Late Shri Dhirubhai H Ambani
(28th December, 1932 – 6th July, 2002)
Founder President, DA-IICT
Emergence of new disciplines is an integral part of technology evolution, and as the new disciplines mature they ought to be reflected in educational programs.

Information and Communication Technology (ICT) is a recent addition to the list of engineering disciplines. An initiative in education and research in the area of ICT is centrally poised on the understanding that the technologies of electronics, communication, computing and information processing have been on a course (path) of rapid convergence, giving rise to radically new modes of carrying out socio-economic transactions.

As part of the vision of Late Shri Dhirubhai Ambani, DA-IICT represents such an initiative. The Institute has been created to act as a hub of research, and undergraduate and postgraduate education in the field of ICT. It strives to meet the needs of industry for high quality engineers, new ideas and products in ICT. The potential for growth is enormous, not only in India but also globally.

DA-IICT attracts the most talented students from all over and welcomes them all proudly.

With best wishes!

Prof S C Sahasrabudhe
Director
The idea of knowledge society demands that we understand technology as a way of life and see uncertainty as an opportunity for innovation.

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT) is a microcosm of a knowledge society. It invites every student to an intellectual adventure as professional innovators and responsible citizens.
HISTORY

DA–IICT at Gandhinagar represents Wave 4 of educational innovation in Gujarat.

The first wave was the nationalist wave and led to Gandhian experiments in education including Nai Talim. The Gujarat Vidyapith established in 1920 was a hybrid model of a university based on Gandhian principles.

The second wave led to the establishment of a whole range of educational institutions in Gujarat, mainly private colleges.

The third wave, an inspired one, was spearheaded by the industrialist Kasturbhai Lalbhai and the scientist Vikram Sarabhai and led to the establishment of a network of national institutes of international renown. A whole array of remarkable intellectuals provided leadership for these institutes.

It was in Wave 4 that the focus shifted to higher education and private participation. One of the institutes created during this period is DA–IICT. It is a Statutory University under the State Act of Gujarat. The DA–IICT was established in Gandhinagar in 2001 and was included in the list of universities maintained by the University Grants Commission (UGC) under Section 2(f) of the UGC Act, 1956. It is the only advanced institute named after the Late Shri Dhirubhai Ambani, the founder of Reliance Group.
DA-IICT seeks to invoke the wider vision of the Late Shri Dhirubhai Ambani and weave both knowledge and innovation as part of an evolving style. DA-IICT was visualized as a research driven institute embodying the vision of India as a knowledge society. It was an intellectual experiment combining the twin segments of information and communication technologies into a unified system called ICT (Information and Communication Technology). ICT is considered to be a discipline dealing with accessing, storage, processing, transmission, reception and display of information, primarily using digital systems and techniques.

This fundamental innovation combining Electronics and Communication Engineering (ECE) and Computer Sciences and Engineering (CSE) was embedded in a large matrix of inter-disciplinary subjects including Film, Animation, Design, Science and Management along with the traditional Humanities and Social Sciences. This vision, we are proud to say, goes beyond the traditional idea of Liberal Arts wedded to an engineering institute. It visualises the student as a professional and as a citizen dealing with knowledge systems at large but with core competence in ICT.
LOCATION

Gandhinagar is the capital city of Gujarat established as a modernised twin city for Ahmedabad. It was visualised as a planned city along the lines of Chandigarh. Gandhinagar is fast emerging as a knowledge city. After the establishment of an Information Technology park, DA-IICT was founded at Gandhinagar as the first node of institutional network of institutes which would transform Gandhinagar into a knowledge city. The subsequent range of institutes includes campuses of the National Institute of Fashion Technology, the National Institute of Design and the National Law School University. The knowledge city does not only constitute a knowledge network but also an ecological corridor rendering Gandhinagar into a green city. Located at the Indroda Circle, 3 kilometers from the secretariat, the Institute can be reached in about 30 minutes from Ahmedabad Airport and Railway Station.

LEGAL STATUS


On 30 November 2004, the DA-IICT as a private university was included in the list of universities maintained by the University Grants Commission under Section 2(f) of the UGC Act, 1956. The Institute is a non-affiliating university and does not receive any aid or grants from the central or state government.
The architecture of DA-IICT is functional, but what surrounds it is a fascinating garden. The entire design was oriented to preserving the environment. The different buildings are located such that there is minimum damage to trees. Most of the 2787 trees chosen are indigenous varieties. The lawn area measures roughly 50,000 square meters with 3900 square meters of wild St Augustine grass. 3400 bamboos were planted to mask the concrete. Next to the library stands the herb garden with 35 varieties of rare medicinal plants. The entire landscape was planned and developed in a manner that no excess rainwater is lost and all irrigation is carried out with recycled water. Over 30 species of birds are observed in the campus.
ACADEMIC PROGRAMS

DA-IICT aims to create a new class of engineers in Information and Communication Technology (ICT) who will be committed to a vision of excellence both as professionals and as citizens. The academic programs of the Institute, therefore, have been designed to develop students' comprehension of technology both within the broader vision of science and by providing an understanding of the business and social environment.

The main features of the academic program at DA-IICT are: inter-disciplinarity, effective combination of core and elective courses in ICT, basic sciences, humanities, arts, design, social sciences and management, project-based flexible learning and internships in rural, industrial and research environments.

In addition to the unique undergraduate program - B.Tech. (ICT) - the first of its kind in India, the Institute offers a variety of academic programs at postgraduate and doctoral levels as given below

<table>
<thead>
<tr>
<th>Name of the Program</th>
<th>Year of Commencement</th>
<th>Duration</th>
<th>Student Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 B.Tech. (Information and Communication Technology)</td>
<td>2001</td>
<td>4 years</td>
<td>240</td>
</tr>
<tr>
<td>2 M.Tech. (Information and Communication Technology)</td>
<td>2002</td>
<td>2 years</td>
<td>50</td>
</tr>
<tr>
<td>3 M.Sc. (Information Technology)</td>
<td>2002</td>
<td>2 years</td>
<td>60</td>
</tr>
<tr>
<td>4 M.Sc. (ICT in Agriculture and Rural Development)</td>
<td>2002</td>
<td>2 years</td>
<td>20</td>
</tr>
<tr>
<td>5 M.Des. (Communication Design)</td>
<td>2004</td>
<td>2 years</td>
<td>20</td>
</tr>
<tr>
<td>6 Ph.D.</td>
<td>2002</td>
<td>3–5 years</td>
<td>10</td>
</tr>
</tbody>
</table>
B.Tech. (ICT)

DA-IICT offers a unique four-year undergraduate program leading to the degree of Bachelor of Technology (Information and Communication Technology). The program aims to prepare students to either pursue a professional career immediately after graduation or to continue with postgraduate studies either in India or abroad. The B.Tech. program also enhances freedom of choice by offering a large number and variety of elective courses. Since technological courses are introduced from the very first semester, the student has the necessary background to specialise and delve deeper into specific sub-areas of knowledge within ICT in the later part of the program. Elective courses constitute the bulk of the curriculum in the third and fourth years of study. During the fourth (final) year of study, the student is required to undertake a full-length project. A special feature of the program consists of any two of the three internships of four to eight weeks during the winter/summer vacation. These internships provide an opportunity for the student to apply and practice academic concepts in real world situations. The structure of the program is under continuous review to enable it to keep pace with developments in technology, industry, and educational methodology. The minimum academic qualification for admission is 12th standard or its equivalent with Mathematics, Physics and Chemistry/Computer Science.

M.Tech. (ICT)

This program is primarily research-oriented and designed to satisfy the demands of industry for innovative solutions. Apart from course credit requirement, students are required to pursue one full year (two semesters) of research under the guidance of a faculty advisor and submit a master’s thesis in order to obtain their degree of Master of Technology (Information and Communication Technology). It is a two year degree program. The course curriculum includes a wide range of elective courses along with a few core courses. Courses on Information Technology, Communication Technology, Electronics and Computer Science and Engineering are included in the list of elective courses. This program is focused to provide a domain capability to each student that allows them to have a meaningful career in industry or academics. Financial support in the form of Teaching Assistantships or Research Assistantships is provided to majority of the students. The course is open to candidates who have obtained a four-year degree (B.Tech. / B.E. or equivalent) in an engineering discipline related to ICT.
**M.Sc. (IT)**

**Master of Science (Information Technology)** is an intensive program designed for students who wish to pursue a professional career in Information Technology. The courses have been carefully designed to guide the student through basic concepts up to current practices in industry. Hands-on laboratory experience is emphasised at every stage of the program. The students are required to carry out industry internship in the last semester of the program. At the end of this intensive two-year program, it is expected that a graduate of the program will be trained in three important and complementary skills for a successful IT career. These are a sound theoretical foundation; an ability toanalyse, conceptualise and design systems; fluency with modern software design and development tools. With these abilities, a graduate of this program can expect to build a satisfying career in the challenging field of Information Technology – as software engineer, analyst and system designer. The course is open to candidates who have obtained a degree in an engineering or science discipline.

**M.Sc. (ICT-ARD)**

**Master of Science (ICT in Agriculture and Rural Development)** aims to occupy the unique developmental niche in the field of Agriculture and sustainable development. It would interface with Information and Communication Technology through systemic constructive interventions in the field of teaching, training and active research. Foundation courses include basic training in ICT, an introduction to development studies, programs and policies in development and agriculture as well as in ICT. It also offers baskets of specialisations through elective courses. The emphasis is on covering the broadest possible range in each of the above and providing the necessary analytical tools. The course thus offers a unique career opportunity to the students that ranges from Agribusiness to Commodity Exchanges and from Research to Market Analysis. It would work towards creating catalysts that will bridge the gap between developmental issues and the ICT interface. This two-year program is open to science/engineering graduates preferably in Agriculture or Agriculture Engineering, Veterinary Science, Animal Husbandry, Dairy Science or any allied discipline.
Master in Design (Communication Design) program at DA–IICT is a two-year program. Responding to the growing need to design information products and services, this program seeks to unify concepts of communication, theories of the person and advances in computer technology into one. Usually programs in multimedia are presented as discrete modules of technique without integration. But this program seeks to embed the latest advances in technology within the philosophy of perception and cognitive psychology while providing students semiotic tools to increase aesthetic sensitivity. The courses offered seek to produce a student who blends technological acuteness with cultural sensitivity and design sensibility. Such hybridity is essential to the emerging markets of infotainment and the growing demand for new and innovative design solutions. The program aims to bring students to an understanding of both, the design and aesthetic components of Information and Communication Technology, as well as the social and cultural contexts which give it meaning and relevance. The program is open to graduates of any discipline who have at least four years of education after completion of 12th standard or equivalent.

Ph.D.

The doctoral program, which leads to the award of degree of Doctor of Philosophy provides students an opportunity to a career either in academia or in R&D. The program comprises both course work and research, with a typical duration of three to five years. The research work to be undertaken for the Ph.D. must include original contributions to the area of investigation culminating in a thesis to be submitted for the doctoral degree. The broad areas of research that are actively pursued at DA–IICT and which would be suitable for a student undertaking Ph.D. are Information and Communication Technology related areas, Science, Social Science, Humanities and Arts. Some of the specific areas could be Mobile Communication, Digital Signal Processing, Sensor Networks and Robotics, VLSI Design, Embedded Systems, ICT for Agriculture, Environment and Healthcare, Image Processing and Pattern Recognition, Computer Networks and Security including Quantum Cryptography, Artificial Intelligence, Bio-Informatics, Quantum Computing, Nanotechnology, Visual Anthropology, Science and Technology Studies, Economics, Semiotics, Sociology of Knowledge and Education, Development Studies, Cultural Studies, Anthropology of Communication and Culture, Democracy and Governance.
PEDAGOGICS

The Institute believes in a flexible and multi-dimensional approach to pedagogy. Use of technology to enhance the educational process is given its due importance. All classrooms are equipped with the latest state of the art audio visual aids to enable a variety of modes of presentation during a session. Courses with substantial theoretical content have tutorial sessions for clarification of conceptual issues and for problem-solving. Major emphasis is placed on gaining hands-on experience. Many courses have an in-built laboratory component. Furthermore, students are involved in project work, both individual and group, right from the beginning of the program. Apart from the summer internships and Degree Projects, many of the courses have a project component. In its curriculum design, DA-IICT has included a large number of elective courses, which enable students to tailor their educational experience to suit their own interests and career objectives.

DA-IICT follows a continuous evaluation system based on the concept of course credits and letter grades with grade points on a ten-point scale. Evaluation is carried out by the course instructor using an approach which is communicated to the students at the commencement of the semester. The instructor is free to use whichever modes are suitable for that particular course, including quizzes, home assignments, lab submissions, project work, and in-semester examinations. In order to provide a basis for performance comparison, the Semester Performance Index (SPI) and Cumulative Performance Index (CPI) are calculated on a ten-point scale for each student at the end of each semester. In order to graduate, the student must pass all the prescribed courses of the program with a minimum prescribed CPI.

FINANCIAL AID

DA-IICT offers merit and merit-cum-means scholarships for B.Tech.(ICT) students. In each category, up to five students are awarded scholarships equivalent to full tuition fees. For merit scholarship only the students having AIEEE All India Rank up to 2500 are considered.

Teaching Assistantships and Research Assistantships are offered to Doctoral and M.Tech.(ICT) students.
DA-IICT has emphasized interdisciplinary research right from its inception which is well reflected in its name and the academic programs. The Institute has experienced faculty with varied interests. The research philosophy for the faculty is to work on a few identified research areas focussing on technology for society. Active research is going on in communications, VLSI design, computer networks and security, sensor network, image processing and pattern recognition.

In communications, research is being carried out for the development of new circuit topologies for wireless communication and radar systems. It includes the design and development of miniaturised active integrated antennas, front-ends of wireless communication and radar systems including smart antenna systems.

In the area of VLSI design, the areas of research include CMOS digital circuit and memory designs; analog and mixed signal circuit designs (low power, high speed); rapid prototyping of digital systems using PLD’s, instrumentation systems for bio-medical signals and signal processing.

In computer networks, research is targeted on modelling, design and simulation of protocols for mobile adhoc, delay tolerant and sensor networks. Current topics include queuing network modelling of intermittent networks and use of distributed heuristic techniques like AntNet to address optimality and cross-layer issues in the networks. In the area of computer and network security, the working group’s interest includes covert channels in TCP/IP protocols, efficient implementation of encryption algorithms and copy protection for XML documents.

In the field of wireless sensor network, work is directed towards designing protocols which are energy efficient, developing localisation and routing algorithms, developing a GPS less sensor network. This has application for tracking and monitoring animals very closely.
Research on Image Processing and Pattern Recognition is carried out with a view to its utilisation for multimedia information systems, biometric authentication systems and automated medical diagnostics systems. Some of the current research topics include image super resolution using motion as queue, face recognition and digital image watermarking.

Application based research is being carried out for the development of ontology for agriculture, learning management systems for extension education, decision support systems. In the Humanities and Social Sciences, active research is conducted that broadly focuses on communication of ideas in a society and culture that is subject to transformations. Gandhian philosophy and its continuity, tribal and non-tribal societies are two major areas of interest of this group.

Individual faculty members also conduct independent research in their areas of interest as indicated in the Faculty section of this brochure.

Many of the above research ventures are application based and hence sponsored by industries or research institutions. To name a few are Department of Science & Technology, Government of India; IBM; National Board of Higher Mathematics (Department of Atomic Energy, Government of India), Naval Science Technology Lab, Vshakapattanam; DRDO, Delhi; ISRO; Wildlife Institute of India, Dehradun; Comet Technology, Bangalore. Many research projects have been taken up as part of the course requirement at undergraduate or graduate level programs.

The Institute actively participates with national and international collaborative programmes. A MoU has been signed with Wright State University, USA, and Space Application Centre (SAC), Ahmedabad. Several on-going collaborative projects are in place with international partners in UK, Japan, and France.
CONTINUING EDUCATION PROGRAM

Continuing Education Program (CEP) has been identified as one of the key areas of this Institute. Effective training in a variety of ways – content, technology, outreach, etc. is being explored to reach those interested in ICT and related areas. The clients and sponsors for these programs include academicians, institutes, industries and public and government organisations.

The Institute also provides end-to-end services in training and development of individuals and middle and senior level professionals of the corporates for knowledge transfer and skill enhancement. The service offerings comprise of training strategy formulation, training needs analysis, designing content and delivery methodology, and evaluation, in the areas of Information and Communication Technology. Open and customised programs can be offered in areas like VLSI technology, Embedded Systems, Computer Vision and Image Processing, Wireless Communications, Network Administration and Security, Linux, Database Management, Software Testing etc.
The Institute’s Resource Centre is the home for the library and information services. It is a significant partner in supporting the teaching, learning, scholarship and research activities of the Institute. With its fast growing collection, both in digital and print forms using state-of-the-art facilities, the Resource Centre is contributing to Institute’s mission of becoming a leading Institute in the areas of Information and Communication Technology and related subjects. The Resource Centre is in an independent and spacious building. It can accommodate more than 450 readers at a time.

The collection of the Resource Centre is current and compact. The collection encompasses subjects in computer science, computer engineering, electronics, communication technology, information technology, design, animation, humanities and social sciences, management and related areas. This collection includes books, conference proceedings, reference books, CD-ROMs, floppies, VCDs, DVDs, Video Cassettes etc. Resource Centre receives 217 print journals and provides access to over 4000 electronic journals on a regular basis. Resource Centre provides online access to the major digital resources which includes, ACM Digital Library, ASABE Technical Library, Computing Review, IEEE/IEE Electronic Library (IEL Library), IEEE ComSoc Online Tutorials, International Telecommunication Union–Recommendations: Online, JSTOR Collection, Lecture Notes in Computer Science Collection, Springer Online Engineering Collection and USENIX Publications and Science Direct (Computers & Communication Collections).

A separate Digital Resources Unit, Institutional Digital Repository and individual and group viewing facility through a number of computers to access the resources have been setup. The Resource Centre operations and services are fully computerised using SLIM software. A catalogue of the holdings is available 24x7 for online access on the campus network. The entire collection of books is bar-coded.

A Library Security System (3M) has also been implemented. The Resource Centre has a separate website which serves as a gateway for information services.

The Resource Centre is a member of the Indian Digital Library in Engineering Sciences & Technology, New Delhi (INDEST) and Ahmedabad Library Network (ADINET) and has established an excellent co-operative arrangement with many resourceful libraries and library networks in the country. As an active promoter of the use of resources for the benefit of the DA-IICT community, the Resource Centre has also become a member of several professional bodies, societies and associations.
DA-IICT has a modern, eco-friendly, fully networked campus with optical fibre cable connectivity between buildings. It has state-of-the-art IT infrastructure, computing and communication resources, electronic access controls and a payment system through smart cards.

The environment of the Institute – a cluster of austere structures in the midst of trees, shrubs and well-laid out lawns – provides a serene ambience to the campus. The campus has three air-cooled lecture theatres, two with a seating capacity of more than three hundred and one with a seating capacity of about two hundred and fifty, with modern audio and video presentation systems. The classrooms and tutorial rooms are equipped with latest audio-visual aids and have Internet connectivity.

The laboratory building houses state-of-the-art teaching and research laboratories for electronics, communications, computers and networks. More than 1100 computers are installed in these laboratories. Students use resources of laboratories (open until midnight) to solve problems, perform developmental experiments and work on projects guided by faculty.

The Faculty Building Complex consists of four faculty blocks, each with eighteen faculty rooms and two teaching assistants (TAs) rooms. The Administrative Block houses the offices of the Director, the Registrar and other support services.

The Sports and Cultural Complex has facilities for outdoor sports, such as cricket, football, hockey, basketball, volleyball, as well as indoor games like badminton, table tennis, chess and carom. It also has a gymnasium and a music room.

Utilities and services such as the cafeteria, food courts, ATM, medical centre, campus shop, telephone kiosk, photocopying facility, Stress Management Centre, Club House, open-air theatre are all located within the campus.
Halls of Residence

There are two Halls of Residence, one for Men and the other for Women. The Men’s hall has 8 wings labelled from A – H. Each wing has about 60 rooms. The total capacity of the 8 wings is about 900 students with two students sharing a room.

The women’s hall has 2 wings, dubbed the J and K wings, with a total capacity of 195 residents. The women’s wing has a guest room for parents of students. The lady security staff on 3 shifts ensures safety and discipline round the clock. They also assist in collecting mail for the residents and registering their complaints to be passed on to the proper maintenance personnel.

The rooms are furnished with a bed, table, swivel chair and a cupboard for each occupant. For students using their own computers in the room, internet facility is provided at a very nominal per semester charge. Hot water (using solar panels), Laundry (dhobis come to collect and deliver clothes) and TV Rooms with Dish TV are available at both halls of residence. A convenience store, Local/STD/ISD facility and student warehouse are available at the hall of residence (men).

Residence at the Halls is compulsory for all B.Tech. students. Graduate students are also provided rooms subject to availability. Ragging, gambling in any form, use of alcoholic drinks and smoking are strictly prohibited. Any violation of the hostel rules calls for harsh punitive actions including suspension/expulsion from the Institute.

Medical Facility

The Institute has a Medical Centre. There are two doctors visiting the centre at specified hours and the students can consult them without any charge. DA–IICT has arrangements with the Apollo and SAL Hospitals which allows the students to be admitted on concessional rates without advance deposit. All students are covered under the Group Mediclaim Insurance Policy and Personal Accident Insurance Policy. A cashless transaction facility has also been provided to the students under the Mediclaim scheme.
This section captures both the spirit and content of student life.

**Students committees**

Academic Committee • Annual Festival Committee • Cafeteria Committee • Cultural Committee • Hostel Management Committee • Sports Committee • Placement Committee (comprising of Student members) • Coordinating Committee (consisting of members from all of the above Committees).

**SYNAPSE** is an annual techno-cultural festival of DA-IICT, a festival of knowledge and culture that falls generally in February-March each year. It links together different knowledge networks and reinforces the significance of Innovation, Interaction, Information, Communication and Technology in the 21st century through the agencies of panel discussions, lectures, workshops, exhibitions and exciting competitive events. It serves as a meeting place for creative minds to discuss their ideas and allow for testing of their ideas in the face of intense competition, rigorous evaluations and a touch of the carnival.

The events at Synapse are designed to inspire solutions in which technology, culture, humanitarianism, and viability symbiotically coexist. The Synapse attempts to inspire creativity within the restrictions that are inevitable in any technological or cultural development.

Synapse provides a platform for technologists, designers and artists to harmonise with media in cultural contexts. This annual event creates a place where every DA-IICTian would be able to find the mutual relationship between technology and culture, and examine their reciprocity.

With systematic and generous support from the corporate community and overwhelming participation of students from all over India, it can definitely be said that the experiment was successful as the spirit of cooperation, involvement, publicity, sponsorship, innovation, creativity, fusion, rhythm, aesthetics, fun and frolic, drama, fashion – were all at their peak during Synapse 2010.
STUDENT CLUBS at DA-IICT campus are the medium to channel the bubbling creativity and enormous potential of students. The formation of all clubs is entirely initiated and conceptualised by the students under the guidance of some faculty members. In this sense all club activities are for the students, by the students and of the students. Some of the clubs that exist currently in DA-IICT, *inter alia* include the Film Club, DA-IICT Theatre Group (DTG), Prayaas, Sambhav, The Press Club, Forward Forum, Quiz Club, Martial Arts Club.

While film club provides regular entertainment to DA-IICTians in the form of screening of popular cinema, the DA-IICT Theatre Group has been motivated by the Budhan Theatre Group of Ahmedabad and is focused on producing prosceniums and street plays. Prayaas has been set up with the vision of ‘personal transformation through outreach activities’. It is involved in community service in the form of caring about people with disabilities and other problems. Sambhav is another social service group that is involved in education and rehabilitation of displaced and de-notified tribal (DNT) people, in the Ahmedabad area. The Press Club brings out an e-magazine called Entelechy, with sections ranging from global news, to DA-IICT news, to movie, book and music reviews, to poetry, technical articles and debates. Forward Forum organises lectures and other activities by eminent national and international personalities on campus. Quiz Club organizes regular quiz events on campus, and encourages students to participate in various quiz competitions around the country. Martial Arts Club has regular martial arts and yoga classes.

Apart from these non-academic and social activity clubs, few groups sound serious academic. Electronics Hobby Club (EHC), DA-IICT Linux Users Group and IEEE (Institute of Electrical and Electronics Engineers) Student Branch belong to this category. EHC is a place for playing with electronic circuits and instruments out-of-the-classroom. DLLUG has been committed to actively promote the use of Linux and other open source software for strengthening the objective of the worldwide open source movement. IEEE Student Branch provides opportunities to the students to gain relevant knowledge and learn technical skills through experts of ICT and related areas. It also organises frequent seminars and workshops on a variety of technical themes.
PLACEMENT

DA-IICT students undergo a rigorous learning process that enables them to immediately take up diverse roles in industrial organisations. Our students have been employed by both public sector and private organisations. Some of them are:


Professionally and technically our students are highly rated by these companies. Our students have also found place in research organisations such as the Centre for Development of Advanced Computing (CDAC) and the National Centre for Biological Sciences (NCBS) where they have been engaged in research work related to genetic algorithms and neuroscience respectively.

Some students pursue post graduate studies (MS, PhD and MBA) in universities such as University of Florida; North Carolina State University; University of Texas, Austin; University of Georgia; University of California, Inwin; University of Central Florida; University of Missouri Rolla; Auburn University, Alabama; University of Spain; Denmark Technology University; ISEP, France; University of Toronto; Purdue University; University of Texas; Austin; Georgia Institute of Technology; Polytechnic Institute of New York University, McGill University, University of Kansas, National Taipei University, Chalmers University of Technology IIITs, IISc.,

Many of our students also seek careers in management and join institutions of repute like IIM Ahmedabad, IIM Bangalore, IIM Calcutta, IIM Indore, IIM Lucknow, NITTE, IIT Kharagpur, IIT Delhi, IIT Bombay, FMS Delhi University, MDI Gurgaon, Indian Institute of Foreign Trade Delhi, XLRI Jamshedpur, MICA Ahmedabad. SP Jain Institute Bombay, Narsee Monjee Institute of Management Studies Bombay, NID Ahmedabad.
"We find the DA-IICT students to have the right mix of basic and advanced concepts, theoretical formalism and exposure to practical techniques, which makes them suitable in a short time for facing the rigours of customer projects. The students in general and graduate students in particular display the right aptitude for learning by facing challenging problems."
—MindTree Consulting

"Students from DA-IICT have a significant exposure to projects and technologies which are current to the IT industry. Their curriculum in the Campus provides them an edge over students from other Institutes. In addition their self-learning spirit is a definite differentiator."
—InterraIT

"Continuous enhancement of curriculum is a one of the hallmark of DA-IICT; this has helped produce top class engineers prepared with latest technology knowledge from the institute. We at Persistent Systems are particularly impressed by institute’s commitment towards learning and excellence; this has equipped graduates with a clear understanding of leading-edge technologies, software development methodologies and design. Persistent Systems looks forward to a mutually fruitful relationship with DA-IICT for a long time to come."
—Persistent

"... DA-IICT has a unique curriculum and the institute justifies its existence by producing exceptional people with expertise in telecom and communication domain. Hats off to Dhirubhai Ambani’s vision who realized quite early, that engineers with such functional domain would be the need of time in coming in years in India."
—HP

"We find the students at DA-IICT very enthusiastic, curious and technically sound. The variety of projects and thesis done by individuals, help to groom them to work on real life projects. The ambience of the institute helps students to be creative and innovative. The students gel well with the work environment of TCS by their hard work and rigor, which ultimately helps us to move smoothly towards our goals."
—TCS
1. Shri Anil D Ambani, Chairman, Reliance ADA Group, Mumbai
2. Shri Satish Seth, Group Managing Director, Reliance ADA Group, Mumbai
3. Shri Amitabh Jhunjhunwala, Group Managing Director, Reliance ADA Group, Mumbai
4. Shri Gautam Doshi, Group Managing Director, Reliance ADA Group, Mumbai
5. Shri N K Mangla, President, Reliance Communications Limited, Mumbai
6. Shri K Narayan, Management Consultant, Reliance ADAG, Mumbai
7. Shri Suresh Rangachar, President, Reliance Communications Limited, Mumbai
8. Shri Vinay Gupta, Consultant, Reliance Communications Limited, Mumbai
9. Shri Dharmendra Bhandari, Director, Harmony for Silvers Foundation, Mumbai
10. Prof Sanjay Dhande, Director, IIT Kanpur, Kanpur
11. Prof Ashok Jhunjhunwala, Professor, Dept. of Electrical Engineering, IIT Madras, Chennai
12. Shri Hasmukh Adhia, IAS, Principal Secretary (Higher & Tech. Edu.) Government of Gujarat, Gandhinagar
13. Shri Ravi Saxena, IAS, Principal Secretary, Dept. of Science & Technology, Government of Gujarat, Gandhinagar
14. Prof S C Sahasrabudhe, Director, DA-IICT, Gandhinagar
15. Prof Samraresh Chatterji, Dean (Academic Programs), DA-IICT, Gandhinagar
16. Shri P K Chopra, Executive Registrar, DA-IICT, Gandhinagar
ACADEMIC COUNCIL

Prof S C Sahasrabudhe
Director, DA–IICT

1. Prof S C Sahasrabudhe
   Chairman
   Director
   DA–IICT, Gandhinagar

2. Shri Suresh Rangachar
   President
   Reliance Communications Limited,
   Mumbai

3. Prof Surendra Prasad
   Member
   Director
   Indian Institute of Technology
   New Delhi

4. Dr R R Navalgund
   Member
   Director
   Space Application Centre, Ahmedabad

5. Shri K Narayan
   Member
   Management Consultant
   Reliance ADAG, Mumbai

6. Prof Samaresh Chatterji
   Member
   Dean (Academic Programs)
   DA–IICT, Gandhinagar

7. Prof V P Sinha
   Member
   Professor
   DA–IICT, Gandhinagar

8. Prof Ganesh Devy
   Member
   Professor
   DA–IICT, Gandhinagar

9. Prof Ashok Amin
   Member
   Professor
   DA–IICT, Gandhinagar

10. Shri P K Chopra
    Non–Member Secretary
    Executive Registrar
    DA–IICT, Gandhinagar

FINANCE COMMITTEE

1. Prof S C Sahasrabudhe
   Chairman
   Director
   DA–IICT, Gandhinagar

2. Shri K Narayan
   Member
   Management Consultant
   Reliance ADAG, Mumbai

3. Shri Surendra Pipara
   Member
   Reliance Centre
   Mumbai

4. Prof Samaresh Chatterji
   Member
   Dean (Academic Programs)
   DA–IICT, Gandhinagar

5. Shri P K Chopra
   Non–Member Secretary
   Executive Registrar
   DA–IICT, Gandhinagar
S C Sahasrabudhe  
**Director Ph.D. (Communication/Signal Processing, Leningrad University, USSR)**  
| Areas of interest: Communications, Signal and Image Processing and Microprocessor Applications.

Abhinay Pandya  
**M.Tech. (Information Technology, IIT Bombay)**  
| Areas of interest: Statistical Natural Language Processing, Biomedical Informatics and Machine Learning.

Alka Parikh  
**Ph.D. (Development Economics, Cornell University)**  
| Areas of interest: Development Economics, Agricultural Economics.

Anil Roy  
**Ph.D. (Physics, IIT Delhi)**  
| Areas of interest: Fibre Optics and Optical Communication, Quantum Optics, Nanotechnology, Semiconductor devices, ICT Applications in Rural Development.

Anish Mathuria  
**Ph.D. (Computer Science, University of Wollongong, Australia)**  
| Areas of interest: Computer Security.

Asim Banerjee  
**Ph.D. (Electrical Engineering, IIT Bombay)**  

Ashok Amin  
**Ph.D. (Electrical Engineering, Northwestern University, USA)**  
| Areas of interest: Graph Algorithms, Network Reliability, Program Complexity, Models of Diagnosable Systems.

B. N. Hiremath  
**Ph.D. (Agricultural Economics, University of Kentucky, USA)**  
| Areas of interest: Sustainable rural livelihoods, e-governance.

Binita Desai  
**BFA (MS University), Animation (National Institute of Design, Ahmedabad)**  
| Areas of interest: Animation, Communication Design and Multimedia.

Chakka Vijaykumar  
**Ph.D. (Communication Engineering, NIT Tichy)**  

Chetan D Parikh  
**Ph.D. (Electrical Engineering, University of Florida, Gainesville, USA)**  
| Areas of interest: Analog and mixed-signal VLSI design & synthesis, Semiconductor Device Simulation/Modelling, ICT & Rural development.
Deepak Ghodgaonkar Ph.D. (Electrical Engineering, University of Utah, USA) | Areas of interest: RF and Microwave Engineering, Microwave Sensors, Microwave Instrumentation, Microwave characterization of composite materials, Biomedical applications of microwaves, Electromagnetic imaging of complex dielectric bodies and Wireless data communications.

Dipankar Nagchoudhuri Ph.D. (Electrical Engineering, Michigan State University, USA) | Areas of interest: VLSI Design, CMOS Circuits and Technology, Biomedical Signal Processing Chip Design.

Ganesh Devy Ph.D. (English, Shivaji University, Kolhapur) | Areas of interest: Comparative Literature and Cultural Studies.


Hrishikesh Venkataraman Ph.D. (Wireless Communication, Jacobs University, Germany) | Areas of interest: Baseband and cross-layer design for next generation wireless system architecture.

Jaideep Mulherkar Ph.D. (Mathematics, University of California Davis, USA) | Areas of interest: Mathematical physics, quantum computation.

Laxminarayana Pillutla Ph.D. (Electrical Engineering, University of British Columbia, Canada) | Areas of interest: Cognitive radio, cross layer design of wireless networks.

Madhumita Mazumdar Ph.D. (Modern History, University of Calcutta, Calcutta) | Area of interests: Social history of Science, Technology and Medicine in India, cultures of communication and the media.


Manish K Gupta Ph.D. (Mathematics, IIT Kanpur) | Area of interest: Information processing in Biology, Biomolecular (DNA, Membrane, Cell) computing, Coding and Information theory, Cryptology, Quantum computing, Computational, Structural and Systems Biology and Bioinformatics.


Mukesh Tiwari  Ph.D. (Optical Science & Engineering, University of New Mexico, USA) | Areas of interest: Statistical physics, non linear dynamics, quantum transport.

Prabhat Ranjan  Ph.D. (Physics, University of California, Berkeley, USA) | Areas of interest: Wireless Sensor Network, Robotics and Embedded systems. Nuclear fusion, Linux operating system.

Prasenjit Majumder  Ph. D. (Computer Science, Jadavpur University, Kolkata) | Areas of interest: Information retrieval, natural language processing.

Radha Parikh  Ph.D. (Special Education, University of Missouri, Columbia) | Areas of interest: Communication, Value Education, Constructivist approach to Teaching & Learning, Technology in Education (e-learning).


Rahul Muthu  Ph.D. (Computer Science, Homi Bhabha National Institute, Mumbai) | Areas of interest: Graph Theory and Algorithms.

Samaresh Chatterji  Ph.D. (Mathematics, Wayne State University, USA) | Areas of interest: Algebra, Discrete Mathematics, Computer Simulation and Applications.

Samrat Mondal  PhD (Information Technology, IIT Kharagpur) | Areas of interest: System security, database system, formal verification.

Sanjay Srivastava Ph.D. (Physics, University of California, Los Angeles, USA) | Areas of interest: Computer Networks: Protocol modelling, Simulation.

Sanjeev Gupta Ph.D. (Communication Engineering, Queen's University of Belfast, UK) | Areas of interest: Smart Antennas, Communication and Radar Systems, RF/Microwave Applications.

Shiv Visvanathan Ph.D. (Sociology, Delhi University) | Areas of interest: Sociology of Science and Technology, Violence and Globalisation, Corruption, Sociology of Disasters, Culture and Communication, Futures.

Srikrishnan Divakaran Ph.D. (Computer Science, Rutgers University, USA) | Areas of interest: Design and Analysis of Algorithms for Problems in Bioinformatics, Machine Scheduling and Distributed Systems.

Subhajit Sen Ph.D. (Analog VLSI Design, University of Waterloo, Canada) | Areas of interest: Analog and RF microelectronic circuit design.


Sushanta Kumar Mandal Ph.D. (Information Technology, IIT Kharagpur) | Areas of interest: VLSI design, modeling and optimization of active and passive devices, design, optimization and synthesis of analog and RF ICs, behavioral modeling and high level synthesis for analog and mixed signal circuits.

Tridip Suhrud Ph.D. (Political Science, Gujarat University) | Areas of interest: Life and thought of Mahatma Gandhi, 19th Century Social and Literary Thought.


Visiting Faculty

Aditi Nath Sarkar M.A. (South Asian Languages and Civilizations, University of Chicago, USA)  |  Areas of interest: Literature, religion, cultural history.


Girja Sharan Ph.D. (Agricultural and Biological Engineering, Cornell University, USA)  |  Areas of interest: Modelling and simulation of agricultural systems, precision farming.

Pokhar Mal Jat M.Tech. (Mechanical Engineering, IIT Delhi)  |  Areas of interest: Databases, software design, semantic web

P. Sumathi Ph.D. (Electrical Engineering, IIT Madras)  |  Areas of interest: Control and signal processing algorithms.

S. Sethuraman PG (Product Design, NID, Ahmedabad)  |  Areas of interest: Cognitive ergonomics, interaction design, design for the elderly.