



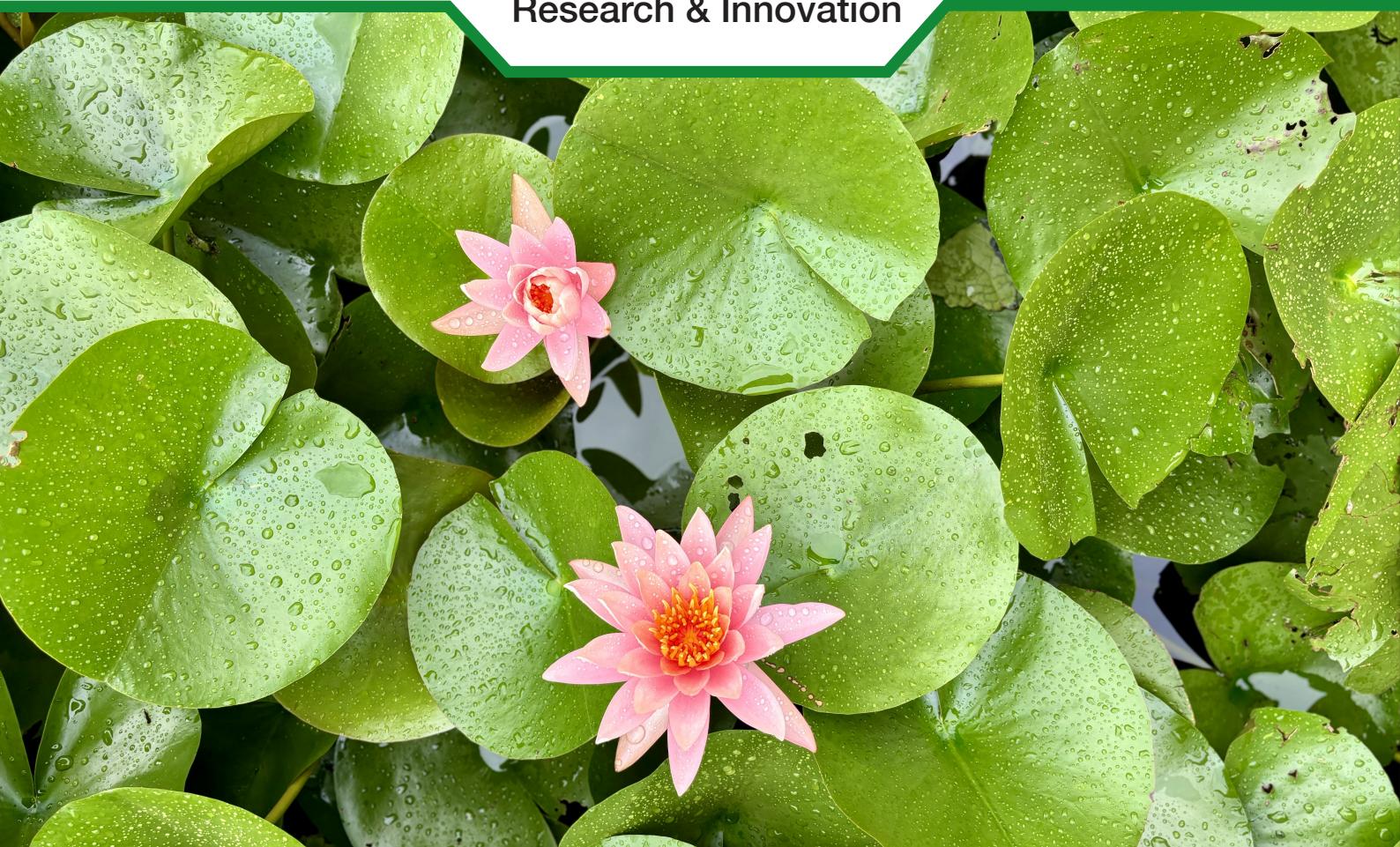
**Dhirubhai Ambani
University**

Formerly known as
Dhirubhai Ambani Institute of
Information and Communication Technology

MSc. Information Technology



Research & Innovation



Admissions 2025

DAU at a Glance

DA-IICT was founded in 2000 as a unique university devoted to the cutting-edge interdisciplinary area of Information and Communication Technology (ICT). ICT was emerging as the technology of the future bringing in the fourth Industrial Revolution. Well known and highly qualified faculty members joined DA-IICT and developed a curriculum and research program steeped in all aspects of ICT, societal, scientific, and technical. This spirit has been nurtured for the last 23 years and DA-IICT wants to continue its excellence in interdisciplinary teaching and research well into the future.

The Act No. 6 of 2003 of the Gujarat Legislature provided for the establishment of the DA-IICT and conferred on it the status of a University. On 30 November 2004, the DA-IICT was included in the list of Universities maintained by the University Grants Commission under Section 2(f) of the UGC Act, 1956. DA-IICT is a member of the Association of Indian Universities (AIU) as approved by the AIU at its 84th Annual Meeting held during 12-14 November 2009. The National Assessment and Accreditation Council, Government of India has accredited DA-IICT with an **A⁺ Grade in 2023**.

The Legislative Assembly of Gujarat passed the DA-IICT Amendment Act Bill on 28th February 2024 and the DA-IICT Act (Amendment) 2024, which paved the way for the formation of the Dhirubhai Ambani University, and came into force by the announcement in the Gujarat Government Gazette dated 13th May 2024. Consequent upon the said amendments, the institute transforms itself into a multi-disciplinary

university of new and emerging technologies and will establish institutions in other disciplines such as law, management etc.

Vision and Mission

The vision of the institute is to become a globally recognized institution that offers innovative programs, outstanding faculty, an atmosphere of innovation, a responsive administration, a vibrant campus and a collaborative learning environment that continuously adapts to the changing landscape of research and innovation and the future of work. Toward this, we plan to design and deliver academic programs in both disciplinary and multidisciplinary domains to prepare students for a rapidly evolving work environment.

Govt. of Gujarat conferred the status of **Centre of Excellence** in January 2022

NAAC (Accreditation): A+ Grade (Year- 2023)

Gujarat State Institutional Rating Framework (GSIRF) awarded **Five-Star Rating in the last three years**

Selected as one of the **Nodal Institutes to mentor Innovators** by the Industries Commissionerate, Govt. of Gujarat

Alumni who have excelled as **entrepreneurs** (founded and co-founded over 100 companies), **technocrats** (CTO, CEO), **bureaucrats** (IAS, IRS, IPS, IES), **academicians** (NUS, University of Chicago, University of Toronto, IIT Madras)

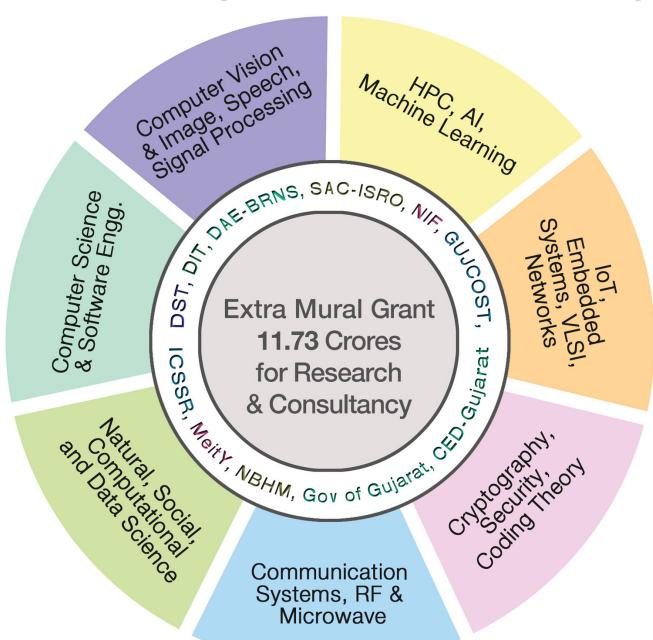
Annual Student Scholarships: INR 4-5 Crores



Academics and Research at DAU

Interdisciplinary and Multidisciplinary Research Oriented Academic Programs

Program Level	Name of the Program	Duration	Unique Features
Doctoral	PhD	4-6 years	- Entry through national level entrance test & interview
PG	MTech (ICT)	2 years	- Thesis and Project mode
	MSc (IT)	2 years	- Industry oriented IT program
	MSc (Data Science)	2 years	- Hands-on program
	MSc (Agriculture Analytics)	2 years	- In collaboration with IIRS & AAU
	MDes (CD)	2 years	- Fusion of ICT and Design
UG	BTech (ICT)	4 years	- 1 st institute in India to offer unique program in ICT in 2001
	BTech (Hons in ICT; minor in Computational Science)	4 years	- 1 st institute in India to offer UG program in Computational Science
	BTech (Mathematics and Computing (MnC))	4 years	- Intersection of Computer Science & Applied Mathematics to solve complex problems
	BTech Electronics and VLSI Design (EVD)	4 years	



Sponsored Research Projects: 32

Consortia Projects (DST, MeitY): 4

Industry / Consultancy Projects: 2

Major MOUs / LOUs

- Institut Superieur D'electronique De Paris (ISEP), Catholic University of Paris, France
- Springer Science-Business Media Singapore
- Oregon University, USA
- University of Evora, Portugal
- Texas A & M University
- University of Milano, Italy
- University of Hildesheim, Germany

Conferences/ Workshops/ Summer Schools Organized : 25

Publications: 600

h - index: 48

Program Overview

Why a M.Sc. program in IT?

MSc (IT) is an intensive program designed to build a prosperous professional career in Information Technology. The program aims to groom students to excel in a dynamic, fast-growing and highly demanding software industry - as software engineers, analysts, system designers, and team leaders. A graduate of the program will be well-educated in three crucial and complementary requirements for building a successful IT career -

1. Sound theoretical foundation
2. Ability to analyze, conceptualize and design systems
3. Fluency with modern software design and development tools

Characterization of the Program:

- A semester-long industrial internship
- Impart practical knowledge through hands-on laboratory assignments at every stage
- Build a strong theoretical foundation through continuous evaluation
- Courses taught are aligned with IT industry demands
- Learning through the latest tools and technologies

The Master of Science in Information Technology is an intensive two-year post-graduate program (4 semesters) designed for students who wish to pursue a professional career in Information Technology. **The courses are carefully designed to guide the students through basic concepts to the current practices in the industry.** The program focuses on training a student in the theoretical foundations of Information Technology, its application and implementation related aspects. The program aims to make students industry ready to take up large scale projects with their technical and

managerial skills gained while going through the process. Students will learn various aspects of programming and explore areas in information technology such as information security, designing of software systems, databases and algorithms. The students not only learn to write the code but also understand the logic and algorithm behind it. The algorithmic approach of solving real-life problems will help the students to get in-depth knowledge of the software, language and programming to make them industry-ready.

The programme offers a broad technical understanding of current and evolving technologies in the IT field such as web programming, system programming, cloud computing, DevOps, software development skills. The students who are diligent, creative and possess excellent analytical skills; and ready to take up challenging roles to build a career in the IT industry can opt for this program.

As students come from different academic backgrounds, it is important to get everybody up to speed and on the same level. To do so, we offer several foundation level courses in the first semester. In subsequent semesters, a pedagogical approach is focused on "**learn through practice**", incorporated in the form of mini-projects and case studies in addition to advanced courses. The program relies on a wide range of teaching methods including lectures, tutorials, case study analysis, lab exercises, projects as well as extras throughout the year.

Hands-on Laboratory experience is emphasized at every stage of the program. Along with the hands-on experience in the semester courses, students are required to carry out internships in two stages: One in the summer semester (8 weeks) and the other in the last semester



Program Overview

(16 weeks). Internships play a major role in accomplishing the objective of project-based reinforcement of concepts learned in various courses. The internships are designed to facilitate students' professional integration. It enables them to apply their newly acquired skills and knowledge to hands-on experience as interns within an organization. The students can carry out their internships either in industries or on-campus (under the supervision of faculty member(s)).

Program Design:

The program is designed to impart skills to students that are relevant, current and what the IT industry is looking for. The course content of this program builds a solid foundation of knowledge in the first two semesters and then lets students learn specific skills through various elective subjects. The subjects such as Enterprise Computing, Cloud Computing, Design of Software Systems help students bring their skills to a level expected of budding IT professionals.

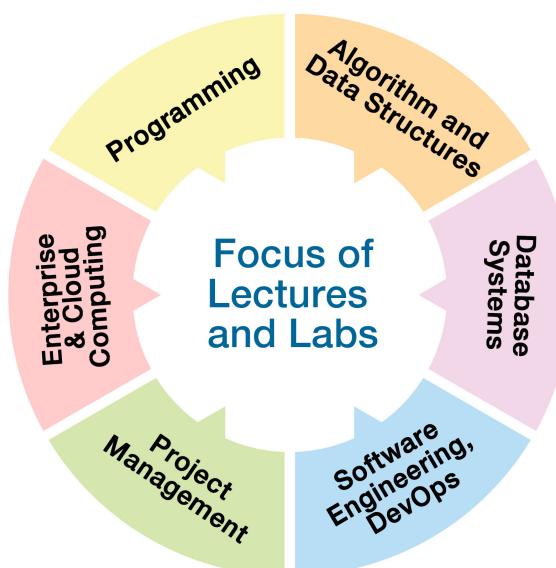
At the end of the program, it is expected that the students attain a sound theoretical foundation; an ability to analyze, conceptualize and design systems; and competence in modern software design and development tools. A typical graduate in IT at DA-IICT can expect to build a career as a software engineer, an analyst or a system designer.

- Industrial Internship**
- Hands-On Experience**
- Theoretical Foundation**
- Industry-Oriented Program**
- Latest Technologies & Frameworks**

Characterization of the Program: Algorithmic approach, Programming, Industrial Internship, Software Design and system programming, communication skill, project management, software development skills.

Uniqueness of the Program:

- Industry and practice-oriented program
- Program courses have laboratory/project components
- Continuous evaluation



Course Curriculum

Autumn Semester (Semester-I)

<u>Course Name</u>	<u>Credits (L-T-P-C)</u>
Discrete Mathematics	3-1-0-4
Introduction to Programming	3-0-2-4
Data Structures	3-0-2-4
Database Management Systems	3-0-2-4
Communication Skills	3-0-0-3

Winter Semester (Semester-II)

<u>Course Name</u>	<u>Credits (L-T-P-C)</u>
Object Oriented Programming	3-0-2-4
Introduction to Algorithms	3-0-2-4
Systems Programming	3-0-2-4
Software Engineering	3-0-2-4
Computer Networks	3-0-2-4

Summer

Summer Internship (8 Weeks)	8 credits
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Autumn Semester (Semester-III)

<u>Course Name</u>	<u>Credits (L-T-P-C)</u>
Software Design and Testing	3-0-2-4
Web Services and SoA	3-0-2-4
Web & Mobile Development	3-0-2-4
Technical Elective	3-0-2-4
Open Elective	3-0-2-3

Winter Semester (Semester-IV)

Project Internship (16 Weeks)	16 credits
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Internships

Students of this program are to take the following two internships typically taken in industry

- **Summer Internship** in the first summer semester for about eight weeks
- **Project/Industrial Internship** – Full time in Final Semester

Admissions

Total seats: 120

Eligibility Criteria

A Bachelor's degree holder from a recognized University in any stream with an aggregate of 60% marks, or its equivalent as per the norms set by the degree granting institute/university, in the qualifying degree examination is eligible to apply. Candidates appearing in their final Degree examination and expecting to complete it by July 2025 may also apply. However, their final admission will be subject to the condition that they obtain an aggregate of 60% marks, or its equivalent as per the norms set by the degree granting institute/university. All admitted candidates have to submit their degree certificates or proof of completion of Degree, before 30th October 2025 failing which their admission is liable to cancellation.

Selection Process

The selection of candidates will be based on the entrance test to be conducted at selected centres all over the country.

Important Dates

Online application website opens

18th March 2025

Last date for submission of online applications

20th May 2025

Entrance test

15th June 2025



Fees Structure*

At the time of counselling an amount of Rs. 1,50,000 (Rs. 1,25,000 towards Tuition Fee for the First Semester and Rs.25,000 towards a Caution Deposit)

- The registration fee is payable at the time of registration and hostel rent on allotment of the hostel room.

Tuition fee	Rs. 1,25,000 per Semester
Registration Fee	Rs. 2,500 per Semester
Caution Deposit	Rs. 25,000 (Refundable at the end of the program)
Hostel Rent	Rs. 35,000 per semester
Food	On actuals. There are multiple food options available in the campus (The expense will be approximately Rs.5,500 pm)

*Subject to revision every Academic Year from 8 to 10%.

Education Loan

The Institute will facilitate the students to avail educational loan from selected Banks. The bank officials will be present on campus at the time of registration of admitted students so as to enable the students to obtain details on procedures and terms and conditions of the loan. The students can also avail loan from banks of their choice and in either of the case; the Institute will extend support in completing the loan documentation process.

Financial Support

The Institute provides financial support in the form of scholarships to eligible students.

For Inquiries

Email: pg_admissions@daiict.ac.in

Voice call: 079 69 08 08 08

For more details please visit: www.daiict.ac.in