ANNUAL REPORT
2015 2016
August 2015 – July 2016
Shri. Dhirubhai Hirachand Ambani
(28th December, 1932 – 6th July, 2002)
Founder Chairman, Reliance Group
Founder Chairman, DA-IICT
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2. Theses, Projects and Reports
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President
Shri Anil D. Ambani Chairman, Reliance ADA Group, Mumbai

Members
Prof. R. Natarajan Former Chairman, All India Council for Technical Education and former Director, Indian Institute of Technology Madras, Chennai
Prof. B. S. Sonde Former Professor, Indian Institute of Science, Bengaluru and former Vice Chancellor, Goa University
Prof. D. Narasimha Reddy Chairman, Recruitment & Assessment Centre, Defence Research and Development Organisation, Government of India, New Delhi
Prof. R. Nagaraj Director, DA-IICT, Gandhinagar
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Shri Dhananjay Dwivedi Secretary, Department of Science and Technology, Government of Gujarat, Gandhinagar
Shri Suresh Rangachar Dhirubhai Ambani Institute of Information and Communication Technology Society, Mumbai
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Shri N. K. Mangla Reliance Communications Limited, Mumbai
Shri Gurdeep Singh Reliance Communications Limited, Mumbai
Shri Shrenik Vaishnav Reliance Communications Limited, Mumbai
Prof. Suman Kumar Mitra Dean (Academic Programs), DA-IICT, Gandhinagar
Prof. Anish Mathuria Dean (Research & Development), DA-IICT, Gandhinagar

Secretary
Shri Soman Nair Executive Registrar, DA-IICT, Gandhinagar
This report covering the academic year 2015-16 is a notable one. The period marks the first year of implementation of the Institute’s Strategic Plan 2015-16, the preparation of which involved all the stakeholders. The launching of the Plan began in the middle of the year in a modest way touching upon the planned renovation and up-gradation of campus buildings, strengthening the ICT infrastructure, academic rigour, human resources and external connect and collaborations aiming at developing a distinct research culture among the faculty and students and enhancing the quality and profile of our graduates.

DA-IICT continued to receive research projects and sponsorship for research conferences and workshops, trainings from the Central and State Governments. The faculty and students research and publications have shown an all-round rise. The Institute attracted the top ranking students to its teaching programs. The Institute has created a niche by conducting a course on Neural Networks for BTech and MTech students with faculty from Nanyang Technical University, Singapore.

I am indebted for the guidance and support I have received from Reliance ADA Group, Board of Governors, faculty and staff in managing the affairs of the Institute. As we move forwards with our Strategic Plan, we are well placed to achieve the vision of our founders as an Institute of innovation and excellence.

R. Nagaraj
Director
About the Institute

THE INSTITUTE

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar was founded in 2001 by the legendary visionary, Shri Dhirubhai Hirachand Ambani with a vision ‘to help build a knowledge-led society founded on intellectual competitiveness for global leadership.’ Set up as a Society under the Societies Registration Act, 1850 and Bombay Public Trust Act, 1950, an Act of the Gujarat State Legislature conferred upon DA-IICT the status of a University in 2003. The University Grants Commission (UGC) has included DA-IICT in the list of Universities maintained by the UGC under Section 2(f) of the UGC Act, 1956. DA-IICT became a member of the Association of Indian Universities (AIU) in 2009. DA-IICT is managed by a Board of Governors chaired by Shri Anil Ambani, Chairman, Reliance ADA Group with visionaries and leaders from academia, industry and government as its members.

DA-IICT launched its first undergraduate program, BTech (Information and Communication Technology) -- the first of its kind in India in 2002. In 2013, the second undergraduate program -- BTech (Hons.) in ICT with Computational Science as minor was designed and offered. Besides these undergraduate programs, DA-IICT offers five postgraduate programs including a doctoral program. These programs are designed to develop students’ comprehension of technology both within the broader vision of science and understanding of the business and social environment. DA-IICT have graduated over 4200 ICT engineers, design professionals, agriculture and rural development professionals and doctoral scholars since its inception and they occupy prominent positions in industry, civil society organizations and academia and also as successful entrepreneurs. The high-end continuing education programs in Information and Communication Technology and allied areas offered by DA-IICT have been recognized as appropriate training programs to upgrade the skills and competence of industry professionals, government officials and defence service men.

DA-IICT places great importance on recruiting highly qualified and research-oriented faculty. The faculty members have authored quality books and research articles that have been internationally recognized. They have attracted a large number of sponsored projects, including collaborative projects with academic institutions in UK, France, Spain and Japan, with funding from government bodies such as DST and DIT. The Institute also has research funding from industry for supporting PhD research scholars. The Institute houses a government supported Incubation Center to nurture and develop business ideas based on new technology.

At the invitation of the Government of Gujarat, DA-IICT is mentoring the new Indian Institute of Information Technology, Vadodara (IIIT-V) set up under Public-Private Partnership mode, which started admitting students from the academic year 2013-14.

The Institute has enviable state-of-art infrastructure to support teaching and research which includes well-stocked Library, Electronics and Digital Science Laboratories supported by an array of state of the computer studios with continuously upgraded hardware and software to aid learning and research. The other facilities are three lecture theatres – two with 350 and one with 250 seating capacities, classrooms and laboratories equipped with modern audio and video presentation systems and high speed internet connectivity. The spacious outdoor and indoor sports complexes, gymnasium, cultural, literary and other events enrich the students’ life on the campus. The architecture of the campus buildings consisting of administrative complex, faculty block, furnished hostels with wireless internet connectivity, several food courts, dining halls and the landscape are such that the students living are contented.

DA-IICT is spread over 50 acres of land in Gandhinagar, Capital City of Gujarat. Eighty percent of land is open space reserved for green cover and
garden, making it an environment friendly campus. The campus houses around 1500 students.

In the short span of 16 years, DA-IICT has become a name synonymous with quality education and research in ICT domain and we are committed to provide the leadership role through constant innovation in programs, curriculum, and pedagogy.

GANDHINAGAR
Gandhinagar, the capital of Gujarat, lies on the west bank of the Sabarmati River, about 30 kilometres away from Ahmedabad. The city is divided into thirty sectors and each sector has its own civic and educational amenities. After setting up an Information Technology park (Info-City), DA-IICT was founded as the first node of the institutional concentration. The subsequent range of institutes are campuses of the Indian Institute of Technology, National Institute of Design, Pandit Deendayal Petroleum University, Central University of Gujarat, Gujarat Forensic Sciences University, Institute for Plasma Research, Entrepreneurship Development Institute, Gujarat National Law University and National Institute of Fashion Technology. Another emerging institution is the Gujarat International Finance Tec-City (GIFT City) aimed to tap the potential of India’s financial services by offering global firms a world class infrastructure and facilities. All these institutions are transforming Gandhinagar into a knowledge and financial services city. DA-IICT can be reached in about 30 minutes from Sardar Vallabhai Patel International Airport and the Central Railway Station, Ahmedabad.

CAMPUS
The DA-IICT campus is caringly planned and designed as an environmentally conscious campus. The entire design is oriented towards preserving the environment. The full green coverage on the campus with trees, lawns and bushes bearing green leaves and exotic flowers surrounding the buildings and pathways instills environment consciousness among students and enrich their learning. The campus also has a herb garden with species of rare medicinal plants. The landscape was planned and developed in a manner that no rainwater is lost. The irrigation for campus garden and lawns is carried out with recycled water. The campus is a haven for bird-watchers, with a variety of species of birds being spotted.
DA-IICT offers two undergraduate programs and five post-graduate programs including a doctoral program. All the teaching programs are designed in consultation with the industry to ensure that their needs are met. The curricula of the programs are also reviewed and revised regularly considering the technological advancements and the industry requirements. DA-IICT also offers short term training programs, research seminars and workshops under the Continuing Education Program (CEP). All the teaching programs are designed to develop skills and intellect that is in tune with the contemporary ICT needs of the industry, government, public sector and academia. The details of the academic programs offered are given in the Table 1.

### Table 1: Academic Programs

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Programs</th>
<th>Commencement</th>
<th>Duration (Years)</th>
<th>Annual Intake*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BTech (ICT)</td>
<td>2001</td>
<td>4</td>
<td>240</td>
</tr>
<tr>
<td>2</td>
<td>BTech (Honours) in ICT with minor in Computational Science</td>
<td>2013</td>
<td>4</td>
<td>60</td>
</tr>
<tr>
<td>3</td>
<td>MTech (ICT)</td>
<td>2002</td>
<td>2</td>
<td>65</td>
</tr>
<tr>
<td>4</td>
<td>MSc (Information Technology)</td>
<td>2002</td>
<td>2</td>
<td>120</td>
</tr>
<tr>
<td>5</td>
<td>MSc (ICT in Agriculture and Rural Development)</td>
<td>2002</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>6</td>
<td>MDes (Communication Design)</td>
<td>2004</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>7</td>
<td>PhD</td>
<td>2002</td>
<td>3-5</td>
<td>10-20</td>
</tr>
</tbody>
</table>

*Exclusive of NRI/Foreign students.

**REVIEW OF CURRICULUM**

The policy of DA-IICT is to continuously review and assess both teaching and learning to help faculty to improve and refine their teaching practices and aid to improve students’ learning and performance. A Committee constituted in July 2015 with Academia and Industry Representatives reviewed and revised the curriculum of BTech (ICT) Program in the light of suggestions made by the international authorities such as the Institute of Electrical and Electronics Engineers (IEEE) and the Association of Computing Machinery (ACM). The Committee prepared its report taking feedback from the Industry and Alumni. On approval of the Committee’s report by the Academic Council, the revised curriculum will be implemented from the academic year 2016-17.

**ADMISSIONS 2016-17**

The admissions to all programs are carried out using an online admission system. The notifications for admission were released in leading regional and national newspapers covering the entire country in April, 2016. The admissions were also publicized using Institute’s web site, posters, brochures, social media network and the Alumni Association. The process of online filling in applications and payment of application fee was open from 5th April, 2016.

**Undergraduate Programs**

**BTech (Honours) in ICT with minor in Computational Science**

The intake for BTech (ICT) Program is 240 and for BTech (ICT) Honours Program is 60 totaling 300 seats. In addition, 30 seats are offered to Non
Resident Indians, Persons of Indian Origin and Foreign Nationals. For admission purpose, the seats are divided into two Categories equally; All India Category and Gujarat Category. The All India Category seats are filled in by DA-IICT. The Gujarat Category seats are filled in by the Admission Committee for Professional Courses (ACPC), Government of Gujarat following their procedures and rules for admission.

For All India Category admission, the Institute received 5344 online applications. They were filled in on the basis of the All India Rank of Joint Entrance Examination 2016 (JEE-2016) Main conducted by the Central Board of Secondary Education. The admissions to the remaining 150 seats were handled by ACPC. The admissions to the seats offered to Non-Resident Indians, Foreign Nationals and Persons of Indian Origin were done on the basis of the SAT/JEE Main score. The Institute follows the guidelines for admission of reserved category students. The starting and closing JEE merit ranks of the students admitted under each category are given in Table 2.

### Table 2: JEE Merit Ranks of Students

<table>
<thead>
<tr>
<th>Rank</th>
<th>Category</th>
<th>BTech (ICT)</th>
<th>BTech (Honours) (CS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best JEE Main Rank</td>
<td>All India (Gen)</td>
<td>2917</td>
<td>568</td>
</tr>
<tr>
<td></td>
<td>Gujarat (Gen)</td>
<td>63</td>
<td>13</td>
</tr>
<tr>
<td>Lowest JEE Main Rank</td>
<td>All India (Gen)</td>
<td>12006</td>
<td>5409</td>
</tr>
<tr>
<td></td>
<td>Gujarat (Gen)</td>
<td>452</td>
<td>271</td>
</tr>
</tbody>
</table>

**PG Admissions**

**MTech (ICT):** During the reporting year, six specializations were offered. Possession of a valid Graduate Aptitude Test in Engineering (GATE) score in a discipline specific to the specialization, as mentioned below was one of the requirements for admission. One hundred and two applicants were shortlisted for admission and sixty three candidates were admitted to the program.

<table>
<thead>
<tr>
<th>Name of Specialization</th>
<th>GATE paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algorithmics (AL)</td>
<td>CS or MA</td>
</tr>
<tr>
<td>Communication Systems (COMM)</td>
<td>EC</td>
</tr>
<tr>
<td>Computer Networks (CNS)</td>
<td>CS or EC</td>
</tr>
<tr>
<td>Machine Intelligence (MI)</td>
<td>CS or EC</td>
</tr>
<tr>
<td>Signal Processing (SP)</td>
<td>EC or EE or IN</td>
</tr>
<tr>
<td>VLSI and Embedded Systems (VLSI)</td>
<td>EC or CS</td>
</tr>
</tbody>
</table>

The GATE cut-off of the students admitted is as follows:

<table>
<thead>
<tr>
<th>Specialization</th>
<th>Highest-Score</th>
<th>Lowest-Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNS</td>
<td>658</td>
<td>457</td>
</tr>
<tr>
<td>COMM</td>
<td>576</td>
<td>393</td>
</tr>
<tr>
<td>MI</td>
<td>648</td>
<td>445</td>
</tr>
<tr>
<td>VLSI</td>
<td>687</td>
<td>463</td>
</tr>
<tr>
<td>AL</td>
<td>632</td>
<td>507</td>
</tr>
<tr>
<td>SP</td>
<td>573</td>
<td>409</td>
</tr>
</tbody>
</table>

**MSc (IT):** The students were selected through an entrance test conducted at selected centers all over the country. The test was for 90 minutes and the final merit list for admission was prepared on the basis of the aggregate score in the entrance test. Out of 414 applied, 174 candidates were shortlisted for admission. One hundred and twenty candidates were admitted to the program.
**MSc (ICT-ARD):** The students were selected through an entrance test conducted at selected centers in the country. The test was for 90 minutes. The final merit list for admission was prepared on the basis of the aggregate score in the entrance test. Out of the 73 candidates appeared for the entrance test, 19 were shortlisted for counseling/interview and 6 candidates were admitted for the program.

**MDes (Communication):** The students admitted to the program were selected through a Design Aptitude Test (DAT) conducted at DA-IICT. Those who qualified DAT were called for an interview. The final selection was based on the combined scores attained in DAT, interview and Statement of Purpose (SOP) submitted along with applications. The candidates with a valid CEED score were directly called for the interview. Thirty applicants were called for entrance test/interview and 15 candidates were offered admissions and 14 have joined for the program.

**PhD:** The admission to the program was through DA-IICT entrance test/CPI obtained in MTech Degree awarded by DA-IICT/CSIR/UGC-NET qualification or GATE score. Out of 83 applicants, 21 candidates were called for interview on clearing the admission test. Fourteen candidates were called directly for interview based on their CSIR/UGC-NET qualification/GATE score/DA-IICT CPI. Twenty four candidates were shortlisted for admission and 12 have joined the program. Table 3 shows the number of students admitted at the end of the admission process.

<table>
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<tr>
<th>Programs</th>
<th>Application Received</th>
<th>Admission Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTech (ICT)</td>
<td>262</td>
<td>102</td>
</tr>
<tr>
<td>MSc (IT)</td>
<td>414</td>
<td>174</td>
</tr>
<tr>
<td>MSc (ICT-ARD)</td>
<td>73</td>
<td>19</td>
</tr>
<tr>
<td>MDes (CD)</td>
<td>30</td>
<td>15</td>
</tr>
<tr>
<td>PhD</td>
<td>83</td>
<td>24</td>
</tr>
</tbody>
</table>

**ORIENTATION**

The orientation for Post Graduate students was conducted during 22-26 July, 2016. For Under Graduate students, the orientation was conducted during 25-28 July, 2016. During the orientation, they were given elaborate briefings on curriculum contents, academic requirements, rules and regulations. Specific program-wise sessions were organized with emphasis on details of curriculum and the available options with regard to elective courses. Apart from academic orientation, they were also given orientation to the campus and hostel life by the student volunteers. The students also met instructors of the first semester courses for briefings.

One of the sessions during the orientation was held for parents. The orientation familiarized the students and parents the course structure, evaluation system, grading, academic regulations, faculty, campus and infrastructure facilities.

**FINANCIAL SUPPORT**

The Institute provides financial support in the form of fellowships, scholarships and teaching and research assistantships to eligible students.

**Reliance Merit Scholarships**

Reliance, as part of its Corporate Social Responsibilities (CSR), has instituted merit scholarships for
students pursuing BTech (ICT) and MSc (ICT-ARD) Programs. The number of scholarship offered is 10 for BTech (ICT) and 5 for MSc (ICT-ARD) Programs. Awardees are selected on yearly basis. The scholarship is equal to the full tuition fee for the duration in which the scholarship is awarded. Twenty BTech and seven MSc (ICT-ARD) students have received the Scholarship during the reporting year.

**DA-IICT Merit Scholarship**
The Merit Scholarships are awarded to the top five students admitted to the BTech program having an All India Rank not exceeding 5000 in the JEE Main Examination. During the academic year 2015-16, in autumn semester 15 and in winter semester 13 students were awarded the Merit Scholarships.

**DA-IICT Merit-cum-Means Scholarship**
The Merit-Cum-Means Scholarships are awarded to five students in each semester based on their academic performance and whose parent(s)/guardian(s) annual income is up to Rs.2,50,000/-. Twenty one students have received the scholarship during the academic year 2015-16.

**Assistantships**
The Institute offers full-time and half-time teaching assistantships with monthly remuneration to PhD Scholars and MTech (ICT) students. The BTech (ICT) students are offered half-time teaching assistantships in their final year studies. Twenty four PhD Scholars, 104 M Tech and 06 BTech students received assistantships during the academic year 2015-16.

**TCS Research Fellowship**
The Tata Consultancy Services (TCS) has recognized DA-IICT as one of the Institutions to administer the TCS Research Scholar Program. This prestigious program provides attractive doctoral fellowships and contingency grant to full-time students pursuing PhD programs in broad areas of Computer Engineering, Computer Science, Information Systems, Information Technology and Software Engineering. Over and above fellowship, the Scholars are eligible to receive support for paper presentation in one International refereed conference, held outside India, and two National/International refereed conferences held in India, during the Scholar’s tenure.

Ms. Gitam Shikkenawis, 2012-13 batch PhD Scholar, the recipient of the Fellowship has completed her Doctoral Studies. During the reporting year, Ms. Jainisha Sankhavara and Mr. Prashant Mansukhbhai Domadiya, 2015-16 batch PhD Scholars were awarded the Fellowship.
TCS Students Award
DA-IICT is one of the institutions selected by TCS for the ‘TCS-100 Best’ high-ranking engineering institute student award scheme. The ‘TCS 100 Best’ is to enhance student’s attention towards academics through healthy competition. During the reporting year, Ms. Lavanya Gupta, BTech 2012-16 batch student, was conferred the award in 2016.

Chief Minister Scholarship Scheme and Mukhyamantri Yuva Swavlamban Yojana (MYSY), Government of Gujarat
The Government of Gujarat has designated DA-IICT as one of the Institutions to guide the under graduate students in preparation and submission of applications for the Chief Minister Scholarship and MYSY. The Registrar’s Office assists and guide students from DA-IICT as well as students from other Institutions to apply for the ‘Mukhyamantri Yuva Swavlamban Yojana (MYSY)’ introduced in October 2015. The Scheme provides financial help to bright and needy undergraduate students whose parents income is up to Rs.4.5 lakh. Seventy one BTech students have received the Scholarship during the year 2015-16.

THESES
Master’s Theses
The thesis work of the MTech (ICT) students starts from the summer semester after their second semester courses. They work comprehensively to generate interesting research outcome under the guidance of the faculty. Students of MSc (ICT-ARD) and M Des (CD) programs work full time on projects during their fourth semester at DA-IICT or at leading organizations. The list of projects completed by the students during the year is given in Annexure 2.

INSTITUTIONAL COLLABORATION AND STUDENT EXCHANGE PROGRAMS
The Institute has signed Memorandums of Understanding with national and international institutions to promote and enhance academic and research interaction as well as collaboration. The MOUs which were in force during the reporting period are as follows:


Indian Navy: To admit eligible candidates sponsored by the Navy for MTech and other advanced courses including PhD, joint research and development and training.

Space Application Centre, Indian Space Research Organisation: To admit eligible Officers sponsored by the Space Application Centre for the PhD Program and collaborate in research and training.

University of Evora (Universidade de Evora), Portugal: For academic exchange, collaboration in teaching, research and exchange of scientific materials and publications, for advancement and dissemination of learning. Under the provisions of the MoU, DA-IICT is one of the Asian University Partners with the University of Evora in the Erasmus Mundus Fellowship Program of the European Commission.

Institut Superieur D’Electronique De Paris, France: For exchange of faculty, students and joint research.

University of Dayton, USA: To develop academic exchange and co-operation in teaching and research for the advancement and dissemination of learning.
University of Swaziland (UoS), Swaziland: For academic exchange, research and faculty development of UoS for the advancement and dissemination of learning.

University of Antwerp, Belgium: To exchange faculty, students and for scientific co-operation.

International Crops Research Institute for the Semi-Arid Tropics, Hyderabad: To participate in teaching, training and research; explore external funding opportunities for research, exchange and host students and scholars for research and degree Programs by each other and exchange scientific materials and publications.

Indian Institute of Technology, Gandhinagar: To collaborate on teaching and research and exchange of scientific and academic personnel.

INFLIBNET Centre, Inter-University Centre of the University Grants Commission: To participate in digitization of theses and dissertations and building-up of digital repository and to promote, share and host theses and dissertations in ‘Shodhgang’a.’

Reliance Communications Limited: To institute the Research Chair to lead research and education in Computational Science and setting up of a Computational Science Laboratory at DA-IICT.

TCS Foundation: To nominate suitable full time PhD Scholars of DA-IICT for the TCS Research Scholar Program.

Ericsson India Private Limited: To impart trainings to the BTech students who have completed their sixth semester of studies and consider employment of the certified students with Ericsson India.

eiTRA-einfochips Institute of Training Research and Academics Limited, Ahmedabad: To train and upgrade the skills of eiTRA employees, conduct lectures for academic programs offered by Ganpat University, provide consultancy and guidance for technological research and project execution, facilitate DA-IICT students to carry out their internship and project work at eiTRA-einfochips and jointly offer continuing education programs.

ICICI Bank: MoU to participate at the ICICI Trinity Program. The Program encourages and promotes students’ talent with a view to bring forth new ideas and innovations which can be applied in the banking/finance industry and help in their commercialization. The Program supports final year UG/PG five students team. In case of PhD Scholars, single Scholar can seek support.

Ramakrishna Sarada Sevashram, Bastar: To sponsor eligible candidates for PhD studies at DA-IICT, develop and support joint research programs and conduct specialized courses

DA-IICT has a scheme to accept researchers and students from other institutions for research affiliation, internships or project work on recommendation of the faculty. The faculty members work as guides to them.
DA-IICT designs and offer continuing education programs to assist researchers, academicians and professionals in industries, public and government organizations to develop their skills. These programs are identified as knowledge sharing programs and they are in the forms of workshops, seminars and hands-on training. The institute provides end-to-end services in training and development for knowledge transfer and skill enhancement in areas such as Information and Communication Technology, GIS, VLSI Technology, Embedded Systems, Computer Vision and Image Processing, Wireless Communications, Network Administration and Security, Linux, Database Management, Software Testing and Soft skills.

### Continuing Education Program

<table>
<thead>
<tr>
<th>Program</th>
<th>Sponsor/Coordinator</th>
<th>Period</th>
<th>No. of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softskill &amp; M.S.Office</td>
<td>Indian Air Force</td>
<td>29th June 2015 to 10th July 2015</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics Workshop</td>
<td>DA-IICT</td>
<td>8th Jan 2016 to 10th Jan 2016</td>
<td>11</td>
</tr>
<tr>
<td>C-Programming</td>
<td>Space Application Centre, Indian Space Research Organisation</td>
<td>19th Jan 2016 to 23rd Jan 2016</td>
<td>22</td>
</tr>
<tr>
<td>Statistical Signal Processing</td>
<td>Space Application Centre, Indian Space Research Organisation</td>
<td>8th March 2016 to 12th March 2016</td>
<td>21</td>
</tr>
<tr>
<td>Cyber Security, Cyber Crime and Cyber Laws</td>
<td>DA-IICT</td>
<td>19th June 2016 to 31st July 2016</td>
<td>47</td>
</tr>
<tr>
<td>MS Office in depth</td>
<td>Indian Air Force</td>
<td>1st August 2016 to 12th August 2016</td>
<td>15</td>
</tr>
</tbody>
</table>
Placements & Internships

PLACEMENTS
DA-IICT has been one of the most preferred institutes by companies. A good number of students have been recruited with attractive packages by leading companies like Amazon, Bitmapper, Deloitte, Directi, Google, HSBC, Linkedin, Juniper, SAP Lab, Samsung, Morgan Stanley, Oracle and TCS. The 2015-16 placement season saw recruiters from various domains of industries offering job profiles like software development, R&D Engineer, Business Technology Analyst, Data Scientist, Site Reliability Engineer, ASIC Design Engineer, Business Intelligence Consultants and Graduate Engineer Trainees.

Fifty five companies have participated in campus placement for 2015-16 batch.

Other companies visited DA-IICT for campus placements were Servify, Rtcomp, Verse, Wipro, Aspire Minds, E-Infochips, Evosys, Future First, Grit Innovations, Networks, Kuliza, MAQ Softwares, and MuSigma. The Students were also offered project internships in premier research institutions such as Capillary, Amazon and Oracle. The placement process also benefited junior batches with many of them securing summer internships.

<table>
<thead>
<tr>
<th>Placement 2015-16</th>
<th>BTech</th>
<th>MTech</th>
<th>MScIT</th>
<th>MSc(ICT)ARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students opting for campus placement (each batch)</td>
<td>167</td>
<td>45</td>
<td>74</td>
<td>5</td>
</tr>
<tr>
<td>Students opting out of campus placement (each batch)</td>
<td>40</td>
<td>8</td>
<td>16</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>207</td>
<td>53</td>
<td>90</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Details</th>
<th>BTech</th>
<th>MTech</th>
<th>MScIT</th>
<th>MSc(ICT)ARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Jobs offered</td>
<td>142</td>
<td>36</td>
<td>55</td>
<td>3</td>
</tr>
</tbody>
</table>

A good number of students got placements in the companies in which they did their summer internships. The average annual salary package was Rs. 7.6 lakh. The highest salary package touched Rs. 27.5 lakh per annum.
RURAL INTERNSHIPS
The four-week Rural Internship is an academic requirement for BTech program being carried out in the third semester. The students get attached with voluntary organizations located in a village. The organizations assign a student to a specific project enabling him/her to a first-hand experience of the village life and social pattern in the area of primary education, healthcare, ecology etc. After completing the internship, the students present their findings as poster presentations. Apart from adding value to their education, it is expected that the interns contribute to the efforts of the civil society organizations towards rural reconstruction.

The BTech 2014 batch comprised of 280 students - 57 female and 223 male students. They were placed in 8 States with 30 Non Governmental Organizations. The Rural Internship period was from 07 December 2015 to 02 January 2016. Details appear in Table 1.
<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Non Governmental Organizations</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Godavari Mahasamakhya</td>
<td>A. P.</td>
</tr>
<tr>
<td>2</td>
<td>Sri Gowthami Urban and Rural Integrated Development &amp; Educational Society</td>
<td>A. P.</td>
</tr>
<tr>
<td>3</td>
<td>Ramakrishna Sarada Sevashram</td>
<td>Chhattisgarh</td>
</tr>
<tr>
<td>4</td>
<td>Abhyan</td>
<td>Gujarat</td>
</tr>
<tr>
<td>5</td>
<td>Shri Bolbala Trust</td>
<td>Gujarat</td>
</tr>
<tr>
<td>6</td>
<td>Cohesion Foundation</td>
<td>Gujarat</td>
</tr>
<tr>
<td>7</td>
<td>Dharampur Utthan Vahini (DHRUVA)</td>
<td>Gujarat</td>
</tr>
<tr>
<td>8</td>
<td>DISHA Foundation</td>
<td>Gujarat</td>
</tr>
<tr>
<td>9</td>
<td>Gujarat Rural Institute for Socio-economic Reconstruction (GRISERV)</td>
<td>Gujarat</td>
</tr>
<tr>
<td>10</td>
<td>Garmin Vikas Trust (GVT)</td>
<td>Gujarat</td>
</tr>
<tr>
<td>11</td>
<td>Ishwar Gram Vikas Trust</td>
<td>Gujarat</td>
</tr>
<tr>
<td>12</td>
<td>Mehsana District Cooperative Milk Producers' Union Ltd.</td>
<td>Gujarat</td>
</tr>
<tr>
<td>13</td>
<td>Navjeevan Trust</td>
<td>Gujarat</td>
</tr>
<tr>
<td>14</td>
<td>Society for Integrated Land &amp; Water Management (SOFILWM)</td>
<td>Gujarat</td>
</tr>
<tr>
<td>15</td>
<td>Sristi</td>
<td>Gujarat</td>
</tr>
<tr>
<td>16</td>
<td>Tribhuvandas Foundation (TF)</td>
<td>Gujarat</td>
</tr>
<tr>
<td>17</td>
<td>UNNATI Organization for Development Education</td>
<td>Gujarat</td>
</tr>
<tr>
<td>18</td>
<td>UTTHAN</td>
<td>Gujarat</td>
</tr>
<tr>
<td>19</td>
<td>Sutra</td>
<td>H. P.</td>
</tr>
<tr>
<td>20</td>
<td>North Himalayan Environment Protection &amp; Education Society</td>
<td>Haryana</td>
</tr>
<tr>
<td>21</td>
<td>Savigya</td>
<td>M. P.</td>
</tr>
<tr>
<td>22</td>
<td>Aajeevika Bureau</td>
<td>Rajasthan</td>
</tr>
<tr>
<td>23</td>
<td>Action for Food Production (AFPRO)</td>
<td>Rajasthan</td>
</tr>
<tr>
<td>24</td>
<td>Astha Sansthan</td>
<td>Rajasthan</td>
</tr>
<tr>
<td>25</td>
<td>Foundation for Ecological Security (FES)</td>
<td>Rajasthan</td>
</tr>
<tr>
<td>26</td>
<td>Gramin Vikas Trust (GVT)</td>
<td>Rajasthan</td>
</tr>
<tr>
<td>27</td>
<td>Jatan Sansthan</td>
<td>Rajasthan</td>
</tr>
<tr>
<td>28</td>
<td>Himalayan Environmental Studies &amp; Conservation Organization (HESCO)</td>
<td>Uttarakhand</td>
</tr>
<tr>
<td>29</td>
<td>Himalayan Institution for Environment Ecology and Development (HIFEED)</td>
<td>Uttarakhand</td>
</tr>
<tr>
<td>30</td>
<td>Peoples Science Institute (PSI)</td>
<td>Uttarakhand</td>
</tr>
</tbody>
</table>

As part of evaluation of Rural Internship, students made group-wise poster presentations which were evaluated by faculty members.
RESEARCH/ INDUSTRIAL INTERNSHIPS
At the end of the sixth semester, BTech students undertake a Research or Industrial Internship for 6 to 8 weeks during summer vacation. They are also required to undertake a BTech Project (BTP) in the eighth semester.

For Post-Graduate programs, the (i) MTech (ICT) students pursue one full year (two semesters) of research; (ii) MSc (IT) students undergo industry internship; and (iii) MDes students, a design project in the fourth semester. In Research Internship, the students are required to work with a guide in an academic institution or a research and development unit of an industry. The purpose is to expose the students to research environment under the supervision of an expert in an ongoing work. The Industrial Internship exposes the students to the working environment of the industry with an expectation that this exposure help the students to make a better choice about their career after graduation. Students develop skills and techniques directly applicable to their careers and hone skills in the application of theory to practical work situations.

### Number of students opting for Off-campus Summer internships - 30

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the organizations/Institution</th>
<th>No. of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Google-India</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>Amazon India Pvt Ltd</td>
<td>10</td>
</tr>
<tr>
<td>3.</td>
<td>Morgan Stanley Advantage Services Pvt Ltd</td>
<td>4</td>
</tr>
<tr>
<td>4.</td>
<td>Kivi Technology</td>
<td>8</td>
</tr>
<tr>
<td>5.</td>
<td>Maq Softwares</td>
<td>7</td>
</tr>
</tbody>
</table>

### Number of students opting for Industrial Internship - 150

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Organization</th>
<th>No. of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Amazon Development Centre</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>Grofers</td>
<td>3</td>
</tr>
<tr>
<td>3.</td>
<td>Morgan Stanley Advantage Services Pvt Ltd</td>
<td>7</td>
</tr>
<tr>
<td>4.</td>
<td>Searce Logistics</td>
<td>2</td>
</tr>
<tr>
<td>5.</td>
<td>Sprinklr Solutions Pvt Ltd</td>
<td>10</td>
</tr>
<tr>
<td>6.</td>
<td>Kuliza</td>
<td>5</td>
</tr>
<tr>
<td>7.</td>
<td>SAP Labs</td>
<td>5</td>
</tr>
<tr>
<td>8.</td>
<td>Deloitte Consultancy</td>
<td>9</td>
</tr>
<tr>
<td>9.</td>
<td>MAQ Softwares Pvt Ltd</td>
<td>7</td>
</tr>
<tr>
<td>10.</td>
<td>Evolutionary systems Pvt Ltd</td>
<td>1</td>
</tr>
<tr>
<td>11.</td>
<td>Practo</td>
<td>3</td>
</tr>
<tr>
<td>12.</td>
<td>Opshub Solutions Pvt Ltd</td>
<td>1</td>
</tr>
<tr>
<td>13.</td>
<td>Nagaroo Software</td>
<td>2</td>
</tr>
<tr>
<td>14.</td>
<td>SABA</td>
<td>1</td>
</tr>
<tr>
<td>15.</td>
<td>Helical</td>
<td>2</td>
</tr>
<tr>
<td>16.</td>
<td>Tata Consultancy Services</td>
<td>52</td>
</tr>
<tr>
<td>17.</td>
<td>Evive Health Care</td>
<td>3</td>
</tr>
<tr>
<td>18.</td>
<td>Ishi systems Pvt Ltd</td>
<td>4</td>
</tr>
<tr>
<td>19.</td>
<td>Grit Innovations Pvt Ltd</td>
<td>6</td>
</tr>
<tr>
<td>20.</td>
<td>Juniper Networks Pvt Ltd</td>
<td>9</td>
</tr>
<tr>
<td>21.</td>
<td>Coviam</td>
<td>3</td>
</tr>
<tr>
<td>22.</td>
<td>Kivi technologies Pvt Ltd</td>
<td>1</td>
</tr>
<tr>
<td>23.</td>
<td>Servify</td>
<td>8</td>
</tr>
<tr>
<td>24.</td>
<td>AKRSP(I)</td>
<td>1</td>
</tr>
<tr>
<td>25.</td>
<td>PlexusMD</td>
<td>4</td>
</tr>
</tbody>
</table>
Twelfth Convocation

The twelfth Annual Convocation was held on 16th January, 2017. Dr. A. Sivathanu Pillai, Distinguished Scientist and Honorary Distinguished Professor, Indian Space Research Organization, Bengaluru was the Chief Guest for the Convocation. Shri Suresh Rangachar, Member, Board of Governors and President, Reliance Communications Limited, Mumbai presided over the function.

Three hundred and seventy nine students have received their Degrees. They included 8 Doctoral Scholars, 47 MTech, 87 MSc (IT), 10 MSc (ICT-ARD), 7 MDes (CD) and 220 BTech (ICT) students.

The following students were awarded the President’s Gold Medals for attaining scholastic achievements in their respective programs:

- **MTech (ICT) 2013**
  - Shah Falak Himanshu

- **MSc (IT) 2013**
  - Dikshit Prachi Manohar

- **MSc (ICT-ARD) 2013**
  - (1) Jaykumar Dilipbhai Jivani
  - (2) Fenee Dalsukhbhai Amrutiya

- **M Des (CD) 2013**
  - Palak Sanghani

- **BTech (ICT) 2011**
  - Aimen Jawaid Haider

Dr. Sivathanu Pillai chose ‘India-the Knowledge Powerhouse’ as topic of his address. In his address, he recalled the ingenuity and creativity of great minds of ancient India and their contributions to mankind thousands of years back. He reminded the graduating students that today’s information technology, that they have mastered, is based on the binary numbers of which ‘0’ was the contribution from ancient India and such was the greatness of our country. He highlighted that Indian youth have inherited the genes from those ancient super human beings and if they can activate them, they can become the super genius in the modern world.

Dr. Pillai evoked India’s achievements in agriculture, dairying, healthcare and pharmaceuticals. He brought to the attention of the august audience that with the commitment and hard work of agriculture and dairy scientists and technologists and dedicated farmers, India became self-sufficient in food, milk production and pharmaceuticals. He highlighted that with the three three-stage nuclear programs formulated by Dr. Homi Bhabha, India became one of the leading nations in Nuclear Research and has now stepped into advanced research in fusion technology which will give India the much needed break-through in nuclear science and energy security for the country. Dr. Vikram Sarabhai’s vision of making India a nation of space research to utilize its best advantages for the benefit of mankind came true with spectacular achievements. In the area of missile development and super computers, he highlighted that with the best of Indian minds and institutions, India developed critical technologies, he highlighted that with the best of Indian minds and institutions, India developed critical technologies and defeated the developed nations’ control regime. He asked the young scientists to explore emerging technologies like quantum computing, exotic materials, sensors and nano-bio-info convergence. He narrated how the Information and Communication Technology is making our society borderless and called it as ‘Next Generation ICT Society.’

Dr. Pillai counseled the talented Indian youth with higher education to embark on knowledge acquisition, knowledge imparting, knowledge creation and knowledge sharing. He wanted our universities and educational systems to create two cadres of personnel: (1) a global cadre of skilled youth with specific knowledge of special skills; (2) another global cadre of youth focusing on research
and innovation. He ended his address by declaring that “If we are expected to Achieve Results never before Accomplished, We must employ Methods never before Attempted, but with Utmost Honesty.” He reminded the graduating students that they are in the blossom phase of their career and advised: “you are the makers of India, great aim, creativity, innovation, hard work and perseverance, and above all love for India and righteousness in action are the important factors that will drive you for success in all your endeavours and make India a Great Nation.”
Research and Development
(Sponsored Projects and Entrepreneurship)

Ever since it was founded, the Institute has had a vibrant research environment. This has brought dynamism to all academic activities. The Institute has a full range of research infrastructure and facilities, such as well-equipped laboratories, specialized equipment, campus-wide networking, high-speed Internet access, and subscription to hundreds of print and online resources. The Institute also houses an Incubation Center to nurture and develop business ideas based on new technology.

The faculty, students, and research staff are active in research in several disciplines, including but not limited to the following: computer science, electronics and communication, mathematics, physics, agriculture and rural development, humanities, and social sciences. The faculty members have been regularly publishing their research work in leading refereed journals and conferences. Over the last decade, a large number of sponsored projects have been initiated by faculty, including international projects. Many students have started their own companies.

**SPONSORED PROJECTS**

In the year 2015-16, the Institute received 3 new projects. The faculty continued work on 12 on-going projects.

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>TITLE</th>
<th>DURATION</th>
<th>INVESTIGATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAC-ISRO</td>
<td>Development of Ultra Low Power And Low Voltage Time to Digital Converter(TDC) for Space Applications</td>
<td>2016 (2 Years)</td>
<td>Biswajit Mishra, Mazad Zaveri</td>
</tr>
<tr>
<td>DST (Indo-French)</td>
<td>Study of Privacy, Accountability and Ownership in IoT</td>
<td>2016 (3 Years)</td>
<td>Manik Lal Das, Anish Mathuria</td>
</tr>
<tr>
<td>SAC-ISRO</td>
<td>Detection of heavy metal pollution in vegetation and characterization of soil clay minerals using AVIRIS-NG Data</td>
<td>2016 (2 Years)</td>
<td>Ranendu Ghosh, P.S. Kalyan Sasidhar</td>
</tr>
</tbody>
</table>
### Table 2: On-going Projects

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>TITLE</th>
<th>INVESTIGATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHM</td>
<td>Techno Feasibility Study on Automation of hydroponics and greenhouse cultivation</td>
<td>Ranendu Ghosh Rahul Dubey</td>
</tr>
<tr>
<td>NBHM</td>
<td>Knowledge Compilation in modal and Multimodal Logic</td>
<td>Manoj Raut Rahul Muthu</td>
</tr>
<tr>
<td>GUJCOST</td>
<td>Processor RTL Customization and Development of Low Power Design Flow Methodology</td>
<td>Amit Bhatt Mazad Zaveri</td>
</tr>
<tr>
<td>GUJCOST</td>
<td>Enabling Technologies for Remote Health Monitoring</td>
<td>Biswajit Mishra Manik Lal Das</td>
</tr>
<tr>
<td>BRNS</td>
<td>Kinetic Modeling of Large size negative Ion Sources for Fusion Application using Emerging Parallel Processing Computer Architecture</td>
<td>Bhaskar Chaudhury Mukesh Tiwari</td>
</tr>
<tr>
<td>DST</td>
<td>Development of Infant Cry Analyzer Using Source And System Features</td>
<td>Hemant Patil</td>
</tr>
<tr>
<td>DeitY</td>
<td>Development of Cross Linguial Information (CLIA) System Phase-II</td>
<td>Prasenjit Majumder Suman Mitra</td>
</tr>
<tr>
<td>National Innovation Foundation</td>
<td>Value Addition in Grassroots Technologies</td>
<td>Anil Roy Rahul Dubey</td>
</tr>
<tr>
<td>DeitY</td>
<td>Development of Text to Speech System in Indian Languages High quality text to speech synthesis and small footprint TTS integrated with disability aids</td>
<td>Hemant Patil M.V. Joshi</td>
</tr>
<tr>
<td>DeitY</td>
<td>Speech based Access of Agricultural Commodity Prices and Weather Information in 12 Indian Languages/ Dialects (Automatic Speech (ASR) Consortium Phase-II</td>
<td>Hemant Patil M.V. Joshi</td>
</tr>
<tr>
<td>SAC-ISRO</td>
<td>Ultra Wide Band Dielectric Resonator Antenna</td>
<td>Deepak Ghodgaonkar Sanjeev Gupta</td>
</tr>
<tr>
<td>NSF/TCPP</td>
<td>Fall-14 CDER Early Adopter</td>
<td>Bhaskar Chaudhury Mukesh Tiwari</td>
</tr>
</tbody>
</table>

The Faculty completed work on 2 projects and they were sponsored by DST and BRNS.

### Table 3: Completed Projects

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>TITLE</th>
<th>INVESTIGATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DST</td>
<td>Indian Digital Heritage (IDH-Hampi) Phase-II (Digital Capture of Culture &amp; Heritage)</td>
<td>Manjunath Joshi Hemant Patil</td>
</tr>
<tr>
<td>BRNS</td>
<td>Techniques for Robust Face Recognition with post variation</td>
<td>Suman Mitra Mehul Raval</td>
</tr>
</tbody>
</table>
INCUBATION CENTRE

The Centre, established in 2011 promotes innovation and entrepreneurship culture among DAIICT community. DCEI is supported by the Department of Electronics & Information Technology (DeitY), Government of India and the Government of Gujarat. The Centre has incubated following 6 start-ups and notable among them is Corygbee Private Limited, a start-up, for the first time, by a faculty.

1) Almaconnect Solutions Private Limited
2) Playpower Labs Private Limited:
3) Appbin Labs Private Limited:
4) Kamkaaj Solutions Private Limited:
5) Corygbee Private Limited (Rygbee)
6) Innoruption Tech Solution Private Limited

The Incubation Centre has received Rs. 15 lakh grant from Industries Commissionerate, Government of Gujarat, for expansion of its activities. The grant will be used for supporting new start-up companies.

CONSULTANCY PROJECTS

<table>
<thead>
<tr>
<th>ORGANIZATION</th>
<th>CONSULTING AREA</th>
<th>FACULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>(n) Code Solutions</td>
<td>(1) Testing of Wireless Device and CCTV Surveillance</td>
<td>Anil Roy</td>
</tr>
<tr>
<td></td>
<td>(2) Internet Wi-Fi Network Security Testing</td>
<td>Anil Roy</td>
</tr>
</tbody>
</table>
WORKSHOPS, SPECIAL LECTURES AND VISITORS

SPECIAL LECTURES

- Mr. Debanjan Bhattacharjee, Indian Classical Sarod Artist, ‘Genesis of Indian Ragas and Use of Science and Technology in Indian traditional music,’ 06 April 2016.
- Mr. Hari Om Gandhi, Zonal Director, Narcotics Control Bureau, Gujarat, ‘Healthy Campus,’ 04 March 2016.
- Prof. Brian A Barsky, Professor of Computer Science and Vision Science, and Affiliate Professor of Optometry, University of California at Berkeley, USA, ‘From Vision-Realistic Rendering to Vision Correcting Display,’ 01 February 2016.
- Shri Ram Chandra Mission (SRCM), ‘Self Development Program @ DA-IICT,’ 10 October 2015.
- Dr. Pradeep K. Sinha, Senior Director (Corporate Strategy and R&D) at the Centre for Development of Advanced Computing (C-DAC), ‘Becoming Professionally Successful,’ 19 August 2015.

SEMINAR/WORKSHOPS

- TCS Research Interaction, 12 March 2016
- National Workshop on Big Data Analytics, 7 December 2015
- ISRO-SAC-SSP workshop, 8-12 March 2016
- IEEE CIS Winter School 2016, Summer / Winter Schools, 1-5 March 2016
- Summer School on Speech Signal Processing (S4P) 2016, Summer / Winter Schools, 4-8 July 2016

VISITORS

- Dr. Hiromichi Fujisawa, Corporate Chief Scientist, Hitachi’s R&D Group, Japan, visited DA-IICT during 11-17 January, 2016. He was also the Guest of Honour for our 12th Convocation. Dr. Fujisawa delivered an institute talk on Jan 12, 2016. He also met faculty in groups.
- Shri. Munaf Patel, Cricketer who represented India in World Cup, was Special Guest at the Opening Ceremony of Annual Inter-College Sports Fest CONCOURS-2015 on 29 October 2015.
- A group of 107 students of VPMP Polytechnic College, Gandhinagar along with their faculty members visited DA-IICT to know Network Infrastructure and Data Center, 3 September 2015.
- Dr. Tapan Misra, Director, ISRO, and Mr. Ravisankar, Head (HRD) visited DA-IICT for ISRO CEP program on 22 Jan 2016.
- Prof. Biswarup Sen, University of Oregon, Eugene, Oregon, visited DA-IICT during 16-17 December 2015 to explore possible academic and research collaboration.
- A group of 42 Higher Secondary Students from Shiv Ashish School (CBSE), Ahmedabad accompanied by Teachers, Ms. Savitri Dhiman, Mr. Pratush Raval and Ms. Nivedita, visited DA-IICT on 22nd April, 2016. They were briefed on the Institute, its teaching programs, research, Resource Centre and Laboratories. They also visited the Resource Centre and Laboratories.
Faculty Publications

Publications reflect faculty and staff interests and their research initiatives. The publications have appeared primarily in peer-reviewed conferences and journals. Majority of publications have student co-authors indicating a strong faculty commitment to train and mentor both postgraduate and undergraduate students in research.

During the reporting year, the faculty published 2 books, 6 chapters in books and 106 papers in journals and conferences along with 3 patents.

**Books**

**Edited Book**

**Book Chapters**


**Journal Papers**


Conference and Workshop Papers
1. Alka Parikh, “Food Security Index for Tajikistan,” presented at International Conference on Agriculture and Food Systems, Climate Change and Nutrition in CIS Countries, Lomonosov Moscow State University, IFPRI and World Bank, Moscow, Russia, Feb. 11, 2016.


24. Maulik C. Madhavi, Shubham Sharma, and Hemant A Patil, “Vocal tract length normalization features for audio search,” in *Speech and Dialogue:18th International Conference, TSD*


65. Manish Chaturvedi and Sanjay Srivastava, “Edge-Level Real-Time Traffic Estimation with
Limited Infrastructure,” in *Proc. 2015 IEEE 82nd Vehicular Technology Conference (VTC-Fall)*, Boston, MA, Sept. 6-9, 2015, pp. 1-5. doi: 10.1109/VTCFall.2015.7390906


**Patents**


Awards and Professional Activities

The faculty and staff continued to be actively involved in international, national, state and local level professional activities and made significant contributions at all levels. They also received fellowships, and presented a large number of invited talks all over the country and abroad. Below is a listing of the major recognitions and activities of the faculty and staff of the Institute:

HONORARY WORK/POSITIONS HELD ON PROFESSIONAL BODIES

Prof R. Nagaraj
- Mentor Director, Indian Institute of Information Technology, Vadodara
- Member, Regional Advisory, Group on Social Entrepreneurship Education, Gujarat
- Member, Executive Committee, Institute of Seismological Research, Gujarat
- Independent Director, Gujarat Informatics Limited
- Member, Academic Council, Ganpat University, Mehsana, Gujarat
- Member, Governing Council, Electronics and Quality Development Centre, Gandhinagar
- Member, Executive Council, Electronics and Quality Development Centre, Gandhinagar

Prof Anil K Roy
- Member-at-Large, IEEE Sensors Council, 2015-16
- Treasurer, IEEE India Council, 2015-16
- Member, IEEE Global Strategy AdHoc Committee, 2015
- Member, CII Gujarat Taskforce, ‘Smart City Gandhinagar Projec,’ Government of Gujarat
- Member, Technical Committee on ‘Smart City Gandhinagar Project,’ Government of Gujarat
- Member, Cyber Security Committee, Raksha Shakti University, Ahmedabad
- Member, Board of Studies, Computer Science & Technology and Faculty of Computer Science & Technology of Institute of Forensic Science, Gujarat Forensic Sciences University, Gandhinagar
- Member, Board of Studies, Marwadi University, Rajkot

Prof Anish Mathuria
- Member, Board of Governors, Gujarat Industrial Research Development Agency, Government of Gujarat

Prof Alka Parikh
- Regional committee member, Western India for GEF-UNDP Small Grants Program
- Board of Governors, CSS, Surat
- Trustee, Utthan Trust, Vastrapur, Ahmedabad
- Joint Director, Uplift India Association

Prof Asim Banerjee
- Member of Jury, the Diploma Projects of PG students, National Institute of Design (NID) Gandhinagar and Ahmedabad
- Member, Board of Studies, Nirma University
- Member, Faculty of Engineering, Nirma University
- Member, Board of Studies, UV Patel College of Engineering, Ganpat University
- Member, Faculty of Engineering-Computer Science and Engineering, UV Patel College of Engineering, Ganpat University

Prof Bhaskar Chaudhury
- Member and Contributor, the International Plasma Data Exchange Project

Prof Hemant A Patil
- Member, International Speech Communication Association
- Member, IEEE, USA
- Member, IEEE Signal Processing Society, USA
- Affiliate Member, IEEE, the Speech and Language Technical Committee
- Member, IEEE Circuits and Systems Society, USA
- Member, International Association for Engineers
- Life member, System Society of India
Prof Manik Lal Das
- Chair, IEEE Computer Society, Gujarat Chapter
- Secretary, IEEE Gujarat Section

Prof Sanjeev Gupta
- Member, Senate, IIIT Vadodara
- Executive Council Member, DA-IICT Centre for Entrepreneurship and Incubation
- Vice Chairperson of Research Council, IIIT Vadodara
- Member, Committee for Government of Gujarat approved DA-IICT as Nodal Institute under its Start-up / Innovation Scheme
- Member, Advisory Committee, PG Research Center for Mobile Computing & Wireless Technologies, Gujarat Technological University, Ahmedabad
- Member, Board of Studies, Charotar University of Science and Technology, Changa, Gujarat
- Member, Board of Studies for Satellite Communications Course conducted by Centre for Space Science and Technology Education in Asia and the Pacific, IIRS Campus, Dehradun (Headquarters) & SAC Campus, Ahmedabad
- Member, Board of Governors, Government Engineering College, Gandhinagar
- Member, Academic Council, CU Shah University, Wadhwan City, Surendranagar District, Gujarat
- Member, Board of Studies, Indus University, Ahmedabad
- Member, Board of Studies, LDRP Institute of Technology and Research, Kadi Sarva Vishwavidyalaya, Gandhinagar
- Coordinator, cooperation with SAC under the MoU for cooperation in research and academic activities, Space Applications Centre, ISRO, Department of Space, Government of India Ahmedabad
- Expert Member, Committee for Techno-Commercial Evaluation of 220 GHz Vector Network Analyzer, Institute of Plasma Research, Department of Atomic Energy, Government of India, Ahmedabad
- Member, ‘Antenna Test and Measurement Association’
- Member, Agilent’s Test Advisory Panel

Prof Suman K Mitra
- IEEE Gujarat Section, Chair Educational Activity
- Joint Secretary, Indian Unit of Pattern Recognition and Artificial Intelligence
- External Expert, Project Progress Committee of a DST Sponsored project at DDU, Feb. 2016

Prof V Sunitha
- Member, Board of Studies, Pandit Deendayal Petroleum University, Gandhinagar

Prof Vishvajit Pandya
- Honorary Director, Andaman and Nicobar Tribal Research Institute, Port Blair
- Member, the general body of the Andaman Adim Jan Jati Sevak Samite
- Member, the special advisory committee of the Lieutenant Governor of the Andaman Islands
- Contributing member, the Andaman and Nicobar Administration Heritage Committee

FELLOWSHIPS/VISITING SCHOLAR
Prof Suman K Mitra
- Visiting Professor, University of Dayton, Ohio, USA, June-July 2016

JOURNAL EDITORSHIP
Prof Hemant A Patil
- Member, Editorial Board, Engineering Letters, International Journal

Prof Sanjeev Gupta
- Member, Editorial Board, International Journal on Science and Technology, ISSN: 2229-7677
- Member, Editorial Board, International Journal of Engineering and Technology Management, Bimonthly on-line journal published from Iran

Prof Suman K Mitra
- Associate Editor, International Journal on Image and Graphics by World Scientific
Prof Rutu Parekh

• Member, Editorial Board for Journal of Electrical and Electronic Engineering, Science

REVIEWING

Book/Book Chapter Reviewing

Prof Deepak Ghodgaonkar


Prof Laxminarayana Pillutla


Prof Manish K Gupta


Journal Paper Reviewing

Prof Alka Parikh

• International Journal of Rural Management, SAGE

Prof Anil K Roy

• IEEE Sensors Journal, IEEE
• IEEE Transaction on Industrial Electronics, IEEE

Prof Bhaskar Chaudhury

• Physics of Plasmas, American Institute of Physics Publishing
• IEEE Transactions on Plasma Science, IEEE
• IEEE Transactions on Microwave Theory and Techniques, IEEE
• Journal of Electromagnetic Waves and Applications, Taylor & Francis
• Journal of Applied Physics, American Institute of Physics Publishing
• Plasma Sources Science and Technology, Institute of Physics

Prof Biswajit Mishra

• Journal of the Institution of Engineers, Springer
• Sensors and Actuators, Elsevier

Prof Deepak Ghodgaonkar

• IEEE Transactions on Instrumentation and Measurement, IEEE
• IEEE Transactions on Microwave Theory and Techniques, IEEE
• IEEE Transactions on Antennas and Propagation, IEEE

Prof Ganesh Bagler

• Physica A, Elsevier
• Molecular Biosystems, Royal Society of Chemistry

Prof Manik Lal Das

• IEEE Transactions on Cloud Computing, IEEE
• IEEE Transactions on Knowledge and Data Engineering, IEEE
• IEEE Transactions on Vehicular Technology, IEEE
Prof Manish K Gupta
- IEEE Communications Letter, *IEEE*
- Journal of Applied Mathematics and Computing, *Springer*
- Discrete Mathematics, *Elsevier*
- Applicable Algebra in Engineering, Communication and Computing, *Springer*
- ACM Computing Surveys, *Association for Computing Machinery*
- International Journal of Biomathematics, *World Scientific Publishing Co Pte Ltd*
- ACM Computing Reviews Journal, *Association for Computing Machinery*

Prof Manish Narwaria
- IEEE Transactions on Image Processing, *IEEE*
- IEEE Journal of Selected Topics in Signal Processing, *IEEE*
- IEEE Transactions on Circuits and Systems for Video Technology, *IEEE*

Prof Manjunath V Joshi
- Transactions on image processing, *IEEE*
- Computer Vision and Image Understanding, *Elsevier*
- Transactions on Vehicular Technology, *IEEE*

Prof Minal Bhise
- Knowledge and Information Systems, *Springer*

Prof Nabin Kumar Sahu
- American Mathematical Society review, *American Mathematical Society*
- Acta Mathematica Sinica, English series, *Elsevier*

Prof Prasenjit Majumder
- ACM TALIP, *IPM Elsevier*

Prof Rutu Parekh
- Microelectronics Journal, *Elsevier*
- Journal of Electrical and Electronic Engineering, *Science Publishing Group*
- IEEE Access, *IEEE*

Prof Rajib Lochan Das
- IEEE Transactions on Signal Processing, *IEEE*
- IEEE Transactions on Circuits and Systems, *IEEE*
- Express Briefs Circuits, Systems, and Signal Processing, *Springer*

Prof Sanjeev Gupta
- Journal of Electromagnetic Waves and Applications, *Taylor & Francis*
- Progress in Electromagnetic Research, *EMW Publishing*
- International Journal of Applied Electromagnetics and Mechanics, *IOS Press*
- IET Circuits, Devices and Systems Journal, *IEEE*
- Indian Journal of Physics, *Springer*
- Journal of the Indian Institute of Science, *Springer*
- Iranian Journal of Electrical and Computer Engineering, *Springer*
- International Journal on Science and Technology, *JISAT*
- Journal of Communication Technology, *ICTACT*
- ADIT Journal of Engineering, *A.D. Patel Institute of Technology*

Prof Yash Agrawal
- IEEE Transactions on Electromagnetic Compatibility, *IEEE*
- COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, *Emerald*
Conference-Paper Reviewing

Prof Anil K Roy

Prof Asim Banerjee
- National Conference on Communication, Guwahati, Assam, 4-6 Mar. 2016

Prof Anish Mathuria

Prof Hemant A Patil
- Forum for Information Retrieval Evaluation, DA-IICT Gandhinagar, 04-06 Dec. 2015
- INTERSPEECH 2015, Dresden, Germany, 06-10 Sept. 2015
- EUSIPCO 2015, Nice, France, 31 Aug.-04 Sept. 2015

Prof Manish Narwaria
- ACM International Conference on Multimedia System, Klagenfurt, Austria, 10-13 May 2016

Prof Minal Bhise
- Fifth Nirma University International Conference on Engineering, Nirma University, Ahmedabad, 26-28 Nov. 2015

Prof Pokhar M Jat

Prof Prasenjit Majumder
- The 38th Annual ACM SIGIR Conference 2015, 9-13 Aug. 2015
- Conference and Labs of the Evaluation Forum, Toulouse, France, 8-11 Sept. 2015
- The Third International Conference on Mining Intelligence and Knowledge Exploration, IIIT, Hyderabad 9-11 Dec. 2015
- Forum for Information Retrieval Evaluation, DA-IICT, Gandhinagar, 4-6 Dec. 2015

Prof Puneet Bhateja

Prof Rutu Parekh

Prof Sanjay Srivastava

Prof Sanjeev Gupta
- Fifth Nirma University International Conference on Engineering, Nirma University, Ahmedabad, 26-28 Nov. 2015

INVITED LECTURES/TALKS/COURSES

Prof Aditya Tatu
- ‘Inverse Problems,’ CHARUSAT, Nov. 2015

Prof Alka Parikh
- ‘Course on Economics at IIIT,’ Vadodara, July-Dec. 2015
• Sessions on ‘Qualitative and Quantitative Research Methodologies’ KSP Women’s Study Center, University of Pune, 12-13 Aug. 2015

Prof Anil K Roy

• ‘Internet of Things: an evolutionary shift from Human2Machine to Machine2Machine and all machines are intelligent,’ Invited talk at MBICT, New Vallabhbhi Vidyanagar, Gujarat, 10 Aug. 2015

Prof Anish Mathuria

• Malware, phishing, and other online security threats, Space Application Centre, ISRO, Ahmedabad, 14 Aug. 2015

Prof Bhaskar Chaudhury


Prof Bharani Kollipara


Prof Biswajit Mishra


Prof Deepak Ghodgaonkar

• ‘Microwave NDT,’ ISTE Short Term Training Program, ‘Recent Trends in Communication Engineering,’ Nirma University, Ahmedabad, 18 Dec. 2015

Prof Ganesh Bagler

• “Modeling interconnected systems with complex networks paradigm” and “Drug Discovery with systems biological approach,” Government Women Engineering College, Ajmer, 4 Oct. 2015
• “Introduction to Systems Biology” and “Application of Graph Theoretical Modeling for Analysis Biological Complex Systems,” 4th SERC School in Nonlinear Dynamics, Manipur University, Imphal, 5-8 Dec. 2015

Prof Hemant A Patil

• ‘Speech Source Modelling and Its Application,’ Summer School, DA-IICT Gandhinagar, 04-08 July, 2016
• ‘Spoofing Attacks in Voice Biometrics,’ Conference of Signal Processing, CCOE, Pune, 10 June 2016
• ‘Signal Processing and Random Process’ and interaction with faculty and students, Dept. of ECE, RGCER (academic college), a part of Meghe Group of Institutions (MGI), Nagpur, 22-23 Jan. 2016
• ‘Advances in Signal Processing and Communication Technology’ GUJCOST sponsored workshop, EC department of Charotar University of Science & Technology, Changa, 31 Oct. 2015
• ‘Introduction to Signal and Speech Processing,’ CSE Department, Nirma University, 20 Aug. 2015
• Visiting faculty, IIIT Vadodara, BTech. Semester-III core course ‘System and Signal Theory,’ Autumn Semester 2015
• Visiting faculty, IIIT Vadodara, BTech. Semester-III core course ‘Signals and Systems,’ Autumn Semester 2015
• Visiting faculty, IIIT Vadodara, BTech. Semester-VI science elective course ‘Speech Science and Technology,’ Winter 2016

Prof Laxminarayana Pillutta

• ‘Statistical Signal Processing,’ CEP course conducted, for ISRO-SAC Scientists, DA-IICT, Gandhinagar, 8-12 Mar. 2016
Prof Manik Lal Das

- Teaching courses, IIIT, Vadodara

Prof Manish K Gupta

- ‘Some Interdisciplinary Emerging Opportunities in Science and Technology,’ Centre for Interdisciplinary Studies in Science and Technology, Sardar Patel University, 4 Mar. 2016

Prof Manjunath V Joshi


Prof Mukesh Tiwari


Prof Minal Bhise

- Taught Internet Technology in Knowledge Society, UG Core course, IIIT, Vadodara during Autumn, 2015-16

Prof Naresh Jotwani


Prof Pokhar M Jat

- ‘Introduction to Semantic Web,’ Vadodara Institute of Engineering, Vadodara, India, Dec. 2015

Prof Prasenjit Majumder

- Information Retrieval Evaluation for Indian Languages: FIRE 2015, DA-IICT, Gandhinagar, 4-6 Dec. 2015
- Entity ranking, Indian Statistical Institute, Kolkata, 2015
- Indian language text searching: TIFAC, New Delhi

Prof Ranendu Ghosh


Prof Rutu Parekh


Prof Sanjay Srivastava

- Computational Intelligence in Internet of Things, IEEE CIS Winter School, 1-5 Mar. 2016
- An Overview of IoT Research, Workshop on Recent trends in Internet of Things (IoT), CHARUSAT, 18 Sept. 2015

Prof Sanjeev Gupta

- ‘Microwave System Design,’ EC Department, Charotar University of Science and Technology, Changa, Gujarat, 16 Sept. 16, 2015
- ‘Basics of Antennas’ ISTE Approved Short Term Training Program, ‘Recent Trends in Communication Engineering,’ Institute of Technology, Nirma University, 16 Dec. 2015
- ‘RF and Microwave Engineering—Emerging Areas,’ LD College of Engineering, Gujarat Technological University, Ahmedabad, 12 Feb. 2016

Prof Shweta Garg

- Gender Sensitization, GLS University, July 2016
• Dramatics workshop Foundation Program at IITRAM, Ahmedabad, 10 Aug. 2015
• Dramatics and Communication, Expert Lecture, Student Development Program, English Department, Central University Gujarat, 7 Aug. 2015
• Business Communication Skills Course, Management Development Program, School of Petroleum Management, PDPU, Gandhinagar, July-Aug. 2015

Prof Suman K Mitra
• Annual Day Workshop of Machine Intelligence Unit, ISI, Kolkata, Mar. 2016
• The TCS Innovation Lab, Kolkata, Mar. 2016
• The IEEE, NAECON, The University of Dayton Ohio, University of Dayton Research Institute, Ohio, USA, July 2016

Prof Vishvajit Pandya
• ‘Thinking Forests’: New Perspectives on Natural and Cultural Conservation, Bombay Natural History Society, Pench Tiger Reserve, 16 May 2016

CONFFERENCE/WORKSHOP SESSION CHAIR (CONFERENCES/WORKSHOP PARTICIPATION)

Prof R. Nagaraj
• 7th Annual Oracle Users Group Conference, Hyderabad International Convention Centre, Hyderabad, 21-22 Nov. 2015

Prof Amishal Modi
• Conference ‘City Lives: Spaces and Narratives,’ Paper Title: ‘Sexuality and the City,’ The Maharaja Agrasen College, Delhi University, Mar. 2016

Prof Anil K Roy
• IEEE SENSORS 2015, Busan, South Korea, 1-4 Nov. 2015
• IEEE International Ultrasonics Symposium, Taipei, Taiwan, 21-24 Oct. 2015

Prof Anish Mathuria
• Tenth Inter-Research-Institute Student Seminar, ‘Computer Science,’ Trivandrum, 21 Jan. 2016

Prof Bhaskar Chaudhury
• The 30th IEEE International Parallel & Distributed Processing Symposium, Chicago, USA, 23 May 2016
• Twenty Seventh IUPAP Conference on ‘Computational Physics,’ IIT Guwahati, India, 2-5 Dec. 2015

Prof Biswajit Mishra
• Organiser, Workshop on Patent and IPR Awareness with TIFAC, DST

Prof Deepak Ghodgaonkar
• International Workshop Antenna Innovations and Modern Technologies, Hotel Pride, Ahmedabad, 26-27 Dec. 2015

Prof Hemant A Patil
• International Conference on Signal Process and Communication, IISc Bangalore, 12-15 June 2016
• The 41st IEEE International Conference on Acoustics, Speech and Signal Processing, Shanghai, China, 21-25 Mar. 2016
• Winter School on Speech and Audio Processing 2016, Chennai, 8-11 Jan. 2016
• INTERSPEECH 2015, Dresden, Germany, 6-10 Sept. 2015
• Twenty Third European Signal Processing Conference, Nice, France, 31 Aug.-04 Sept. 2015
• Eighteenth International Conference on Text, Speech and Dialogue, Lecture Notes in Artificial Intelligence, Springer, Pizen, Czech Republic, 14-17 Sept. 2015
• Twenty Third European Signal Processing Conference, Nice, France, 31 Aug.-4 Sept. 2015
• First International Workshop, the History of Speech Communication Research, Dresden, Germany, 05 Sept. 2015
• Tutorial on Phase Estimation: From Theory to Practice, INTERSPEECH 2015, Dresden, Germany, 06 Sept. 2015.
• International Workshop, ‘Speech Robotics,’ Dresden, Germany, 11 Sept. 2015
• DeitY ASR Phase-II workshop and PI meeting, IIT Madras, 08-09 June 2016
• DeitY TTS Phase-II PI meeting, WiSSAP 2016, SSNCOE, Chennai, 08-11 Jan. 2016

Prof Laxminarayana Pillutla
• The International Symposium on Wireless Personal Multimedia Communications 2015, Hyderabad, India, 13-16 Dec. 2015

Prof Madhumita Mazumdar

Prof Manik Lal Das
• World Summit, Accreditation, National Board of Accreditation, 18-20 Mar. New Delhi, 2016

Prof Manish K Gupta
• Start-up India Stand-up India, National Event, New Delhi, 16 Jan. 2016
• IEEE International Workshop, Signal Design and its Applications in Communications, IISc Bangalore, 13-18 Sept. 2015

Prof Minal Bhise
• Winter School on Computational Intelligence, Mar. 2016

Prof Mukesh Tiwari

Prof Prasenjit Majumder
• The 7th meeting of Forum for Information Retrieval Evaluation 2015, DA-IICT, Gandhinagar, 4-6 Dec. 2015

Prof Puneet Bhateja
• Asia Pacific Software Engineering Conference, New Delhi, 1-4 Dec. 2015

Prof Rahul Dubey
• ARM TechCon, Santa Clara, CA, USA, 10-12 Nov. 2015
• Xilinx Software based Design, San Jose, CA, USA, Feb. 2016
• IoT World, Santa Clara, CA, USA, May 2016
• SilverSpring Network Developer meet, San Jose, CA, USA, 06 June 2016
• SemiCon West, San Francisco, CA, USA, 11 July 2016

Prof Rahul Muthu
• ‘International Conference on Current Trends in Graph Theory and Computation,’ Delhi, India 17-19 Sept. 2016

Prof Ranendu Ghosh

Prof Sanjeev Gupta
• ‘Integrated Active Antennas’ Workshop on ‘Advances in Signal Processing and Communication Techniques,’ Charotar University of Science and Technology, Changa, Gujarat, 31 Oct. 2015
Prof Suman K Mitra


Prof Yash Agrawal

- One week short term course, Advances in Design Techniques for Low Power VLSI and MEMS Systems, NIT, Hamirpur, 18-23 July 2016

CONFERENCE PROGRAM COMMITTEE

Prof R. Nagaraj

- Organizing Chair, IEEE-CIS Winter School on ‘Research Trends in Computational Intelligence-Theory & Applications,’ 01-05 Mar. 2016
- Member, Organizing Committee of Summer School, ‘Speech Signal Processing,’ 04-08 July 2016
- Member, Summer School, ‘Advances in Speech and Audio Processing,’ 19-20 July 2016

Prof Anil K Roy

- 2016 IEEE Computational Intelligence Society Winter School, Gandhinagar, 01-05 Mar. 2016

Prof Anish Mathuria

- Member, Program Committee, ‘11th International Conference on Information System Security,’ Kolkata, 16-20 Dec. 2015

Prof Biswajit Mishra

- TPC and Session Chair, IEEE VLSI-SATA, Bangalore, 8-10 Jan. 2015

Prof Deepak Ghodgaonkar


Prof Hemant A Patil

- Member, Technical Committee, EUSIPCO 2015, 31 Aug.-04 Sept. 2015
- Chair, Organizing Committee, Summer School on Speech Source Modelling and Its Applications, DA-IICT, Gandhinagar 04-08 July 2016
- Chair, organizing committee, Summer School on Advances in Speech and Audio Processing: From Representations and Models to Applications, DA-IICT Gandhinagar, 19-20 July 2016

Prof Manik Lal Das

- Coordinator, Workshop on Big Data Analytics, DA-IICT, Gandhinagar, 04 Dec. 2015

Prof Manish K Gupta

- Coordinator, Organizing Committee, TIFAC Patent and IPR Awareness Workshop, DA-IICT, Gandhinagar, 11 July 2015

Prof Manish Narwaria

- ACM International Conference on Multimedia System, Klagenfurt, Austria, 10-13 May 2016

Prof Minal Bhise

- Subject Expert Member, Research Progress Committee, Nirma University, Ahmedabad
- External Expert, Selection Committee, Computer Science, INFLIBNET, IUC of UGC, MHRD
Prof Prasenjit Majumder
- Co-ordinator, Forum for information Retrieval Evaluation, DA-IICT, Gandhinagar, 04-06 Dec. 2015

Prof Rutu Parekh
- Member, Technical Program Committee, International Academic Conference on Computer, Networks and Communication Technology, Xiamen, China, 16-18 Dec. 2016
- Member, Program Committee, 2016 International Conference on Electrical Engineering and Industrial Engineering, Shanghai, China. 11-12 Dec. 2016
- Member, Program Committee, World Congress on Mechanical and Electrical Engineering, Jinan, China, 25-26 Oct. 2016
- Member, Program Committee, International Conference on Electrical Engineering and Industrial Engineering, Hangzhou, China, 12-13 Dec. 2015

Prof Sanjeev Gupta
- Member, National Advisory Council, 4th National Conference on Innovation and Emerging Technologies, SR Patel Engineering College, District Mehsana, Gujarat, 02-03 June 2016
- Member, Program Committee, International Conference on Computers, Communication and Computational Sciences, Aryabhata College of Engineering and Research Centre, Ajmer, 12-13 Aug. 2016

Prof Suman K Mitra
- Chair, Program Committee, IEEE CIS Winter School, Mar. 2016

SPONSORED RESEARCH PROJECTS

Prof Anil K Roy
- Principal Investigator, ‘Certification testing for Smart City-Gandhinagar, 2016,’ funded by (n)Code Solutions, a Division of Gujarat Narmada Valley Fertilizers and Chemicals Ltd., Ahmedabad.

Prof Anish Mathuria
- Co-Principal Investigator, ‘Study of Privacy, Accountability and Ownership in IoT,’ funded by DST, Indo-French Centre for Promotion of Advanced Research

Prof Bhaskar Chaudhury
- Principal Investigator, ‘Kinetic Modelling of Large size Negative Ion Sources for Fusion Application using Emerging Parallel Processing Computer Architectures,’ funded by Department of Atomic Energy, Board of Research in Nuclear Sciences
- Principal Investigator, ‘Establishing NVIDIA GPU Research Center (GRC) DA-IICT, Gandhinagar,’ funded by NVIDIA Corporation, USA

Prof Biswajit Mishra

Prof Deepak Ghodgaonkar
- Principal Investigator, ‘Ultra Wide Band Dielectric Resonator Antennas,’ funded by Space Application Centre, ISRO, Ahmedabad
Prof Hemant A Patil

- Principal Investigator, ‘Development of text to speech synthesis system in Indian Languages: High quality text to speech synthesis and small footprint TTS integrated with disability aids,’ funded by Department of Electronics and Information Technology (DeitY), Ministry of Communications & Information Technology, Government of India
- Principal Investigator, Development of Prosodically Guided Phonetic Engine for Searching Speech Databases in Indian Languages,’ funded by Department of Electronics and Information Technology (DeitY), Ministry of Communications & Information Technology, Government of India.
- Principal Investigator, ‘Development of Infant Cry Analyzer using Source and System Features,’ funded by Department of Science and Technology, New Delhi, India.
- Principal Investigator, ‘Speech-Based Access of Agricultural Commodity Prices and Weather Information in 11 Indian Languages/Dialects,’ funded by Department of Electronics and Information Technology, Ministry of Communications & Information Technology, Government of India.
- Co-Principal Investigator, ‘India Digital Heritage (IDH) – A DST Initiative,’ funded by Department of Science and Technology, New Delhi, India.

Prof Laxminarayana Pillutla

- ‘Fund for Improvement of S&T Infrastructure – PG and PhD Program in CSP,’ funded by DST

Prof Manik Lal Das

- Principal Investigator, ‘Study of Privacy, Accountability and Ownership in IoT,’ funded by Department of Science and Technology, Government of India under Indo-French Collaborative Research Program under DST-INRIA-CNRS Targeted Program

Prof Manish K Gupta

- Investigator, ‘Biological System Based Data Storage,’ funded by Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar
- Investigator, ‘Workshop on Patent and IPR Awareness,’ funded by Technology Information Forecasting and Assessment Council (TIFAC), DST, India
- Co-Principal Investigator, ‘Technology Incubation and Development of Entrepreneurs (TiDE) center,’ funded by Department of Information Technology, Ministry of Communications and Information Technology, Government of India
- Principal Investigator, ‘Nodal Institute for promoting start-ups/innovation at DA-IIICT,’ funded by Industries Commissionerate, Government of Gujarat

Prof Manoj Kumar Raut

- ‘Knowledge Compilation in Modal and Multi-modal Logic,’ NBHM, DAE

Prof Manjunath V Joshi


Prof Prasenjit Majumder

- CLIA Funded by DEITY, Government of India

Prof Ranendu Ghosh

- ‘Detection of heavy metal pollution in vegetation and characterisation of soil clay minerals using AVIRIS-NG,’ AO by SAC, ISRO
- ‘Network on Data Science Research,’ as consortium partner along with five other institutes to DST, Government of India

Prof Sanjay Srivastava

- Co-Principal Investigator, ‘Certification testing for Smart City-Gandhinagar, 2016,’ funded by (n)Code Solutions-a division of Gujarat Narmada Valley Fertilizers Chemicals Ltd., Ahmedabad.
Prof Sanjeev Gupta

Prof Saurabh Tiwari

VISIT TO INSTITUTES/ INDUSTRIES

Prof Hemant A Patil
- PRSG meeting, to report the progress of DeitY sponsored ASR Phase-II consortium project, 19 Feb. 2016
- Expert faculty, to review curriculum of Semester V-VIII UG, Department of Electronics & Telecommunication Engineering, YCCE Nagpur, 06 Jan. 2016
- Inaugural function, launch for TTS technology developed by the DeitY TTS Phase-II consortium during Digital India Program, where the MOU between TTS Consortium and OS Labs Technologies India Ltd for technology transfer of TTS in 9 Indian languages, New Delhi, 28 Dec. 2015
- Expert Faculty to, review the work of PG students, Gujarat Technological University, Ahmedabad, 22-23 Dec. 2015, 18 Mar. 2016 & 6 Apr. 2016

Prof Laxminarayana Pillutla
- The institute at The Mathworks Academic Summit, Bangalore, 03 Nov. 2015

Prof Manik Lal Das
- National Institute of Technology, Surat, India, Dec. 2014 and June 2015

Prof Manjunath V Joshi
- Coimbatore Institute of Technology 10-12 June 2016

Prof Rahul Dubey
- Xilinx, San Jose, USA, Feb. 2016
- Mark One prototyping and testing lab, Santa Clara, CA, USA, Dec. 2015

Prof Sanjeev Gupta
- Eleventh Board of Studies Meeting at EC Department of Electronics and Communication Engineering, Charotar University of Science and Technology, Changa, Gujarat, 8 Aug. 2015
- Faculty Board Meeting, Charotar University of Science and Technologies, Changa, Gujarat, 8 Aug. 2015
- External Expert of the Selection Committee for selection of Professors, Department of Electronics and Communication Engineering, Institute of Technology, Nirma University, Ahmedabad, 14 Aug. 2015
- Doctoral Progress Committee Review Member, Subject Expert for evaluation of PhD Student of Gujarat Technological University, Ahmedabad, 19 Sept. 2015
- PhD Thesis External Examiner, Charotar University of Science and Technology, Changa, Gujarat, 26 Sept. 2015
- Seventh Board of Governors Meeting of Government Engineering College (GEC), Gandhinagar, 17 Oct. 2015
- External Expert of the Screening Committee for grant of higher academic grade pay to faculty under Career Advancement Scheme, Department of Electronics and Communication Engineering, Institute of Technology, Nirma University, Ahmedabad, 4 Nov. 2015 and 29 Dec. 2015
- External Expert of SAC Promotion Interview Committee (Scientist-SC to Scientist-SD), Space Applications Centre (SAC), Department of Space, Government of India, Ahmedabad, 24 Nov. 2015 and 14 June 2016
- Convenor of DAC and Gender Cell Meeting, IIIT Vadodara, 10 Feb. 2016
• Subject Expert for Promotion of Faculty (Assistant and Associate Professors) at Institute of Technology, Nirma University, Ahmedabad, 20 Feb. 2016
• Meeting for setting up Sports Complex for academic institutions located along knowledge corridor of Gandhinagar and Ahmedabad, PDPU, 1 Mar. 2016
• Third Advisory Board Meeting, Charotar University of Science and Technology, Changa, Gujarat, 3 Mar. 2016
• External Examiner for ME and PhD Dissertations ME, Gujarat Technological University, Ahmedabad, 15 & 17 Mar. 2016
• Ninth Board of Governors Meeting of Government Engineering College, Gandhinagar, 30 Apr. 2016
• Reviewer of M Tech and PhD Dissertations, Charotar University of Science and Technology, Changa, Gujarat, 9 May 2016
• First Board of Governors Meeting of IIIT Vadodara, 23 June 2016
• External Expert of the Selection Committee for selection of Assistant Professors, Department of Electronics and Communication Engineering, Institute of Technology, Nirma University, Ahmedabad, 11 July 2016

Prof Suman K Mitra
• TCS Innovation Center, Kolkata
• University of Dayton, Ohio, USA

CONSULTANCY WORK
Prof Ranendu Ghosh
• Consultant, ‘Training on Information and Communication Technology Management’ to MEW and UN-FAO Officials, Afghanistan, DA-IICT, Gandhinagar, 23 May to 3 June 2016, consortium partner Sanguine Management Services, Ahmedabad

Prof Naresh Jotwani
• Consultant, KISAN SOLAR-start-up, Ahmedabad

AWARDS/HONOURS
Prof Mukesh Tiwari
• International Travel Support (ITS) by SERB, Apr. 2016

Prof Bhaskar Chaudhury
• Travel award from National Science Fund (NSF, USA) / Intel funds to present paper at the ‘30th IEEE International Parallel & Distributed Processing Symposium,’ May 2016, Chicago, USA

Prof Biswajit Mishra
• Best Student paper award: Prime Asia, India, 2015
• Best oral paper award (Climate Track): IISF-DST-TIFAC, New Delhi, India, 2015

Prof Deepak Ghodgaonkar
• Fellow, Institution of Engineers, Malaysia
• Life Fellow, Institution of Electronics and Telecommunication Engineers, India.
• Senior Member, Institute of Electrical and Electronics Engineers, (SMIEEE), USA

Prof Hemant A Patil
• NVIDIA Hardware Grant Titan X GPU for Speech Research 8 Mar. 2016
• Session Chair, EUSIPCO 2015, France, 31 Aug.-04 Sept. 2015.
• Session Chair, INTERSPEECH 2015, Germany, 6-10 Sept. 2015
• Eighteenth International Conference on Text, Speech and Dialogue, Plzen, 14-17 Sept. 2015
• Conference on Advances in Signal Processing, Pune, 9-11 June 2016
• IIIT Vadodara to teach a BTech. core course on Signals and Systems during Autumn 2015 and Winter 2016
• DeitY TTS Phase-II Team (Ms. Tanvina B. Patel and Dr. Hemant A Patil) has topped in a
worldwide competition, ‘ASV Spoof Challenge 2015 during INTERSPEECH 2015, Dresden, Germany’

**Prof Manjunath V Joshi**

- A plaque of appreciation on achieving excellence in teaching and research at DA-IICT, Teacher’s Day, 5th Sept. 2015
- Mentor, the Mentoring Sessions, 8th International conference on communication system and networks, Bangalore, India, 5-9 Jan. 2016
- NVIDIA Hardware Grant Geforce GTX Titan X GPU for research, Apr. 2016

**Prof Manish K Gupta**

- Featured in Five Manish Gupta (Interview by Angela Pugh, ACM Computing Reviews Journal), USA, Feb. 2016

**ANY OTHER SIGNIFICANT CONTRIBUTIONS**

**Prof Asim Banerjee**

- Member, RPS committee, three PhD Scholars of Computer Science and Engineering Department of SVNIT, Surat
- Member, RPS committee, one PhD Scholars of Electronics and Communication Engineering Department of SVNIT, Surat
- Examiner for a PhD Scholars, Electronics & Communication Engineering Department of SVNIT, Surat
- Supervisor, one PhD Scholars of Ganpat University, in the area of Bio-medical Engineering
- Convenor, Post Graduate Committee DA-IICT

**Prof Biswajit Mishra**

- External Examiner, GPSC, Government of Gujarat
- State Evaluator, NCSC, DST, Government of India
- Faculty Selection Committee IIITV, 2014
- Faculty Selection Committee AU, Ahmedabad, 2015
- External Examiner, GTU, Gujarat
- External Examiner, SVNIT, Surat
- External Examiner, PhD. Ahmedabad University

**Prof Deepak Ghodgaonkar**

- Member, Research Promotion Committee, 23 June 2016

**Prof Ganesh Bagler**

- Research was adjudged at the Best of 2015, MIT Technology Review, Dec. 2015

**Prof Hemant A Patil**

- Resource faculty, CEP program for ISRO Scientists, DA-IICT, Mar. 08-12, 2016
- Developed a state-of-the-art Speech Signal Processing Laboratory
- Linked Speech Lab at DA-IICT to ISCA Speech Labs (across the world) website. This is First Speech Lab from India which is being linked to ISCA Speech Labs.
- Principal Investigator and Co-Principal Investigator for five centrally Government funded sponsored
- Proposed, new MTech (ICT) program with specialization in Signal Processing.
- Coordinator, MTech (ICT) with specialization in Signal Processing
- Observer, Surat Center for online entrance examination for MSc (IT) and MSc (ICT in ARD) program at DA-IICT for Admissions 2015-2016

**Prof Manish Narwaria**

- A US patent application is under review for work on High Dynamic Range video quality measurement. The title of the invention is
‘Method for Determining a Visual Quality Index of a High Dynamic Range Video Sequence’

Prof Manish K Gupta

- Patents filed, ‘Replication and storage of media data in bacteria and other similar microorganisms,’ Mar. 2016, Inventors: Manish K Gupta, Dixita Limbachiya, Taslimarif Saiyed and Ravikumar M. Reference Number: T.1 (06)/TIFA/2016
- Member Doctoral Committee, Pandit Deendayal Petroleum University
- PhD Thesis External Examiner, Bharatidasan University, June 2016
- PhD Thesis External Examiner, Dibrugarh University, June 2016
- Award Reviewer, Gandhian Young Technological Innovation awards, given by SRISTI (Society for Research and Initiatives for Sustainable Technologies and Institutions) at Rashtrapati Bhavan as part of Festival of Innovation hosted by the Office of the President of India, 2016
- Member, Gujarat State Level Implementation Committee for Start-up/Innovation, Industries Commissionerate, Government of Gujarat
- Coordinator, Screening Committee for Gujarat Government Nodal Institute for start-ups at DA-IICT
- Member, Due-Diligence & Project Mentoring of Indo-Spain Industrial R&D Project of Global Innovation & Technology Alliance (GITA), A joint venture of Technology Development Board, Department of Science and Technology and Confederation of Indian Industry
- Coordinator, ICICI Bank Trinity Program, DA-IICT
- Chairman, Executive Council, DA-IICT Center for Entrepreneurship and Incubation
- Member, Executive Council, DA-IICT Center for Entrepreneurship and Incubation
- Contributed, Scheme for Supporting Creation of World Class Incubators of the Department of Industrial Policy and Promotion of Ministry of Commerce, Government of India
- Contributed, action planning and generating the agenda for the draft of the Financing Innovations Roundtable Meeting of FOIN 2016 (held at Rashtrapati Bhavan in Mar. 2016), IIM Ahmadabad, 16 Feb. 2016
- Contributed, for drafting the vision document for start-ups in Gujarat, June 2016
- Contributed, robust DA-IICT Faculty Entrepreneurship Policy and contributed to the key points, Jan. 2016

Prof Mukesh Tiwari

- Member, Expert Committee, setting up Physics Laboratory, IIIT Vadodara

Prof Prasenjit Majumder

- Serving Project Review Steering Committees, constituted by Ministry of Electronics and Information Technology, Government of India. The tenure is 2015-2018

Prof Rahul Dubey

- Certificate in Embedded Systems, University of California, Santa Cruz, Silicon Valley Extension, June 2016, CA, USA
- Course on 3D Printing, Continuing Education, June 2016, Sunnyvale, CA, USA

Prof Sanjeev Gupta

- External Expert, SAC Promotion Interview Committee (Scientist-SB to Scientist-SC and Scientist –SC to Scientist-SD), Space Applications Centre, Department of Space, Government of India, Ahmedabad
- External Expert Member, selection of faculty at Institute of Technology, Nirma University, Ahmedabad
- External Expert Member, selection of faculty, Gujarat Technological University, Ahmedabad.
• Subject Expert, faculty selection, Charotar University of Science and Technology, Changa, Gujarat
• Member, Doctoral Progress Review Committee, PhD students of Gujarat Technological University, Ahmedabad
• Expert Member, Research Progress Committee, Faculty of Doctoral Studies and Research, Nirma University, Ahmedabad
• PhD Reviewer, Charotar University of Science and Technology, Changa, Gujarat.
• Reviewer, ME Dissertations, Gujarat Technological University, Ahmedabad
• Subject Expert to review the academic performance of ME, Wireless and Mobile Computing, Gujarat Technological University

• PhD Thesis Examiner, Charotar University of Science and Technology, Changa, Gujarat.

Prof Shweta Garg
• Examiner and Selection Panelist Member, SPM, PDPU for MBA admissions

Prof Yash Vasavada

Prof V Sunitha
• PhD Research Progress Committee, SRM University, Chennai
Faculty and Staff Updates

FACULTY

The faculty consisted of regular faculty, visiting faculty on full time basis besides adjunct faculty who taught specialized courses. The list of faculty members is Annexure 3.

New Faculty
The following faculty have joined the Institute during 2015-16:
1. Saurabh Tiwari joined as Assistant Professor on 17 August 2015
2. Ashutosh Bhatia joined as Assistant Professor on 27 November 2015
3. Rajib Lochan Das joined as Assistant Professor on 10 December 2015
4. Manish Narwaria joined as Assistant Professor on 16 December 2015
5. P S Kalyan Sashidhar joined as Assistant Professor on 21 December 2015

Faculty Resignation
1. Purushothaman A. Assistant Professor on 04 December 2015

STAFF

New Staff
1. Sunil Kumar Jain, Manager-Placement & CEP wef 17 August 2015
Co-curricular activities form an important part of student life at DA-IICT. The campus continued to be a vibrant and lively place, with sports, cultural and other activities throughout the year. Students distinguished themselves in a diversity of international and national level competitions, won several prizes, or made it to the finalist teams, and brought further prominence to DA-IICT among the top engineering institutions in the country.

**Synapse-2016**

The twelfth edition of Synapse, the Annual Techno-Cultural Festival of DA-IICT, was organized from February 25 to 28, 2016. The events at Synapse were designed to inspire solutions in which technology, culture, humanitarianism, and viability symbiotically coexist. 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 festival 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-2016. The surfeit of technical and cultural events enthralled audiences across the board – from those interested in the arts, to the geeks who only enjoy life in front of a computer screen. The main attractions were musical performance by Rainbowdreamers, Standup comedy by Biswa Kalyan Rath, Ragnarock (Rock concert) by Parvaaz, EDM night by VH1 supersonic featuring Naved Khan and DJ Ray, and KK live-in concert.

**Sports and Concours**

Concours, the Annual Inter-College Sports Festival of DA-IICT was held from October 29 to November 1, 2015 at DA-IICT. Shri Harmit Rajul Desai, Silver medallist (table tennis) Commonwealth Game 2013, was the Chief Guest at the Opening Ceremony. This event saw a participation in ten sport events by about 1000 students (including 200 girls) from colleges from and outside Gujarat. Shri Sandeep Narwal and Shri. Ravinder Pahal of Pro-Kabaddi League of India were the Chief Guests at Closing Ceremony.

The Sports activities during the year saw a significant increase, with the highlights being the hosting of tournaments with other institutes, a wider variety of activities and competitions involving many more students than during previous years and events that involved faculty, staff and students.

**Cultural**

The Cultural Committee continued its tradition of organizing highly successful, and well attended cultural events on the campus. It aims to bring out talent in the student community in all the possible forms whether it is music, dance, theatre, literary skills, sketching or other fine art styles. In order to showcase these talents various competitions like ‘Sangeet Sandhya’-'Dance Nite’-'Drama Nite’, ‘Rangoli’-'Hasya-Kavi Sammelan’ were calendared through out the year.

National festivals like Independence Day, Gandhi Jayanti, Republic Day and various other festivals were celebrated. The Cultural Committee along with the Sambhav Committee visited Blind Peoples’ Association and spent a joyful day with the special people, and thus marked the end of Independence day on a satisfying note. On Gandhi Jayanti, poetry recitation and a debate on the relevance of Gandhian values in contemporary India were followed by a quiz where participants recalled those facts about Gandhiji that they had read in their school history textbooks.

**Annual Youth Run** was organized January 26, 2016 as part of the Republic Day Celebrations. The event aimed at youngsters to promote the messages of Women Empowerment and Cleanliness and the concept of Smart City. This year the event was organized in association with the Gandhinagar Municipal Corporation and constituted a 7-km run in Gandhinagar. The run was flagged-off by the Mayor of Gandhinagar, Smt. Hansaben Modi.
Around 1700 participants took part in the event. The participants were given T-shirts with the slogan ‘Clean Smart City’ on it, taking forward the ‘Swachh Bharat Abhiyan’. Two street plays on Women Empowerment and Cleanliness by the students of DA-IICT and NIFT were organized.

**Mahila Karmayogi Diwas (Women Education Day)** was celebrated on August 7, 2015 as part of Women Empowerment Fortnight. The event was sponsored by the Government of Gujarat. Fifty girl students from Vishwakarma Government Engineering College, Ahmedabad visited DA-IICT for the event. Director DA-IICT gave a talk on the role of DA-IICT in attracting girl students and their achievements. A film on Women empowerment was also screened followed by the discussions and sharing of their experience by the participants.

**Rashtriya Ekta Diwas (National Unity Day)** was celebrated on October 31, 2015 (Birth Anniversary of Sardar Vallabhai Patel). As part of the celebrations, the Debate Club organized a general discussion on the topic ‘Relevance of Unity and Principles.’

The Debate Club organised a group discussion to commemorate the Birth Anniversary of Swami Vivekananda on January 12, 2016, as part of National Youth Day celebrations.

On Martyrs’ Day, January 30, 2016, the students and staff of DA-IICT took a pledge for cleanliness. A two-minute silence was also observed in the memory of the martyrs.

DA-IICT conducted a Yoga Session on Raja Yoga based Meditation and Relaxation as part of the International Yoga Day Celebrations on June 21, 2016.

A Roadshow was conducted on August 15, 2015 by the **A-League**, a student network that is trying to promote inter-college collaboration among students across various colleges of Ahmedabad and Gandhinagar - DA-IICT, IIM Ahmedabad, EDI, IIT Gandhinagar, NIFT and NID. The roadshow was to promote a particular event called ‘Ideathon’ which was a B-Plan event conducted on September 13, 2015 and had A-League members taking a campus tour with the posters of the event.

A-League also organized a musical event ‘An Inter-College Jam Session’ on October 10, 2015 to bring the students of the Music Club from the best colleges from Ahmedabad and Gandhinagar together at one place.

Twenty five students of DA-IIIT got an opportunity to participate in the **Open Day for Undergraduate Students** organized by IIM Ahmedabad at its campus on August 22, 2015. The Open Day was part of IIMA’s initiative to provide participating students an opportunity to experience the students life at the Institute, gain exposure to the Case Methodology used for learning at the Institute, and get an insight about career options available after management education.

DA-IICT students also got an opportunity to attend the **Ahmedabad Policy Workshop** conducted by Shri Baijayant Jay Panda, Member of Parliament in September 2015.

DA-IICT’s own [e-Campus Mall](http://daiict.campusmall.in/) started on January 20, 2016 to cater to the basic need among the students and alumni – the need to express love, pride and affection for their beloved institute through institute-branded merchandise. It will ensure a strong bond within the campus community and allow the alumni to savour their relationship beyond the four walls of the campus life.

**Student Clubs**

Student Clubs at DA-IICT campus are the medium to channel the bubbling creativity and enormous potential of students. All club activities are for the students, by the students and of the students. Some of the clubs that exist currently in DA-IICT are Film Club, Theatre Group, Prayaas, Sambhav, The Press Club, Forward Forum, Quiz Club, Martial Arts Club, Dance Club, and Debate Club.
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 a non-profit student’s group at DA-IICT which strives for bringing smiles on the faces of underprivileged people. Apart from regular teaching projects at Blind School, Orphanage for HIV positive kids, Government Primary Schools, it organised mass events on Independence Day, Republic Day, and Gandhi Jayanti. One such event worth mentioning is the Independence Day Celebration with the children from Deaf and Dumb School, Blind School and Orphanage. These children were served the food and chocolates and were taken from the Orphanage to visit Science City in Ahmedabad. They were brought to DA-IICT campus for evening supper and were finally dropped at their Orphanage.

Sambhav also organized two Blood Donation Camps (with the Civil Hospital) on September 17, 2015 and April 6, 2016. A series of weekly lectures on Self-Development Program by distinguished speakers from Shri Ram Chandra Mission (SRCM) - U-Connect Initiative, was organised from September 19, 2015. Relaxation and Meditation sessions were also organized.

The Spic-Macay Heritage Club invited the world renowned Kathak Dancer and receipient of Padma Shri, Smt. Sunayana Hazarilal for an evening lecture-cum-demonstration on September 14, 2015. She is one of the top five Kathak exponents of the country and is widely considered as the only surviving practitioner of the Benaras Gharana (Janakiprasad) of Kathak.

While Film Club provides regular entertainment to DA-IICTians in the form of screening of popular cinema, the Theatre Group has been motivated by the Budhan Theatre Group of Ahmedabad and is focused on producing prosceniums and street plays. The Group performed its own on October 6, 2015. The Group also provided a comic relief by its performance ‘Baap re baap,’ a satire on the web of relationships in a middle class Indian family. Drama Nite (in the categories of stage play, musical play (Felicity) and mimes, were organized during April 7-8, 2016.

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. The magazine covers articles by the students and the alumni on various sections – Campus Clamour, Self Science Scion, Sports, Techyon, Books, Films, Music, Food, Freeze Frame, GNA, Vuelo, Random Noise, Point Counterpoint, Warps and Wefts, Summer Chilliars, etc. The first edition of the magazine came out in the year 2005 and July 2016 is the latest one. The Press Club under the guidance of a faculty mentor is constituted every year by the Student Body Government. One of the students is elected as the Editor of the Magazine and other student members serve as Section Heads of various sections of the magazine.

The Debate Club has grown remarkably since its inception in 2009. Besides conducting weekly debates and Intra-college debate competitions, the club has also organised a Youth Parliament and an Inter-college Parliamentary Debate. Twelve students participated in GNLU Parliamentary Debate 2015 held from September 18-20, 2015. It also conducted an Open Forum Discussion on the topic ‘Net Neutrality - For or Against’ on February 18, 2016.

To enrich the students with various hobbies such as theatre, dance, instrumental and vocal music, art, etc workshops were conducted which served as a platform nurturing budding talent. ‘Friday Night Live’, an initiative of the Music club in DA-IICT was introduced to encourage the students and provide them with a platform to showcase their talent. The musical talent of the students was at its best during the much awaited musical event ‘Raaga,’ which was organized by the Music Club organized on November 20-21, 2015. Indian Solo, Indian Duet, Indian Group, Rhyme, Standup Comedy, Western
Solo, Western Duet, Western Group, Instrumental and Rap were organized as part of the event.

**Dance Club** -- the Dance Coders, tried its best to combine the deep-seated passion for the art with dedication and teamwork. A Dance Nite was conducted on January 20, 2016. The event was held in various categories -- Indian Solo, Western Solo, Duet and Group.

**Quiz Club** (Headrush) organized regular quiz events on campus, and encourages students to participate in various quiz competitions around the country. A general quiz for the faculty was organized on September 22, 2015. The quiz contained questions from all fields of interest, from Science, Technology, Business to World and Indian History as well as questions on Pop Culture, Movies, Music, Literature, Sports and Etymology.

**Cubing Club** conducted various sessions on different methods of solving the 3x3 Rubik’s cube and the notations of the cube. The session introduced them to various types of puzzles including the Pyraminx, Mirror cube and the regular 3x3, 4x4, 5x5, etc.

**Excursion Club** organized an exciting and adventurous trip to Alibaug, Maharashtra and Water Kingdom (Essel World), Mumbai, Maharashtra during September 24 - 27, 2015.

**Fashion Week** was organized from November 16 to 20, 2015. There was a theme (corporate, traditional, movie, colour code) decided for each day and everyone dressed up accordingly. Students from all the batches were given an opportunity to bring forth their creative and aesthetic skills when they designed their costumes on the basis of a particular theme.

**Cultural weekend** (involving various events like painting, sketching, housie) was organised during April 9-10, 2016

The **Hostel Management Committee (HMC)** organized the Hostel Cleanliness Drive and Cleanest Room & Wing Competitions, in both the Halls of Residence (HOR) – Men and Women in March 2015. Mr. Hari Om Gandhi, Zonal Director of Narcotics Control Bureau interacted with the students and gave a talk on ‘Drug Abuse and Living a Healthy Life’ on March 4, 2016. A talk and interaction by Oowomanjya, an online organization working on women’s health was organised on January 18, 2016. The invited speaker was Dr Shital Punjabi, a leading gynecologist from Ahmedabad.

In line with the **Swachha Bharat Abhiyan**, the HOR Women have organized a poster making competition for first year women students to raise awareness on the cleanliness of the hostel and common areas on August 25, 2015. It was followed by an hour long interaction of all the residents of HOR Women, where they were shown a skit by fellow residents on maintaining hygiene.

Apart from these non-academic and social activity clubs, few groups sound serious academic. **Electronics Hobby Club (EHC)**, **Linux Users Group (DLUG)** 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 is committed to actively promote the use of Linux and other open source software for strengthening the objective of the worldwide open source movement.

Various other student clubs were active during the year and organized their events for student groups ranging from a few dozens, to a few hundreds. Notable among these Clubs were **The Aryans**, **Web Dev Club** and **The Programming Club**.

‘**Ideoson**’, an initiative taken by the **Microsoft Club Technical Club (MSTC)** is all about developing an idea into a live app and giving it a new face and scope. Cool apps that surprise and delight mobile users, built by developers in the student community, are a vital part of the Ideoson vision. MSTC approached the students to present their ideas and then work with the skilled members over the summer to build an app and finally take them to the competitions like Microsoft Imagine Cup, Microsoft BizSpark India StartUp Challenge, mBillionth App Competition etc. The final presentation of the well-planned ideas was carried out on April 12, 2015.

**Google Developers Group** conducted GDG Devfest in October 2015.
Microsoft Technical Club invited Microsoft team at DA-IICT on March 12, 2016. One of the interesting thing which they demonstrated was ‘how to connect Raspberry Pi board to the cloud,’ a very important topic for the students interested in IoT (Internet of Things). The team also talked about the Microsoft Imagine.

Forward Forum organised lectures and other activities by eminent national and international personalities on campus.

ICICI Trinity was launched on April 25, 2016.

IEEE Student Branch Activities
IEEE Student Branch provides opportunities to the students to gain relevant knowledge and learn technical skills through experts of ICT and related areas.

Summer School’16: The Summer School 2016 was conducted at DA-IICT from June 8 to 24, 2016. The track of Summer School’16 covered all aspects of Android Development with an introduction to wearable technology as well. The sessions started from the basics of Android development, moving towards best practices and efficient design principles. Over the course of these 7 days, the students were able to build complete applications covering front end and back end development as well. To motivate beginners, their apps were published on the Google Play Store account under the Mobile Apps Special Interest Group of the IEEE Student Branch of DA-IICT. Shri. Rajat Talesra (Facilitator, Google), Shri Hitesh Kachella (Tops Technology) and Shri. Neel Mevada (KoolMind Technologies) were the invited speakers.

i. Fest’15 – Embedding Ingenuity: It aimed at providing a platform for budding engineers to showcase their talent and inculcate the valuable skill of innovation. The emerging technologies like the Internet of things (IoT) and embedded design motivated students to promote the festival with its theme being Embedding Ingenuity. It was organized by the IEEE student Branch of DA-IICT from October 23 to 25, 2015. Inaugural talk on Smart Cities was delivered by Mr. Pankaj Gupta, Senior Vice President, IL&FS (GIFT City, Gandhinagar). There were 19 events, ranging from robotics to software development (like i. Quiz, i.Bot, i.Intelligence, i.Biz, and i.Crypt), as part of this festival. Along with that, an array of attractive fun events was also organized to entice the crowd and gather greater participation which led to greater involvement in the festival. The hangout was joined by several IEEE members from across the country.

WiE Appathon’15: The Women In Engineering (WIE) affinity group of IEEE Student Branch of DA-IICT organized ‘Appathon’ on August 17, 2015 wherein the students made an innovative mobile application which could help women in any of the suggested themes (social, empowerment, utilities, education, health, lifestyle and games). Female students were encouraged to participate.

The first edition of TEDxDAIICT was held on February 21, 2016. Dr. Manisha Shah, popularly known as the ‘mother of football,’ initiated Kahaani, a sports academy in Ahmedabad to nurture the idea of better health and an understanding of the importance of sports in our daily lives. She gave an inspirational talk about her journey with Kahaani and how it has impacted the lives of thousands of kids. Other invited speakers include Ms. Jazz Sethi, a professional choreographer and founder of HEAL, a non-profit initiative which works with children suffering from cancer or any other disease, Ms. Kristin Kagetsu, Co-founder and Chief Executive Officer of Saathi, a social enterprise dedicated to providing eco-friendly sanitary pads to women everywhere, and currently an MIT DLab ScaleUps Fellow and one of the Asia21 Young Leaders, and Shri. Nitin Tailor, founder of the Serve Happiness Foundation, which organizes youth inspirational programs and journeys to not only unravel the ethereal beauty of our country but importantly imbibe and spread the cultural values and the ensuing happiness onto our persona and the world at large.

STUDENT ACHIEVEMENTS
A Team comprising of BTech 2013 batch students - Yashwant Keswani and Akshar Varma have secured second place in Student Parallel Programming Challenge (supported by Intel and NVIDIA) at 23rd
Zarana Parekh, BTech 2013 batch student has been shortlisted from India to participate in the Viterbi-India Program (supported by The Viterbi School of Engineering, University of Southern California and the Indo-US Science and Technology Forum). This program provided her the opportunity to undertake a research internship at the Viterbi School of Engineering in summer 2016 for a period of 8 weeks.

Ms. Tanvina B. Patel, M Tech student and DeitY TTS Phase-II sponsored project staff member, has got travel grant of USD 1000 from IEEE Signal Processing Society Travel Grant, USA to present her research paper at 2016 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2016) -- a flagship event of IEEE Signal Processing Society (SPS), USA.

Sumeet Varma and Tejasv Gupta, BTech 2013 batch students secured 3rd and 7th position in India for the pre-final round of Google Code Jam-2016 respectively. Tejasv Gupta also secured 398 rank worldwide for the pre-final round of Google Distributed Code Jam-2016.

Nidhi Vyas, BTech student from Information Retrieval Lab, DA-IICT got an offer from The Center for Language and Speech Processing, Johns Hopkins University for her BTech project.

Sarita Agrawal, PhD Scholar, has earned the ‘Best Paper Award (PhD Forum Track)’ from the IEEE Advanced Networks and Telecommunications Systems (ANTS) 2016.

Zarana Parekh, BTech 2013 batch student has been selected as a recipient of the Google Anita Borg Memorial Scholarship Asia Pacific 2016.

Sumeet Verma, Kuldeep Patel, and Yash Kumar, BTech students stood second in Hackerearth Collegiate Cup held at Bangalore.

Sumeet Verma, and Yash Kumar, BTech students, stood 3rd and 9th respectively in the Sears Dots and Arrows-Hackerrank.

Mahendra Kumar Yadav, MSc (ICT-ARD) student developed mobile app for marketing agricultural products as part of his internship project.

Vandana Ravindran, Phd Scholar, was invited by The Faculty of Life Sciences, The University of Manchester, UK as Visiting Researcher under the University’s Program for visiting academics. She was at the University in March 2016 conducting research under the supervision of Prof David Robertson and Dr Jean-Marc Schwartz, faculty members of the Faculty of Life Sciences.

BTech 2012 batch students, Nikhil Jain and Ajay Gaur won the IdeaThon 2015 (a B-Plan competition in which 60+ students had participated) held at CIIE IIM Ahmedabad.


DA-IICT’s Music club bagged second runner-up in the Indian rock event held at BITS, Goa. Twelve students of DA-IICT participated in Waves’15 (annual cultural festival of BITS Goa) in Dance competition (Group, duet & solo) from November 4 – 8, 2015.

Twelve students of DA-IICT participated and won prizes in various sports events at IIM Ahmedabad Sports Festival held from October 9 -11, 2015. DA-IICT project selected for Design in India challenge.

DA-IICT was adjudged 3rd best college in India and 11th best in the world in a recent competition held on Hackerrank to determine the best universities in terms of coders.
Alumni Activities and Achievements

The 4200 alumni consisting of Engineers, Design, Agriculture and Rural Development Professionals and Academic are spread all over the world. The Association organized a number of events and interacted with the current students and offered assistance and guidance in identifying internships, research, training and placement opportunities. A good number of them visited the campus, met with faculty and students and shared their workplace experiences and emerging technologies.

The Chapters of Alumni Association in India and abroad have organized several meetings and get-togethers in the chapter locations. The DA-IICT Alumni Website (https://daiict.almaconnect.com/), Alma Connect, a company incubated by the DA-IICT Incubation Centre and co-founded by DA-IICT alumni, manages the Alumni Web Portal.
In a volatile era of Internet, the Resource Centre (RC) continues to play a critical role for the DA-IICT community.

It is living by its mission to enhance the access to the ever expanding universe of knowledge thereby fully aligning to the overall vision of building knowledge-led society.

The rapid growth of information, both in print and digital media, brings forth a challenge of connecting each user to its relevant information in the quickest possible manner. The RC has been accelerating on the path of continuous improvement and development to achieve this audacious goal.

The year 2015-16, came with many such challenges and RC went ahead with full force to take all into its stride and deliver the services in a professional manner.

**Looking Back:**

The richness of the RC collection is evident from the variety of subjects which it covers the core and the cross-disciplines such as Anthropology, Social Change, Economics, Language, Communication, Design, Philosophy, religion -- to name a few.

Equally worth a mention are the different forms of the collection the video, audio, print and digital also available to the user community.

Our faculty members and ever-inquisitive student community have helped us evolve this collection.

The RC plays a custodial role for internally generated intellectual output, which is well-received and well-respected by the external scholarly world. These include published works such as books, chapters, monographs, journal articles, dissertations, audio-visual material, lectures, posters etc.

**RC collection as on 31st July 2016**

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<th>2015-16 Additions</th>
<th>Total as of 31 July 2016</th>
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<tr>
<td>Theses &amp; Dissertations</td>
<td>69</td>
<td>549</td>
</tr>
</tbody>
</table>

The users made a good use of the collection and over 13735 items were issued out to the students and faculty of the institute.
Digital Resources:
The advent of e-resources has helped the RC to make them available to its users in an efficient manner. It also offers a transparent way to track its usage and thereby modulate our reach out activities.

RC subscribed to the following 11 digital resources during the reporting year. The RC Committee has declared it as a core collection to support Institute’s academic and research activities.

- ACM Digital Library
- ASA Digital Library
- American Institute of Physics (AIP) Online Journals
- ASABE Technical Library
- IEL Online Library (IEEEXplore)
- indiastat.com
- JSTOR Archive
- LNCS Online Collection
- ITU Recommendations
- Publications from USENIX
- ScienceDirect (Computer Science Collection)
- Springer Online Journals
- Springer eBooks (Computer Science)
- Wiley/MIT eBooks Collection

These online resources contain more than 4800 peer-reviewed/specialised e-journals and statistical databases.

Facilities Improvements:
An enriched vocabulary helps in delivering powerful and effective communication – a must virtue for higher education. RC facilitated setting up of a language lab within one of its wings to benefit the student community.

The RC has added 30 computer terminals to encourage the use of e-resources including journals, databases and AV collection.

RC website has been updated to include number of services such as the customised bibliographies for the various courses and subjects. The special lectures delivered by various dignitaries and scholars are now available on the RC website.

External world connect:
The RC receives number of requests to share its resources. Similarly, RC services its own requirements by reaching out to other large libraries and associations. This practice of mutual resource sharing not only saves time but also generates goodwill and a sense of reciprocity.

RC borrowed 29 and shared 16 books to other institutions. It also received 324 research papers which were requested by the faculty and delivered 56 papers to other institutions.

RC is a member of Ahmedabad Library Network (ADINET), Ahmedabad Management Association (AMA), American Society of Agricultural and Biological Engineers (ASABE), British Library, Ahmedabad, Computer Society of India (CSI), International Telecommunication Union (ITU), and UGC-Infonet Digital Library Consortium, among others.

RC continues professional networking with ADINET, DELNET, INFLIBNET and IIT-Gandhinagar.

Students Orientation Program:
This session, specially designed for the fresh student batches, focuses on the key services, collection and facilities. The RC conducted such sessions between 22-25 July and 26-28 July 2016.

Visitors:
RC continued to receive students, and distinguished guests as its visitors.

RC had the following key visitors during Aug 2015 to July 2016.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Visit Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shiv Ashish School, Ahmedabad- (XI science stream 42 students &amp; 3 faculty members)</td>
<td>22 April 2016</td>
</tr>
<tr>
<td>VPLP Kadi - Diploma Students</td>
<td>03 September 2015</td>
</tr>
<tr>
<td>Prof. Biswarup Sen - University of Oregon, Eugene, Oregon, USA</td>
<td>16 December 2015</td>
</tr>
</tbody>
</table>

**Internships:**

RC has been a good training ground for the fresh library and information science graduates. During the reporting year, 4 trainees were selected on a monthly stipend-basis and they will be trained to work in all aspects of librarianship including handling various routine transactions, managing the digital media, metadata assignment and overall upkeep of the library.

**Professional enrichment activities:**


The Information and Communication Technology (ICT) Committee works towards the mission to provide the best computing facilities possible for faculty research and student learning. During the reporting year, the Institute has invested Rs. 210.14 lakh in upgrading existing hardware and acquiring new hardware and software.

A High Performance Computing (HPC) Cluster was acquired to meet the computing requirements of the BTech (ICT) Computational Science Program. To meet the high end computing requirements of Research Scholars (including PhD Scholars and MTech students), four computing Servers with the configuration of A Dual Processor (Intel Haswell E5-2620V3) six core machine with 2 X 1 TB Enterprise hard disks with RAID 1 capability and 32 GB memory were acquired. All the four servers are fully operational. To facilitate efficient use of these servers, provisions were made for off-campus access for faculty via VPN.

The Institute acquired the Network Attached Storage (NAS) of EMC make to provide storage space for Post Graduate students and Doctoral Scholars (with 5 GB capacity) and faculty members (with 10 GB capacity). The total storage capacity of NAS is around 2.5 TB and through NAS, access to five computing servers is provided. It is planning to create similar facilities for the Under Graduate students in future. The NI USRP boards which are useful for creating SDR based applications as part of the MTech courses on communications and signal processing were procured.

The Institute has subscribed to a three year campus-wide license (CWL) of the popular scientific software MATLAB and as part of the license; the Institute is entitled for usage of 30 toolboxes of the software. The LABVIEW software license was also upgraded. This is important since most of the virtual instruments have gone through major changes. The Cadence Electronic Design Automation Suite License was renewed and upgraded. To facilitate the design activities of MDes (Communication Design) students, 20 licenses of ADOBE CCT were subscribed. The Turnitin, anti-plagiarism software and campus software agreement licenses were renewed.

The institute has up-graded the core and backup L3 switches and installation of wireless access points. The other up-gradations done were: (a) desktops at VLSI Laboratory, (b) desktops in the reading room of Resource Centre (c) desktops for faculty and staff, and e-mail and blade servers.

On renovation of Lecture Theater 1, new audio-visual equipment including a Full-HD projector, high-end audio system with speakers and amplifier and an interactive lectern with touchscreen, document projects, etc., were installed. The audio-visual equipment in class rooms were also upgraded.

Another major infrastructure development activity undertaken was renovation of the Lecture Theater 1 and changing it from air-cooled to air-conditioned Theatre. A class room in CEP building was converted into a mini-auditorium, four rooms in CEP building was refurnished to set up Research Laboratories. Another room in CEP building was refinushed for expansion of activities of Centre for Entrepreneurship Development. As part of the hostel renovation, washrooms in the hostels were renovated and over 100 rooms were whitewashed and painted.
Annexure 1

**MANAGEMENT**

**Academic Council**

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
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<tbody>
<tr>
<td>Prof. R. Nagaraj, Chairman</td>
<td>Director, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Shri K. Narayan, Member</td>
<td>Management Consultant, Reliance Group, Mumbai</td>
</tr>
<tr>
<td>Prof. Surendra Prasad, Member</td>
<td>Professor, IIT Delhi, New Delhi</td>
</tr>
<tr>
<td>Prof. David Koilpillai, Member</td>
<td>Professor, IIT Madras, Chennai</td>
</tr>
<tr>
<td>Shri Tapan Misra, Member</td>
<td>Director, Space Application Centre, Indian Space Research Organisation, Ahmedabad</td>
</tr>
<tr>
<td>Shri Suresh Rangachar, Member</td>
<td>President, Reliance Communications Limited, Mumbai</td>
</tr>
<tr>
<td>Prof. Anish Mathuria, Member</td>
<td>Dean (Research &amp; Development), DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Suman Mitra, Member</td>
<td>Dean (Academic Programs), DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Naresh Jotwani, Member</td>
<td>Professor, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Sanjay Srivastava, Member</td>
<td>Professor, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Binita Desai, Member</td>
<td>Professor, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Shri Soman Nair, Secretary</td>
<td>Executive Registrar, DA-IICT, Gandhinagar</td>
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**Finance Committee**

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<tbody>
<tr>
<td>Prof. R. Nagaraj, Chairman</td>
<td>Director, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Shri Suresh Rangachar, Member</td>
<td>Trustee, Dhirubhai Ambani Institute of Information and Communication Technology Society, Mumbai</td>
</tr>
<tr>
<td>Shri Shrenik Vaishnav, Member</td>
<td>Vice President &amp; Head (Consolidation), Reliance Communications Limited, Mumbai</td>
</tr>
<tr>
<td>Prof Suman K. Mitra, Member</td>
<td>Dean (Academic Programs), DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Shri Soman Nair, Secretary</td>
<td>Executive Registrar, DA-IICT, Gandhinagar</td>
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**Board of Studies**

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<tr>
<td>Prof. Suman K Mitra, Chairman</td>
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<tr>
<td>Prof. Anish Mathuria, Member</td>
<td>Dean (Research &amp; Development), DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Asim Banerjee, Member</td>
<td>Convenor, Post-Graduate Programs, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Anil K Roy, Member</td>
<td>DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Hemant Patil, Member</td>
<td>DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Name</td>
<td>Affiliation</td>
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<tr>
<td>Prof. P M Jat, Member</td>
<td>Coordinator, MSc (IT) Program, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Madhumita Mazumdar, Member</td>
<td>Coordinator, MDes(CD) Program, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Ranendu Ghosh, Member</td>
<td>DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Biswajit Mishra, Member</td>
<td>DA-IICT, Gandhinagar</td>
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<tr>
<td>Prof. Shweta Garg, Member</td>
<td>DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Pratik Shah, Member</td>
<td>Indian Institute of Information and Communication Technology Vadodara, Gandhinagar (Alumnus of DA-IICT)</td>
</tr>
<tr>
<td>Shri Hasit Kaji, Member</td>
<td>Tata Consultancy Services (Industry Representative)</td>
</tr>
<tr>
<td>Dr. Sumitesh Sarkar, Member</td>
<td>Space Application Centre, Indian Space Research Organisation (Nominated by the Academic Council)</td>
</tr>
<tr>
<td>Dr. Sanjay Chaudhary, Member</td>
<td>Professor &amp; Head (Research), Institute of Engineering and Technology (IET), Ahmedabad University, Ahmedabad (Nominated by the Academic Council)</td>
</tr>
<tr>
<td>Prof. Manik Lal Das, Convenor</td>
<td>Convenor, Under-Graduate Programs, DA-IIICT, Gandhinagar</td>
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**Internal Quality Assurance Cell**

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Prof. R. Nagaraj</td>
<td>Director DAIICT - Chairman IQAC</td>
</tr>
<tr>
<td>Prof. Suman Mitra</td>
<td>Dean-AP, DAIICT - Director IQAC</td>
</tr>
<tr>
<td>Shri Suresh Rangachar</td>
<td>Reliance ADA – Management Member</td>
</tr>
<tr>
<td>Prof. Anish Mathuria</td>
<td>Dean R&amp;D, DAIICT – Faculty Member</td>
</tr>
<tr>
<td>Prof. Sanjeev Gupta</td>
<td>Dean Students, DAIICT – Faculty Member</td>
</tr>
<tr>
<td>Prof. Rahul Muthu</td>
<td>Alumni Board, DAIICT – Faculty Member</td>
</tr>
<tr>
<td>Prof. Ranendu Ghosh</td>
<td>Convenor, Placement Committee, DAIICT – Faculty Member</td>
</tr>
<tr>
<td>Shri Soman Nair</td>
<td>Executive Registrar, DAIICT – Administrative Member</td>
</tr>
<tr>
<td>Shri Hasendrasinh Jhala</td>
<td>Head, HR, DAIICT – Administrative Member</td>
</tr>
<tr>
<td>Shri Anamitra Das</td>
<td>TCS, Gandhinagar – Member from Employer</td>
</tr>
<tr>
<td>Shri Aman Agarwal</td>
<td>Student, DAIICT – Student Member</td>
</tr>
<tr>
<td>Shri Valay Vaidya</td>
<td>Student, DAIICT – Student Member</td>
</tr>
<tr>
<td>Shri Swapnil Khandelwal</td>
<td>Alumnus, DAIICT – Alumni Member</td>
</tr>
<tr>
<td>Shri Roghuvir Songhela</td>
<td>Alumnus, DAIICT – Alumni Member</td>
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</tbody>
</table>
INSTITUTE OFFICIALS

Directors
Prof R. Nagaraj

Deans
- **Academic Programs**
  Prof. Suman K Mitra
- **Research and Development**
  Prof Anish Mathuria
- **Students**
  Prof Sanjeev Gupta

Executive Registrar
Shri Soman Nair

Head-HR and Administration
Shri Hasendrasinh Jhala

Librarian (In-charge)
Prasanna Kumar Muduli

**Internal Committees**

- **Undergraduate Committee**
  Prof. Manik Lal Das, Convenor
  Prof. Anil K Roy, Member
  Prof. Minal Bhise, Member
  Prof. Biswajit Mishra, Member
  Prof. Bharani Kollipara, Member
  Prof. Ganesh Bagler, Member
  BTP Coordinator, Member (ex-officio)

- **Postgraduate Committee**
  Prof. Asim Banerjee, Convener
  Prof. Aditya Tatu, Member and PhD Program Coordinator
  Prof. V Sunita, Member and MTech Program Coordinator
  Prof. P M Jat, Member and MSc (IT) Program Coordinator
  Prof. Ranendu Ghosh, Member and MSc (ICT-ARD) Program Coordinator
  Prof. Madhumita Mazumdar, Member and MDes (CD) Program Coordinator

- **ICT Committee**
  Prof. Laxminarayana Pillutla, Convenor
  Prof. Rahul Dubey, Member
  Prof. Bhaskar Chaudhury, Member
  Prof. Manoj Raut, Member
  Mr. Rajendra Shah, Member
  Mr. Nimesh Patel, Member

- **Placement Committee**
  Prof. Ranendu Ghosh, Convener
  Prof. Jaideep Mulherkar, Member
  Prof. Nabin K Sahu, Member
  Prof. Gagan Garg, Member
  Placement Officer, Member (ex-officio)

- **Resource Centre Committee**
  Prof. M V Joshi, Convenor
  Prof. Prasenjit Majumder, Member
  Prof. Manish Gupta, Member
  Prof. Rutu Parekh, Member
  Shri Soman Nair, Member

- **Web Committee**
  Prof. Manish Gupta, Convenor
  Prof. Sourish Dasgupta, Member
Prof. Puneet Bhatjea, Member
Prof. Bharani Kollipara, Member

■ **CEP Committee**
Prof. Amit Bhatt, Convener
Prof. Binita Desai, Member
Prof. Shweta Garg, Member
Placement Officer, Member (ex-officio)

■ **Annual Report Committee**
Shri Soman Nair, Executive Registrar, Convener
Dean (Academic Programs), Member (ex-officio)
Dean (R & D), Member (ex-officio)
Dean (Students), Member (ex-officio)

Convenor, Placement Committee,
Member (ex-officio)
Prof. Alka Parikh, Member
Prof. Shweta Garg, Member

■ **Disciplinary Action Committee**
Dean (Students), Convener (ex-officio)
Warden, HOR-Men, Member (ex-officio)
Warden, HOR-Women, Member (ex-officio)

Dy. Registrar, Member (ex-officio)
Dr. Nandini Banerjee, Member
(Counselor, ex-officio)

Student Representatives – two nominated students

■ **Gender Cell**
Prof. Binita Desai, Convener
Dean (Academic Programs), Member (ex-officio)
Prof. Usha Neelakatan (LDCE) – External Member
Dr. Nandini Banerjee, Member
(Counselor, ex-officio)
Ms. Geeta Mehta, Member

Student Representatives – two nominated students

■ **Student Activities Council**
Prof. Nabin Sahu, Convener (Sports Committee)
Prof. Mukesh Tewari, Convener
(Cultural Committee)
Prof. Jaideep Mulherkar, Convener
(Synapse Committee)

■ **Alumni Board**
Prof. Sanjay Srivastava, Convener
Prof. Anil Roy, Member
Prof. Rahul Muthu, Member
Prof. Gautam Dutta, Member

Student Representatives – four nominated students

■ **International Student Cell**
Prof. Srikrishnan Divakaran, Convener
Dean (Academic Programs), Member (ex-officio)
Executive Registrar, Member (ex-officio)

Convenor (UGC), Member (ex-officio)

■ **Information System Committee**
Dean (Academic Programs), Convener (ex-officio)

Convener (UGC), Member (ex-officio)
Convener (PGC), Member (ex-officio)
Executive Registrar, Member (ex-officio)

Deputy Registrar, Member (ex-officio)
Assistant Registrar, Member Secretary

Mr. Suryakant Goswami, Invited Member

■ **BTP Coordinator (2014-15)**
Prof. Prasenjit Majumder

■ **Rural Internship Committee (2014-15)**
Prof. Anil Roy, Convener

Prof. Alka Parikh, Member
Prof. Jaideep Mulherkar, Member

■ **Summer Internship Coordinator (2014-15)**
Prof. Sourish Dasgupta
THESES, PROJECTS AND REPORTS

PhD Theses
2. Dharmani Bhaveshkumar Choithram, On Large Scale near-Independent Blind Source Separation; xv, 205 p.; 2015. (Supervisor: Suman Kumar Mitra)
6. Chaturvedi, Manish, Multi-modal design of an Intelligent Transportation System; ix, 143 p.; 2016. (Supervisor: Sanjay Srivastava)

MTech Theses
1. Baghel, Sonal, Physical layer network coding in relay assisted OFDM based wireless networks; viii, 44 p.; 2016. (Supervisor: Laxminarayana S. Pillutla)
2. Bathiya, Bhavika, Air pollution monitoring using wireless sensor networks; x, 58 p.; 2016. (Supervisor: Sanjay Srivastava and Biswajit Mishra)
3. Bhavsar, Himanshu N., Novel nonlinear prediction-based features for spoofed speech detection; ix, 52 p.; 2016. (Supervisor: Dr. Hemant A. Patil)
4. Chander, Ankush, Study on cross lingual information retrieval in Indian languages; viii, 25 p.; 2016. (Supervisor: Prasenjit Majumder)
5. Davda, Abhishek A., Ultra low power management unit; ix, 55 p.; 2016. (Supervisor: Dr. Biswajit Mishra)
6. Dave, Anish Juotindra, Private targeted advertising using homomorphic encryption; vii, 34 p.; 2016. (Supervisor: Maniklal Das and Prasenjit Majumder)
7. Dave, Ishaan, Design and implementation of high power amplifier using gallium nitride; ix, 40 p.; 2016. (Supervisor: Deepak Ghodgaonkar)
9. Gupta, Ketan, Design of wideband low noise distributed amplifier; x, 47 p.; 2016. (Supervisor: Deepak Ghodgaonkar)
10. Gupta, Shruti, Power reduction schemes in an interrupt driven processor based SoC; x, 38 p.; 2016. (Supervisor: Dr. Amit Bhatt)
11. Jain, Shweta, Interrupt based system-on-chip for IOT application with deterministic response and low power usage; vii, 33 p.; 2016. (Supervisor: Amit Bhatt)
13. Kathpal, Hanish Kumar, Object classification of remotely sensed images using deep learning; vii, 37 p.; 2016. (Supervisor: Manjunath V. Joshi)
15. Khatri, Jyotsana, Verbose query processing in biomedical information retrieval; vii, 32 p.; 2016. (Supervisor: Prasenjit Majumder)
16. Kokane, Tushar V., Knowledge compilation in multimodal logic; vi, 36 p.; 2016. (Supervisor: Manoj Kumar Raut)
17. Kumar, Chandra Shekhar, Design of RF front-end receiver sub-system; x, 44 p.; 2016. (Supervisor: Sanjeev Gupta)
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<th>Number</th>
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<th>Pages</th>
<th>Year</th>
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<tr>
<td>18</td>
<td>Londhey, Arjun</td>
<td>Image authentication using genetic algorithm</td>
<td>vi, 31</td>
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</tr>
<tr>
<td>19</td>
<td>Madhu, Prthmesh</td>
<td>Deep learning based image super-resolution</td>
<td>x, 47 p</td>
<td>2016</td>
<td>(Supervisor: Manjunath V. Joshi)</td>
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<td>20</td>
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<td>Wideband active mixer with high gain and low noise figure</td>
<td>viii, 33</td>
<td>2016</td>
<td>(Supervisor: Sanjeev Gupta)</td>
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<td>21</td>
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<td>Brain computer interface using electroencephalogram</td>
<td>viii, 48</td>
<td>2016</td>
<td>(Supervisor: R. Nagaraj and Suman Mitra)</td>
</tr>
<tr>
<td>22</td>
<td>Mudliar, Shweta</td>
<td>Distributed medium access control (MAC) protocol at 60 GHz for outdoor</td>
<td>viii, 39</td>
<td>2016</td>
<td>(Supervisor: Laxminarayana S. Pillutla)</td>
</tr>
<tr>
<td>23</td>
<td>Nale, Rahul</td>
<td>Design of 16-bit 1MSamples/s differential SAR analog to digital converter</td>
<td>vii, 35</td>
<td>2016</td>
<td>(Supervisor: Purushothaman)</td>
</tr>
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<td>24</td>
<td>Panchal, Krunal</td>
<td>Two phase automated tillar machine transaction for visually impaired</td>
<td>vii, 33</td>
<td>2016</td>
<td>(Supervisor: Manik Lal Das)</td>
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<tr>
<td>25</td>
<td>Pappan, Shiju</td>
<td>Abstractive text summarization using universal dependency labels, LSA and graph based approach</td>
<td>vi, 19 p</td>
<td>2016</td>
<td>(Supervisor: Prasenjit Majumder and CDR DK Singh)</td>
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<tr>
<td>26</td>
<td>Parikh, Ketul D.</td>
<td>Object Recognition using Self Learned Features</td>
<td>vii, 46 p</td>
<td>2016</td>
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<td>27</td>
<td>Parikh, Sagar</td>
<td>Design of an interrupt driven processor having deterministic exception response</td>
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<td>2016</td>
<td>(Supervisor: Dr. Amit Bhatt)</td>
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<td>28</td>
<td>Parmar, Palas</td>
<td>Reconfigurable hardware implementation of image processing techniques</td>
<td>viii, 53 p</td>
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<td>29</td>
<td>Patel, Arohi</td>
<td>Automatic Compact Alphanumeric Encoding of Shellcode</td>
<td>vii, 76 p</td>
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<td>30</td>
<td>Patel, Brijeshkumar</td>
<td>Total graph and its characteristics</td>
<td>v, 32 p</td>
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<td>31</td>
<td>Patel, Jaykumar</td>
<td>High Performance Computing</td>
<td>vii, 38 p</td>
<td>2016</td>
<td>(Supervisor: Dr. Amit Bhatt)</td>
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<td>33</td>
<td>Rao, Sushant V.</td>
<td>Pre-processing using outlier removal in voice conversion</td>
<td>x, 61 p</td>
<td>2016</td>
<td>(Supervisor: Dr. Hemant A. Patil)</td>
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<tr>
<td>34</td>
<td>Rathod, Hari</td>
<td>Real-time PID controller for UAV stability</td>
<td>vii, 50 p</td>
<td>2016</td>
<td>(Supervisor: Rutu Parekh and Rahul Dubey)</td>
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<td>35</td>
<td>Saha, Rupsa</td>
<td>Automatic brain tumour segmentation using rough sets</td>
<td>x, 51 p</td>
<td>2016</td>
<td>(Supervisor: Suman K. Mitra)</td>
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<td>37</td>
<td>Shah, Dhruv</td>
<td>Based Regularization for Matrix-Completion Problem: Application to Course Recommender Systems</td>
<td>ix, 58 p</td>
<td>2016</td>
<td>(Supervisor: Pratik Shah and Asim Banerjee)</td>
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<tr>
<td>38</td>
<td>Sharma, Manisha</td>
<td>Automatic speech recognition using deep neural networks</td>
<td>x, 57 p</td>
<td>2016</td>
<td>(Supervisor: Hemant A. Patil)</td>
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<tr>
<td>39</td>
<td>Sharma, Ritu</td>
<td>Verifiable conjunctive keyword search using authenticated crawlers</td>
<td>vii, 34 p</td>
<td>2016</td>
<td>(Supervisor: Maniklal Das and Prasenjit Majumde)</td>
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<tr>
<td>40</td>
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<td>Blind inpainting and super-resolution using convolutional neural network</td>
<td>vii, 40 p</td>
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<td>41</td>
<td>Soni, Meetkumar H.</td>
<td>Representation learning for speech technology applications using deep learning methods</td>
<td>xiii, 97 p</td>
<td>2016</td>
<td>(Supervisor: Dr. Hemant A. Patil)</td>
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<tr>
<td>42</td>
<td>Suthar, Dip</td>
<td>Design of narrowband and wideband low noise amplifier for RADAR applications</td>
<td>ix, 43 p</td>
<td>2016</td>
<td>(Supervisor: Sanjeev Gupta)</td>
</tr>
</tbody>
</table>
43. Thakkar, Devang, Tracking and navigation of unmanned aerial vehicle (UAV); viii, 56 p.; 2016. (Supervisor: Rutu Parekh and Rahul Dubey)

44. Thakkar, Nileshkumar, Enabling technologies for remote health monitoring; viii, 66 p.; 2016. (Supervisor: Biswajit Mishra)

45. Vyas, Hardik, Computational investigation of patch antennas in plasma environment; xi, 57 p.; 2016. (Supervisor: Bhaskar Chaudhury and Sanjeev Gupta)

MDes Project Reports

1. Mehta, Riddhi, Retreat of the Diaspora; 91 p.; 2016. (Supervisor: Binita Desai)

2. Pooshan, Agnihotri, Ahmedabad’s Bene Israel; 45 p.; 2016. (Supervisor: Madhumita Mazumdar)

3. Bhambhali, Divya and Mehta, Miraj, Super Gaadi: vintage cars of vanthali; (Supervisor: Vishvajit Pandya and Madhumita Mazumdar)


## Annexure 3

### FACULTY WITH AREAS OF INTEREST

#### Regular Faculty

<table>
<thead>
<tr>
<th>Name of the Faculty</th>
<th>Areas of Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R. Nagaraj (Director)</strong></td>
<td>Fault Tolerant Control, Non Linear Control Systems, Neural Networks and Reconfigurable Control Systems</td>
</tr>
<tr>
<td>PhD (Electrical &amp; Electronics Engineering) Visvesvaraya Technological University</td>
<td></td>
</tr>
<tr>
<td><strong>Banerjee, Asim</strong></td>
<td>Pattern Recognition, Medical Imaging, Image Processing, Digital Signal Processing, Speech Coding, Software Engineering, Software Quality Assurance and Project Management</td>
</tr>
<tr>
<td>PhD (Electrical Engineering) IIT Bombay</td>
<td></td>
</tr>
<tr>
<td><strong>Bagler, Ganesh</strong></td>
<td>Computational and Systems Biology, Complex Systems, Complex Networks</td>
</tr>
<tr>
<td>PhD (Computational Biology) CSIR-CCMB Hydrabad and Jawaharlal Nehru University, New Delhi</td>
<td></td>
</tr>
<tr>
<td><strong>Bhateja, Puneet</strong></td>
<td>Formal Methods used for Testing and Verification</td>
</tr>
<tr>
<td>PhD (Computer Science) Chennai Mathematical Institute</td>
<td></td>
</tr>
<tr>
<td>M.E. (Computer Science and Engineering) IISc Bangalore</td>
<td></td>
</tr>
<tr>
<td><strong>Bhatt, Amit</strong></td>
<td>Multi core Computer Architecture and Parallel Programming, Low Power Methodology in Digital design</td>
</tr>
<tr>
<td>PhD (Electrical Engineering) North Carolina State University, USA</td>
<td></td>
</tr>
<tr>
<td><strong>Bhise, Minal</strong></td>
<td>Semantic Web, Distributed Databases, Software System Analysis and Design</td>
</tr>
<tr>
<td>PhD (Computer Science) BITS Pilani</td>
<td></td>
</tr>
<tr>
<td><strong>Chaudhury, Bhaskar</strong></td>
<td>Computational Science, High Performance Computing, Computational Physics, Modeling and Simulation of Plasmas, Computational Electromagnetics, Parallel Programming, GPU Computing, Plasma electronics</td>
</tr>
<tr>
<td>PhD (Physics) Institute for Plasma Research (IPR)</td>
<td></td>
</tr>
<tr>
<td><strong>Das, Manik Lal</strong></td>
<td>Information Security, Cryptography, System Design and Analysis</td>
</tr>
<tr>
<td>PhD (Information Technology) IIT Bombay</td>
<td></td>
</tr>
<tr>
<td><strong>Das, Rajib Lochan</strong></td>
<td>Adaptive Signal Processing, Compressive Sensing, Image Processing</td>
</tr>
<tr>
<td>PhD (Adaptive Signal Processing) IIT Kharagpur</td>
<td></td>
</tr>
<tr>
<td><strong>Dasgupta, Sourish</strong></td>
<td>Distributed Multi-Agent System, Service Oriented Architecture, Semantic Web, artificial intelligence</td>
</tr>
<tr>
<td>PhD (Computer Science) University Of Missouri-Kansas City, USA</td>
<td></td>
</tr>
<tr>
<td><strong>Desai, Binita</strong></td>
<td>Animation, Communication Design and Multimedia</td>
</tr>
<tr>
<td>BFA (Fine Arts) MS University, Baroda, Animation National Institute of Design, Ahmedabad</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Field/Major</td>
</tr>
<tr>
<td>-------------------</td>
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</tr>
<tr>
<td>Dubey, Rahul</td>
<td>PhD (Electrical Engineering)</td>
</tr>
<tr>
<td>Divakaran, Srikrishnan</td>
<td>PhD (Computer Science)</td>
</tr>
<tr>
<td>Dutta, Gautam</td>
<td>PhD (Physics)</td>
</tr>
<tr>
<td>Garg Gagan</td>
<td>PhD (Computer Science and Automation)</td>
</tr>
<tr>
<td>Garg, Shweta</td>
<td>PhD (English)</td>
</tr>
<tr>
<td>Ghodgaonkar, Deepak</td>
<td>PhD (Electrical Engineering)</td>
</tr>
<tr>
<td>Ghosh, Ranendu</td>
<td>PhD (Soil science &amp; Agricultural Chemistry)</td>
</tr>
<tr>
<td>Gupta, Manish K</td>
<td>PhD (Mathematics)</td>
</tr>
<tr>
<td>Gupta, Sanjeev</td>
<td>PhD (Communication Engineering)</td>
</tr>
<tr>
<td>Hiremath, B. N.</td>
<td>PhD (Agricultural Economics)</td>
</tr>
<tr>
<td>Jat, Pokhar Mal</td>
<td>PhD (Computer Science and Engineering)</td>
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<tr>
<td>Jotwani, Naresh</td>
<td>PhD in Computer Science</td>
</tr>
<tr>
<td>Kollipara, Bharani</td>
<td>PhD (English Literature)</td>
</tr>
<tr>
<td>Name</td>
<td>Degree</td>
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<tr>
<td>-------------------------</td>
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<tr>
<td>Majumder, Prasenjit</td>
<td>PhD (Computer Science)</td>
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<tr>
<td>Mathuria, Anish</td>
<td>PhD (Computer Science)</td>
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<tr>
<td>Mazumdar, Madhumita</td>
<td>PhD (Modern History)</td>
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<tr>
<td>Mitra, Suman Kumar</td>
<td>PhD (Computer Science)</td>
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<tr>
<td>Modi, Amishal</td>
<td>Master of Arts</td>
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<tr>
<td>Mulherkar, Jaideep</td>
<td>PhD (Mathematics)</td>
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<tr>
<td>Muthu, Rahul</td>
<td>PhD (Computer Science)</td>
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<tr>
<td>Narwaria, Manish</td>
<td>PhD (Computer Engineering)</td>
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<tr>
<td>Pandya, Vishvajit</td>
<td>PhD (Anthropology)</td>
</tr>
<tr>
<td>Parikh, Alka</td>
<td>PhD (Agriculture and Allied Economic)</td>
</tr>
<tr>
<td>Parekh, Rutu</td>
<td>PhD (Electrical Engineering)</td>
</tr>
<tr>
<td>Patil, Hemant</td>
<td>PhD (Signal Processing)</td>
</tr>
<tr>
<td>Name</td>
<td>Field</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>Purushothaman A.</td>
<td>PhD (Information and Communication Technology)</td>
</tr>
<tr>
<td>Raut, Manoj Kumar</td>
<td>PhD (Mathematics)</td>
</tr>
<tr>
<td>Roy, Anil</td>
<td>PhD (Physics)</td>
</tr>
<tr>
<td>Sahu, Nabin Kumar</td>
<td>PhD (Mathematics)</td>
</tr>
<tr>
<td>Sarkar, Aditi Nath</td>
<td>MA (South Asian Languages and Civilizations)</td>
</tr>
<tr>
<td>Sasidhar, P S Kalyan</td>
<td>PhD (Computer Science and Engineering)</td>
</tr>
<tr>
<td>Srivastava, Sanjay</td>
<td>PhD (Physics)</td>
</tr>
<tr>
<td>Sunitha, V</td>
<td>PhD (Mathematics)</td>
</tr>
<tr>
<td>Tatu, Aditya</td>
<td>PhD (Image Analysis)</td>
</tr>
<tr>
<td>Tiwari, Mukesh</td>
<td>PhD (Optical Science &amp; Engineering)</td>
</tr>
<tr>
<td>Vasavada, Yash</td>
<td>PhD (Wireless Communications)</td>
</tr>
</tbody>
</table>
## Adjunct Faculty

<table>
<thead>
<tr>
<th>Name of the Faculty</th>
<th>Areas of Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Banerjee, Nandini</strong></td>
<td>Economics &amp; General Management</td>
</tr>
<tr>
<td>M.Phil., PhD</td>
<td></td>
</tr>
<tr>
<td>R D University, Jabalpur</td>
<td></td>
</tr>
<tr>
<td><strong>Banerjee, Soumitra</strong></td>
<td>Start-up Ventures, Product Development, Business Strategy, Productivity and Comm</td>
</tr>
<tr>
<td>PhD (International Business</td>
<td></td>
</tr>
<tr>
<td>Strategy)</td>
<td></td>
</tr>
<tr>
<td>University of Belford, Texas, USA</td>
<td></td>
</tr>
<tr>
<td><strong>Singh, Indrani Choudhury</strong></td>
<td>Agriculture, Environmental Science, Agroculture Statistics</td>
</tr>
<tr>
<td>PhD (Environmental Science)</td>
<td></td>
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<tr>
<td>Space Application Centre, ISRO, Ahmedabad</td>
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<tr>
<td><strong>Bhaskaran, Bala</strong></td>
<td>General Management, Financial Management and Analysis, Development Banking, Strategic Leadership</td>
</tr>
<tr>
<td>BTech-IIIT Madras, PGDM-IIM</td>
<td></td>
</tr>
<tr>
<td>Bangalore, CFA, CMC</td>
<td></td>
</tr>
<tr>
<td><strong>Dasgupta, Kuntala</strong></td>
<td>Rabindra Sangeet, North Indian, Classical, India Film Music and History.</td>
</tr>
<tr>
<td>B.Sc. Calcutta University</td>
<td></td>
</tr>
<tr>
<td><strong>Doctor, Khushru</strong></td>
<td>Software Engineering, Project Management, Agile Development Practices.</td>
</tr>
<tr>
<td>MCA, CISA, PMP, CSM, Six Sigma Green Belt.</td>
<td></td>
</tr>
<tr>
<td>Post Graduation in Information &amp; Digital Design</td>
<td></td>
</tr>
<tr>
<td>National Institute of Design, Ahmedabad</td>
<td></td>
</tr>
<tr>
<td><strong>Jha, Kamal Kishor</strong></td>
<td>Device-Circuit Co-Design, Hybrid Device-Circuit Interaction, Novel Semiconductor Device Design and Modeling</td>
</tr>
<tr>
<td>PhD (VLSI Design), ABV-IIITM, Gwalior</td>
<td></td>
</tr>
<tr>
<td><strong>Naveen Kumar</strong></td>
<td>Information Security and Privacy, Cloud Competing</td>
</tr>
<tr>
<td>PhD, DA-IICT, Gandhinagar</td>
<td></td>
</tr>
<tr>
<td><strong>Ashish Phophalia</strong></td>
<td>Image Processing, Pattern Recognition, Medical Image Analysis</td>
</tr>
<tr>
<td>PhD, DA-IICT, Gandhinagar</td>
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<tr>
<td><strong>Zunnun Narmawala</strong></td>
<td>Network Coding, Mobile Social Network, Delay Tolerant Network</td>
</tr>
<tr>
<td>PhD, DA-IICT, Gandhinagar</td>
<td></td>
</tr>
<tr>
<td><strong>Brahmbhatt, Kaushik</strong></td>
<td>Photography, Performing art, Puppettry</td>
</tr>
<tr>
<td>PG in Journalism, Public Relation &amp; Advertising, PG in commercial Photography, PG in Performing Art-Puppetry.</td>
<td></td>
</tr>
<tr>
<td><strong>Patel, Bhavesh</strong></td>
<td>Music, Movies and Sports</td>
</tr>
<tr>
<td>MDes, DA-IICT, Gandhinagar</td>
<td></td>
</tr>
<tr>
<td>Dip. in Fine Arts, Kala Neketan, (Now Government Institute of Fine Arts) Jabalpur, Dip. in Visual Communication (Animation Film), National Institute of Design,(NID) Ahmedabad</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Qualification</td>
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<tr>
<td>Nagchoudhuri, Dipankar</td>
<td>PhD (Electrical Engineering, Michigan State University, USA)</td>
</tr>
<tr>
<td>Rangwala, Tanvi</td>
<td>MS, University of Southern California, USA</td>
</tr>
<tr>
<td>Raval, Nikhil</td>
<td>MBA (Strategic Management) California State University, USA</td>
</tr>
<tr>
<td>Sengupta, Amit</td>
<td>MBBS, MD(OBS-GYN), PhD (Biomedical.Engg.-IIT-Delhi, MROGS(ROM))</td>
</tr>
<tr>
<td>Sisodia, Diksha</td>
<td>PhD(Management) University of Connecticut, USA</td>
</tr>
<tr>
<td>Yagnik, Jignasu</td>
<td>MBA (Strategic Management) California State University, USA</td>
</tr>
</tbody>
</table>
Annexure 4

STAFF

Registrar
Soman Nair, Executive Registrar

Academic Programs
Jigar P Yagnik, Deputy Registrar (Academic)
Jaipesh Pandya, Assistant Registrar (Academic)
Dinesh Prajapati, Senior Programmer
Suryakant Goswami, Senior Programmer
Nandini Banerjee, Counselor
Jainik Patel, Academic Assistant

Administration & HR
Hasendrasinh Jhala, Head-HR & Admin.
Rajesh V Patel, Estate Engineer
Sudhir Dave, Commercial Officer
Bhavesh Shah, Senior Stores Assistant
Kiritkumar Pandya, Assistant Administrative Officer
Gyanesh Pandya, Senior HR Assistant
Niketa P Raval, Receptionist-Cum-Office Assistant
Keshurbhai M Zala, General Assistant
Bahadursinh M Veghela, Driver

Accounts
Geeta Mehta, Chief Accounts Officer
Santosh Pandit, Assistant Accounts Officer

Director/Dean/Registrar/Faculty Offices
Venugopal PR, Executive Secretary to Director
Abhilash Bhaskaran, Senior Secretary for Registrar’s Office
Satyabir Singh, Senior Secretary to Dean(AP)
Mukesh Thaker, Secretary to Dean (R&D)
Deepa Poduval, Secretary Faculty Block 2
Geeta S Nair, Secretary Faculty Block 4

Placement & Continuing Education Program (CEP)
Sunil Kumar Jain, Manager-Placement & CEP
Gauri Wagenaar, CEP officer
Anuradha Srivastava, Secretary

Resources Centre
Prasanna Kumar Muduli, Assistant Librarian
Shashikumara A A, Assistant Librarian
Nitesh Singh Pawar, Professional Assistant
Virendra Sathwara, Library Trainee
Subrat Kumar Nanda, Library Trainee
Surendra Kumar Soni, Library Trainee
Vipul Banker, Library Trainee
Manish Goswami, Library Attendant
Mukesh Shrimali, Library Attendant [Contractual]

Computer Systems
Nimesh B Patel, Manager (IT & Systems)
Prabunath Sharma, Senior Design & Systems Assistant

Laboratory
Rajendra Shah, Laboratory Superintendent
Ramesh Prajapati, Deputy Laboratory Superintendent
Krupa Kinkhabwala, Senior Laboratory Assistant
Sanjay Bariya, Senior Laboratory Assistant
Krunal G Patel, Senior Laboratory Assistant
Firoja Shiekh, Laboratory Assistant
Bhargav Patel, Laboratory Assistant
Naresh Patel, Laboratory Assistant

Sports office
Dharamsingh Karmyal, Sports Officer
Shirish Varma, Sports Assistant

Hostels
Jitendra Parmar, Senior Hostel Supervisor
Sawankumar Sachaniya, Hostel Supervisor
Project Staff 2015-16

1. Alpesh Sathwara, IT Manager in DCEI Project CEID Project wef 11 April 2011 Supervisor Manish Kumar Gupta.
2. Vishnu Deepika Pathapati, Manager-DCEI Project CEID Project wef 17 June 2016 Supervisor Manish Kumar Gupta.
4. Pankaj Chaudhary, Junior Research Fellow, UWDRA ISRO Sponsored project wef 12 January 2015 Supervisor Deepak Ghodgaonkar.
10. Avni Rajpal, Project Personnel Category-B ASRC-II sponsored project wef 12 December 2014 Supervisor Hemant Patil.
15. Tushar Vilas Kokane, Junior Research Fellow (MBHM sponsored project wef 1 May 2015) Supervisor Manoj Kumar Raut.
17. Bhumika Chauhan, Project Assistant (AHSUMC II sponsored project wef 1 March 2015) Supervisor Gaurav Mishra.
18. Miral Shah, Junior Research Fellow (DAEBRNS sponsored project wef 22 March 2016) Supervisor Bhaskar Chaudhary.
19. Abhishek Jani, Research Engineer (VAGT sponsored project wef 01 December 2015) Supervisor Anil Kumar Roy.