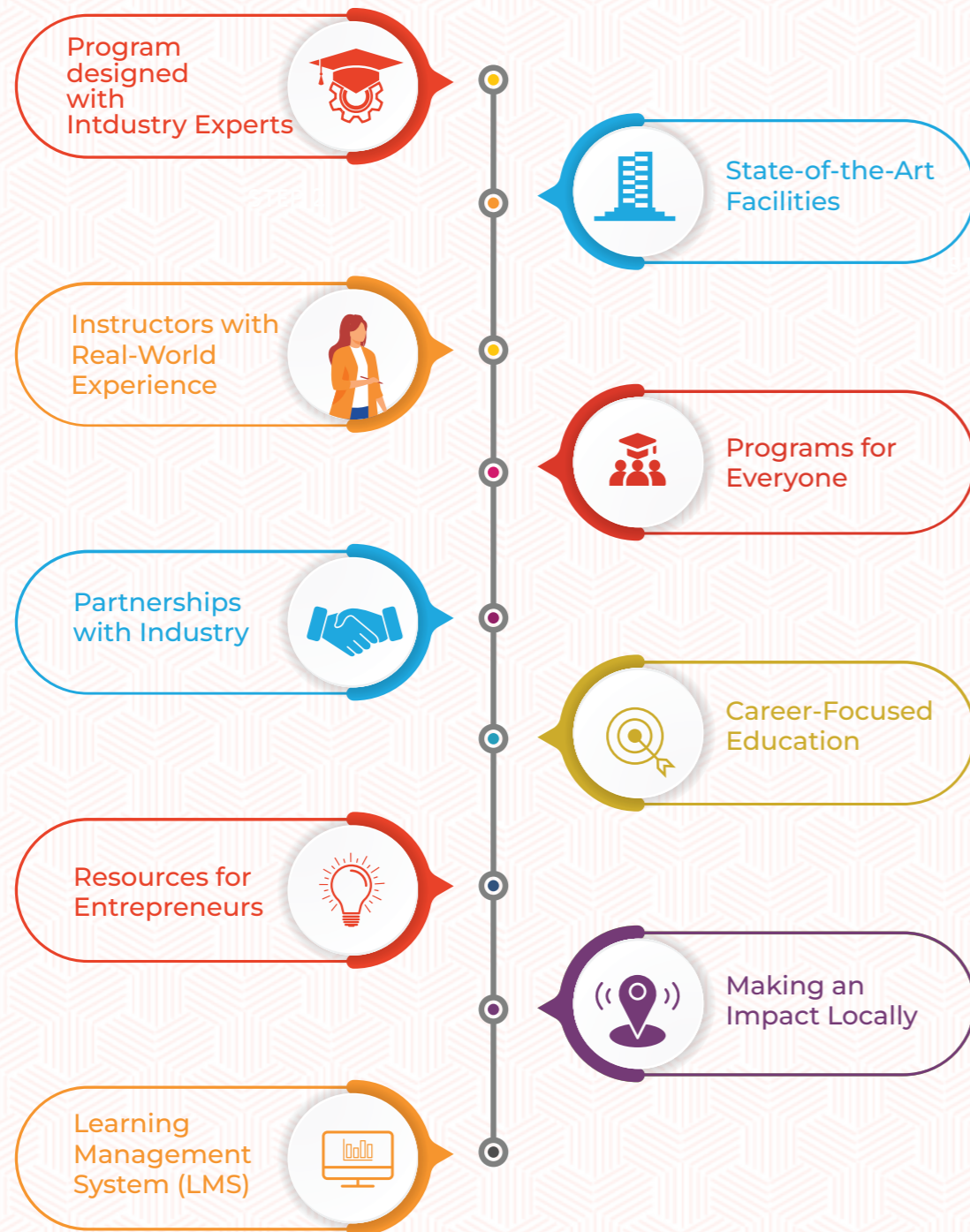
Core Value

The Galgotias University believes and maintains the following Core Values in all its academic and management processes

- Enthusiasm to Innovate
- Quest for Excellence
- Zeal to inspire the next generation of leaders
- Openness and Transparency in Communication
- Trust, Dependability, and Commitment



USP of Galgotias Centre for Distance and Online Education (CDOE)



BCA

Galgotias University's Bachelor of Computer Applications program in Online Learning is a three-year undergraduate program demonstrating a commitment to high-quality education, emphasising flexibility and accessibility. Aligned with UGC DEB guidelines, it focuses on core business principles while fostering technical knowledge and skills. The program prepares students for technological advancements and global perspectives, enhancing career progression and employability. Utilising technology for learning promotes lifelong learning, peer interaction, and networking. Inclusive and diverse, it provides opportunities for all, regardless of background. The BCA program aims to provide quality education, equip students for the future, and champion accessibility and inclusivity. Strategic objectives include learning core business principles, promoting critical thinking, fostering an entrepreneurial mindset, and encouraging global perspectives.



Curriculum

Semester I						
		Credit Structure				
Sl. No.	Course Title	L	T	P	S	Credits
1	Open Elective-I	3	1	0	0	3
2	Fundamentals of Digital Computers	3	0	1	0	4
3	Foundation of Computer Applications	3	0	1	0	4
4	Vocational Elective-I	3	0	1	0	4
5	Programming Paradigm and problem-solving	3	0	1	1	5
6	Co-Curriculum Elective-I	2	0	0	0	0
	Specialisation Core-I	3	0	1	0	4
Total credits						24

Semester II						
		Credit Structure				
Sl. No.	Course Title	L	T	P	S	Credits
1	Discrete Mathematics	3	0	0	0	3
2	Open Elective-II	3	0	0		3
3	Data Structure	3	0	1	0	4
4	Vocational Elective-II	3	0	1	0	4
5	Object Oriented Programming using C++	3	0	1	1	5
6	Co-Curriculum Elective-II	2	0	0	0	0
7	Specialisation Core-II	3	0	1	0	4
Total credits						23

Curriculum

Semester III						
		Credit Structure				
Sl. No.	Course Title	L	T	P	S	Credits
1	Open Elective-III	3	0	0	0	3
2	Operating System with Linux	3	0	1	0	4
3	Database Management System	3	0	1	0	4
4	Vocational Elective-III	3	0	1	0	4
5	Python Programming	3	0	1	1	5
6	Co-Curriculum Elective-III	2	0	0	0	0
	Specialisation Core-III	3	0	1	0	4
Total credits						24

Semester IV						
		Credit Structure				
Sl. No.	Course Title	L	T	P	S	Credits
1	Software Engineering & Testing	3	0	0	0	3
2	Foundation of Big Data	3	0	0	0	3
3	Computer Networks	3	0	1	0	4
4	Vocational Elective-IV	3	0	1	0	4
5	Web Technology	3	0	1	1	5
6	Co-Curriculum Elective-IV	2	0	0	0	0
	Industrial Training	0	0	2	0	2
	Specialisation Core-IV	3	0	1	0	4
Total credits						25

Curriculum

Semester V						
		Credit Structure				
Sl. No.	Course Title	L	T	P	S	Credits
1	Foundation of Internet of Things	3	0	0	0	3
	(IoT)					
2	Computer Graphics	3	0	1	0	4
3	Campus to Corporate	2	0	1	0	3
4	Professional Elective -I	3	0	1	0	4
5	Java Programming	3	0	1	1	5
6	Project Work	0	0	3	0	3
	Specialisation Core-V	3	0	1	0	4
Total credits						26

Semester VI						
		Credit Structure				
Sl. No.	Course Title	L	T	P	S	Credits
1	MOOC Subject	3	0	0	0	3
2	Capstone Project	0	0	12	0	12
Total credits						15
Total Credits		117	NORMAL			
Total Credits		137	SPL			

Curriculum

Co-Curriculum Electives						
BCA-IOP						
		Credit				
SN.	Course Name	L	T	P	S	Credits
1	Food, Nutrition and Hygiene/ First aid and health	2	0	0	0	0
2	Professional Ethics & Human values/ Environmental Studies	2	0	0	0	0
List of Professional Electives-I for Semester- V						
Name of the Electives (Choose one)		Credit				
SI No		L	T	P	S	Credits
1	Agile Methodology	3	0	1	1	5
2	Android App Development	3	0	1	1	5
3	Data Analytics	3	0	1	1	5

Specializations Core-I						
BCA-IOP Core for I SEM						
		Credit				
SN.	Course Name	L	T	P	S	Credits
1	Fundamentals of AI	3	0	1	0	4
2	Introduction to Big Data Science	3	0	1	0	4
3	Cryptography and Network Security	3	0	1	0	4
4	Fundamentals of Animation	3	0	1	0	4
Specializations Core-II						
BCA-IOP Core-II for II SEM						
		Credit				
SN.	Course Name	L	T	P	S	Credits
1	Machine Learning	3	0	1	0	4
2	Mathematics of Big Data & Optimization	3	0	1	0	4
3	Cyber Laws & Security Policies	3	0	1	0	4
4	Multimedia and Computer Graphics	3	0	1	0	4

Curriculum

Specializations Core-III						
BCA-IOP Core-III for III SEM						
SN.	Course Name	L	T	P	S	Credits
1	Probability for Data Science	3	0	1	0	4
2	Business Data Analytics	3	0	1	0	4
3	Wireless Sensor Networks	3	0	1	0	4
4	2D Animation	3	0	1	0	4
Specializations Core-IV						
BCA-IOP Core-IV for IV SEM						
SN.	Course Name	L	T	P	S	Credits
1	Data analysis and handling	3	0	1	0	4
2	Data Visualization	3	0	1	0	4
3	Distributed Operating System	3	0	1	0	4
4	Introduction to 3D Animation & Modelling	3	0	1	0	4
Specializations Core-V						
BCA-IOP Core-V for V SEM						
SN.	Course Name	L	T	P	S	Credits
1	Machine Learning for Data Science	3	0	1	0	4
2	Data Mining and Data Warehouse	3	0	1	0	4
3	Ethical Hacking	3	0	1	0	4
4	Scripting for Animation & Games	3	0	1	0	4

Curriculum

Courses offered under Vocational category for the programmes which follow NEP 2020						
Sem	Course Name	L	T	P	C	IA
1	HTML & CSS	2	0	2	3	20
2	Java Script & PHP	2	0	2	3	20
3	User Interface Design	2	0	2	3	20
4	Full Stack Development using R	2	0	2	3	20
Sem	Course Name	L	T	P	C	IA
1	Data Analysis	3	0	0	3	20
2	AI for Managers	3	0	0	3	20
3	Stock Market Analysis	3	0	0	3	20
4	Fintech	3	0	0	3	20
Courses offered under Open Elective category for the programmes which follow NEP 2020						
Sem	Course Name	L	T	P	C	IA
1	Decision making with spread sheets	3	1	0	4	20
2	Elements of Literature and Creative Communication	3	0	0	3	20
	Training and Development	3	0	0	3	20
	English Language for Competitive Exams	3	0	0	3	20

PROGRAM OUTCOMES



The program enhances analytical, managerial, communication and computing Applications skills besides inculcating the virtues of self-study.



Analyze and synthesis computing systems through quantitative and qualitative techniques.



Design and develop computer programs in the areas related to algorithm, web design , networking and AI.



Inculcating essential skills as demanded by Indian and Global Software industries through latest tools of learning. This also includes team-building skills, audio- visual presentations and personality development programs.



To develop inter-twining competence in the field of Digital Marketing and Commerce, Computing Skill and Computational tools.



To Develop practical skills to provide solutions to industry, society and business.



Understand environmental issues and lead a life with concerns for environment.



Apply ethical principles and commit to professional ethics and responsibilities and norms of the computing science practice.



To make graduates understand cross cultural, societal, professional, legal and ethical issues prevailing in industry.



Communicate effectively in both verbal and written form.



To apply standard software engineering practices and strategies in software project development using open source programming environment to deliver a quality of product for business success.



Recognize the need for lifelong learning for continuous enhancement and up gradation of technological changes in society.

Eligibility

Eligibility 10+2 Pass

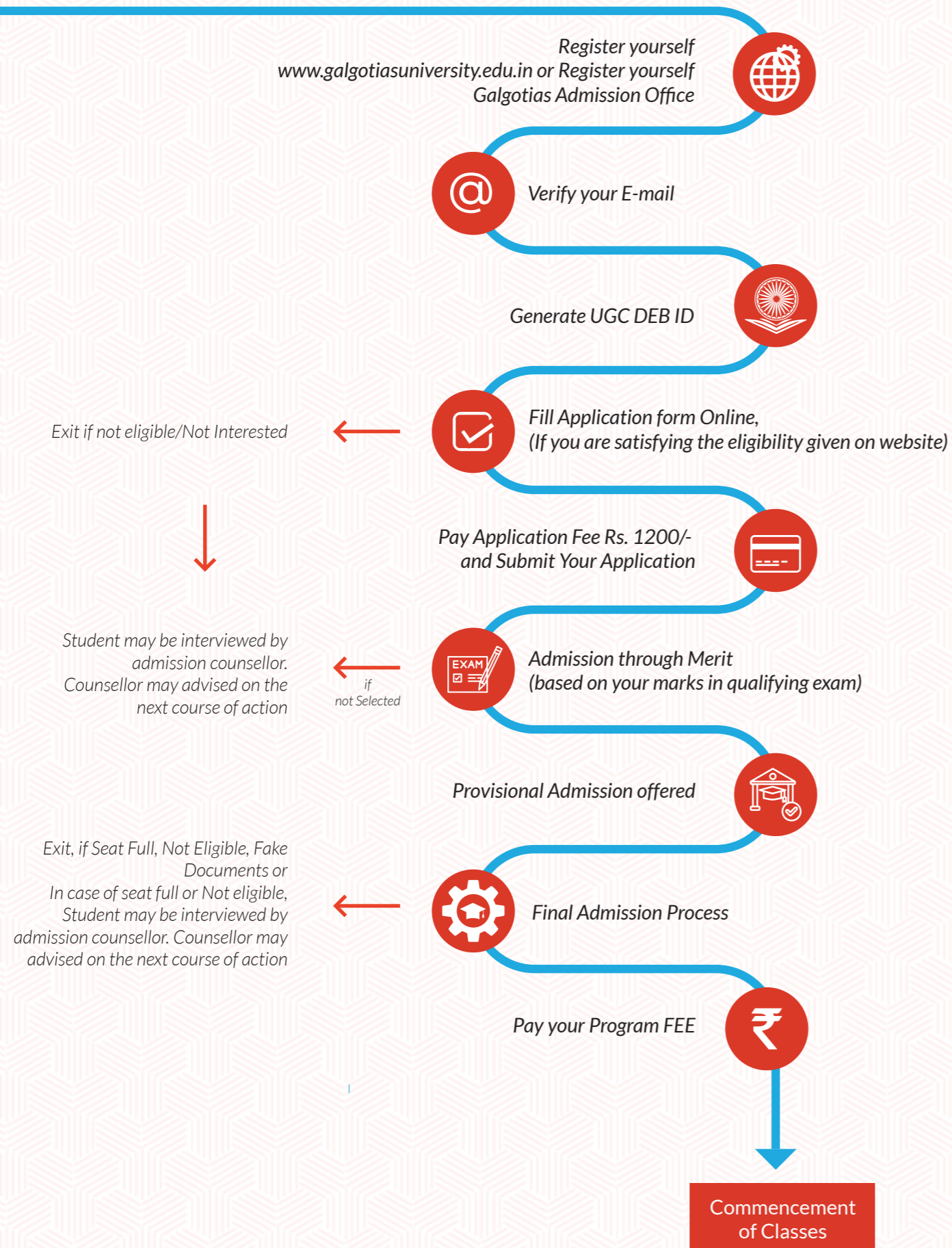
Fee Structure (INR)

Registration Fee (One Time)	1,200
Exam Fee Per Year	4,000
Yearly Tuition Fee (INR)	23,000
Alumni Fee (One Time)	1,000
Total Course Fee	83,200



Admission Process

Step-by-Step Admission



Come Grow with Us

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