Dhirubhai H Ambani
(28th December, 1932 – 6th July, 2002)
Founder President, DA-IICT
Information and Communication Technology (ICT) is a very 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.

I appreciate your interest in choosing a career path in the area of ICT, and in considering DA-IICT as the starting point.

I wish you every success.

Prof S C Sahasrabudhe
Director, DA-IICT
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.
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 when focus shifted to higher education and private participation. One of the institutes created during this period is DA-IICT. It is a University under the State Act of Gujarat. The DA-IICT was established in Gandhinagar in 2001. 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 visualizes the student as a professional and as a citizen dealing with knowledge systems at large but with a core competence in ICT.
Gandhinagar is the capital city of Gujarat established as a modernized 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 kilometres from the secretariat, the Institute can be reached in about 30 minutes from Ahmedabad Airport and Railway Station.


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 other financial assistance 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.
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 (approx)</th>
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<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. (Multimedia)</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>
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</table>
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 specialize 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 10+2 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. / BE or equivalent) in an engineering discipline related to ICT.
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 emphasized 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 to analyse, 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 in Agriculture and Rural Development)

This program 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 specializations 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 Agri-business 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 students who have obtained a Bachelor’s degree in Agriculture or Agriculture Engineering, Veterinary Science, Animal Husbandry, Dairy Science or any allied discipline.
Master in Design (Multimedia) program at DA-IICT is a two-year program. Responding to the growing need to design information products and services. This multimedia 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 10+2 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.
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.

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 focusing 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, copy protection for XML documents.

In the field of wireless sensor network, work is directed towards designing protocols which are energy efficient, developing localization 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 utilization 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, Vishakapatnam; 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.
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 organizations.

The Institute also provides end-to-end services in training and development of the 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 customized programs can be offered in the 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 the state-of-the-art facilities, the Resource Centre is contributing to the 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, floppydisks, VCDs, DVDs, Video Cassettes etc. Resource Centre receives 215 print journals and provides access to over 3000 electronic journals on 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 number of computers to access the resources have been setup. The Resource Centre operations and services are fully computerized 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 the 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 1000 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 carrom. 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, Sports and Cultural Complex, 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 advanced 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)
- Coordination Committee (consisting of members from all of the above Committees).

**SYNAPSE** is 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 creates a platform for technologists to harmonize with media and design in cultural contexts. It is thus an invitation to artists and designers to experiment with technology.

Synapse 2005 was the first experiment with this idea of a composite festival, with events ranging from areas such as Networks and Software to Theatre and Rock Competitions. The idea was to find a place where we would be able to map 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 the peak during Synapse 2009.
**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 proseniums 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 organizes 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. DLUG 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 organizes frequent seminars and workshops on a variety of technical themes.
DA-IICT students undergo a rigorous learning process that enables them to immediately take up diverse roles in industrial organizations. The first post-graduate batch graduated in 2004 and the first under-graduate batch in 2005. Our students have been employed by both public sector and private organizations. Some of them are:


Professionally and technically our students are highly rated by these companies. Our students have also found place in research organizations 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, Irwin; 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; IITs, 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, NITIE, IIT Kharagpur, IIT Delhi, IIT Bombay, FMS Delhi University, MDI Gurgaon, Indina 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-IIICT; 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

“...DAIICT 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
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<tr>
<th></th>
<th>Name</th>
<th>Position and Affiliation</th>
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<tbody>
<tr>
<td>1</td>
<td>Shri Anil D Ambani</td>
<td>Chairman Reliance ADAG, Mumbai</td>
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<tr>
<td>2</td>
<td>Shri Satish Seth</td>
<td>Vice Chairman Reliance Energy Limited, Mumbai</td>
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<td>3</td>
<td>Shri Amitabh Jhunjhunwala</td>
<td>Director Reliance Capital Limited, Mumbai</td>
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<td>4</td>
<td>Shri Gautam Doshi</td>
<td>Group President Reliance Communications Limited, Mumbai</td>
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<td>5</td>
<td>Shri N K Mangla</td>
<td>Ex-Director (Operations) BSNL, New Delhi</td>
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<td>6</td>
<td>Shri K Narayan</td>
<td>Management Consultant Reliance ADAG, Mumbai</td>
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<td>7</td>
<td>Shri Suresh Rangachar</td>
<td>President Reliance Communications Limited, Mumbai</td>
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<td>8</td>
<td>Shri Vinay Gupta</td>
<td>Consultant Reliance Communications Limited, Mumbai</td>
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<td>9</td>
<td>Shri Dharmendra Bhandari</td>
<td>Director Harmony for Silvers Foundation, Mumbai</td>
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<td>10</td>
<td>Prof Sanjay Dhande</td>
<td>Director IIT Kanpur, Kanpur</td>
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<td>11</td>
<td>Prof Ashok Jhunjhunwala</td>
<td>Professor, Dept. of Electrical Engineering, IIT Madras, Chennai</td>
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<td>12</td>
<td>Shri Hasmukh Adhia, IAS</td>
<td>Principal Secretary (Higher &amp; Tech. Edu.) Government of Gujarat, Gandhinagar</td>
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<tr>
<td>13</td>
<td>Shri Raj Kumar, IAS</td>
<td>Secretary, Dept. of Science &amp; Technology Government of Gujarat, Gandhinagar</td>
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<tr>
<td>14</td>
<td>Prof S C Sahasrabudhe</td>
<td>Director DA–IICT, Gandhinagar</td>
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<tr>
<td>15</td>
<td>Prof Samaresh Chatterji</td>
<td>Dean (Academic Programs) DA–IICT, Gandhinagar</td>
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<tr>
<td>16</td>
<td>Shri P K Chopra</td>
<td>Executive Registrar (I/c) DA–IICT, Gandhinagar</td>
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## ACADEMIC COUNCIL

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<tr>
<th>No.</th>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
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<tr>
<td>1</td>
<td>Prof S C Sahasrabudhe</td>
<td>Director</td>
<td>DA-IICT, Gandhinagar</td>
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<td></td>
<td></td>
<td>Chairman</td>
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<td>2</td>
<td>Shri Suresh Rangachar</td>
<td>Member</td>
<td>DAKC, Navi Mumbai</td>
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<td>3</td>
<td>Prof Surendra Prasad</td>
<td>Member</td>
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<td>New Delhi</td>
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<td>4</td>
<td>Dr R R Navalgund</td>
<td>Member</td>
<td>Director</td>
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<td>Space Application Centre, Ahmedabad</td>
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<td>5</td>
<td>Shri K Narayan</td>
<td>Member</td>
<td>Management Consultant</td>
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<td>Reliance ADAG, Mumbai</td>
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<td>6</td>
<td>Prof Samaresh Chatterji</td>
<td>Member</td>
<td>Dean (Academic Programs)</td>
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<td>7</td>
<td>Prof V P Sinha</td>
<td>Member</td>
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<td>8</td>
<td>Prof N D Jotwani</td>
<td>Member</td>
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<td>9</td>
<td>Prof Ganesh Devy</td>
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<td>10</td>
<td>Prof Ashok Amin</td>
<td>Member</td>
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<td>11</td>
<td>Shri P K Chopra</td>
<td>Non-Member Secretary</td>
<td>Executive Registrar (I/c)</td>
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## FINANCE COMMITTEE

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<tr>
<td>3</td>
<td>Shri Surendra Pipara</td>
<td>Member</td>
<td>Reliance Centre</td>
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<td>DA-IICT, Gandhinagar</td>
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</tbody>
</table>
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.

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

C Vijaykumar Ph.D. (Communication Engineering, REC Tiruchirapalli)

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.

**Gautam Dutta** Ph.D. (Physics, Physical Research Laboratory, Ahmedabad)  

**Heman Patil** Ph.D (Signal Processing, IIT Kharagpur)  
Areas of interest: Speaker recognition and wavelet signal processing.

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

**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.

**Manik Lal Das** Ph.D. (Information Technology, IIT Bombay)  

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

**Manoj Kumar Raut** Ph.D. (Mathematics, IIT Madras)  
Areas of interest: Combining Decision Procedures, Theorem Proving, Knowledge Representation and Reasoning, Logic.

**Manjunath V Joshi** Ph.D. (Electrical Engineering, IIT Bombay)  
Minal Bhise  M.E. (Software Systems, BITS Pilani)  
Areas of interest: Semantic Web Domain Modelling, Databases, Information Storage and Retrieval, Software System Analysis and Design.

Naresh D Jotwani  Ph.D. (Computer Science, Rice University, USA)  
Areas of interest: Computer science, computer networks, language, learning and communication.

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.

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 Dubey  Ph.D. (Electrical Engineering, IIT Roorkee)  

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

R B Lenin  Ph.D. (Mathematics, IIT Madras)  

Rakesh Shukla  Ph.D. (Software Engineering, The University of Queensland, Australia)  

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

Sanjay Chaudhary  Ph.D. (Computer Science, Gujarat Vidyapith, Ahmedabad)  
Areas of interest: Distributed Computing, Service Oriented Architecture and ICT Applications in Agriculture.
Sanjay Srivastava  Ph.D. (Physics, University of California, Los Angeles, USA)  

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.

Suman Kumar Mitra  Ph.D. (Computer Science, ISI Calcutta)  
Areas of interest: Image Processing, Pattern Recognition, Fractal, Bayesian Network and Digital Image Watermarking.

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.

V Sunitha  Ph.D. (Mathematics, IIT Madras)  

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

V P Sinha  Ph.D. (Electrical Engineering, University of London, UK)  

Vishvajit Pandya  Ph.D. (Anthropology, University of Chicago, USA)  
Areas of interest: Material Culture, Design and Communication Culture, Visual Anthropology, Rituals and History with specific reference to Colonialism.
Visiting Faculty

**Aditi Nath Sarkar**  M.A. (South Asian Languages and Civilizations, University of Chicago, Illinois, USA)
Areas of interest: Literature, Religious, Cultural History; South Asian Civilization Studies.

**Pokhar Mal Jat**  M.Tech. (Mechanical Engineering, IIT Delhi)
Area of interest: Databases, Software Design and Semantic Web

**Susanta Kumar Mandal**  M.S. (Electrical Engineering, 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.

Adjunct Faculty

**F Khushru**  MCA (Gujarat University)

**Jignasu Yagnik**  MBA (Strategic Management)

**Mansukh Savaliya**  M.E. (Microprocessor, MS University, Gujarat)
Areas of interest: Image Processing

**Nandini Banerjee**  M.Phil., Ph.D. (R D University, Jabalpur)
Areas of interest: Economics and General Management

**Naval K Bhargava**  PGDM (Marketing & Finance, IIM Calcutta)
Areas of interest: Marketing and Finance.

**Nikhil Raval**  MBA (Strategic Management, California State University, USA)
Areas of interest: Strategy and Finance.

**Nitin Raje**  Ph.D. (Advanced Building Systems and Diagnostic, Carnegie Mellon University, Pittsburgh, USA)
Areas of interest: Image Processing and GIS Software.

**Sunita Jha**  M.Tech. (Biochemical Engineering & Biotechnology, IIT Delhi)
Areas of interest: Biochemistry and Biotechnology

**V B Sheorey**  Ph.D. (Physics, London University, UK)
Areas of interest: Theoretical Atomic and Molecular Physics.

**Vinod S Dumra**  B.E. (Mechanical Engineering, Jadavpur University, Calcutta)
Areas of interest: Marketing.

**Vishnu Varshney**  MS (Electrical Engineering) and MBA (Finance, Louisiana University, USA)
Areas of interest: Finance and Strategy