



**Dhirubhai Ambani
University**

Formerly known as
Dhirubhai Ambani Institute of
Information and Communication Technology

B.Tech.

Information & Communication Technology



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 24 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)

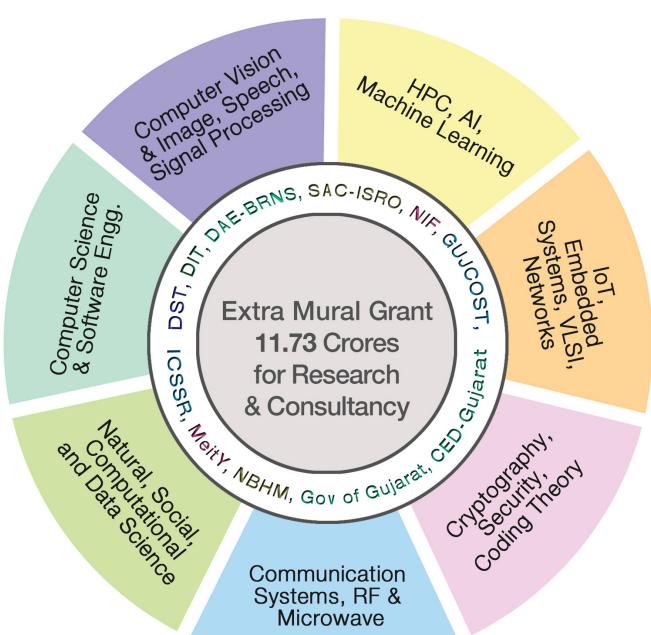
Annual Student Scholarships: INR 4-5 Crores



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
	MDes (IUxD)	2 years	- Fusion of HCI 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

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Program Overview

Why a B.Tech. program in ICT?

DA-IICT has played a pioneering role in developing innovative undergraduate programs in Information and Communication Technology (ICT) in India since 2001. A student trained in ICT is able to integrate Information Technology, Communication Technology, Electronics Engineering and Social Sciences courses with a solid grounding in Mathematics and Science, Humanities and Social Sciences, which a student trained in conventional Computer Science & Engineering or Electronics and Communication Engineering alone will not be able to do.

B.Tech. (Honours) in ICT Program: This degree will be awarded to students who complete some extra course credits in addition to all credit/course/internship/project requirements stipulated for the B.Tech. (ICT) program. These students have to complete a minimum of 15 additional credits (and a minimum of five additional courses) in the form of electives.

DA-IICT philosophy and vision

DA-IICT since its inception has been an institute of interdisciplinarity and contemporary domains. B.Tech. programs in ICT and ICT honours with minor in computational science are testimonials to this. With its experience and expertise at institutional innovation and knowledge reform, DA-IICT is well-poised to provide knowledge and training to young minds to provide solutions to the challenges mentioned earlier. The ICT embodies the convergence of Computer and Communication systems and has obtained wide acceptance as a distinct discipline. It is also expected that ICT graduates would enjoy a special niche only if they have certain performance capabilities not found in conventional CSE and/or ECE graduates. Logically this convergence takes place at the systems level, but at the same time it is necessary to accept a certain level of granularity as one goes down to the level of circuits, devices and materials. All programs are designed to operate on a semester-based framework that follows choice-based credit system.

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Program Structure

B.Tech. ICT curriculum consists of core courses, technical and open elective courses. Students will be working on Rural and Industrial internships during the program. They will be having

- **Foundational or Core Courses:** These are set of compulsory courses taken by students during first 5 semesters. These courses are from the technical areas of Computer Science and Information Technology, Electronics and Communication, as well as courses in Humanities, Mathematics and Basic Sciences.
- **Elective Courses:** These courses add to both, the technical strength and humanities and social science skills of the program. The students can choose the elective courses from the available ones from the fifth semester onwards. The elective courses are grouped into the following categories:
 - ICT Electives (ICTE)
 - Technical Electives (TE)
 - Humanities and Social Sciences Electives (HASSE)
 - Science Electives (SE)
 - Open Electives (OE)

- **Internships and BTech Projects:** Students will be working during their 3rd semester winter break for the rural internships with NGOs or government organizations. During 6th semester summer, they will be working for their Research/Industrial Internship and during the 8th semester they have BTech Project (BTP) or Industrial Training Project (ITP).
- **Co-curricular activities:** These are non-class activities like sports, cultural and technical club activities. These courses run over the first four semesters and are graded Pass/Fail.
- **Exploration Projects:** The students explore their surroundings to identify interesting problems. They formulate a design based and/or hardware based solution and turn it into a product by leveraging the introduction to ICT skills learnt in the first semester. Students are expected to work in groups of 5 to 8 under a faculty mentor over two semesters - second and third semester. This course will be graded on a Pass/Fail basis.





Course Curriculum

Semester-1

Introduction to ICT
Language and Literature
Calculus
Introduction to Programming
Programming Lab
Basic Electronic Circuits
Co-curricular Activities-1

Semester-3

Science, Technology, Society
Linear Algebra
Design and Analysis of Algorithms
Computer Systems Programming
Signal and Systems
Exploration Project-2
Co-curricular Activities-3

Semester-5

Software Engineering
Digital Communications
Computer Networks
ICTE-1
TE-1

Semester-7

BTP-1
ICTE-3
TE-4
HASSE-1
SE-2

Semester-2

Approaches to Indian Society
Discrete Mathematics
Digital Logic and Computer Organization
Data Structures
Data Structures Lab using Object Oriented Programming
Electromagnetic Theory
Exploratory Project-1
Co-curricular Activities-2

Semester-4

Principles of Economics
Probability and Statistics
Database Management System
Embedded Hardware Design
Introduction to Communication Systems
Co-curricular Activities-4

Semester-6

Environmental Science
SE-1
ICTE-2
TE-2
TE-3

Semester-8

BTP-2
OE-1
OE-2

Representative list of electives

Graph Theory and Algorithms	Human Computer Interaction	Intro to Data Science
Approximation Algorithms	Data Mining and Visualization	Introduction to Robotics
Computational Complexity	Human Computer Interaction	Introduction to Complex Network
Randomized Algorithms	Natural Language Processing	Stochastic Simulation
Quantum Computing	Natural Computing	Computational Number Theory
Introduction to Cryptography	Software Engineering	Einstein's Physics
Blockchain and Cryptocurrencies	Optimization	Operating Systems
Adversarial Machine Learning	Computational Financial	Nanoelectronics
Machine Learning and Security	Modern Algebra	Introduction to VLSI Circuits
Intro. to coding theory and Applications	Software Project Management	Analog IC Design
Compiler Design	Specification & Verification of Systems	Logic for Computer Science
Digital Image Processing	Models of Computation	Modern European Philosophy
Internet of Things	System and Network Security	Art: Ideas and Perspectives
Digital Signal Processing	No SQL Database	Human Behaviour Management
Statistical Communication	Web Data Management	Culture, Politics, Identity
Wireless System Design	Speech Technology	Organisational Behaviour
RF and Antenna Engineering	Deep Learning	Publics in South Asia: Contemporary Perspectives
Microwave Propagation	Recommendation Systems	
Control Theory	Intro. to AI	Systems, Policies and Implications



Admissions

Total Seats: 252

33% of the seats are reserved under Gujarat Category. Seats under Gujarat Category will be filled as per the guidelines of ACPC. The candidate has to apply to ACPC, GoG, separately.

Eligibility Criteria

The minimum academic qualification for admission to the programs is that the candidate must have passed or appearing in 2025 in the final examination of 10+2 (Class XII) or its equivalent with Mathematics, Physics and any one of Chemistry/Bio-technology/Computer Science/Biology.

Selection Process

Admission to the B. Tech (ICT) program will be based on the All India Rank of Joint Entrance Examination 2025 (JEE-2025) Main, which is conducted by the National Testing Agency, Government of India.

The short-listed candidates will be offered admission (confirmed/waitlisted) in order of their merit (based on the All India Ranking of JEE Main 2025) and preferences selected.

How to Apply

Candidates submit an online application by clicking on the link given on the Institute website.

Fees Structure*

Tuition Fee: Rs. 1,78,500 per Semester

*This Fee Structure is submitted to the Appellate Committee of the State Government for consideration.

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

Important Dates

Online application website opens	:	3 rd April 2025
Last date for submission of online applications	:	9 th June 2025

For Inquiries

Email: ug_admissions@daiict.ac.in | Voice call: 079 69 08 08 08

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