



AMITY
UNIVERSITY
ODL



BACHELOR OF SCIENCE (Hons)

(Information Technology)

MODE: ODL

USA, UK & CANADA ACCREDITATIONS



CONTENTS

- 03 Message from the Director
- 04 About Amity Directorate of Distance and Online Education
- 06 About the program
- 07 Program curriculum
- 08 Program faculty
- 09 Accreditations
- 10 Amity Directorate of Distance and Online Education advantages
- 11 Alumni working at

MESSAGE FROM **DIRECTOR**



Prof. Abhinash Kumar

Director, Amity Directorate of Distance and Online Education

Amity Directorate of Distance and Online Education provides 'Anytime, Anywhere' education experience, intensive corporate interaction, industry-oriented teaching delivered by eminent corporate experts and world-class faculty.

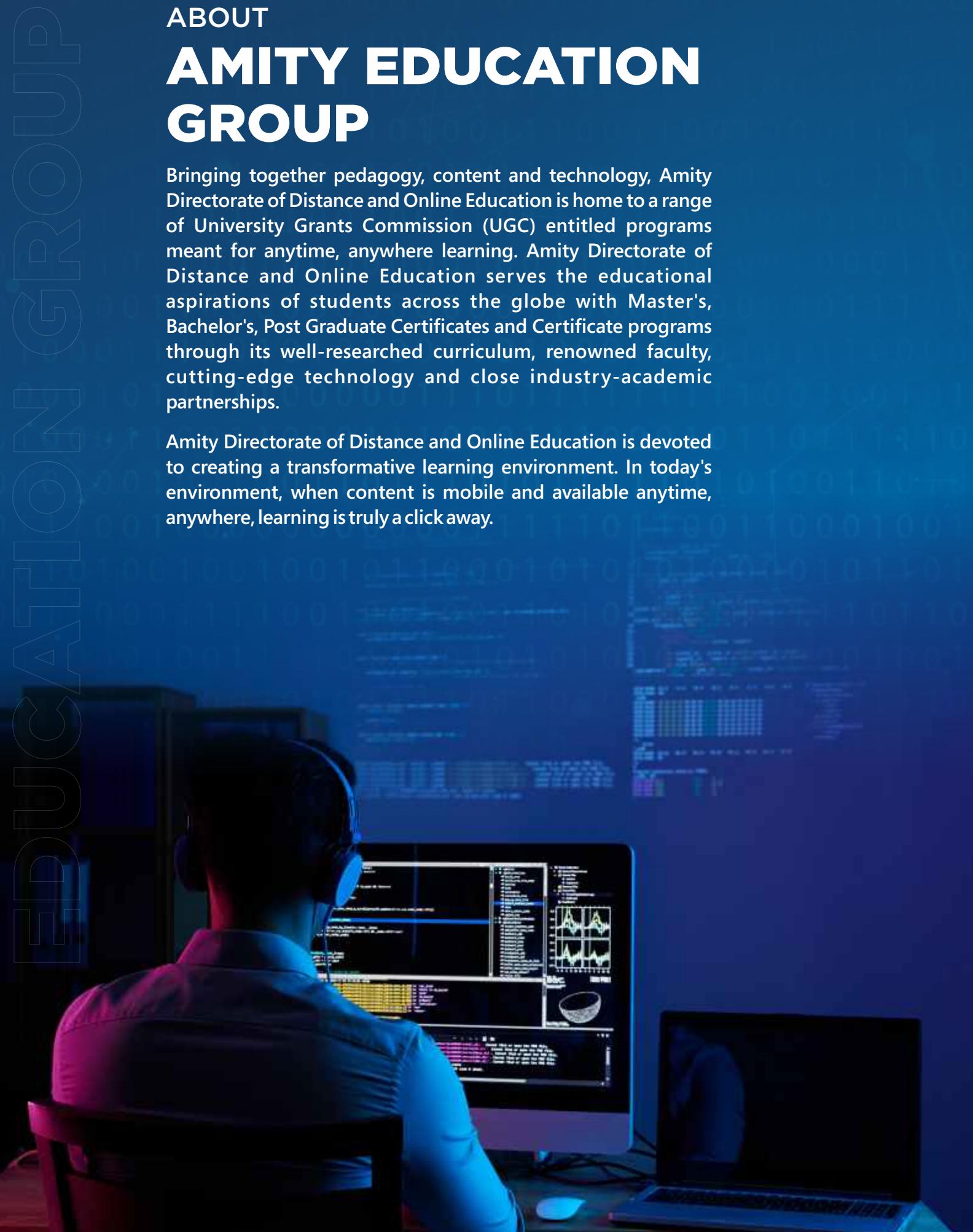
Designed to suit both graduate students and working professionals, our programs adhere to UGC's stringent criteria and we are at par with the campus programs.

ABOUT

AMITY EDUCATION GROUP

Bringing together pedagogy, content and technology, Amity Directorate of Distance and Online Education is home to a range of University Grants Commission (UGC) entitled programs meant for anytime, anywhere learning. Amity Directorate of Distance and Online Education serves the educational aspirations of students across the globe with Master's, Bachelor's, Post Graduate Certificates and Certificate programs through its well-researched curriculum, renowned faculty, cutting-edge technology and close industry-academic partnerships.

Amity Directorate of Distance and Online Education is devoted to creating a transformative learning environment. In today's environment, when content is mobile and available anytime, anywhere, learning is truly a click away.



A LEADING GLOBAL **EDUCATION GROUP**

Amity Education Group is one of the largest education groups, established over twenty years ago, offering globally benchmarked education right from pre-school to Ph.D. level with over 400 UG & PG programs across various disciplines in education.



3,35,000

Alumni Network



6,000+

Faculty



120,000

Alumni Worldwide



1,200

Acres of Campuses

UNIVERSITIES IN

- NOIDA
- GURUGRAM
- GREATER NOIDA
- JAIPUR
- MOHALI
- LUCKNOW
- MUMBAI
- GWALIOR
- RAIPUR
- KOLKATA
- RANCHI
- PATNA

INTERNATIONAL CAMPUSES IN

- LONDON
- DUBAI
- SINGAPORE
- NEW YORK
- SAN FRANCISCO
- ABU DHABI
- MAURITIUS
- SHARJAH
- SOUTH AFRICA
- AMSTERDAM
- NAIROBI
- TASHKENT

ABOUT PROGRAM

BACHELOR OF SCIENCE (Information Technology)

LEARNING EFFORTS: 12/15 HRS A WEEK

DURATION: 3 YEARS | **CREDITS:** 159

MODE: ODL with fortnightly in-campus classes

Bachelor of Science in Information Technology (B.Sc.-IT) is an undergraduate program of three years duration. Each year is divided into two semesters i.e., total 6 semesters.

This programme aims to equip graduates with the advanced tools, technologies and applications in the IT industry to meet the constantly growing requirement of IT professionals. The industry-oriented programme is designed to impart theoretical and practical knowledge on storing, processing and managing information securely.

IN CAMPUS CLASSES	CASE STUDY DISCUSSION	HANDS-ON TRAINING/ WORKSHOP	WEBINARS & SEMINARS	INDUSTRY EXPOSURE	MENTOR-MENTEE MEET
2 days on weekends every fortnight	Embedded with the Program's Timeline	In accordance with the program curriculum	Regular Industry Interaction	Embedded with the Program's Timeline	Periodic interaction with the course faculty



WHAT MAKES B.SC. IT PROGRAM AT AMITY STAND OUT?

- Allows students to study at their own pace, making it easier for working professionals or those with busy schedules to pursue their degree.
- Self-learning activities spread across discussions, quizzes, assignments, poll study, reading the study material and understanding through recorded lectures.
- Incorporates interactive tools on Learning Management system for convenient study.
- In-Campus Programming Labs for programming languages like C, SQL, Java, and Python, Android Programming etc.
- Internships and Projects to students during the course.
- Webinars, workshops and industry-collaborated hands-on training sessions on emerging technologies and trending topics.
- Access to discussion forums, and support services at any time, providing flexibility for when and how they engage with course materials.
- Evaluation methods include a combination of assignments, projects, and practical assessments, allowing students to showcase both theoretical knowledge and practical skills.
- Computer-based Online examination on the premises of Amity University, Noida Campus.
- Career counseling to help students transition smoothly from academia to the professional IT field.
- Skill Enhancing Curriculum crafted in consultation with the relevant industry experts and recruiters to enhance the skills for meeting the industry needs.

PROGRAM **CURRICULUM**

SEMESTER 1

- Global Entrepreneurship-I [Minor II - Vocational Courses /SKE courses/ Industry Specific Courses]
- Digital Circuit Design

- Basic Psychological Processes
- Problem Solving using Computers & Python Programming
- Business Communication

SEMESTER 2

- Principles of Operating Systems
- Software Engineering and Software Modelling
- Microeconomics

- Communication Skills II
- Global Entrepreneurship-II [Minor II - Vocational Courses /SKE courses/ Industry Specific Courses]

SEMESTER 3

- Fundamentals Database Management Systems
- Object Oriented Programming Using Java Language
- Business Strategy

- Individual Excellence & Social Dynamics
- Get Connecting (Minor II Vocational Course)

SEMESTER 4

- Android Programming and Web Applications for Mobile Devices
- Advanced Web Technology
- Marketing in Digital Age
- Entrepreneurship Development

- Program [Minor II - Vocational Courses /SKE courses/Industry Specific Courses]
- Creativity for Team Excellence

SEMESTER 5

- Introduction to Data Communication & Computer networks
- Analysis of Algorithms & Data Structures
- Principles of Computer Graphics
- Software Testing & Software Quality Assurance [Specialization Elective Courses-Select any 1 out of 2]

- Introduction to Data Science & Analytics [Specialization Elective Courses-Select any 1 out of 2]
- Principles of E-Commerce [Specialization Elective Courses-Select any 1 out of 2]
- Major Project I
- Professional Ethics

SEMESTER 6

- Cloud Computing and Services
- IT Project Management and Practices
- Cyber Security & Cyber Law
- Introduction to Artificial Intelligence and Robotics [Specialization Elective Courses - Select Any 1]
- Software Networks [Specialisation

- Elective Courses - Select Any 1]
- Introduction to Blockchain Technologies [Specialisation Elective Courses- Select Any 1]
 - Introduction to IoT [Specialisation Elective Courses- Select Any 1]
 - Major Project II

PROGRAM FACULTY



Dr. Sakshi Babbar

Machine Learning & AI Faculty

She is a seasoned professional in Machine Learning, Data Science, and Generative AI with 10+ years of experience. She excels in developing advanced models and leveraging AWS technologies for deep learning. Dr. Babbar's expertise extends to a diverse array of generative AI models, including ChatGPT, and leveraging open-source alternatives for creative endeavours. A skilled communicator and leader, she is committed to translating complex technical concepts into actionable insight.



Dr. Tanupreet Sabharwal

Associate Professor,
Information Technology Department, Amity University Online

She has a total teaching & research experience of 11 years. She has published various SCI, SCIE and Scopus indexed research papers in diverse high impact factor national and international journals. Her research and teaching interests include Artificial Intelligence, Machine Learning, Deep Learning, Neuro Fuzzy Systems, Natural Language Processing, Computer Vision, Data Science, Digital Image Processing, IOT and various other emerging areas in the field of Computer Science Engineering and Information Technology.



Dr. Ranjit Varma

Dy. Director
Amity University Online

He has 28+ years of experience. He has worked as Director in AKTU affiliated college, IIMT Colleges, GGSIPU affiliated Delhi Technical Campus colleges and K R Mangalam University, Gurugram in different capacities. His research interests are in Metamaterials, Microstrip Patch Antennas, Reconfigurable antennas. He has various International and National publications in renowned journals, conferences and workshops. Dr Ranjit Varma has done his Ph. D in Analysis and Design of Metamaterial inspired Microstrip Patch Antenna.



Dr. Monica Rose

Assistant Professor
Amity University Online

She is a seasoned academician with 17+ years of experience. With flair of professional trainer, she has conducted faculty development programme and workshops in Research methodology and Analytics, Exploratory factor analysis and SPSS for business managers. She has earned degree in MBA, M.C.A, M.Sc.(Comp Science) and Ph.D. She has published papers in journals and presented papers in conferences at both national and international level including IIT Delhi, IIM Shillong, IIM Indore, IIM Bodhgaya.

ELIGIBILITY CRITERIA

- Applicant must possess sufficient knowledge and understanding of English language & communication.
- Candidates whose first language is not English must have done at least past three (3) years of academic qualification under English medium.

For Students with Indian Education:

- Secondary School (10th) Certificate.
- Senior Secondary School (12th) Certificate.

ACCREDITED. RESPECTED. TRUSTED.



Programmes Recognised by Distance Education Bureau (DEB) UGC

WASC

SENIOR COLLEGE AND UNIVERSITY COMMISSION, USA

Asia's only not-for-profit university to get US regional accreditation



Association of Indian Universities



WORLD EDUCATION SERVICES

Recognised by World Education Services

THE WORLD UNIVERSITY RANKINGS

TIMES
HIGHER
EDUCATION

ADVANTAGES



Certificates at the end
of every Semester



Strong alumni
network



World-class curriculum
designed by eminent faculty
& industry professionals



Placement
drive and
career assistance



Regular seminars
& webinars by
industry leaders



Easy-to-use LMS
accessible anytime,
anywhere



Printed books
delivered at your
doorstep



Flexible payment plan
along with easily
available bank loan

ALUMNI
WORKING AT



NOKIA

paytm



MetLife

Justdial™

Google



AMERICAN
EXPRESS



Microsoft

HDFC



AMITY
UNIVERSITY
—
ODL