Shri. Dhirubhai Hirachand Ambani
(28th December, 1932 – 6th July, 2002)
Founder Chairman, Reliance Group
Founder Chairman, DA-IICT
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</table>
Board of Governors

President
Shri Anil D Ambani  Chairman, Reliance Group, Mumbai

Members
Prof R Natarajan  Former Chairman, AICTE and former Director, IIT Madras, Chennai
Prof B S Sonde  Former Professor, Indian Institute of Science, and former Vice Chancellor, Goa University
Prof Ashok Jhunjhunwala  Professor, Indian Institute of Technology Madras, Chennai
Prof S C Sahasrabudhe  Director, DA-IICT
Shri A M Tiwari  Principal Secretary
Dept of Higher and Technical Education
Govt of Gujarat, Gandhinagar
Shri S J Haider  Principal Secretary
Dept of Science and Technology
Govt of Gujarat, Gandhinagar
Shri Suresh Rangachar  Dhirubhai Ambani Institute of Information and Communication Technology Society, Mumbai
Shri Dharmendra Bhandari  Dhirubhai Ambani Institute of Information and Communication Technology Society, Mumbai
Shri Manikantan Iyer  Reliance Communications Limited, Mumbai
Shri N K Mangla  Reliance Communications Limited, Mumbai
Shri Vinay Gupta  Reliance Communications Limited, Mumbai
Shri Anil Nahata  Reliance Communications Limited, Mumbai
Shri Vishwas Joshi  Reliance Communications Limited, Mumbai
Prof Suman K Mitra  Dean (Academic Programs), DA-IICT
Prof Anish Mathuria  Dean (Research & Development), DA-IICT

Secretary
Shri Soman Nair  Executive Registrar, DA-IICT

For the rest of the Institute Management, please see Annexure 1
This report places in perspective the overall patterns of productivity and progress of DA-IICT in the year 2013 – 2014. It has been yet another year marked by continuity and growth, of which the report will provide the reader a general idea.

A faculty devoted to scholarship and research, and an earnest and enquiring student body are what form the mainstay of our progress towards distinction and recognition. The Institute has painstakingly nurtured an enabling atmosphere on both fronts.

Our linkages, in research and education, with other academic institutes, inside the country and outside, have been on the increase, and our efforts are on to scale them up in the years ahead.

This report is an open document and, through this, we present ourselves for a wide public scrutiny. Comments and suggestions are welcome from all.

S C Sahasrabudhe
Director
The Dhirubhai Ambani Institute of Information Technology (DA-IICT), is a statutory University under an Act of Gujarat State Legislature (Act No. 6 of 2003) and is recognized by the University Grants Commission under Section 2(f) of the UGC Act. The Association of Indian Universities (AIU) has admitted DA-IICT as a member of AIU in 2009. The University is founded by the Reliance Group.

DA-IICT seeks to invoke the broader vision of Late Shri. Dhirubhai Ambani, the founder of Reliance Group, and weave both knowledge and innovation as part of an evolving style. The Institute is visualized as a research-driven Institute embodying the vision of India as a knowledge society. It is the only advanced research, teaching and training institution on Information and Communication Technology (ICT) named after the Late Shri. Dhirubhai Ambani.

DA-IICT is the first Institute in the country to introduce a B Tech in ICT, long before ICT was a well-established term. Today, other Institutes are following our footsteps, recognizing that ICT should not be separated into diverse disciplines like Computer Science Engineering and Electronics and Communication Engineering at the academic level, when industry has long realized that these disciplines have converged into a seamless whole. DA-IICT is also the first to have introduced a B Tech Honours Program in ICT with Computational Science as minor from the academic year 2013-14. Besides these programs, DA-IICT offers five post-graduate programs including the Doctoral Program. DA-IICT also designs and offers continuing education programmes in ICT to upgrade the skills and competence of professionals, government officials and defence service men.

All the technology faculty members of DA-IICT have PhD degrees. Their background is fairly international - majority of them have returned from abroad after obtaining their PhD degrees and teaching in reputed universities abroad. Besides their teaching engagements, they are committed to research and are also consulted by national and international organizations frequently. Research initiatives of DA-IICT are aimed at technological development and at the enhancement of interaction with leading industries and organisations in India and abroad.

The Institute has always been privileged to get students who are brilliant and creative learners from diverse backgrounds. Amongst the important awards and laurels the students have recently earned are: Google Woman in Engineering, Google Summer of Code, Microsoft Imagine Cup, HP Innovation Prize.

The DA-IICT alumni are proven professionals. Spread all over the country and abroad, they are top-notch achievers -- professionals, innovators, researchers and entrepreneurs. Recently, one of the DA-IICT graduates won the Rolex Young Laureate Award.

In a short period of thirteen years, DA-IICT has made significant contributions to ICT and allied fields. A good number of authoritative national surveys have always ranked DA-IICT as the topmost private technology university in the country. From its inception, DA-IICT has been receiving several awards and recognitions.

At the invitation of Government of Gujarat, DA-IICT is mentoring the new Indian Institute of Information Technology, Vadodara (IIIT-V), set up under Public-Private Partnership mode, for the last two years. Besides managing the affairs of the Institute, DA-IICT has designed two under-graduate programs -- B Tech in Computer Science and Engineering (CSE) and B. Tech in Information Technology (IT) -- for IIIT-V and they are being offered from the academic year 2013-14.

Gandhinagar

Gandhinagar, the capital of Gujarat, is a modern twin city for Ahmedabad and is fast emerging as a knowledge city. After the establishment of an Information Technology park (Info-City), DA-IICT
was founded at Gandhinagar as the first node of an institutional concentration which would transform Gandhinagar into a knowledge city. The subsequent range of Institutes, inter alia, include 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, Gujarat National Law University and National Institute of Fashion Technology.

The city constitutes a knowledge hub and an ecological corridor rendering it into a green 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 thoughtfully planned and designed as an environmentally conscious campus. The entire design was oriented towards preserving the environment. There are over 2700 trees, mostly belonging to indigenous varieties. The lawn area measures roughly 50,000 square meters. Over 3000 bamboos mask the buildings on the campus keeping the campus cool during summer. Adjacent to the Resource Centre stands the herb garden with many species of rare medicinal plants. The landscape was planned and developed in a manner that no excess rainwater is lost and all irrigation for campus garden and lawns is carried out with recycled water. The bird population on the campus is diverse -- the campus is a haven for bird-watchers, with many species of birds being observed.
Academic Programs

In the academic year 2013-14, the B Tech (Honours) in ICT with minor in Computational Science was launched with an intake of 60 students. DA-IICT is the first Institute in the country to have designed and offered two under-graduate programs in Information and Communication Technology. It now offers two under-graduate programs in ICT, one with Computational Science as minor, four post-graduate programs and a doctoral program. DA-IICT also offers tailor-made short term training programs. All these programs have significant research and development components. The faculty is credited with several research contributions and this research attitude is reflected in their teaching. The faculty and students hold seminars, workshops and conferences to disseminate their research findings as well as to stimulate learning and research aptitude in students. 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) ICT with Computational Science as minor</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>50</td>
</tr>
<tr>
<td>4</td>
<td>MSc (Information Technology)</td>
<td>2002</td>
<td>2</td>
<td>20</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

CURRICULUM REVISION

The review and revision of course-curriculum of MDes (CD) and MSc (ICT-ARD) programs is in progress.

ADMISSIONS

The notification for admission to all teaching programs was released in leading regional and national newspapers in April, 2014. The process of receiving online forms was open from April 28 to June 04, 2014.

Under-Graduate Programs (B.Tech (ICT) and B.Tech (ICT) Honours with Computational Science as minor)

Eight thousand four hundred and sixty six candidates applied for admission to 150 national quota seats of the B.Tech (ICT) and B.Tech (ICT) Honours with Computational Science as Minor programs. Of the total 300 seats, 50% of seats were filled on a national basis. The remaining 50% were filled through the Admission Committee for Professional Courses (ACPC), Government of Gujarat. The seats filled through the ACPC were exclusively for those candidates who have studied in schools situated in Gujarat and have appeared for their XII standard or equivalent examinations from Gujarat State. Both the admissions were based on the All India Rank of Joint Entrance Examination 2014 (JEE-2014) Main, which was conducted by the Central Board of Secondary Education. A limited number of seats were offered to Non-Resident Indians, Foreign Nationals and Persons of Indian Origin. They were admitted on the basis of the SAT/JEE 2014 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 below.

The orientation programs for admitted students were held during July 28-30. One of the sessions during the orientation was scheduled for parents. During the orientation, students as well as the parents gained first-hand information about the course structure, evaluation system, grading, academic regulations, faculty, campus and infrastructure facilities.

The course structures of under-graduate programs are spread over eight semesters. A unique feature of the programs is the mandatory rural internship. The internship is carried out in villages with village-based organizations and the purpose of the internship is to give the student a feel of his/her social milieu. The student is also required to take a six-week industrial/research internship on completion of foundation courses. The student has a choice of taking an industrial internship or a research internship depending on his/her career goals. Finally, the student is required to take a project during which he is required to demonstrate his ability to learn current areas of research and/or industrial interest, his ability to utilize the topics he has learnt during his stint in the program and his creative and design abilities.

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 AIEEE Rank</td>
<td>All India (Gen)</td>
<td>1569</td>
<td>923</td>
</tr>
<tr>
<td></td>
<td>Gujarat (Gen)</td>
<td>3497</td>
<td>806</td>
</tr>
<tr>
<td>Lowest AIEEE Rank</td>
<td>All India (Gen)</td>
<td>14228</td>
<td>8367</td>
</tr>
<tr>
<td></td>
<td>Gujarat (Gen)</td>
<td>59361</td>
<td>35659</td>
</tr>
</tbody>
</table>

Post-Graduate Programs
M.Tech (ICT), M.Sc (IT), M.Sc (ICT-ARD), M.Des (Communication) and Ph.D

The admission to all Post-graduate programs, except for the M Tech (ICT) program, was done on the basis of merit rank in the entrance test conducted by the Institute.

For the M Tech program, admission was carried out on the basis of the GATE score in the disciplines of Electronics and Communication, Computer Science and Information Technology only. Applicants having a B Tech /BE degree in ICT or allied disciplines or MSc degree in Mathematics, Physics, Electronics or Statistics were eligible. For admission to MSc (IT) program, a national level online entrance test was conducted at various centers. For the MSc (IT), the students were admitted solely on the basis of their merit rank. A specially designed admission test was conducted for admission to MSc (ICT-ARD), M Des (CD) and PhD programs and the final selection was made on the basis of the entrance test and interviews. The details about the entrance test dates for different post-graduate programs are given in Table 3.
### Table 3: Entrance Test Details

<table>
<thead>
<tr>
<th>Programs</th>
<th>Test Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc (ICT-ARD)</td>
<td>On-line at major cities in India</td>
<td>08 June 2014</td>
</tr>
<tr>
<td>MSc (IT)</td>
<td>On-line at major cities in India</td>
<td>08 June 2014</td>
</tr>
<tr>
<td>MDes (CD)</td>
<td>DA-IICT Campus, Gandhinagar</td>
<td>05 July 2014</td>
</tr>
<tr>
<td>PhD</td>
<td>DA-IICT Campus, Gandhinagar</td>
<td>03 July 2014</td>
</tr>
</tbody>
</table>

Table 3 shows the total intake of each program and the number of students admitted at the end of the admission process.

### Orientation

The orientation for fresh PG students was conducted during July 22-27, 2014. During the orientation, they were given detailed account of the curriculum, academic requirements and policies. They met instructors of the first semester courses for briefings. Specific sessions were organized program-wise with emphasis on the details of the 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. All new entrants were exposed to various aspects of engineering with emphasis on ICT.

### Table 4: Admissions Details

<table>
<thead>
<tr>
<th>Programs</th>
<th>Application Received</th>
<th>Admission Offers</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTech (ICT)</td>
<td>941</td>
<td>53</td>
</tr>
<tr>
<td>MSc (IT)</td>
<td>541</td>
<td>82</td>
</tr>
<tr>
<td>MSc (ICT-ARD)</td>
<td>32</td>
<td>6</td>
</tr>
<tr>
<td>MDes (CD)</td>
<td>36</td>
<td>7</td>
</tr>
<tr>
<td>PhD</td>
<td>97</td>
<td>5</td>
</tr>
</tbody>
</table>

Table 4 shows the total intake of each program and the number of students admitted at the end of the admission process.

### 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 to DA-IICT students pursuing under-graduate and Master’s Programs in Information and Communication Technology (ICT) and ICT in Agriculture and Rural Development (ICT-ARD). The number of scholarship offered now is ten for Under-graduate and five for Master’s Program students. They will be scaled up to forty scholarships for Under-graduate and ten for Master’s Program students in a period of four years beginning 2014. The scholarship is equal to the full...
tuition fee for the duration in which the scholarship is awarded.

**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 one-time contingency grant, 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.

**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.

**DA-IICT Scholarships**
The Institute offers Merit Scholarship and Merit-Cum-Means Scholarships for B Tech (ICT) students. In each category, up to five students are awarded scholarships at the beginning of every academic year. The scholarship amount covers full tuition fees per semester for the entire duration of the program. Merit scholarship is awarded to all the students having JEE All India Rank up to 5000. During the reporting year, none of the 2012 batch students qualified to receive the Merit Scholarship. The Merit-cum-Means scholarship is awarded to students on the basis of their academic performance and whose parent(s)/guardian(s)’ annual income is up to Rs.2,50,000/-. Five students of 2012 were awarded the Merit-Cum-Means Scholarships.

**Assistantships**
The Institute offers full-time and half-time teaching assistantships to students of the M Tech (ICT) and PhD programs and half-time teaching assistantships to qualified BTech (ICT) students in their final year.

**Chief Minister Scholarship Scheme, Government of Gujarat**
The students of DA-IICT are encouraged to apply for the newly introduced integrated ‘Chief Minister Scholarship Scheme,’ by the Government of Gujarat in March 2014. The Scheme provides financial help to bright and needy under-graduate students whose parents’ income is up to Rs.4.5 lakh. Government of Gujarat has designated DA-IICT as one of the Institutions to guide the students in preparation and submission of applications for the scholarship.

**THESES**
**Master’s Theses**
The thesis work of the M Tech (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. The list of M Tech theses completed during the year is given in the Annexure 2. Students of MSc (ICT-ARD) and M Des (CD) programs work full time on projects during their fourth semester or at leading organizations. The list of projects completed by the students of M Des (CD) and MSc (ICT-ARD) programs 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 interactions as well as collaborations. The MOUs which were in force during the reporting period are as follows:

- **Government of Gujarat:** To mentor the Indian Institute of Information Technology, Vadodara, set up on PPP model by the Central and State Governments and Industry.

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

- **Indian Institute of Technology, Gandhinagar:** To collaborate on teaching and research and exchange scientific and academic personnel.
• Ramakrishna Sarada Sevashram, Bastar: To sponsor eligible candidates for doctoral studies at DA-IICT, develop and support joint research programs and conduct specialized courses.

• 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.

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

• 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.

DA-IICT has also been receiving students from other institutions for internships or project work under the guidance of the faculty. Most of the interns arrive during the summer semester when it is usually possible to spare faculty time, provide hostel facilities as well as use of the Laboratories and Resource Centre.
CONTINUING EDUCATION PROGRAM (CEP)

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. In previous years, the Institute had conducted long duration programs for Indian Air Force service personnel and during the reporting year, conducted short duration programs for the administrative staff of Indian Air Force. The details of the programs conducted during the year are given below:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Programs</th>
<th>Sponsor/Coordinator</th>
<th>Period</th>
<th>No. of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Speech Processing and its Applications</td>
<td>Prof. Hemant Patil</td>
<td>14 October, 2013</td>
<td>26</td>
</tr>
<tr>
<td>02</td>
<td>Text to Speech Synthesis</td>
<td>Prof. Hemant Patil</td>
<td>16 – 18 June, 2014</td>
<td>80</td>
</tr>
<tr>
<td>03</td>
<td>Workshop of Soft Skills</td>
<td>Indian Air Force</td>
<td>16 – 20 June, 2014</td>
<td>15</td>
</tr>
<tr>
<td>04</td>
<td>Training on MS Office</td>
<td>Indian Air Force</td>
<td>23 – 27 June, 2014</td>
<td>15</td>
</tr>
</tbody>
</table>

AWARDS AND RECOGNITIONS

Embedded/VLSI Industry-Academic Institution 2013 Leadership Award

DA-IICT was conferred the ‘Embedded/VLSI Industry-Academic Institution 2013 Leadership Award’ instituted by the Silicon India and Mentor Graphics Corporation, a leader in electronic hardware and software design solutions. In its fourth year, the award honors the best in the VLSI/Embedded Industry. The award is conferred upon DA-IICT in recognition of its contribution towards embedded software industry. The award was conferred on 6th December 2013 in the presence of 160 top leaders from embedded/VLSI Industry.

DataQuest CMR T-SCHOOL Survey 2013

The authoritative DataQuest CMR T-SCHOOL Survey 2013 has ranked DA-IICT, for the second time, in the club of top ten Technology Institutions in India.

Outstanding IEEE Student Branch Chapter Award 2013

The Institute of Electrical and Electronics Engineers (IEEE) awarded DA-IICT the ‘Outstanding IEEE Student Branch Chapter Award 2013.’
PLACEMENTS

DA-IICT has been one of the preferred institutes by recruiters. A good number of students have been recruited by Direct-I, Flipkart, Qualcomm, Amazon, Morgan Stanley, Deloitte and ZS. The 2013 placement season saw recruiters from a spectrum of industries offering job profiles like software engineers, business analysts and graduate engineer trainees. More than 54 companies participated in campus placement for 2013-14 batch.

Other companies which visited the campus included Sapient Nitro, Saba Softwares, Evosys, HP, Ishi Systems, Fiberlink, Kuliza, TCS, Infosys, Wipro. Many students were also offered project internships in premier research institutions such as Bell Labs, ISRO and IBM and in companies like Capillary, Amazon and Oracle. The placement process also benefited junior batches with many of them securing summer internships.

<table>
<thead>
<tr>
<th>Placement 2013-14</th>
<th>B.Tech</th>
<th>M.Tech</th>
<th>MSc (IT)</th>
<th>MSc (ICT)</th>
<th>ARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students opting for campus placements (each batch)</td>
<td>160</td>
<td>45</td>
<td>73</td>
<td>07</td>
<td></td>
</tr>
<tr>
<td>Students opting out of campus placement (each batch)</td>
<td>37</td>
<td>02</td>
<td>03</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>197</td>
<td>47</td>
<td>76</td>
<td>07</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Details</th>
<th>B.Tech</th>
<th>M.Tech</th>
<th>MSc (IT)</th>
<th>MSc (ICT)</th>
<th>ARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of jobs offered including double offers</td>
<td>176</td>
<td>24</td>
<td>32</td>
<td>03</td>
<td></td>
</tr>
<tr>
<td>Number of jobs accepted</td>
<td>149</td>
<td>22</td>
<td>31</td>
<td>03</td>
<td></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. 5.73 lakh. The highest salary package touched Rs. 20.37 lakh per annum.
RURAL INTERNSHIPS

The B. Tech curriculum mandates that all students undertake a four-week Rural Internship at the end of their third semester. The objective of the Internship is to expose the students to the social and economic realities of the rural lives, sensitize them to the vulnerabilities of rural people, and help them to appreciate the constraints and opportunities for development. Rural Internship thus entails placing students in villages across India to work in a non-governmental organization engaged in socio-economic development.

The internship lasted for four weeks from December 02 to 28, 2013. Two hundred and twenty seven students (46 female and 181 male) undertook their Internship in rural areas in 45 organizations in 11 States. The organization with which the student chose to affiliate provided students with specific projects. The projects undertaken were in broad areas of education, rural information and communication systems, ecology and environment, biodiversity, rural governance, agriculture, and citizen rights.

All students successfully completed their internships documenting their observations and experiences. The students shared their experiences and learning through a poster session. The internship has positively added value to their education while contributing meaningfully to the civil society organizations’ efforts towards rural re-construction.

The following Table provides the list of organizations where the students completed their Rural Internships:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Organizations</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>APMAS, Andhra Pradesh</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>Aravali, Ajmer, Rajasthan</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Aravali, Bara, Rajasthan</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>Aravali, Jaipur, Rajasthan</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Astha Sansthan, Rajasthan</td>
<td>4</td>
</tr>
<tr>
<td>6</td>
<td>Banas Dairy, Gujarat</td>
<td>4</td>
</tr>
<tr>
<td>7</td>
<td>Baroda Dairy, Gujarat</td>
<td>16</td>
</tr>
<tr>
<td>8</td>
<td>Bolbala Charitable Trust, Gujarat</td>
<td>10</td>
</tr>
<tr>
<td>9</td>
<td>Daang Vikas Sansthan, Gujarat</td>
<td>2</td>
</tr>
<tr>
<td>10</td>
<td>Dhrusva - BAIF, Gujarat</td>
<td>6</td>
</tr>
<tr>
<td>11</td>
<td>Doodh Sagar Dairy, Gujarat</td>
<td>6</td>
</tr>
<tr>
<td>12</td>
<td>Foundation For Ecological Security , Madanapalle, Andhra Pradesh</td>
<td>6</td>
</tr>
<tr>
<td>13</td>
<td>Foundation For Ecological Security , Anand, Gujarat</td>
<td>4</td>
</tr>
<tr>
<td>14</td>
<td>Foundation For Ecological Security , Dahod, Gujarat</td>
<td>2</td>
</tr>
<tr>
<td>15</td>
<td>Foundation For Ecological Security , Ujjain, Rajasthan</td>
<td>4</td>
</tr>
<tr>
<td>16</td>
<td>Foundation For Ecological Security , Madanapally, Andhra Pradesh</td>
<td>4</td>
</tr>
<tr>
<td>17</td>
<td>Godavari Maha Samakya, Andhra Pradesh</td>
<td>4</td>
</tr>
<tr>
<td>18</td>
<td>Gram Vikas Seva Sansthan, Jodhpur, Rajasthan</td>
<td>6</td>
</tr>
<tr>
<td>19</td>
<td>Gramin Vikas Trust Jaipur, Rajasthan</td>
<td>6</td>
</tr>
<tr>
<td>20</td>
<td>Gramin Vikas Trust, Banswara, Rajasthan</td>
<td>4</td>
</tr>
<tr>
<td>21</td>
<td>Gramin Vikas Trust, Jhabua, Madhya Pradesh</td>
<td>4</td>
</tr>
<tr>
<td>22</td>
<td>Gramin Vikas Trust, Ratlam, Madhya Pradesh</td>
<td>3</td>
</tr>
<tr>
<td>23</td>
<td>Gramin Vikas Trust, Dahod, Gujarat</td>
<td>4</td>
</tr>
<tr>
<td>24</td>
<td>Gujarat Rural Institute for Socio-Economic Reconstruction, Gujarat</td>
<td>6</td>
</tr>
<tr>
<td>25</td>
<td>Himalayan Environmental Studies &amp; Conservation Organization, Uttarakhand</td>
<td>4</td>
</tr>
<tr>
<td>26</td>
<td>Himalayan Institute For Environment, Uttarakhand</td>
<td>6</td>
</tr>
<tr>
<td>27</td>
<td>Jatan Sansthan, Rajasthan</td>
<td>4</td>
</tr>
<tr>
<td>28</td>
<td>North Himalayan Environment Protection And Education, Haryana</td>
<td>6</td>
</tr>
<tr>
<td>29</td>
<td>Pahei, Uttar Pradesh</td>
<td>6</td>
</tr>
<tr>
<td>30</td>
<td>People’s Science Institute, Uttarakhand</td>
<td>8</td>
</tr>
<tr>
<td>31</td>
<td>Prayas Sansthan, Rajasthan</td>
<td>3</td>
</tr>
<tr>
<td>32</td>
<td>Prayatna Samiti, Rajasthan</td>
<td>2</td>
</tr>
<tr>
<td>33</td>
<td>Ramakrishna Sarada Sevasram, Chhattisgarh</td>
<td>4</td>
</tr>
<tr>
<td>34</td>
<td>Society for Elimination of Rural Poverty, Andhra Pradesh</td>
<td>2</td>
</tr>
<tr>
<td>35</td>
<td>Self-Employed Women’s Association, Gujarat</td>
<td>8</td>
</tr>
<tr>
<td>36</td>
<td>Shree Aayurved Gramodyog Mandal, Gujarati</td>
<td>4</td>
</tr>
<tr>
<td>37</td>
<td>Society for Promotion of Wastelands Development, Gujarat</td>
<td>4</td>
</tr>
<tr>
<td>38</td>
<td>Sri Gowthami Urban And Rural Integrated Development And Educational Society, Andhra Pradesh</td>
<td>13</td>
</tr>
<tr>
<td>39</td>
<td>Sursagar Dairy, Gujarat</td>
<td>6</td>
</tr>
<tr>
<td>40</td>
<td>Sutra, Himachal Pradesh</td>
<td>4</td>
</tr>
<tr>
<td>41</td>
<td>Tribhuvandas Foundation, Gujarat</td>
<td>11</td>
</tr>
<tr>
<td>42</td>
<td>Uma Educational &amp; Technical Society, Andhra Pradesh</td>
<td>10</td>
</tr>
<tr>
<td>43</td>
<td>Unnati, Gujarat</td>
<td>4</td>
</tr>
<tr>
<td>44</td>
<td>Vasudhara Dairy, Gujarat</td>
<td>6</td>
</tr>
<tr>
<td>45</td>
<td>Watershed Organization Trust , Rajasthan</td>
<td>2</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>227</td>
</tr>
</tbody>
</table>
### B.Tech Summer Internship - 2013-14

**Number of students opting for Research Internship:** 168  
**Number of Organizations/Institutions:** 8

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name of the Organization</th>
<th>No. of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar</td>
<td>161</td>
</tr>
<tr>
<td>2</td>
<td>Indian Institute of Information Technology, Hyderabad</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Indian Institute of Science, Bangalore</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Indian Institute of Technology Bombay, Mumbai</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Indian Institute of Technology Delhi, New Delhi</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Institute for Development and Research in Banking Technology, Hyderabad</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Maulana Azad National Institute of Technology, Bhopal</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Vellore Institute of Technology, Vellore</td>
<td>1</td>
</tr>
</tbody>
</table>

**Number of students opting for Industrial Internship:** 52  
**Number of Organizations:** 35

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name of the Organization</th>
<th>No. of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Access Infotech (P) Ltd., Chandigarh</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Adodis Technologies, Bangalore</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Amazon Development Center, Bangalore</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Apex TG India Pvt. Ltd., Noida</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Bharat Heavy Electricals Limited, Hyderabad</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>BISAG, Gandhinagar</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>Bombil Media, Mumbai</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Cadence Design Systems Pvt. Ltd., Noida</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Codenxt Web Technologies Pvt. Ltd., Ahmedabad</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>Defence Laboratory, Jodhpur</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>DRDO, Delhi</td>
<td>2</td>
</tr>
<tr>
<td>12</td>
<td>Ecolibrium Energy Pvt. Ltd., Ahmedabad</td>
<td>1</td>
</tr>
<tr>
<td>13</td>
<td>Ethon Healthcare Solutions, Hyderabad</td>
<td>1</td>
</tr>
<tr>
<td>14</td>
<td>Excel Entertainment &amp; Events, Ahmedabad</td>
<td>1</td>
</tr>
<tr>
<td>15</td>
<td>Flipkart Internet Private Ltd., Bengaluru</td>
<td>2</td>
</tr>
<tr>
<td>16</td>
<td>Google (Google Summer of Codes)</td>
<td>4</td>
</tr>
<tr>
<td>17</td>
<td>Gujarat Informatics Ltd., Gandhinagar</td>
<td>1</td>
</tr>
<tr>
<td>18</td>
<td>Hacker Rank, Bangalore</td>
<td>1</td>
</tr>
<tr>
<td>19</td>
<td>Haymarket Sac Publishing (India) Pvt. Ltd., Mumbai</td>
<td>1</td>
</tr>
<tr>
<td>20</td>
<td>India Meteorological Department, New Delhi</td>
<td>1</td>
</tr>
<tr>
<td>21</td>
<td>MAQ Software, Mumbai</td>
<td>1</td>
</tr>
<tr>
<td>22</td>
<td>Mobile Healthcare Pvt. Ltd., New Delhi</td>
<td>1</td>
</tr>
<tr>
<td>23</td>
<td>Out of Box Interactions Media Solutions Pvt. Ltd., Bangalore</td>
<td>1</td>
</tr>
<tr>
<td>24</td>
<td>Panamax Infotech Ltd., Ahmedabad</td>
<td>1</td>
</tr>
<tr>
<td>25</td>
<td>Pivoting Software Pvt. Ltd., Ahmedabad</td>
<td>1</td>
</tr>
<tr>
<td>26</td>
<td>Play Power Labs Pvt. Ltd., Gandhinagar</td>
<td>3</td>
</tr>
<tr>
<td>27</td>
<td>Prismatic Technologies Pvt. Ltd., Gandhinagar</td>
<td>2</td>
</tr>
<tr>
<td>28</td>
<td>Research Designs and Standards Organization, Lucknow</td>
<td>1</td>
</tr>
<tr>
<td>29</td>
<td>Sriya Technologies (P) Ltd., Siliguri</td>
<td>2</td>
</tr>
<tr>
<td>30</td>
<td>Storyline, Ahmedabad</td>
<td>1</td>
</tr>
<tr>
<td>31</td>
<td>Suruchi-Digiworld - Exclusive chain of Videocon Industry, Patna</td>
<td>4</td>
</tr>
<tr>
<td>32</td>
<td>Systweak Software, Jaipur</td>
<td>1</td>
</tr>
<tr>
<td>33</td>
<td>Tata Consultancy services, Gandhinagar</td>
<td>1</td>
</tr>
<tr>
<td>34</td>
<td>Zocalo Realtech Pvt. Ltd., Gurgaon</td>
<td>1</td>
</tr>
<tr>
<td>35</td>
<td>Zone Startups India, Canada</td>
<td>2</td>
</tr>
</tbody>
</table>
The tenth Annual Convocation was held on 18th January, 2014. Professor Arvind, Johnson Professor of Computer Science & Engineering, Massachusetts Institute of Technology, USA, graced the event as the Chief Guest. Shri Suresh Rangachar, Member, Board of Governors, and President, Reliance Communications Limited, Mumbai, presided over the function. Three hundred fifty eight students received their Degrees and they included 48 M Tech (ICT), 89 MSc (IT), 9 MSc (ICT-ARD), 8 M Des (CD) and 204 B Tech (ICT).

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

M Tech (ICT) (2011)
Mohammadi Zaki
Patel Darshal Sureshkumar

MSc (IT) (2011)
Trapasiya Ankurkumar Mansukhbhai

MSc (ICT-ARD) (2011)
Panchal Prakashkumar Amrutlal

B Tech (ICT) (2009)
Turakhia Naman Vipulkumar

In his convocation address, Professor Arvind recalled his days at the Indian Institute of Technology, Kanpur, as an under-graduate student fifty years back. He recalled that, in those days, there was no television and there were only three stations on the short wave and medium wave radios and the primary entertainment for students was the weekly 16 mm movie that was organised by the student body. There was no e-mail, internet, google or face book to keep the students busy. The students entertained themselves by talking with fellow students endlessly and formed everlasting friendships. While times have changed, the factors that will determine one’s success in life going forward have not changed.
since he finished his under-graduate studies at IIT, Kanpur. He cautioned the graduating students “You may encounter a different type of competition in the real world. In the end, the level of competition does not determine your success, but your approach to that competition does.” He told the students that, in the discipline of Sciences and Engineering, there is no substitute for hard work and, regardless of what one learns, one has to learn a lot more after graduation and good education is about learning how to learn. He narrated a few incidents that he encountered in his professional life as a teacher and as an entrepreneur and learnt that the quality of his life as a teacher was far superior than running a company. His parting thoughts for the students were: “Fundamental things in life do not change because of technology or politics. Hard work matters and that is possible only if you feel passionate about it. You can never stop being curious for learning new things. Learning is far more important than the speed of learning. No aspiration is too high as long as you are willing to work towards it.”

Professor Sahasrabudhe, the Director, presented before the august audience a brief report on achievements of the students and activities of the Institute.
Research 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, and high-speed internet access, and subscription to hundreds of print and online journals. 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 academic 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. The Institute has a good track record of attracting external funding for sponsored projects. Over the last decade, a large number of sponsored projects have been initiated by faculty members, including international projects. Many students have started their own companies.

**SPONSORED PROJECTS**

Three new sponsored projects were awarded to the faculty during the year 2013-14, one of which is part of a consortium project led by IIT Madras. Two members of the faculty have been selected to receive an early adopter grant from the NSF supported Center for Parallel and Distributed Computing Curriculum Development and Educational Resources (CDER) at Georgia State University, USA. Table 1 lists the funding sources, project titles and investigators on grants received during the period of this report.

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>TITLE</th>
<th>DURATION</th>
<th>INVESTIGATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIT</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>2014-16 (2 Years)</td>
<td>Hemant Patil, M.V. Joshi</td>
</tr>
<tr>
<td>SAC</td>
<td>Ultra Wide Band Dielectric Resonator Antenna</td>
<td>2014-16 (2 Years)</td>
<td>Deepak Ghodgaonkar, Sanjeev Gupta</td>
</tr>
<tr>
<td>NSF/TCPP</td>
<td>Fall-14 CDER Early Adopter</td>
<td></td>
<td>Bhaskar Chaudhury, Mukesh Tiwari</td>
</tr>
</tbody>
</table>

Table 2 lists the funding sources, project titles and investigators on ten ongoing sponsored projects on which faculty continued work.

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>TITLE</th>
<th>INVESTIGATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DST</td>
<td>Development of Infant Cry Analyzer Using Source And System Features</td>
<td>Hemant Patil</td>
</tr>
<tr>
<td>DIT</td>
<td>Development of Cross Lingual Information (CLIA) System : Phase-II</td>
<td>Prasenjit Majumder, Suman Mitra</td>
</tr>
<tr>
<td>DST</td>
<td>Wireless Telemedicine using Body Area Sensor Networks and Heterogeneous Access Networks</td>
<td>Laxminarayana Pillutla</td>
</tr>
<tr>
<td>DST</td>
<td>Service–oriented Architecture for spatial Data Integration and Spatial reasoning</td>
<td>Minal Bhise, PM Jat, Sanjay Chaudhary</td>
</tr>
<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>National Innovation Foundation</td>
<td>Value Addition in Grassroots Technologies</td>
<td>Anil Roy, Rahul Dubey</td>
</tr>
<tr>
<td>BRNS</td>
<td>Techniques for Robust Face Recognition with post variation</td>
<td>Suman Mitra, Mehul Raval</td>
</tr>
<tr>
<td>DIT</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>DIT</td>
<td>Development of Prosodically Guided Phonetic Engine for searching in Indian Languages</td>
<td>Hemant Patil, M.V. Joshi</td>
</tr>
<tr>
<td>DST (WOS-A)</td>
<td>Evaluation of spatiotemporal dynamics of land surface evapotranspiration and monsoon rainfall coupling over Indian region for climate change studies</td>
<td>Indrani Choudhury, Singh, Ranendu Ghosh</td>
</tr>
</tbody>
</table>
Table 3 lists three sponsored projects which were completed during the period of this report.

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>TITLE</th>
<th>INVESTIGATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board for Research in Nuclear Sciences (BRNS)</td>
<td>Securing Biometric Data Using Data Hiding Techniques</td>
<td>Mehul Raval</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Suman Mitra</td>
</tr>
<tr>
<td>ezDI, Ahmedabad Research Centre</td>
<td>Semantic Web Based Parser, SPARQL Query Builder and Information Extraction from Social Networks</td>
<td>Sanjay Chaudhary</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P.M. Jat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Minal Bhise</td>
</tr>
<tr>
<td>Space Application Centre (ISRO)</td>
<td>Design, Development and Hardware Implementation of BPSK, QPSK and other modulation schemes as part of Software Defined Radio (SDR)/ Cognitive Radio (CR), for use in SATCOM terminals</td>
<td>Vijay Kumar Chakka</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rahul Dubey</td>
</tr>
</tbody>
</table>

DA-IICT served as a member of the Standards Committee set up for the purpose of evaluation of the ‘e-Pramaan,’ a national e-authentication service developed and offered by the Department of Electronics and Information Technology (DeitY), Ministry of Communications & Information Technology, Government of India, and the Center for Development of Advanced Computing (C-DAC). e-Pramaan provides a simple, convenient and secure way for users to access government services over internet/mobile and the Government to assess the authenticity of the users.

**Incubation Centre**

DA-IICT Centre for Entrepreneurship and Incubation (DCEI) has incubated five startup companies.

- Alma Connect Solutions Private Limited
- Appbin Labs Private Limited
- Areysun Online Private Limited
- SB Edu Analytics Consultancy Private Limited
- Playpower Labs India Pvt Ltd

Alma Connect was featured in Careers 360 magazine cover story entitled ‘15 Knowledge Driven Entrepreneurs,’ in the December 2013 issue.

DCEI received the second installment of a three-year, Rs.150 lakh grant from DeitY, Government of India, for expansion of its activities. The grant will be used for supporting additional start-up companies.

The following two seminars were organized by the Incubation Centre.

**Entrepreneurship Orientation Seminar**
Shilpa Mallik (icreate) and Sarthak Jain (GridAnts), 04 September, 2013.

**Global Business Planning Competition - Arch Grants**
Mohit Patel, Genetix Fusion LLC, St. Louis, Missouri, USA, 7 August, 2013.

**Visiting Fellow**
Mr. Ramadhani Saidi Sinde, Tanzania, 29 July to 29 October, C. V. Raman International Fellowship for African Researchers. (Faculty host: Prof. Sanjay Srivastava)

**CONSULTANCY PROJECTS**

Faculty provided consulting services to two organizations in their areas of expertise.

<table>
<thead>
<tr>
<th>ORGANIZATION</th>
<th>CONSULTING AREA</th>
<th>FACULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adani Institute of Infrastructure Management</td>
<td>Renewable Energy Applications</td>
<td>Girja Sharan</td>
</tr>
<tr>
<td>Samyak Infotech Pvt. Ltd.</td>
<td>Transportation Workflow Management System</td>
<td>Sourish Dasgupta</td>
</tr>
</tbody>
</table>
SPECIAL LECTURES

Prof. V. S. Raju, former Director of IIT, Delhi, ‘Challenges and Opportunities for Indian Engineers,’ 19 November 2013.


Prof. V. M. Gadre, IIT, Bombay, ‘Placeholder Representation for Functions and why wavelets are so important as a representation paradigm,’ 5 March 2014.

Dr. C. P. Ravikumar, Texas Instruments, Bangalore, ‘Challenges and Opportunities in Embedded Systems,’ 27 March 2014.

SEMINAR/WORKSHOPS


Symposium on ‘Positive Youth Development,’ DA-IICT, 2 December 2013. Chief Guest was Mr. Nisheeth Mehta, CEO, Microsign Products.

Conf.ked.in conference, DA-IICT, 21-23 February 2014.

Workshop on ‘Text-to-Speech (TTS) Synthesis,’ DA-IICT, 16-18 June 2014

VISITORS

Dr. Amitava Babi Mitra, Dean, School of Engineering & Technology, BML Munjal University, Delhi visited DA-IICT on 19 November 2013 and held discussions on various programs at DA-IICT. PhD scholars consulted him.

Mr. Saikat Guha, Researcher at Microsoft Research India, Bangalore, visited DA-IICT on 19 December 2013 and held discussion about ongoing research at DAIICT and opportunities for collaboration.

Students and faculty of Department of Library & Information Science, Sardar Patel University, Vallabhidyanagar visited DA-IICT on 21 February 2014 and held discussions on operational activities of Resource Centre.

Mr. Manish Kumar, Centre for Development of Advance Computing, visited DA-IICT for IMPACT assessment of TIDE scheme by Diety, 16-17 July 2014.

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Publications reflect faculty and staff interests and their research initiatives. A majority of the publications have student co-authors, indicating a strong faculty commitment to train and mentor both post-graduate and under-graduate students in research. The publications listed here are those that appeared in peer-reviewed journals and conferences.

In 2013-2014, the faculty and staff published ten books, three chapters in books, two Reports and seventy papers in journals and conferences.

**Books**


**Edited and/or Translated Books**


**Book Chapters**


**Journal Papers**


Conference and Workshop Papers


10. Sheth, Mit, Benerjee, Krishna Gopal and Gupta, Manish K., “Quorum sensing for regenerating codes in distributed storage.” In *Sixth International Conference on Communication Systems and Networks*, Bangalore, India, 6-10 January 2014, pp. 1-4.


33. Parikh, Radha, “Changing trends of Indian Writing in English in the last century,” in *Comparative Literature Seminar*, Central University of Tamil Nadu, Thiruvurur, India, 2013, pp. 21-22.

34. Parikh, Radha, “Reading Skills in Multilingual Classes using Texts & Technology,” in Proceedings of Fourth National conference of
English Language Teaching, English Language Teaching Institute of Symbiosis, Pune, India, 7-8 February 2014, pp. 32-33.


Reports


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 won several awards, received numerous honours and 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.

AWARDS/HONOURS

Padma Shri award for Professor Ganesh Devy
The Padma Shri award, the nation’s civilian award for literature and education, was given to Professor Ganesh Devy on 26 January 2014. The award is conferred in recognition of his work on education of de-notified and nomadic tribes and on dying-out Indian languages. The “Padma Shri” follows several other awards that he has received, including the Sahitya Akademi Award for a publication of original analysis of literacy criticism in India titled ‘After Amnesia;’ SAARC Writers Foundation Award for his work on de-notified tribals and reputed Prince Claus Award by the Prince Claus Fund for his work for the conservation of the history, languages and views of oppressed communities in Gujarat.

Prof Manjunath V. Joshi

Prof Bhaskar Chaudhury & Prof Mukesh Tiwari
NSF/IEEE-TCPP CDER Early Adopter Award for Fall 2014.

HONORARY WORK/POSITIONS HELD ON PROFESSIONAL BODIES

Prof S. C. Sahasrabudhe
Member, Signal Processing Panel, Naval Research Board, New Delhi
Member, Core Committee, Bharti Airtel IITD Center for Excellence in Telecommunication, IIT Delhi
Member, Executive Committee Team for Washington Accord, National Board of Accreditation (NBA), New Delhi
Member, Team for Washington Accord, National Board of Accreditation (NBA), New Delhi
Member, Academic Advisory Committee, National Board of Accreditation (NBA), New Delhi
Member, Board of Governors, IIT Mandi, Himachal Pradesh
Member, Board of Governors, Consumer Education & Research Society, Ahmedabad
Member, Board of Governors, Visvesvaraya National Institute of Technology, Nagpur
Director, Sahajanand Laser Technology Limited, Gandhinagar, Gujarat
Director, Gujarat Venture Finance Ltd., Ahmedabad, Gujarat
Member, Recruitment and Assessment Centre (DRDO), New Delhi
Member, Academic Advisory Board of Jawaharlal Darda Institute of Engineering and Technology, (JDIET), Yavatmal
Member, Board of Governors, Vishwakarma Institute of Information Technology, (VIIT), Pune
Member, Board of Governors, Visvesvaraya National Institute of Technology (VNNIT), Nagpur
Member, Working Group on Industrial Applications, DIT, New Delhi
Member, Governing Council, Sardar Patel Institute of Technology (SPIT), Mumbai
Director-In-Charge, IIIT Vadodara
Member, Finance Committee, IIT Gandhinagar
Member, Executive Council, Central University of Gujarat

Prof Asim Banerjee
Senior Member, Institute of Electrical and Electronics Engineers (IEEE)

Prof Bhaskar Chaudhury
Member, Institute of Electrical and Electronics Engineers (IEEE)
Member, Plasma Science Society of India (PSSI)

Prof Rahul Dubey
Chair, IEEE chapter of Industry Applications/Industrial Electronics/Power Electronics, Gujarat Section, IEEE, Gujarat, 1 August 2013 to 31 July 2014
Educational Activity Chair, IEEE Gujarat Section, IEEE, Gujarat, 1 August 2013 to 31 July 2014
Member, Board of Studies of Instrumentation and Control Engineering (Degree Program), Nirma University, Gujarat, 1 August 2013 to 31 July 2014

Prof Deepak Ghodgaonkar
Chair, Chapter Coordinator, IEEE Gujarat Section
Fellow, The Institution of Engineers, Malaysia (FIEM), Malaysia
Life Fellow, Institution of Electronics and Telecommunication Engineers, (FIETE), India
Senior Member, Institute of Electrical and Electronics Engineers, (SMIEEE), USA
Subject Expert, Member of Faculty (Electronics and Communication) Selection Committee, Sankalchand Patel College of Engineering, Vsnagar, Mehasana, Gujarat, 22 March 2014
External Examiner, Ph. D. thesis of Siti Zura Binti Jalil, Institute of Graduate Studies, Universiti Teknologi, MARA, Shah Alam, Selangor, Malaysia, 18 March 2014
Expert Professor, to review Doctoral Candidates & PG Students at the Research Week, 20 to 27 March 2014, Gujarat Technological University, Ahmedabad

Prof Manjunath V. Joshi
Member, Program Committee, Asian Conference on Computer Vision, 2014
Co-Chair, Program, Third Asian Conference on Computer Vision Workshop on E-Heritage, 2014

Prof Alka Parikh
Member, Annual General Meeting (AGM), Utthan, Ahmedabad

Prof Radha Parikh
Life Member, Association for the Welfare of the Mentally Handicapped (AWMH)
Life Member, Maharashtra Dyslexia Association, India
Member, English Language Teachers’ Association of India

Prof Hemant A. Patil
Examiner, PhD Thesis, Manish P. Deshmukh, ‘Relevance of Pattern Recognition in Forensic Science Laboratory,’ North Maharashtra University (NMU), Jalgaon, Maharashtra
Member, International Association for Engineers (IAENG)
Life Member, System Society of India (SSI)
Member, IEEE, USA
Member, IEEE Signal Processing Society, USA
Member, IEEE Circuits and Systems Society, USA
Member, International Speech Communication Association (ISCA)

Prof Aditi Nath Sarkar
Member, Governing Council, Satyajit Ray Film & Television Institute, Kolkata

Prof V Sunitha
Member, Academy of Discrete Mathematics and Applications, India

FELLOWSHIPS/VISITING SCHOLAR
Prof V Sunitha
IMSc Associateship, Theoretical Computer Science, Institute of Mathematical Sciences, Taramani, Chennai, Tamil Nadu, India, 2013-14.

JOURNAL EDITORSHIP
Prof Sanjeev Gupta
Member Editorial Board, International Journal on Science and Technology

Prof Suman K. Mitra

Prof Rutu Parekh
Member, Editorial Board, Journal of Electrical and Electronic Engineering, Science Publishing Group journal, September 2013
Prof Radha M. Parikh

Prof Hemant A. Patil
Member, Editorial Board, Engineering Letters

Book Chapter Reviewing

Prof Deepak Ghodgaonkar

Prof Manish K Gupta


Prof Sanjeev Gupta
Review of the manuscript, three chapters, ‘Communication Systems,’ Cambridge University Press India, New Delhi

Journal Paper Reviewing

Prof Bhaskar Chaudhury
Physics of Plasmas, American Institute of Physics
European Physical Journal - Applied Physics, EPJAP, Cambridge University Press
IEEE Transactions on Plasma Science, IEEE

International Journal of Electronics and Communications, Elsevier

Prof Manik Lal Das
IET Information Security, IET
IEEE Sensors Journal, IEEE

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 Manish K Gupta
Designs Codes and Cryptography, Springer
The Bulletin of the ICA, Institute of Combinatorics and its Applications
Quantum Information and Computation, Rinton Press
Sadhana-Academy Proceedings in Engineering Science, Indian Academy of Sciences/ Springer

Prof Sanjeev Gupta
Journal of Electromagnetic Waves and Applications, Taylor and Francis
Progress in Electromagnetic Research, EMW Publishing
International Journal of Applied Electromagnetics and Mechanics, IOS Press
IET Circuits, Devices and Systems Journal, IET
Indian Journal of Physics, Indian Association for the Cultivation of Science/ Springer
Journal of the Indian Institute of Science, Indian Institute of Science
Iranian Journal of Electrical and Computer Engineering, Iranian Research Institute for Electrical Engineering
International Journal on Science and Technology (IJSAT), ISSN: 2229-7677
ICTACT Journal of Communication Technology, ICT Academy of Tamil Nadu

Prof B. N. Hiremath
International Journal of Development and Emerging Economics, European Centre for Research Training and Development
Prof Prasenjit Majumder
- ACM Transactions on Information Systems, ACM
- ACM Transactions on Asian Language Information Processing, ACM
- ACM Computing Surveys, ACM

Prof Anish Mathuria
- Information Sciences, Elsevier
- Sadhana - Academy Proceedings in Engineering Science, Indian Academy of Sciences / Springer

Prof Gaurav Mishra
- Information Technology for Development, Taylor & Francis
- e-Journal of eDemocracy and Open Government, Center for E-Government, Danube-University Krems

Prof Rutu Parekh
- Journal of Electrical and Electronics Engineering Research, Academic Journals

Prof Hemant A. Patil
- Signal Processing, Elsevier

Prof Laxminarayana Pillutla
- Wireless Personal Communications, Springer

Prof Nabin Kumar Sahu

Prof V Sunitha
- IEEE Transactions on Parallel and Distributed Systems, IEEE

Conference-Paper Reviewing

Prof Asim Banerjee
- National Conference on Communications, Indian Institute of Technology, Kanpur, Uttar Pradesh, India, 28 February-2 March 2014
- Fourth IEEE International Advance Computing Conference, Gurgaon, India, 21-22 February 2014
- International Conference on Machine Intelligence and Research Advancement, Katra, Jammu and Kashmir, India, 27-29 December 2014

Prof Manik Lal Das
- Second International Workshop on Cloud Computing & Identity Management, Mysore, India, 22-25 August 2013

Prof Deepak Ghodgaonkar
- Nirma University International Conference on Engineering, Nirma University, Ahmedabad, India, 28-30 November 2013

Prof Manish K Gupta
- National Conference on Communications, Indian Institute of Technology, Kanpur, UP, India, 28 February-2 March 2014

Prof Prasenjit Majumder
- Thirty Seventh Annual ACM Special Interest Group on Information Retrieval Conference, Gold Coast, Queensland, Australia, 6-11 July 2014
- Conference and Labs of the Evaluation Forum, Information Access Evaluation meets Multilinguality, Multimodality, and Visualization, Valencia, Spain, 23-26 September 2013
- Forum for Information Retrieval Evaluation, India International Center, New Delhi, 4-6 December 2013

Prof Rutu Parekh
- Eighth International Conference on Computer Engineering & Systems, Ain Shams University, Cairo, EG, 26-28 November 2013

Prof Hemant A. Patil
- IEEE International Conference on Acoustics, Speech, and Signal Processing, Florence, IT, 4-9 May 2014
- Fifteenth Annual Conference of International Speech Communication Association, MAX Atria, SG, 14-18 September 2014

Prof Laxminarayana Pillutla
- National Conference on Communications, Indian Institute of Technology, Kanpur, 28 February-2 March 2014

Prof Sanjay Srivastava
- Sixth International Conference on Communication System & Networks COMSNETS, Bangalore, India, 6-10 January 2014
- International Conference on Distributed Computing and Networking, ICDCN, Amrita University, Coimbatore, 4-7 January 2014

INVITED LECTURES/TALKS/COURSES

Prof S. C. Sahasrabudhe
- Delivered the key note address at Jawaharlal Darda Institute of Engineering & Technology, Yavatmal, Maharashtra
Delivered the keynote address during National Board of Accreditation (NBA) Summit, March 2014

‘Outcome Assessment Tools,’ Second World Summit on Accreditation by NBA at New Delhi, July 2014

Participated in ‘ABET Symposium’ organized as part of Washington Accord meeting in Pittsburgh, Pennsylvania, USA, April, 2014

NBA Team Member in Washington Accord meeting in Wellington, New Zealand, June 2014.

**Prof Asim Banerjee**

‘Software Quality Assurance’ and ‘Software Project Estimation,’ Program for Industry Professionals, 13 December 2013

‘Software Scope Management’ and ‘Software Risk Management’ Program for Industry Professionals, 14 December 2013

‘Research Methodology,’ Ganpat University, Mehsana, Gujarat, 7 June 2014

‘Medical Image Processing,’ Indus Institute of Technology, Ahmedabad, 10 May 2014

‘Research Methodology,’ Parul Institute of Technology, Vadodara, Gujarat, 7 June 2014

Workshop for the officers and cadets of INS Valsura, at INS Valsura, Jamnagar, for Technical Writing, 5-6 April 2014

**Prof Puneet Bhateja**

‘Formal Methods for Automatic Test Case Generation,’ talk at SSN College of Engineering, Kalavakkam, Tamil Nadu, 19 February 2014

**Prof Manik Lal Das**

‘Security and Privacy Challenges in Internet of Things,’ Central University Rajasthan, India, December 2013

**Prof Rahul Dubey**

‘Embedded control systems,’ Continuing Education Department, IIT Roorkee, 9-13 June 2014

**Prof Deepak Ghodgaonkar**

‘Satellite Communication,’ Expert Talk, Two-Day Workshop on ‘Modeling and Dynamics of Satellite Communication,’ School of Engineering, R. K. University, Rajkot, Gujarat, 4-5 October 2013

**Prof Ranendu Ghosh**


‘Seasonal Dynamics of Surface Energy Balance Parameters-A Decadal Analysis in Agro Climatic Regions of India in Climate Change Perspectives,’ the National Symposium on Remote Sensing and GIS for Environment with special emphasis on Marine and Coastal dynamics, Visakhapatnam, India, 4-6 December 2013

‘Methodology to derive Spatiotemporal Dynamics of Land Surface and Energy Balance Parameters using Satellite Remote Sensing,’ the International Conference on Climate Change and Himalaya: Current Status and Future Perspectives (ICCCH), New Delhi, 28-31 October, 2013

**Prof Manish K Gupta**

‘A Story of Natural Engineering,’ DST- Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University (BHU), Varanasi, 26 May 2014

‘How to Code the Cloud Using Weak Dress Codes?’, DST- Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University (BHU), Varanasi, 27 May 2014

‘A Story of Natural Engineering,’ Samsung Advanced Institute of Technology (SAIT) Laboratory, Bangalore, 10 January 2014

**Prof Sanjeev Gupta**

Invited Lecture on ‘Electromagnetic Waves,’ EC Department, Charotar University of Science and Technology, Changa, Gujarat, 17 September 2013

Invited Lecture on ‘Electromagnetic Waves – Interaction with Materials,’ EC Department, Charotar University of Science and Technology, Changa, Gujarat, 28 September 2013

Invited Lecture on ‘RF Solid State Design and Parametric Amplifiers,’ EC Department, Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat, 28 September 2013

Invited Lecture on ‘Fundamentals of Electromagnetics,’ EC Department, Institute of Technology, Nirma University, Ahmedabad, 11 October, 2013


Invited Lecture on ‘Microwave Antennas,’ EC Department, Charotar University of Science and Technology, Changa, Gujarat, 13 February 2014

Prof B. N. Hiremath
‘Qualitative and Mixed Research Methodologies,’ National Workshop on Research Methodology, Ahmedabad University, 21 January 2014

Prof Prasenjit Majumder
‘Legal informatics in FIRE,’ Conference and Labs of the Evaluation Forum, Information Access Evaluation meets Multilinguality, Multimodality, and Visualization, Valencia, Spain, 23-26 September 2013

‘Information Retrieval Evaluation,’ Forum for Information Retrieval Evaluation, India International Center, New Delhi, 4-6 December 2013

‘Introduction to Programming,’ Course, IIIT Vododra, 2013-14

Prof Manjunath V. Joshi
‘Super Resolution and Auto-inpainting for Immersive Walkthrough,’ Digital Restoration of Heritage Paintings and Artefact, ECSU, ISI Kolkata, 13 August 2013

‘Digital Preservation of Heritage Sites,’ ERTE Workshop, Ahmedabad University, Ahmedabad, 19-20 July 2014

‘Immersive Navigation for Walk Through Application,’ IDH meeting (Hubli), July 2014

Prof Anish Mathuria
Invited talk on ‘Alphanumeric Shellcode Generator for ARM Architecture,’ Third International Conference on Security, Privacy and Applied Cryptography (SPACE), Kharagpur, 22 October 2013

Prof Madhumita Mazumdar
‘The Politics of Visual Representation,’ Andaman Nicobar Tribal Research and Training Institute, Port Blair, 16 July 2014

‘The Portman Project and the Tribal Welfare Archive in the Andaman Islands,’ In Reading Adivasi Histories, Nehru Memorial Museum and Library, New Delhi, 13 December 2013

Prof Alka Parikh
Invited lecture on ‘Qualitative and Quantitative Research Methodology – An Overview,’ Women Studies Centre, University of Pune, 7-8 August 2013

Prof Radha Parikh

Invited talk, ‘Workshop on Communication skills for faculty,’ Amrita University, Kollam, Kerala, 12-14 July 2014


Prof Hemant A. Patil
Invited talk on, ‘Speaker Recognition,’ STTP on Digital Signal Processors and Applications, Parul Institute of Engineering and Technology, Limbda, Vadodara, 16-20 December 2013

Invited talk on, ‘Speaker Biometrics,’ STTP on Biometrics for Secured Authentication: Fundamentals and Advances at SGGS Institute of Engineering and Technology, Nanded, Maharashtra, 23-17 December 2013


Invited talk on, ‘Speech Signal Processing,’ Parul Institute of Engineering and Technology (PIET), Limbda, Vadodara, Gujarat, 01 March 2014

Invited talk on, ‘Introduction to Speech Processing and Its Applications,’ C S Patel
Institute of Technology, Charotar University of Science and Technology, Changa, Gujarat, 14 March 2014

Keynote speech on, ‘Speech Signal Processing,’ First International Conference on Contemporary Issues in Engineering & Technology, Mehsana, Gujarat, 19-21 March 2014


Invited talk on, ‘Wavelet Signal Processing,’ Research Advisory Committee (RAC) meeting, G.H.Raisoni Institute of Engineering and Management, Jalgaon, Maharashtra, 21 March 2014

Invited talk on, ‘Introduction to Digital Signal Processing,’ R. K. University, Rajkot, Gujarat, 15 April 2014


Prof Laxminarayana Pillutla

Prof Sanjay Srivastava
Talk on ‘Greening the Internet – Challenges, and Design Perspectives,’ Forth Nirma University Conference on Engineering, NIUCONE, Ahmedabad, 30 November 2013

Prof V Sunitha
Invited talk, ‘Applications of Graph Theory in Engineering,’ National Seminar on Applications of Mathematics in Engineering, School of Technology, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, 29 March 2014

‘Graph and Network Optimization,’ Short Term Training Program on Enhancing Mathematical Modeling Ability Using Tools of Statistics and Operation Research, LDRP Institute of Technology and Research, Gandhinagar, Gujarat, April 2014

Invited talk, ‘Introduction to Graph Theory,’ TCS Visiting/Summer Student Programme, Institute of Mathematical Sciences, Chennai, June 2014

Prof Aditya Tatu

‘Chinese Remainder Theorem and Discrete Fourier Transform,’ Institute of Information & Communication Technology, Ahmedabad University, Ahmedabad, 21 February 2014

PARTICIPATION IN CONFERENCES/WORKSHOPS

Prof Puneet Bhateja
Attended, Seventh India Software Engineering Conference, IIT Madras, Chennai, 19-21 February 2014

Prof Bhaskar Chaudhary
Workshop on GPU Programming and Applications, IIT Bombay, Mumbai, 24-26 February 2014

Prof Manish K Gupta
Sixth International Conference on COMmunication Systems & NETworkS, Bangalore, 6-10 January 2014

Workshop on Mathematics of Networks, IISc Bangalore, 13-16 January 2014
**Prof Sanjeev Gupta**  
Meeting of Vice Chancellors of Universities in Gujarat at Children’s University, Gandhinagar, 8 October 2013  
Seminar on Broadcasting-New Dimensions, Broadcasting Engineering Society (India) Ahmedabad Chapter, 19 October 2013  
One Day Workshop on ‘CST System Integrity’ Computer Simulation Technology (CST), USA, Ahmedabad, 20 November 2013  
‘EEsof Design Forum’ Agilent Technologies, USA, Ahmedabad, 2 December 2013  
National Education Summit (Vibrant Gujarat), Mahatama Mandir, Gandhinagar, 10-11 January 2014

**Prof Prasenjit Majumder**  
Conference and Labs of the Evaluation Forum, Information Access Evaluation meets Multilinguality, Multimodality, and Visualization, Valencia, Spain, 23-26 September 2013  
Forum for Information Retrieval Evaluation, India International Center, New Delhi, 4-6 December 2013

**Prof Anish Mathuria**  
Participant, FICCI-India Innovation Growth Programme, Ahmedabad, 6 September 2013  
Participant, Dialogue on University Rankings, Research Evaluation, and Research Funding, British Council, New Delhi, 19 June 2014  
Panelist, Roundtable on User safety on the Internet, CERC and Consumer Voice - in collaboration with Google, Consumer Education and Research Centre, Ahmedabad, 6 June 2014

**Prof Gaurav Mishra**  

**Prof Rutu Parekh**  
Technical Workshop on Semiconductor Measurement Challenges, Physics Department, Gujarat University, Ahmedabad, 1 March 2014

**Prof Laxminarayana Pillutla**  
Seminar on LabVIEW and Data Acquisition Seminar, National Instruments, Fortune Inn Haveli, Gandhinagar, Gujarat, 26 February 2014  
Cadence Tools Training Workshop for Digital and Analog VLSI design, IIT Gandhinagar, Gujarat, 27-28 February 2014  
National Training Programme on Entrepreneurship Development & Management for Women Scientists & Technologists, Entrepreneurship Development Institute, Ahmedabad, 17-21 February 2014

**Prof Alka Parikh**  
National Conference, ‘WTO and Indian Agriculture,’ Centre for WTO Studies, New Delhi, 21-22 November 2013

**Prof Radha Parikh**  
Session Chair, International Journal of Arts & Sciences Annual Conference, Harvard Medical School, Boston, Massachusetts, 24-29 May 2014

**Prof Hemant A. Patil**  
U-STAR Workshop, Gurgaon, 24 November 2013  
Fifth International Conference on Pattern Recognition and Machine Intelligence, ISI Kolkata, 10-14 December 2013  
Workshop on Image and Speech Processing, IIT Guwahati, Assam, 13-14 December 2013  
Winter School on Speech and Audio Processing, IIIT Hyderabad, Hyderabad, 17-20 January 2014  
International Conference on Signal Processing and Communications, IISc Bangalore, Bangalore, 22-25, July 2014  
Organised, CEP workshop on ‘Speech Signal Processing,’ DA-IICT, Gandhinagar, Gujarat 14 October 2013  
Organised, CEP workshop on Text-to-Speech (TTS) Synthesis, DA-IICT, Gandhinagar, Gujarat, 16-18 June 2014

**Prof Laxminarayana Pillutla**  
Prof Manoj Kumar Raut
Eleventh Annual Conference on Theory and Applications of Models of Computation, Department of Computer Science and Engineering, College of Engineering, Anna University, Chennai, 11-13 April 2014

CONFERENCE PROGRAM COMMITTEE

Prof Minal Bhise
Third IEEE International Advance Computing Conference (IACC), Ghaziabad, February 2013

Prof Manik Lal Das
Program Committee Member, Second International Workshop on Cloud Computing & Identity Management, Mysore, 22-25 August 2013

Prof Deepak Ghodgaonkar
Member of Advisory Committee, First International Conference on Contemporary Issues in Engineering and Technology, Merchant Engineering College, Basna, Mehasana, Gujarat, 19-21 March 2014

Prof Manish K Gupta
Organizing Committee Member, Publicity Sub-Committee, Sixth IEEE/ACM Comsnets, Bangalore, 6-10 January 2014

Prof Sanjeev Gupta

Prof Prasenjit Majumder
Program Committee, Thirty Seventh Annual ACM Special Interest Group on Information Retrieval Conference, Gold Coast, Queensland, Australia, 6-11 July 2014
Program Committee, Conference and Labs of the Evaluation Forum, Information Access Evaluation meets Multilinguality, Multimodality, and Visualization, Valencia, Spain, 23-26 September 2013
Program Committee, First International Conference, MIKE 2013, Tamil Nadu, India, 18-20 December, 2013,
Program Committee, Forum for Information Retrieval Evaluation, India International Center, New Delhi, 4-6 December 2013

Prof Anish Mathuria
General Co-Chair: Third International Conference on Security, Privacy and Applied Cryptography (SPACE), Kharagpur, 19-23 October 2013

Prof Suman K. Mitra
Publication Chair, National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics, Jodhpur, 18-21 December 2013
Program Committee, Fifth International Conference on Pattern Recognition and Machine Intelligence, Machine Intelligence Unit, Indian Statistical Institute, Kolkata, 10-14 December 2013

Prof Rutu Parekh
International Scientific Committee Member, International Conference on Artificial Intelligence and Communication Engineering, Macao, China, 20-21 May 2014
International Scientific Committee Member, International Conference on Communication Technology and Application, Beijing, China, 19-20 Aug 2014

Prof Hemant A. Patil
Technical Committee Member, Workshop on Image and Speech Processing, IIT Guwahati, 13-14 December 2013

SPONSORED RESEARCH PROJECTS

Prof Amit Bhatt
High Performance Computing using ARM Architecture Based Snapdragon SoC Cluster
(with Krait processors), Sponsored and technically supported by Qualcomm

**Prof Bhaskar Chaudhury**
Establishing CUDA teaching center, DA-IICT, Gandhinagar, Sponsored by nVIDIA Corporation, USA

**Prof Rahul Dubey**
‘Water Quality Monitoring,’ IEEE Foundation Grant

**Prof Prasenjit Majumder**
‘Cross-Lingual Information Access,’ Funded by Department of Information Technology, Government of India

**Prof Biswajit Mishra**
Enabling Technologies for Personalised Healthcare, Seed Fund, DAIICT

**HONORARY WORK**

**Prof Asim Banerjee**
Member, Jury for the Diploma Projects of PG students, National Institute of Design, Gandhinagar and Ahmedabad
Member, Board of Studies, Nirma University, Ahmedabad
Member, Faculty of Engineering of Nirma University, Ahmedabad
Member, Board of Studies, UV Patel College of Engineering, Ganpat University, Mehsana, Gujarat
Member, Faculty of Engineering – Computer Science and Engineering, UV Patel College of Engineering, Ganpat University, Mehsana, Gujarat
Member, RPS Committee for PhD Scholars, Computer Science and Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat
Member, RPS Committee for PhD Scholars, Electronics and Communication Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat
Examiner, PhD Scholar of Electronics & Communication Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat
Supervisor, PhD Scholars, Ganpat University, Mehsana, Gujarat

**Prof Bhaskar Chaudhary**
Member, LXcat Team, The Plasma Data Exchange Project

**Prof Sanjeev Gupta**
External Expert, Promotion Interview Committee (Scientist-SB to Scientist-SC and Scientist-SC to Scientist-SD), Space Applications Centre (SAC), Department of Space, Government of India, Ahmedabad
Member, Advisory Committee, PG Research Center for Mobile Computing & Wireless Technologies, Gujarat Technological University (GTU), Ahmedabad
Member, Board of Studies, Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat
Member, Board of Studies SATCOM (Satellite Communications) Course conducted by Centre for Space Science and Technology Education in Asia and the Pacific (Affiliated to the United Nations), IIRS Campus, Dehradun & SAC Campus, Ahmedabad
Member, Board of Governors, Government Engineering College (GEC), Gandhinagar, Gujarat
Member, Academic Council, CU Shah University, Wadhwan City, Surendranagar, Gujarat
Member, Board of Studies, Indus University, Ahmedabad
External Expert, selection of faculty at Institute of Technology, Nirma University, Ahmedabad
External Expert, selection of faculty, Gujarat Technological University (GTU), Ahmedabad
Subject Expert, faculty selection at Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat
Member, Doctoral Progress Review Committee, Gujarat Technological University (GTU), Ahmedabad
Expert Member, Research Progress Committee, Faculty of Doctoral Studies and Research, Nirma University, Ahmedabad
PhD Reviewer, Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat
Reviewer, ME Dissertations, Gujarat Technological University (GTU), Ahmedabad
Subject Expert, Review the academic performance of ME in Wireless and Mobile Computing, Gujarat Technological University (GTU), Ahmedabad

Coordinator, Cooperation with SAC under the MoU for co-operation in research and academic activities, Space Applications Centre, Department of Space, Government of India, Ahmedabad

Expert Member, Committee for Techno-Commercial Evaluation of 220 GHz Vector Network Analyzer, Institute for Plasma Research, Department of Atomic Energy, Government of India, Ahmedabad

Member, Antenna Test and Measurement Association

Member, Agilent’s Test Advisory Panel

Member, Editorial Board, International Journal on Advanced Communication Technology

Prof Anish Mathuria
Member, DeitY Committee, ‘e-Authentication Standards,’ Ministry of Communications and Information Technology, Government of India

Member, Faculty Selection Committee, Institute of Infrastructure, Technology, Research and Management (IITRAM), Ahmedabad

Prof Suman K. Mitra
Member, Academic Committee, Indian Institute of Information Technology (IIIT), Vadodara, Vadodara, Gujarat

Member, Departmental Academic Committee, Department of Electronics and Communication, Sardar Vallabhbhai National Institute (SVNIT), Surat, Gujarat

Member, Departmental Academic Committee, Department of Information Technology, Dharmsinh Desai University Nandiad, Gujarat

Prof Rutu Parekh
Session Chair, Signal Processing and VLSI, INDICON 2013, Impact of Engineering on Global Sustainability, 13-15 December, IIT Bombay, Mumbai

Prof Alka Parikh
Joint Director, Sarvang Utkarsh, A Micro Health Insurance Mutuals Organization working for the Slum Dwellers in Pune and Mumbai

Prof Radha M. Parikh
Member, Rabbani Educational Board (runs Rabbani School), Gwalior, Madhya Pradesh

Member, Advisory Committee, ENVIS, Center of Excellence in Environment Education

Prof V Sunita
Member, Board of Studies (Mathematics), Pandit Deendayal Petroleum University, Gandhinagar, Gujarat.

VISIT TO INSTITUTES/ INDUSTRIES

Prof Minal Bhise
DST Project Review, NRDMS Department of Science and Technology, New Delhi, August 2013

NSDI OGC Technical Meeting Planning, GISE Lab, IIT Mumbai, October 2013

Research Progress Committee Meeting, Computer Science Department, Nirma University, Ahmedabad, January 2014

Research Progress Committee Meeting, Computer Science Department, Nirma University, Ahmedabad, July 2014

Prof Amit Bhatt
Marwari College, Lecture on “ARM vs Intel Architecture, July 2014

Keynote speech, Pondicherry Engineering College R&D forum, July 2014

Prof Manish K Gupta
Attended the workshop on ‘Mathematics of Networks,’ IISc Bangalore, January 2014

Invited talk, ‘A Story of Natural Engineering Samsung,’ Advanced Institute of Technology (SAIT) Lab, January 10, 2014, Bangalore

Prof Sanjeev Gupta
Expert Member, Research Progress Committee (RPC), Faculty of Doctoral Studies and Research, Nirma University, Ahmedabad, August 3, 2013

Faculty Board of Studies Meeting, Charotar University of Science and Technology, Changa, Gujarat, September 7, 2013

Meeting of Board of Governors of Government Engineering College, Gandhinagar with TEQIP Project IIM Ahmedabad, September 27, 2013

Meeting of Board of Governors, Government Engineering College, Gandhinagar, October 8, 2013, January 16, 2014 and March 12, 2014
Selection/Interview Committee Member for selection of faculty (Assistant and Associate Professors), Gujarat Technological University (GTU), Ahmedabad, October 10, 2013

Received on behalf of DA-IICT Fourth Annual “Leadership Award for Outstanding Contribution to VLSI/Embedded Design Industry 2013 – Academic Institution” awarded by SiliconIndia and Mentor Graphics, Bengaluru, December 6, 2013

External Expert of SAC Promtion Interview Committee (Scientist-SB to Scientist-SC), Space Applications Centre, Department of Space, Government of India, Ahmedabad, December 10, 2013

Meeting of Board of Governors of Government Engineering College, Gandhinagar with Industry Experts on December 13, 2013

Reviewer of MTech Dissertations (Phase-I), Charotar University of Science and Technology, Changa, Gujarat, December 28, 2013

Faculty Board of Studies Meeting at Charotar University of Science and Technology, Changa, Gujarat, December 28, 2013

Member of PhD Selection Committee, Gujarat Technological University, Ahmedabad, January 20, 2014 and February 12, 2014

Meeting of Board of Governors, Government Engineering College, Gandhinagar with TEQIP Performance Audit (carried out by Prof. YV Joshi), January 24, 2014

External Examiner for MTech Theses, Gujarat Technological University, Ahmedabad, March 21, 2014 and March 31, 2013

Expert Member of Research Progress Committee, Gujarat Technological University, Ahmedabad, March 28, 2014

Member of Board of Studies, Indus University, Ahmedabad, April 18, 2014

Member of the Committee for Revision of Syllabus of Master of Engineering Program, Gujarat Technological University, Ahmedabad, April 19, 2014

PhD Thesis Examiner at Mukesh Patel Institute of Technology of Narsee Monjee Institute of Management Studies, Mumbai, April 29, 2014

External Expert of SAC Promtion Interview Committee (Scientist-SC to Scientist-SD), Space Applications Centre, Department of Space, Government of India, Ahmedabad, May 6, 2014

Examiner for MTech Theses at Charotar University of Science and Technology, Changa, Gujarat, May 17, 2014

PhD Reviewer at Charotar University of Science and Technology, Changa, Gujarat, May 17, 2014 and July 1, 2014

Subject Expert for faculty selection at Charotar University of Science and Technology, Changa, Gujarat, June 3, 2014


Subject Expert for selection of faculty (Professors and Associate Professors) at Institute of Technology, Nirma University, Ahmedabad, June 25, 2014

Reviewer of ME Dissertations (Poster Presentation/Final Phase), Gujarat Technological University, Ahmedabad, July 2, 2014

Subject Expert for selection of faculty (Adhoc Assistant Professors) at Institute of Technology, Nirma University, Ahmedabad, July 3, 2014

Prof Pokhar M Jat
Expert to ERP upgradation process, Gujarat Urja Vikas Nigam Limited

Prof Prasenjit Majumder
Technical University of Valencia, Spain, September 2013

Prof Hemant A. Patil
North Maharashtra University (NMU), Jalgaon (MS) on January 11, 2014 to conduct the Ph.D. Open Public Defense Seminar of Mr. Manish P. Deshmukh on his Ph.D. thesis titled, ‘Relevance of Pattern Recognition in Forensic Science Laboratory.’

G.H.Raisoni Institute of Engineering and Management (GRIEM), Jalgaon (MS), to attend Research Advisory Committee (RAC) meeting during March 21-22, 2014
Gujarat Technological University, as Expert to review the work of PG and Doctoral students during March 20, March 27, March 29, 2014

Indira Gandhi Centre for Atomic Research (IGCAR) Kalpakkam during June 05-08, 2014 for IDH-Hampi DST Project

PRSG meeting on February 05, 2013 to report the progress of DeitY sponsored consortium project

PRSG meeting on February 05, 2013 to report the progress of DeitY sponsored consortium project

DeitY Workshop on Phonetic Engine Project March 09-10, 2013 at Thapar University, Patiala to report the progress of DeitY sponsored consortium project

Prof Aditi Nath Sarkar
Sixth convocation of Satyajit Ray Film & Television Institute, Kolkata, 2 May 2014

Prof V Sunitha
Institute of Mathematical Sciences, India, May-June 2014

ANY OTHER SIGNIFICANT CONTRIBUTIONS

Prof Asim Banerjee
Co-ordinated and mentored six groups for PG and UG students who were working on six projects as virtual teams with students of Drexel University, USA. The project was to develop a collaboration tool for the Client. Microsoft USA was one of the stakeholders of the project, April to July 2014

Prof Rahul Dubey
DA-IICT, Introduction of new lab equipment for core course on “Embedded Hardware Design”. Added new Raspberry Pi & Beaglebone Black single board computers, Texas Instruments, May to June 2014

Prof Manish K Gupta
External reviewer, Spark-Up Idea Fund, iCreate (The International Centre for Entrepreneurship and Technology), November 2013 and May 2014

Prof Suman K Mitra
IEEE Gujarat Section, Past Chair 2014-2015

Prof Radha Parikh
Conducted a one-day symposium (along with a committee of 4) on Positive Youth Development (PYD) for faculty/ students of neighbouring engineering colleges (Ahmedabad/Gandhinagar) at DAIICT, December 2, 2013
Faculty and Staff Updates

FACULTY

The faculty consisted of 47 regular faculty members and 11 visiting faculty on full time basis besides 24 adjunct faculty members who taught specialized courses in all Programs. The list of faculty members is available at Annexure 3.

New Faculty

The following faculty have joined the Institute during the year 2013-14

1. Naresh Jotwani joined as Visiting Professor on 02 January 2014
2. Bhaskar Chaudhury joined as Assistant Professor on 06 January 2014
3. Rutu Parekh joined as Assistant Professor on 02 December 2013
4. Amishal Modi joined as Assistant Professor on 05 August 2013
5. Srinivasa Rao Zinka joined as Assistant Professor on 15 January 2014
6. Nabin Kumar Sahu joined as Assistant Professor on 01 February 2014

Faculty Resignations

1. Ashok Amin, Professor (wef 31 May 2014)
2. Preetida Jani, Associate Professor (wef 31 December 2013)

STAFF

Staff Resignations

1. Rajakumar A, Junior Professional Assistant (wef 13 September 2013)
2. Bipin Raval, Library Trainee (wef 14 May 2014)
3. Sangita Karia, Secretary Registrar’s Office (wef 02 June 2014)
Student Activities and Achievements

Co-curricular activities form an important component of student life at DA-IICT. As in the past, the campus continued to be a vibrant and lively place, with sports, cultural and other activities happening throughout the year. Students also distinguished themselves in diverse international and national level competitions, and won several prizes, or reached the finalist teams, and upheld DA-IICT as prominent among the top engineering institutions in the country.

SYNAPSE-2014

Synapse, the Annual Techno-Cultural Festival of DA-IICT, was organized during February 27 to March 2, 2014. The theme of Synapse-2014 was Celebrating a Decade of Legacy and it proved to be the biggest student event held in the history of the Institute. 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, 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-2014. The plethora of technical and cultural events that Synapse-2014 showcased enthralled audiences of all kinds – from those interested in the arts, to the geeks who only enjoy life in front of a computer screen.

SPORTS

Concours 2013, the Annual Inter-College Sports Festival of DA-IICT was held during October 17 - 20, 2013 at DA-IICT. Major General Dilawar Singh, Additional Director General of NCC, Gujarat, Dadra Nagar Haveli, Diu & Daman was the Chief Guest at the opening ceremony while Shri. Shyam Sundar, Director, Sports Authority of India, Gandhinagar, Gujarat, was the Chief Guest at the closing ceremony. This event saw a participation by about 1300 students (including 170 girl students) from 31 colleges from and outside Gujarat.

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 earlier years, and events that involved faculty, staff and students. The Wing Cricket Tournament, an intra-cricket competition between wings of various Halls of Residence (HOR) in both HOR-Men and HOR-Women was conducted from August 15 to September 4, 2013. The Wing Football Tournament was conducted from September 2 to 18, 2013.

CULTURAL

The Cultural Committee continued its tradition of organizing highly successful, and highly 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 throughout the year.

Various festivals and National festivals like Independence Day, Gandhi Jayanti and Republic Day were also celebrated. The Cultural Committee along with the Sambhav Committee visited the blind people at the 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 were made to strain their brain cells and recall those facts about Gandhiji that they had read in their school history textbooks.

To enrich the students with various hobbies such as theatre, dance, instrumental and vocal music, and art workshops were conducted which acted 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.

"Maniere - the night of fashion" was and remains to be the most anticipated event; it was organized on February 20, 2014. Students from all the batches are given an opportunity to bring forth their creative and aesthetic skills when they were subjected to design their costumes on the basis of a particular theme.

The musical talent of the students of the Institute was at its best during the much awaited event "Raaga," which was organized on February 15, 2014. The musicians proved their mettle against the rest when many prizes were won in the categories of Indian Solo, Indian Group, Duet, Western Solo and Western Group. "Bollyrock" became the highlight of the show. In another event "Rang Manch," the scriptwriters and the dramatists put on their thinking caps and presented wonderful and colourful plays depicting various aspects of India’s social and cultural heritage.

**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 include the Film Club, DA-IICT Theatre Group (DTG), Prayaas, Sambhav, The Press Club, Forward Forum, Quiz Club, Martial Arts Club, Dance Club, and Debate Club.

While film club provides regular entertainment to DA-IICTians in the form of screening of popular cinema, the DA-IICT Theatre Group (DTG) has been motivated by the Budhan Theatre Group of Ahmedabad and is focused on producing proscenium and street plays. A fabulous two day event, Drama Night 2013 was organized on September 19 and 20, 2013 with the active participation of 13 teams (5 felicity – musical plays and 8 stage plays) presenting plays of varying genre including suspense, thriller, dramatic, comedy and sarcasm on social issues.

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 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 event worth mentioning was the Independence Day Celebration with the children from Deaf and Dumb School, Blind School and Orphanage. These children were given food and chocolates and were taken from the Orphanage to visit Science City in Ahmedabad. They were brought to DA-IICT campus for supper and were dropped back at their places of residence.

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, Tcheyon, Books, Music, Food, Freeze Frame, GNA, Vuelo, Random Noise, Point Counterpoint, Warps and Wefts, Summer Chilliers, etc. The first edition of the magazine came out in the year 2005 and 52nd edition (July 2014) is the latest one. A 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 of the Press Club serve as Section Heads of various sections of the magazine. Sandeep Martia (Student ID: 201001113) was the Editor of the magazine in the academic year 2013-14.

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

Quiz Club organizes regular quiz events on campus, and encourages students to participate in various quiz competitions around the country.

Martial Arts Club has regular martial arts and yoga classes.

Dance Club - the Dance Coders, tries its best to combine the deep seated passion for the art with dedication and team-work. A Salsa workshop was held by dance Club in unison with the Technical Committee from September 15 to 17, 2013. The teacher for the workshop was Gauri Parashare from Vijay Atma’s Latin Dance Club, Pune. A Dance Nite was conducted on January 21, 2014.

The Debate Club has grown remarkably since its inception in 2009. Besides conducting its weekly debates and intra-college debate competitions, the
club has organised a Youth Parliament and an inter-college Parliamentary Debate.

Apart from these non-academic and social activity clubs, a few groups are seriously academic.

**Electronics Hobby Club (EHC), DA-IICT 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 has been committed to actively promote the use of Linux and other open source software for strengthening the objective of the worldwide open source movement.

Various other student clubs were active during the year and organized their own events. Notable among these Clubs were **The Aryans, Web Dev Club and The Programming Club**. The Programming Club conducted DA-IICT Intra Programming Contest which was an online event, where students have 6 problems to solve in 3 hours of time on Online Judge Platform SPOJ.

The newly introduced **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.

The **Hostel Management Committee (HMC)** organized the first ever Hostel Cleanliness Drive and Cleanest Room and Wing Competitions, during March 25–31, 2014 in both the Halls of Residence (HOR) – Men and Women.

**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 2014:** The fourth version of the Summer School 2014 was conducted at DA-IICT from June 5 to 14, 2014. This year summer school was focused on game development using Unity 3D as a software tool and Microsoft Kinect to make the games gesture controlled. Budding engineers from all over India got a common platform to explore, learn, and innovate. Students got a chance to play with the latest technologies and build something interesting.

**i.Fest’13 - Connected Thinking:** The aim of i.Fest, Annual Technical Festival organized by the IEEE student Branch of DA-IICT during October 25–27, 2013 was to create magic by bringing the right mix of minds, perspectives and ambition with the fusion of technology and fun. Connected Thinking was about stretching ourselves to bring new perspectives that challenge conventional thoughts and solutions. It was about bringing the best of ideas and technologies together. The i.Fest’13 had refreshing challenges, inspiring interactions and ingenious concepts and most importantly, fun ‘n’ frolic. It spans domains like app development (i.app), robotics (i.bot), i.rubble, i.quiz, i.design, i.decipher, i.capture, i.maze, B2B, Treasure Hunt and Customised Game Controller, etc. Various events like robo race, Line follower bot competition, technical quiz, online programming contest, business plan competition, treasure hunt etc., were also organized during the three day event. Apart from the competitions, an expert talk by Mr Nishad Kamat, who was Senior Director of Engineering at Yahoo was also organised. The hangout was joined by several IEEE members from Mumbai, UP, Bangalore, Delhi Section and Chandigarh Sections.

DA-IICT hosted a two-day (November 16 – 17, 2013) **National Workshop on Cyber Security.** The workshop covered issues such as current trends in cyber laws, cyber crime and its prevention, cyber security for firms and individuals, cyber security breach and hacking. Mr. Avinash Kadam, Advisor to India Task Force and Information Systems Audit and Control Association (ISACA) was the keynote speaker. Other speakers were Mr. Muktesh Chander, Joint Commissioner of Police, Delhi; Dr. Amit Kumar, CEO of BioAxis, Bengaluru, and Mr. HP Sanghvi, DFS, Gandhinagar.

Google Developers Group of DA-IICT organized a three-day event **conf.kde.in** at DA-IICT during February 21-22, 2014. It provided a platform for world’s best developers and contributors in the open source community. This event, organized in Gujarat for the first time, saw the participation of over 250 students from 9 States in the country. It featured talks and workshops by international experts from four countries on coding and developing applications. Mr. Kevin Ottens, a renowned KDE hacker explained why one needs to go beyond hacking.

An overview of IEEE Industrial Application Society (IAS) and its activities was briefed by Mr. Peter Magyar, the IAS CMD Chair and Mr. Blake Llyod, the IAS President. This event was also instrumental in laying the foundation of two new sister chapters of IAS, one in G H Patel College Of Engineering & Technology and the other in LDRP Institute of Technology and Research.
**Tech Nite** an ‘Only for Girls’ event and was organized in the girls' hostel post-midnight keeping in mind the hostel culture. The night started with a TED talk by Sheryl Sandberg to motivate the students how enthusiastic can be the technological work.

Ms. Ruzan Khambatta delivered an inspirational talk on Social Entrepreneurship and Women Empowerment.

Mr. Prabodh Sirur, HR Manager, CGI Bangalore delivered a talk on HR Skills and Functions.

**STUDENT ACHIEVEMENTS**

**Awards**

Saksham Gupta (BTech 2012) and Brijesh Patel (BTech 2011) were awarded the prestigious Myron Zucker Travel Award given by the IEEE Industrial Application Society (IAS) for academic and overall excellence. The award enabled them to attend the IEEE Industry Application Society (IAS) Annual Meeting 2013 held at Orlando, Florida, USA from October 6, 2013.

Vaibhavi Desai, (BTech 2011) won Google Student Ambassador, DA-IIICT (Year 2013-14), Google Summer of Code 2014 student at Systers, an Anita Borg Institute (May - August 2014) and Google Anita Borg Memorial Asia-Pacific Scholarship (July 2014).

Kesha Shah (BTech 2011) was selected as a scholar for Google Anita Borg Memorial Scholarship Asia-Pacific 2014. She is also a Co-founder, Women Who Code (WWC) - Gujarat, a global non-profit which empowers women to pursue careers in technology, advocates for gender diversification in work place and expands career opportunities for women in technology sector. She was also selected as Mentor for Google Code-In contest to introduce pre-university students (age groups 13-17) to the many kinds of contributions that make open source software development possible.

Zeel Shah (BTech 2010) and Raj Buddhdev (BTech 2011) won 1st prize in 2013 Industry Application Society’s (IAS) Web Chapter Contest, in which global Institutes participated.

Yash Shah (BTech 2011) was invited by Google to attend largest developer conference Google I/O held during June 25-16, 2014 at San Francisco, USA. He was invited by Ryerson Futures and Ryerson University to Toronto in May 2014 to experience the market opportunities there. He was invited to deliver a talk at FOSSASIA 2014 in Cambodia in February 2014. He was also invited to deliver a talk at Akademy 2013 in Spain, which is the annual world summit of KDE, one of the largest Free Software communities in the world. He also attended Mozilla Summit 2013, California (Santa Clara), US where he was invited on the basis of his contribution to Mozilla Open Source.

Jineet Doshi (BTech 2011) won the IEEE Student Enterprise award 2013. He also won the “Outstanding Volunteer Award” from the IEEE Gujarat Section. He received a grant of $1000 for his project ‘ICT-based Solutions for Education in Rural India’. The project involves teaching under-privileged kids in remote areas of the country through a network of tablets connected to the internet through MiFi devices. It involves establishing the necessary hardware infrastructure followed by content delivery through custom interactive apps, animated videos and web services. The proposed model is highly scalable, self sustaining, easy to implement and inexpensive. His research paper “ICT-based Solutions for Education in Rural India - A Case Study” has been selected for presentation at the IEEE GHtC (Global Humanitarian Technology Conference) 2014 to be held in Silicon Valley, California, USA.

Priyansh Trivedi (BTech 2012) and Yash Shah (BTech 2011) were ranked #1 by Google Developers Group (GDG) in India in 2014 in terms of number of events organized in last 6 months.

Mayank Hinger, Manan Dhawan and Arkit Vora, (BTech 2011) won the first prize at IIT Bombay Techfest (held during January 3-5, 2014) in the event “Appsurd” for developing an android application. They received Certificates and an Acer Iconia W5 tablet convertible to laptop.

Aditi Bhatnagar (BTech 2012) was selected as Google Student Ambassador from DAIIICT for the year 2013-14.

Saurabh Patel (BTech 2012) was selected in Google Summer of Code 2014 (May 19–August 18, 2014).

Hardik Avaiya (MSc-IT 2013) secured First Position in XENESIS - 2014, a National Level Symposium in the event X-Treme organized by LDRP-IRT, Gandhinagar on March 27, 2014.

Smit Kotadiya and Nigam Shah (MSc-IT 2013) were the winners in IT Quiz held at Rollwala College, Ahmedabad.

Smit Kotadiya (MSc-IT 2013) received appreciation letters for vulnerability reporting from Sony, SPOJ Email Brain, Almamater, Ferrari, HackerRank, HackerEarth and skyscanner.
Abhishek Shukla (BTech 2010) was selected for the grant of Short Service Commission in the flying branch of Indian Air Force; his training will commence at Air Force Academy, Dundigal, Hyderabad on July 7, 2014.

DA-IICT participated for the second time, as the only Indian team, in the International Artificial Intelligence Angry Birds Competition, 2014 hosted by the European Conference on Artificial Intelligence, 2014 at, Prague, Czech Republic and came sixth world-wide. The team was led by Prof. Sourish Dasgupta with Savan Vaghela (BTech 2011), Vishwa Modi (BTech 2011), Drhuvi Shah (BTech 2011), and Hitarth Kanakia (BTech 2012). The objective of the competition is to develop a software robot that can understand complex, unknown structures and devise a strategy on-the-fly to destroy them in an optimal way within limited time.

DA-IICT is planning to participate again in the upcoming competition to be hosted by International Joint Conference on Artificial Intelligence, 2015, Buenos Aires, Argentina. We hope to get multiple teams (drawn from the Introduction to Programming course in autumn semester 2014) representing both DA-IICT as well as India.

DA-IICT was also awarded the Outstanding IEEE Student Branch Chapter Award 2013 as well as the first prize in IEEE Industrial Application Society’s (IAS) Web Chapter Contest.

SPORTS, CULTURAL AND OTHER ACHIEVEMENTS

At the Sports Festival of LNMIIT Jaipur (January 22 to 27, 2014), DA-IICT’s Football team and Chess team made it to the semi-finals. Deep Moradia secured second position in Squash Team event.

DA-IICT Girls Table Tennis Team under the captainship of Lavanya Gupta (BTech 2012) got the third place at Shaurya-2013, the Inter-College Sports Meet held at IIM Ahmedabad.

DA-IICT Girls Table Tennis Team under the captainship of Lavanya Gupta (BTech 2012) got the 1st place at Sports Fest organized by GNLU.

DA-IICT Girls Table Tennis Team under the captainship of Lavanya Gupta (BTech 2012) got the 1st place at Sports Fest organized by GNLU.


Swarit Ameta (MSc-IT 2013) got second position in Raaga 2014 for Solo Singing.

Rishav Thakker, Shubham Saxena, Harsh Nisar, Zubin Kapadia, Mayank Ladha and Rakesh Kumar stood 1st in Western Group Category in Pentagram 2014 organized by GNLU.

Rishav Thakker, Shubham Saxena, Harsh Nisar, Zubin Kapadia, Mayank Ladha and Rakesh Kumar stood second in Western Group Category - in Synapse 2014.

The startup of Yash Shah and Nikit Saraf (BTech 2011) Areysun Online Pvt. Ltd. which is incubated at DCEI, got an incubation by Digital Media Zone and office space at Bombay Stock Exchange, Mumbai.

Anupama Panchal co-founded the venture ‘Gridle,’ a start-up incubated at the Centre for Innovation, Incubation and Entrepreneurship (CIIE) at IIM Ahmedabad.

Harshkumar Chawada (BTech 2009) designed a low-cost device of real-time water quality monitoring node that works on solar energy.
Jenil Malavia (MDes 2011) designed a real-time information system model which guide Ahmedabad commuters on bus information through a simple SMS.

DA-IICT Alumni Tuhin Paul and Indira Negi conceptualized a friendly guide “Menstupedia” which helps girls and women stay healthy and active during their periods. They have won multiple awards for their year-old startup.

INTERNSHIPS AND PUBLICATIONS

Kshitij Sharma (BTech 2012) was selected Google Summer of Code (GSOC) 2014; he did a project titled ‘Web Driver System Tests for Joomla CMS’ at an organisation JOOMLA!

Ganesh Iyer (MTech 2013) got selected for Google Summer of Code 2014 with Emory University as his mentoring organization for his project on ‘Biomedical Data Exploration and Visualization.’

Shrishail S. Gajbhar (PhD Scholar) was awarded Rs.10,000 as prize for best paper award on ‘Image Denoising using Redundant Finer Directional Wavelet Transform’ at the Fourth National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), 2013 organized by the Indian Institute of Technology, Jodhpur.

Nirmesh J. Shah (PhD Scholar) was awarded US$ 800 as travel grant from IEEE Signal Processing Society (SPS) to attend and present paper in IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2014, Florence, Italy during May 4 to 9, 2014.


Shikhar Kumar Gupta and Foram Meghal Joshi (BTech 2011) were invited to the Foundations of Nanoscience Conference (FNANO’14) organised at Snowbird, Utah, USA by the Duke University during April 11-14, 2014 to present their research work on a software 3DNA (a tool for DNA sculpting).

DA-IICT CENTRE FOR ENTREPRENEURSHIP AND INCUBATION (DCEI)

DA-IICT Centre for Entrepreneurship and Incubation (DCEI) aims to encourage students with an entrepreneurial bent of mind to come up with innovative ideas and channelise their efforts to give births to new ventures based on ICT products. DCEI has collaborations with entrepreneurship communities like National Entrepreneurship Network and Centre for Innovation, Incubation and Entrepreneurship, IIM Ahmedabad.

DCEI periodically organises workshops, seminars and talks by entrepreneurs and people from diverse backgrounds. It also facilitates visits to various research and design Institutes across the country to enable students to obtain ideas for new business ventures. It tries to arrange for part-time assistance, short-term and long-term internships with entrepreneurial ventures. With this, DCEI attempts to give the students a first-hand exposure to the challenges faced by entrepreneurs through real-world projects with startups.

The following companies are incubated by DCEI:

**Company Name:** Alma Connect Solutions Pvt. Ltd.
**Founders:** Swapnil Khandelwal & Rubish Gupta
**Company URL:** www.almaconnect.com

**Company Name:** PlayPower Labs India Pvt. Ltd.
**Founder:** Kishan Patel
**Company URL:** www.playpowerlabs.com

**Company Name:** Areysun Online Pvt. Ltd.
**Founders:** Abhi Desai & Yash Shah
**Company URL:** www.areysun.com

**Company Name:** Appbin Labs Pvt. Ltd.
**Founders:** Siddharth Kothari & Sagar Chandana
**Company URL:** www.getappbin.com
As part of its ongoing commitment to reach, engage and connect to its graduates, the DA-IICT Alumni Association organized the fourth Alumni Day at the Institute campus on 15 February 2014. An announcement of the Alumni Day was carried on various online channels including almaconnect, facebook and google Alumni group. This was followed by personal invites to those who indicated their interest in attending the event. The programme was held in two parts. The first was an interaction between the faculty and the alumni in the morning and the second an interaction between the alumni and current students in the evening.

The first session began with the welcome address by Prof. Rahul Muthu the Convener, Alumni Board. The imminent launch of the DA-IICT Alumni Card was announced. The alumni (who were not able to visit their alma mater due to their prior commitments) had the opportunity of live interaction through a webcast (VMukti) on the Alumni Day.

The open discussion addressed the need of establishing an Alumni Account to which an alumni can contribute; this fund can be utilized to support the students to travel to attend the national/international conferences to present their research papers. Alumni’s help was also sought to assist the students in summer internships.

The Alumni Day celebrations concluded with the distribution of mementos followed by a group photograph. Later, the alumni also got an opportunity to participate in the informal Fun events and the Raaga Night.

Apart from this meet, the alumni activities also took place at various cities in India including NCR, Mumbai, Bengaluru, Ahmedabad and Hyderabad and in USA during the course of the academic year.
The Resource Centre (RC) has become a fuel-station for academic and research activities of the Institute. Whenever faculty and students need any piece of information for their academic requirements, they first search the RC resources. These resources include, printed books, ebooks, journals, bound volumes, online databases and videos. The RC continues to play a catalytical role in maintaining academic excellence at the Institute.

eResources are increasing rapidly and usage is spreading among the user-community. The student community still perceives the RC as a place to study with concentration in the academic ambience of books, journals, and cubicles surrounding them. It is all reflected in the occupancy statistics. The RC print-book collection is on rise covering not just ICT studies but also humanities, literature, history and social sciences (refer to Additions to Collection Table below). Programmes and events spread throughout the year supported teaching, learning, research and scholarly activities of the Institute. New methods were adopted to provide available information in structured format for effective utilization and to facilitate the end-user. Based on the suggestions received from users and analysis of Management Info Stats (MIS), changes were effected in the section layouts. That had helped the users take advantage of the RC infrastructure effectively. Services like Current Contents, Content Page Service, Newspaper Clippings continued to keep users updated, not only in their subjects of interest but also in interdisciplinary branches and society in general. The RC’s emphasis on both Print and Digital Resources helped the users balance learning activity by referring to both types of resources. Good numbers of useful specialized as well as general eResources were brought under one umbrella of the RC’s website to facilitate users to find information from a single window. Proactive, innovative approach in disseminating right, useful and latest information using modern technological tools remained the main objective of the Resource Centre. Some of the significant activities and services carried out during the year of this report are given below.

Print and Audio Visual Collection

The RC collection includes books, conference proceedings, reference books, CDs, VCDs, DVDs etc. The following Table presents the additions during the academic year 2013-14.

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<th>Collection Type</th>
<th>Added in 2013-14</th>
<th>Total as on 31 July 2014</th>
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<td>Total Collection</td>
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<td>35812</td>
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</tbody>
</table>

Print-Journals

In the academic year 2013-14, the RC renewed print-journal subscriptions of 168 journals of which 95 were from the 9 academic disciplines and the remaining from interdisciplinary and allied subjects.

Digital Resources

The RC subscribed to the following 14 digital resources collection during the year under review. The RC Committee has declared it as a core collection to support Institute’s academic and research activity.

- ACM Digital Library
- ASA Digital Library
- American Institute of Physics (AIP) Online Journals
- American Physical Society (APS) Online Journals
- ASABE Technical Library
- ASIS&T
- IEL Online Library (IEEE Xplore)
- indiastat.com
- JSTOR Archive
- LNCS Online Collection
- ITU Recommendations
- Publications from USENIX
- ScienceDirect (Computer Science Collection)
- Springer Online Journals

These online resources contain more than 5000 peer-reviewed/specialised e-journals and statistical databases.
This year RC also purchased perpectual access to following three eBooks collection. These collections offer online access to more than 9450 eBooks

- IEEE-MIT Press eBooks Library
- IEEE-Wiley eBooks Library
- Springer eBooks, Computer Science collection 2013

Circulation Services
During 2013-14, over 17593 documents were issued to users. These documents included books, reference books, current and bound volumes of journals and audio - visual materials and were mainly circulated among the faculty, students and staff members of the Institute.

Resource Sharing (Inter-Library Loan Service)
The Resource Centre has been taking an active part in resource-sharing activities with local libraries and the libraries at the national level through ADINET, DELNET and INFLIBNET library networks. During the reporting period, the RC borrowed 24 books and lent 10 books to other Institutions. It also received 152 research papers or articles from professional journals required by our faculty and delivered 148 research papers/articles to other Institutions.

To further support academic and research activity, the RC has become a member of Development Library Network (DELNET) and Ahmedabad Library Network (ADINET). These memberships entitle access to all the databases created by this network, and support on Inter-Library Loan and Document Delivery Services.

Institutional Memberships
Institutional Membership of other professional bodies, institutions and consortia play an important role in providing information from the sources not stocked by the RC. The RC renewed the membership of 12 professional bodies, institutions and consortia and availed the benefits of participation in professional programs. The 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), Indian National Digital Library in Engineering Science and Technology Consortium (INDEST), International Telecommunication Union (ITU), UGC-Infonet Digital Library Consortium among others.

Project Reports
The RC has been maintaining a collection of all PhD theses, MTech dissertations and MDes Projects (both print and digital formats) submitted by students of DA-IICT. Efforts made to collect, organize and provide access to all the BTech project reports of the last batches were successful and now 961 digital copies of the Project Reports are added the the Institutional Repository. These reports are now available in digital form for consultation. A separate batch-wise catalogue providing details of each project along with an abstract is now available on the internet through the RC website.

Research Information
To promote and support the Institute’s research undertakings, the RC continued to put its concerted efforts in tracking and providing updated information relating to ‘Call for Research Proposals’ and ‘Research Funding Sources’. The faculty and researchers have found this service useful in identifying potential projects for funding.

Access to Special Lectures
During reporting period, the RC continued its efforts to collect, organize and provide access to the information relating to all special lectures held in the Institute. These included a collection of Power Point presentations and video recordings of 2 lectures delivered by prominent persons. The list with links to presentations and video recordings of all possible events is now made available through RC website.

Preview Room Facility
The RC has a preview room which is equipped with multi-media projector, DVD player, audio-amplifier with high-quality sound system to view in-group the education materials in support of teaching and learning. Faculty from Humanities and ICT-ARD extensively used the facility and arranged lectures. Special Interest Groups like MyKindOfMusic too used Preview Room for their monthly experience-sharing meetings. Occasionally Placement Cell of DA-IICT arranged group-presentations for visiting companies at the Preview Room. Preview Room is also used
for Academic Orientation programmes for freshers. More than 82 group viewings were arranged during the year.

**Reference and Information Services**

To promote the effective use of available resources, the RC continued all the information services introduced in the previous years with updated information. These services were well received by the student community. A new service i.e., ‘Topical Display on Course-related Titles’ was introduced during the year to create awareness about collections available in the RC and thereby promote reading habits among students. Also, 5 new bibliographies were compiled on different subjects to promote the use of collections.

**Digital Repository of Scholarly Resources (DRSR)**

The DRSR which was launched last year to collect, organize, preserve, provide access to, and promote dissemination of the scholarly output of the DA-IICT Community, was well-received by the faculty and students. The metadata-database of the faculty publications, research papers, journal articles and other professional presentations serves as a platform to the faculty, researchers, and students of the Institute to share their research work with wider community. Currently it hosts close to 2053 resources.

**Infrastructure**

A new PC was added to Preview Room infrastructure to further facilitate use of equipment.

**Orientation and Information Literacy Programs**

A detailed orientation program to introduce the new entrants to various programs (BTech, Masters & PhD) with the RC collection, facilities and services was held from 22-25 July 2014. The sessions were conducted in twelve batches of 75 minutes each.

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**Visitors to RC**

<table>
<thead>
<tr>
<th>Institution</th>
<th>No. of visitors</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Library Automation Team of three people from Centre for Environment Education (CEE), Ahmedabad</td>
<td>3 Professionals</td>
<td>29 January 2014</td>
</tr>
<tr>
<td>Department of Library &amp; Information Science, S P University, Vallabhbh Vidyanagar, Gujarat</td>
<td>22 Students + 4 Faculty</td>
<td>21 February 2014</td>
</tr>
</tbody>
</table>
Internship
As part of its regular internship program for fresh Library Science Graduates, the RC recruited three MLISc graduates in August 2013 for one year internship with monthly stipend. These fresh graduates were given training in all areas of LIS work including handling of digital resources.

Staff Training
For efficient delivery of services, domain-centric staff training is needed to upgrade their knowledge and skills. During 2013-14, the following staff members attended the workshops/seminars.
- Satish Deshpande, Prasanna Kumar, Saurabh K Prajapati attended one day seminar on ‘Redefining Libraries to Create Next Generation Libraries’ organized by Ahmedabad Library Network ADINET and INFLIBNET at Entrepreneurship Development Institute of India, Ahmedabad, on 10 August 2013.

Paper Published
The DA-IICT regularly upgrades the infrastructure facilities to facilitate better teaching and learning and comfortable stay for the students. The DA-IICT campus is eco-friendly and fully networked with 1GBps optical fiber cable connectivity between various buildings and having 1GBps internet bandwidth.

During the reporting year, the Institute acquired additional ICT resources worth Rs.40.00 lakh. They included procurement of four servers with higher-end configuration to perform simulation, parallel computation and high performance computing. A new closed circuit television system (CCTV) covering the strategic locations of the campus was installed. The other ICT additions were Cyberoam, UTM Firewall, Adobe creative cloud software, Microsoft Volume Licences and Microsoft Dream Spark exclusively for students, Oracle software Licences, Printers, Desktop computers, Laptops, Network up-gradation and expansion of wireless connectivity. In the Laboratory new hardware such as COMBLOCK boards, Raspberry-PI boards with required accessories, Texas instrument make open source Linux-computer Beagle Bone Black boards, Intel Galileo Development Boards, Mojo FPGA Development Board, portable EEG machine with 32 channel and Xilinx Vivado System Edition software were added. To support teaching, a portable Audio amplifier system for tutorial room, projection systems and an iBall make device Take Note A414 were procured.

The construction of the hostel with 48 rooms for girl students and renovation of wash rooms of boy's hostels were completed. A new walkway between hostel and food court and an access pathway to the Play Ground were constructed.
Annexure 1

MANAGEMENT

Academic Council
Prof S C Sahasrabudhe, Chairman  Director, DA-IICT
Shri K Narayan  Management Consultant, Reliance ADA Group, Mumbai
Prof Surendra Prasad  Director, Indian Institute of Technology Delhi, New Delhi
Prof David Koilpillai  Professor & Dean (Planning) Indian Institute of Technology Madras, Chennai
Shri Suresh Rangachar  President, Reliance Communications Limited, Mumbai
Prof V P Sinha  Professor, DA-IICT, Gandhinagar
Prof Ganesh Devy  Professor, DA-IICT, Gandhinagar
Prof Ashok Amin  Professor, DA-IICT, Gandhinagar
Prof Suman K Mitra  Dean (Academic Programs), DA-IICT, Gandhinagar
Shri Soman Nair, Secretary  Executive Registrar, DA-IICT, Gandhinagar

Finance Committee
Prof S C Sahasrabudhe, Chairman  Director, DA-IICT, Gandhinagar
Shri K Narayan  Management Consultant, Reliance Group, Mumbai
Shri Surendra Pipara  President, Reliance Group, Mumbai
Prof Suman K Mitra  Dean (AP), DA-IICT, Gandhinagar
Shri Soman Nair, Secretary  Executive Registrar, DA-IICT, Gandhinagar

INSTITUTE OFFICIALS

Director
Prof S C Sahasrabudhe

Executive Registrar
Shri Soman Nair

Deans
Academic Programs
Prof Suman K Mitra

Chief Librarian
Shri Satish Deshpande (Consulting Librarian)

Research and Development
Prof Anish Mathuria

Head (HR & Administration)
Shri Hasendrasinh Jhaa

Students
Prof Sanjeev Gupta
Resource Centre Committee
Prof M V Joshi, Convener
Prof Gautam Dutta, Member
Prof Preetida V Jani, Member
Shri Satish Deshpande, Member Secretary

ICT Committee
Prof C Vijaykumar, Convener
Prof Amit Bhatt, Member
Prof Anjan Ghosh, Member
Mr Nimesh Patel, Member
Prof Rahul Dubey, Member
Mr Rajendra Shah, Member

ICT Committee
Prof C Vijaykumar, Convener
Prof Amit Bhatt, Member
Prof Anjan Ghosh, Member
Mr Nimesh Patel, Member
Prof Rahul Dubey, Member
Mr Rajendra Shah, Member

Placement Committee
Prof Ranendra Ghosh, Convener
Prof Amit Bhatt, Member
Prof Asim Banerjee, Member
Prof Prabhat Ranjan, Member
Prof V Sunita, Member

Web Committee
Prof L Pillutla, Convener
Prof Jaideep Mulherkar, Member
Prof Minal Bhise, Member
Prof Sourish Dasgupta, Member

CEP Committee
Prof Manjunath V Joshi, Convener
Prof Mehul Raval, Member
Prof B N Hiremath, Member
Prof Mazad Zaveri, Member

Annual Report Committee
Shri Satish Deshpande - Convener
Prof Suman Kumar Mitra - Member
Prof Anish Mathuria - Member
Prof Sanjeev Gupta - Member
Prof BN Hiremath - Member
Prof Madhumita Mazumdar - Member
Shri Soman Nair - Member

Disciplinary Committee
Dean – Students, Convener (ex-officio)
Warden, Gents Hostel (ex-officio)
Warden, Ladies Hostel (ex-officio)
Dy. Registrar (ex-officio)
Student members (nominated)

Gender Cell
Prof Binita Desai, Convener
Ms Geeta Mehta, Member
Prof Radha Parikh, Member
Prof Anjan Ghosh, Member
Dr Neeta Shah (Director, Gujarat Infomatics Limited) - External Member
Student Representatives: PG rep, third year rep, second year rep, first year rep

Student Activities Council
Prof Mukesh Tiwari, Sports Counsellor
Prof Madhumita Mazumdar, Cultural Counsellor

Alumni Board
Dean – Students, Convener (ex-officio)
Prof Anil Roy, Member
Prof Asim Banerjee, Member
Prof Rahul Muthu, Member
# Annexure 2

**THESES, PROJECTS AND REPORTS**

**PhD Theses**

1. Rawal, Divyang, Channel estimation and soft OSIC detection in coherent MIMI-OFDM systems using QRD techniques (802.16 m); 84 p.; 2014. (Supervisor: Chakka, Vijay Kumar)
2. Joy, Arun, Adaptive channel estimation and loading for OFDM based two-way relay systems; viii, 78 p.; 2014. (Supervisor: Chakka, Vijay Kumar)

**MTech Theses**

2. Agrawal, Madhulika, Retrieval of legal documents using query expansion; vii, 41 p.; 2014. (Supervisor: Majumder, Prasenjit)
4. Bhayani, Snehal, I., Pose estimation from one conic correspondence; x, 99 p.; 2014. (Supervisor: Tatu, Aditya)
5. Dalal, Tejas D., HDL implementation and study of ANN architecture mapping onto multiple processing nodes; ix, 39 p.; 2014. (Supervisor: Zaveri, Mazad)
7. Dhoot, Kuldeep, Post-processing of speech signal for prosody modification and improvement; xv, 90 p.; 2014. (Supervisor: Patil, Hemant A.)
8. Dubey, Mohnish, Text negation normalization; 47 p.; 2014. (Supervisor: Dasgupta, Sourish)
9. Geethakrishnan, P., Reconstruction of 1-D signal from the undersampled version; vii, 59 p.; 2014. (Supervisor: Joshi, Manjunath V.)
12. Jain, Archit, Image compression using DCT and compressive sensing (CS) theory; viii, 61 p.; 2014. (Supervisor: Joshi, Manjunath V.)
13. Jain, Priyanka, Tikitaka based attack strategy for soccer simulation 2D; ix, 40 p.; 2014. (Supervisor: Dasgupta, Sourish)
17. Khandhar, Mihir, Query optimization of subject oriented database through compilation and execution; vii, 62 p.; 2014. (Supervisor: Divakaran, Srikrishnan)
20. Mordiya, Chetankumar, Ontology development and query execution for an agro-advisory system; vi, 61 p.; 2014. (Supervisors: Bhise, Minal and Chaudhary, Sanjay)
22. Nair, Pradeep, Fault tolerance schemes for mission critical application; xi, 67 p.; 2014. (Supervisor: Dubey, Rahul)
23. Patel, Chirag Rajendrabhai, All- digital delay-line based ultra wide band transmitter architecture in 0.18 µm CMOS; ix, 56 p.; 2014. (Supervisor: Mishra, Biswajit)
24. Patel, Jayendra, HDL implementation of a node of bayesian polytree inference; ix, 41 p.; 2014. (Supervisor: Patil, Mazad)
25. Patel, Jayesh, Implementation of different branch prediction schemes on fabscalar generated superscalar processor; viii, 47 p.; 2014. (Supervisor: Bhatt, Amit)
26. Patel, Shail, Performance analysis and comparison of community based node cooperation in mobile social networks; vi, 35 p.; 2014. (Supervisor: Srivastava, Sanjay)
27. Patil, Abhijit Tukaram, Carrier recovery using costas loop for use in software defined radio; vii, 56 p.; 2014. (Supervisor: Dubey, Rahul)
28. Rajkotiya, Prashant, Data aware hybrid partitioning technique and query execution for RDF data; 77 p.; 2014. (Supervisor: Bhise, Minal)

29. Raju, Kailidindi Vijaya Rama, Dynamic reconfiguration of cache memories for leakage power reduction; xi, 36 p.; 2014. (Supervisor: Bhatt, Amit)

30. Rangani, Jaydeep, HDL implementation of associative memory based instruction predictor for power reduction; viii, 41 p.; 2014. (Supervisor: Zaveri, Mazad)


32. Sanghani, Hardik Jayesh, Design of custom wireless protocol for signal transmission inside space equipment; xii, 99 p.; 2014. (Supervisor: Dubey, Rahul)

33. Sarupuri, Bhuvaneswari, Estimating depth from monocular video under varying illumination; vii, 44 p.; 2014. (Supervisor: Tatu, Aditya)

34. Savaliya, Ankitkumar P., Fully digital ultra low power capacitive sensor interface; viii, 35 p.; 2014. (Supervisor: Mishra, Biswajit)

35. Shah, Bhavik, Structure indexed vertical partition and query execution for RDF data; vii, 66 p.; 2014. (Supervisor: Bhise, Minal)

36. Shah, Harsh Kaushikbhai, Understanding user intent in community question answering; vii, 41 p.; 2014. (Supervisor: Majumder, Prasenjit)


38. Sharma, Shubham, Vocal tract length normalization for automatic speech recognition; xii, 80 p.; 2014. (Supervisor: Patil, Hemant A.)


40. Trivedi, Nirav P., Full custom design of a 0.18 micron sub-threshold processor; ix, 40 p.; 2014. (Supervisor: Mishra, Biswajit)


42. Vyas, Krunal D., Design of a low noise amplifier for UWB range of 5.5-8.5 GHz; ix, 36 p.; 2014. (Supervisor: Gupta, Sanjeev)

**MDes Project Reports**

1. Goswami, Vrushin, Hospital navigation system, focus: Ahmedabad; 79 p.; 2014. (Supervisor: Desai, Binita)

2. Haritha, V.V., Theyyam: the dancing colours of caste, focus: North Malabar (Kerala); 69 p.; 2014. (Supervisors: Pandya, Vishvajit and Mazumdar, Madhumita)


5. Shah, Namita, Patola: the ikat of Gujarat; 100 p.; 2014. (Supervisors: Mazumdar, Madhumita and Raje, Nitin)

6. Sharma, Nitish, City trot, focus: old Delhi; 89 p.; 2014. (Supervisors: Pandya, Vishvajit and Raje, Nitin)

**MSc ICT-ARD Project Reports**


4. Pahuja, Gunjan, Development of Website for Social Discussion and Information Retrieval: form Creation and Data Analysis; 21p.; 2014. (Supervisor: Mishra, Gaurav)


6. Shah, Munjal, ICT Infrastructure and Service Management of Kisan Call Center; 20 p.; 2014; (Supervisors: Ghosh, Ranendu and Jani, Ravi)
## 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>Amin, Ashok</td>
<td>Graph algorithms, network reliability, program complexity, models of diagnosable systems</td>
</tr>
<tr>
<td>Banerjee, Asim</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>Bhateja, Punnet</td>
<td>Formal Methods used for Testing and Verification</td>
</tr>
<tr>
<td>Bhatt, Amit</td>
<td>3D IC, computer architecture, low power methodology in digital design</td>
</tr>
<tr>
<td>Bhise, Minal</td>
<td>Semantic web, distributed databases, software system analysis and design</td>
</tr>
<tr>
<td>Chatterji, Samaresh*</td>
<td>Algebra, discrete mathematics, computer simulation and applications</td>
</tr>
<tr>
<td>Chaudhury, Bhaskar</td>
<td>Computational Plasma Physics, Computational Electromagnetics, High Performance Computing, Scientific Data Management</td>
</tr>
<tr>
<td>Das, Manik Lal</td>
<td>Information security, cryptography, system design and analysis</td>
</tr>
<tr>
<td>Dasgupta, Sourish*</td>
<td>Distributed multi-agent system, semantic web, artificial intelligence</td>
</tr>
<tr>
<td>Desai, Binita</td>
<td>Animation, communication design and multimedia</td>
</tr>
<tr>
<td>Devy, Ganesh</td>
<td>Comparative literature, cultural studies</td>
</tr>
<tr>
<td>Divakaran, Srikrishnan</td>
<td>Design and analysis of algorithms for problems in bioinformatics, machine scheduling and distributed systems</td>
</tr>
<tr>
<td>Dubey, Rahul</td>
<td>Design and prototyping of digital systems, factory automation</td>
</tr>
<tr>
<td>Dutta, Gautam</td>
<td>Quantum computers, signal processing, image processing, particle physics</td>
</tr>
<tr>
<td>Ghodaonkar, Deepak</td>
<td>RF and microwave engineering, Microwave measurements, microwave characterization of composite materials, biomedical applications of microwaves, RFID and metamaterials</td>
</tr>
<tr>
<td>Ghosh, Anjan*</td>
<td>Optical computing, optical communications and networking, photonics, meta-materials, chaos, sensors, sensor networking, MEMS, instrumentation, e-health, open-source software, engineering education</td>
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### Annexure 3

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<td>Amin, Ashok</td>
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<td>Information security, cryptography, system design and analysis</td>
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<td>Divakaran, Srikrishnan</td>
<td>Design and analysis of algorithms for problems in bioinformatics, machine scheduling and distributed systems</td>
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<td>Optical computing, optical communications and networking, photonics, meta-materials, chaos, sensors, sensor networking, MEMS, instrumentation, e-health, open-source software, engineering education</td>
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* On leave
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<tr>
<th>Name</th>
<th>Qualification</th>
<th>Institution</th>
<th>Research Areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ghosh, Ranendu</td>
<td>PhD (Soil Science and Agricultural Chemistry)</td>
<td>Indian Agricultural Research Institute, New Delhi</td>
<td>Satellite remote sensing, GIS, satellite communication applications for rural development, sustainable agriculture system.</td>
</tr>
<tr>
<td>Gupta, Manish K.</td>
<td>PhD (Mathematics)</td>
<td>IIT Kanpur</td>
<td>Information processing in biology, bio-molecular (DNA, membrane, cell) computing, coding and information theory, cryptology, quantum computing, computational, structural and systems biology and bioinformatics</td>
</tr>
<tr>
<td>Gupta, Sanjeev</td>
<td>PhD (Communication Engineering)</td>
<td>Queen's University, Belfast, UK</td>
<td>Smart antennas, communication and radar systems, RF/microwave applications</td>
</tr>
<tr>
<td>Hiremath, B. N.</td>
<td>PhD (Agricultural Economics)</td>
<td>University of Kentucky, USA</td>
<td>Sustainable rural livelihoods, food and livelihood security at household level, participatory approaches, rural development, natural resources and environmental economics, research methodology.</td>
</tr>
<tr>
<td>Jani, Preetida V.</td>
<td>PhD (Electrical Engineering)</td>
<td>University of Technology, Sydney, Australia</td>
<td>Wireless and cellular networks, mobile networks, ubiquitous connectivity, data compression algorithms, network security, wireless systems, cognitive radio</td>
</tr>
<tr>
<td>Jat, Pokhar Mal</td>
<td>PhD (Computer Science and Engineering)</td>
<td>ML Sukhadia University, Udaipur</td>
<td>Databases, software design and semantic web</td>
</tr>
<tr>
<td>Joshi, Manjunath V.</td>
<td>PhD (Electrical Engineering)</td>
<td>IIT Bombay</td>
<td>Computer vision, image processing, super-resolution, restoration, signal processing, digital communication</td>
</tr>
<tr>
<td>Kollipara, Bharani</td>
<td>PhD (English Literature)</td>
<td>English And Foreign Languages University, Hyderabad, AP.</td>
<td>Literature and Philosophy, Ancient Greek Philosophy, Political Theory, Aesthetics</td>
</tr>
<tr>
<td>Majumder, Prasenjit</td>
<td>PhD (Computer Science)</td>
<td>Jadavpur University, Kolkata</td>
<td>Information retrieval, natural language processing, digital libraries</td>
</tr>
<tr>
<td>Mathuria, Anish</td>
<td>PhD (Computer Science)</td>
<td>University of Wollongong, Australia</td>
<td>Computer security</td>
</tr>
<tr>
<td>Mazumdar, Madhumita</td>
<td>PhD (Modern History)</td>
<td>University of Calcutta, Kolkata</td>
<td>Social history of science, technology and medicine in India, cultures of communication and media</td>
</tr>
<tr>
<td>Mishra, Biswajit</td>
<td>PhD (Electrical &amp; Electronics Engineering, University of Southampton, UK)</td>
<td>University of Southhampton, UK</td>
<td>Ultra low power and subthreshold circuit methodologies, very low voltage circuits for wireless sensor networks digital IC design, power management for energy harvesters signal processing hardware for color image processing geometric algebra and novel hardware</td>
</tr>
<tr>
<td>Mitra, Suman Kumar</td>
<td>PhD (Computer Science)</td>
<td>Indian Statistical Institute, Kolkata</td>
<td>Image processing, pattern recognition, fractal, Bayesian network, digital image watermarking</td>
</tr>
<tr>
<td>Mulherkar, Jaideep</td>
<td>PhD (Mathematics)</td>
<td>University of California, Davis, USA</td>
<td>Mathematical physics, quantum computation and information</td>
</tr>
<tr>
<td>Muthu, Rahul</td>
<td>PhD (Computer Science)</td>
<td>Homi Bhabha National Institute, Mumbai</td>
<td>Graph theory, algorithms</td>
</tr>
</tbody>
</table>

* On leave
<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Institution/University</th>
<th>Specializations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nagchoudhuri, Dipankar*</td>
<td>PhD (Electrical Engineering)</td>
<td>Michigan State University, USA</td>
<td>VLSI design, CMOS circuits and technology, biomedical signal processing chip design</td>
</tr>
<tr>
<td>Pandya, Vishvajit</td>
<td>PhD (Anthropology)</td>
<td>University of Chicago, USA</td>
<td>Material culture, design and communication culture, visual anthropology, rituals and history</td>
</tr>
<tr>
<td>Parikh, Alka</td>
<td>PhD (Agriculture and Allied Economics)</td>
<td>Cornell University, USA</td>
<td>Rural development and the related issues like agriculture, poverty, unemployment and wages, rural finance, environment and development, disaster management</td>
</tr>
<tr>
<td>Parikh, Radhha</td>
<td>PhD (Special Education)</td>
<td>University of Missouri, Columbia, USA</td>
<td>Communication, value education, constructivist approach to teaching and learning, technology in education (e-learning)</td>
</tr>
<tr>
<td>Patil, Hemant</td>
<td>PhD (Signal Processing)</td>
<td>IIT Kharagpur</td>
<td>Speaker recognition and wavelet signal processing</td>
</tr>
<tr>
<td>Pillutla, Laxminarayana</td>
<td>PhD (Electrical Engineering)</td>
<td>University of British Columbia, Canada</td>
<td>Statistical signal processing, information theory, game theory, non-linear optimization, wireless sensor networks, cognitive radio, cross layer design of wireless networks</td>
</tr>
<tr>
<td>Raut, Manoj Kumar</td>
<td>PhD (Mathematics)</td>
<td>IIT Madras</td>
<td>Combining decision procedures, theorem proving, knowledge representation and reasoning, logic</td>
</tr>
<tr>
<td>Roy, Anil</td>
<td>PhD (Physics)</td>
<td>IIT Delhi</td>
<td>Fiber optics and optical communication, quantum optics, nanotechnology, semiconductor devices</td>
</tr>
<tr>
<td>Sahasrabudhe, S. C.</td>
<td>PhD (Communication/Signal Processing)</td>
<td>Leningrad University, USSR</td>
<td>Communications, signal and image processing and microprocessor applications.</td>
</tr>
<tr>
<td>Sarkar, Aditi Nath</td>
<td>M.A. (South Asian Languages and Civilizations)</td>
<td>University of Chicago, USA</td>
<td>Literature, religion, cultural history, south Asian civilization studies</td>
</tr>
<tr>
<td>Sahu, Nabin Kumar</td>
<td>PhD (Mathematics)</td>
<td>IIT Kharagpur</td>
<td>Applied Functional Analysis, Operator Theory, Variational Inequality, Variational Inclusion Problems</td>
</tr>
<tr>
<td>Sinha, V. P.</td>
<td>PhD (Electrical Engineering)</td>
<td>University of London, UK</td>
<td>Digital signal and image processing, theory of communication, discrete mathematics and logic, modern Fourier theory</td>
</tr>
<tr>
<td>Srivastava, Sanjay</td>
<td>PhD (Physics)</td>
<td>University of California, Los Angeles, USA</td>
<td>Computer networks, protocol modelling, simulation</td>
</tr>
<tr>
<td>Sunitha, V.</td>
<td>PhD (Mathematics)</td>
<td>IIT Madras</td>
<td>Algorithms, discrete mathematics, graph theory, parallel and distributed computing, theoretical computer science, interconnection networks</td>
</tr>
<tr>
<td>Tatu, Aditya</td>
<td>PhD (Image Analysis)</td>
<td>University of Copenhagen, Denmark</td>
<td>Mathematical image processing, shapes, image features</td>
</tr>
<tr>
<td>Tiwari, Mukesh</td>
<td>PhD (Optical Science and Engineering)</td>
<td>University of New Mexico, USA</td>
<td>Statistical physics, non linear dynamics, quantum transport, surface science</td>
</tr>
<tr>
<td>Vijaykumar, C.*</td>
<td>PhD (Communication Engineering)</td>
<td>REC Tiruchirapalli</td>
<td>Digital signal processing, estimation theory, wireless communications, speech processing</td>
</tr>
</tbody>
</table>

* On leave
### Areas of Interest

**Cortex-inspired computational models:** artificial and spiking neural networks, associative memories, intelligent signal-processing, Bayesian inference, hierarchical and modular models of the mammalian cortex, neuromorphic hardware, circuits and architectures: digital and mixed-signal vlsi, nano-architectures, hybrid nanotechnology - CMOL, architecture performance/price assessment, hardware design-space exploration.

**Phased Array Antennas, Microwave Filter Design, Frequency Selective Surfaces**

### Visiting Faculty

<table>
<thead>
<tr>
<th>Name of the Faculty</th>
<th>Areas of Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garg, Shweta</td>
<td>Food and Cultural Studies, Performance Studies, Creative Writing, Literature of the Indian Diaspora</td>
</tr>
<tr>
<td>Jotwani, Naresh</td>
<td>Solar energy, engineering design, economics.</td>
</tr>
<tr>
<td>Mishra, Gaurav</td>
<td>E-Governance ICT for development, communication for development, rural development, human-computer interaction</td>
</tr>
<tr>
<td>Mukerji, Maitrayee</td>
<td>Management Information Systems (MIS), Strategic Information Systems (SIS), ICTs and Development, e-Governance</td>
</tr>
<tr>
<td>Modi, Amishal</td>
<td>English language Teaching, victorian literature, indian poetry in english</td>
</tr>
<tr>
<td>Parekh, Rutu</td>
<td>Nanoelectronics, nano device-CMOS hybridization, design and simulation, circuit design, modeling and simulation of next-generation memory (PCM), nanofabrication.</td>
</tr>
<tr>
<td>Sharan, Girja</td>
<td>Modeling of agricultural and biological systems, technology for arid areas, earth-tube-heat-exchanger, greenhouse, dew harvest condensers, radiation-cooling</td>
</tr>
</tbody>
</table>

### Adjunct Faculty

The following adjunct faculty members were associated with the teaching work during the academic year 2013-14.

<table>
<thead>
<tr>
<th>Name of the Faculty</th>
<th>Areas of Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Banerjee, Nandini</td>
<td>Organisational behaviour, economics, management</td>
</tr>
<tr>
<td>Banerjee, Soumitra</td>
<td>Business strategy and management</td>
</tr>
<tr>
<td>Name</td>
<td>Qualification/Institution</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------------------------------------------------------------</td>
</tr>
<tr>
<td>Chaturvedi, Manish</td>
<td>M.Tech-(ICT) DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Dasgupta, Kuntala</td>
<td>B Sc Calcutta University, West Bengal</td>
</tr>
<tr>
<td>Dandekar, Prakash</td>
<td>M.Tech-Electrical Engineering, Bombay</td>
</tr>
<tr>
<td>Garg, Gagan</td>
<td>Ph.D. (Computer Science) Indian Institute of Science, Bangalore</td>
</tr>
<tr>
<td>Iyer, Vishal</td>
<td>CFA, CFA Institute, USA M.S.- (Finance) ICFAI University, Hyderabad</td>
</tr>
<tr>
<td>Jha, Sunita</td>
<td>MTech (Biochemical Engineering &amp; Biotechnology), IIT Delhi</td>
</tr>
<tr>
<td>Krishnamurthi, G.</td>
<td>PGDM IIM Bangalore</td>
</tr>
<tr>
<td>Krishnamurthy, Sujatha</td>
<td>PhD</td>
</tr>
<tr>
<td>Kumbar, T. S.</td>
<td>PhD (Library and Information Science) Gulbarga University</td>
</tr>
<tr>
<td>Patel, Narendra</td>
<td>Diploma in Visual Communication National Institute of Design, Ahmedabad</td>
</tr>
<tr>
<td>Raje, Nitin</td>
<td>PhD (Advanced Building Systems) Carnegie Mellon 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 Engineering, IIT Delhi</td>
</tr>
<tr>
<td>Yagnik, Jignasu</td>
<td>MBA, Gujarat University</td>
</tr>
<tr>
<td>Khetan, Lokesh</td>
<td>MDes (CD), DA-IICT</td>
</tr>
<tr>
<td>Joshi, Pranav</td>
<td>B Sc., Diploma in Computer Science, C-DAC</td>
</tr>
<tr>
<td>Zunnun A Raoof Narmawala</td>
<td>M.Tech(ICT) DA-IICT, Gandhinagar</td>
</tr>
</tbody>
</table>
LISTING OF STAFF MEMBERS

Registrar
Soman Nair, Executive Registrar

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

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

Director/Dean/Faculty Offices
Venugopal PR, Secretary to Director
Sangita Karia, Secretary, Registrar’s Office
Abhilash Kumar Bhaskaran, Secretary Registrar’s office
Satyabir Singh, Secretary to Dean - AP
Mukesh Thaker, Secretary to Dean - R & D
Deepa Poduval, Secretary, Faculty Block 2
Geeta S Nair, Secretary, Faculty Block 4

Academic Programs
Jigar P Yagnik, Deputy Registrar (Academic)
Jalpesh Pandya, Assistant Registrar (Academic)
Dinesh S Prajapati, Senior Programmer
Jainik Patel, Academic Assistant [contractual]

Placement & Continuing Education Programme (CEP)
Anjali Kulshrestha, Placement and CEP Officer
Anuradha Srivastava, Secretary

Resources Centre
Satish Deshpande, Consulting Librarian
Prasanna Kumar Muduli, Jr Prof Assistant
Saurabh Prajapati, Jr Prof Assistant
Shashaikumara A A, Jr Prof Assistant
Nitesh Singh Pawar, Professional Assistant
Surendra Kumar Soni, Library Trainee
Trinayan Boroghain, Library Trainee
Virendra Sathwara, Library Trainee
Vipul Banker, Library Trainee
Manish Goswami, Library Attendant
Mukesh Shrimali, Library Attendant [contractual]

Computer Systems
Nimesh B Patel, System Engineer
Prabhunath Sharma, Model Maker

Laboratory
Rajendra B Shah, Lab Superintendent
Ramesh Prajapati, Laboratory Assistant
Krupa V Pandya, Laboratory Assistant
Sanjay Bariya, Laboratory Assistant
Suryakant Goswami, Laboratory Assistant
Krunal G Patel, Laboratory Assistant
Firoja Sheikh, Laboratory Assistant
Bhargav Patel, Laboratory Assistant
Naresh J Patel, Laboratory Assistant

Sports
D S Karmyal, Sports Officer
Shirish Varma, Sports Assistant

Hostels
Jitendra Parmar, Hostel Supervisor
Sawankumar Sachaniya, Hostel Supervisor

Project Staff 2013-14
1. Ankur Undhad, Project Personnel Category - B
   (DPGPE sponsored project wef 15 May 2013)
   [Supervisor : Prof Hemant Patil]
2. Anusha Pathak, Senior Research Fellow (DDHIB
sponsored project w.e.f. 1 June 2013) [Supervisor: Prof. Vijaykumar Chakka]

3. Ashish Phophalia, Research Associate (TRFRPV sponsored project w.e.f. 4 January 2013) [Supervisor: Prof. Suman K Mitra]

4. Lakshmipriya V K., Junior Research Fellow (IDHHII sponsored project w.e.f. 15 May 2013) [Supervisor: Prof. M V Joshi]

5. Shubham Sharma, Project Personnel Category - B (DPGPE sponsored project w.e.f. 15 May, 2013) [Supervisor: Prof. Hemant Patil]

6. Mahammedi Zaki, Project Personnel Category-A (TTS Indian Languages Phase II w.e.f. 15 May 2013) [Supervisor: Prof. Hemant Patil]

7. Tanvina Patel, Project Personnel Category-A (TTS Indian Languages Phase II w.e.f. 21 May 2012) [Supervisor: Prof. Hemant Patil]

8. Nirmesh Shah, Project Personnel Category-B (TTS Indian Languages Phase II w.e.f. 16 May 2012) [Supervisor: Prof. Hemant Patil]

9. Hardik Sailor, Project Personnel Category-B (TTS Indian Languages Phase II w.e.f. 16 May 2012) [Supervisor: Prof. Hemant Patil]

10. Maulik Madhavi, Project Personnel Category-A (DIT Deve.of Proso. Guided Engine for Searching speech Data base in Indian Languages w.e.f. 02 April 2012) [Supervisor: Prof. Hemant Patil]

11. Vibha Prajapati, Project Personnel Category-D (DIT Deve.of Proso. Guided Engine for Searching speech Data base in Indian Languages II w.e.f. 02 April 2012) [Supervisor: Prof. Hemant Patil]

12. Janki Akhani, Project Personnel Category-C (DIT Deve.of Proso. Guided Engine for Searching speech Data base in Indian Languages II w.e.f. 02 April 2012) [Supervisor: Prof. Hemant Patil]

13. Alpesh Sathwara, IT Manager in CEID Project (CEID Project w.e.f. 11 April 2011) [Supervisor: Prof. Anish Mathuria]

14. Vaibhav Joshi, Senior Research Fellow (w.e.f. 18.6.12 to 31.12.13 Project Securing biometric data using data hiding techniques”) [Supervisor: Prof. Mehul Raval]

15. Krutarth Patel, Project Assistant (VAGT sponsored project w.e.f. 1 June 2013) [Supervisor: Prof. Anil Roy]

16. Komal Agrawal, Part Time Research Assistant (CLIA sponsored project w.e.f. 15 May 2013) [Supervisor: Prof. Prasenjit Majumder]

17. Vipul Garg, Part Time Research Assistant (CLIA sponsored project w.e.f. 15 May 2013) [Supervisor: Prof. Prasenjit Majumder]

18. Abhishek Shah, Part Time Research Assistant (CLIA sponsored project w.e.f. 15 May 2013) [Supervisor: Prof. Prasenjit Majumder]

19. Abhishek Shukla, Project Assistant (VAGT sponsored project w.e.f. 1 June 2013) [Supervisor: Prof. Anil Roy]

20. Akshat Garg, Project Assistant (VAGT sponsored project w.e.f. 1 June 2013) [Supervisor: Prof. Anil Roy]

21. Biman Gujral, Part Time Research Assistant (CLIA sponsored project w.e.f. 15 May 2013) [Supervisor: Prof. Prasenjit Majumder]

22. Dharak Shah, Part Time Research Assistant (CLIA sponsored project w.e.f. 15 May 2013) [Supervisor: Prof. Prasenjit Majumder]

23. Ishan Jain, Part Time Research Assistant (CLIA sponsored project w.e.f. 15 May 2013) [Supervisor: Prof. Prasenjit Majumder]

24. Neel Shah, Part Time Research Assistant (CLIA sponsored project w.e.f. 15 May 2013) [Supervisor: Prof. Prasenjit Majumder]

25. Pratik Jain, Part Time Research Assistant (CLIA sponsored project w.e.f. 15 May 2013) [Supervisor: Prof. Prasenjit Majumder]

26. Priyaj Jain, Project Assistant (VAGT sponsored project w.e.f. 1 June 2013) [Supervisor: Prof. Anil Roy]

27. Purvi Koringa, Senior Research Fellow (TRFRPV sponsored project w.e.f. 12 June 2013) [Supervisor: Prof. Suman K Mitra]

28. Rohan Kohli, Project Assistant (VAGT sponsored project w.e.f. 1 June 2013) [Supervisor: Prof. Anil Roy]

29. Rohan Nagrani, Junior Research Fellow (SOASD sponsored project w.e.f. 22 January 2013) [Supervisor: Prof. Sanjay Chaudhary]

30. S. Nivedita, Junior Research Fellow (DDHIB sponsored project w.e.f. 1 June 2013) [Supervisor: Prof. Vijaykumar Chakka]

31. Shirish D Jadav, Project Assistant (VAGT sponsored project w.e.f. 1 June 2013) [Supervisor: Prof. Anil Roy]

32. Varanasi Aswin Ram, Project Assistant (VAGT sponsored project w.e.f. 1 June 2013) [Supervisor: Prof. Anil Roy]

33. Vipul Garg, Part Time Research Assistant (CLIA sponsored project w.e.f. 15 May 2013) [Supervisor: Prof. Prasenjit Majumder]