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

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Shri Dhananjay Dwivedi  Secretary, Department of Science and Technology, Government of Gujarat, Gandhinagar

Shri Suresh Rangachar  Dhirubhai Ambani Institute of Information and Communication Technology Society, Mumbai

Shri Dharmendra Bhandari  Dhirubhai Ambani Institute of Information and Communication Technology Society, Mumbai

Shri Vinod Sawhny  Reliance Communications Limited, Mumbai

Shri Manikantan Iyer  Reliance Communications Limited, Mumbai

Shri N. K. Mangla  Reliance Communications Limited, Mumbai

Shri Gurdeep Singh  Reliance Communications Limited, Mumbai

Shri Shrenik Vaishnav  Reliance Communications Limited, Mumbai

Prof. Suman Kumar Mitra  Dean (Academic Programs), DA-IICT, Gandhinagar

Prof. Anish Mathuria  Dean (Research & Development), DA-IICT, Gandhinagar

Secretary
Shri Soman Nair  Executive Registrar, DA-IICT, Gandhinagar
I am honoured to present the Annual Report of DA-IICT for the academic year 2014-15. This is my first report since being appointed as the Director in January, 2015.

The year 2014-15 was a year of expanded activities. It was also a year of planning new activities for institutional growth and development. As the report illustrates, new specializations in the Postgraduate programs, expansion in networking with companies and organizations for internship and placement of students and strengthening of research dissemination by organizing workshops and seminars, took place. Our academic collaboration and global reach continued to advance with new MoUs signed with national Institutions and Universities abroad. Two foremost activities planned during the year were the preparation of a Strategic Plan for 2015-18 and applying for accreditation by the National Assessment and Accreditation Council.

I had the privilege of engaging with a group of dedicated faculty, staff and students. An eminent Board of Governors guided and supported us in managing the affairs of the Institute and we are grateful to them. This report is an open document and we look forward to receiving feedback and comments.

Nagaraj Ramrao
Director
THE INSTITUTE

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

Since its inception, DA-IICT has offered BTech, MTech, and PhD programs in Information and Communication Technology (ICT). ICT was a unique discipline at that time and this move has been emulated by a number of premier institutes across India. Over the years, the Institute has expanded its offerings to include programs such as MSc in information Technology, M.Des in Communication Design and MSc in ICT for Agriculture and Rural Development.

DA-IICT was envisioned to be a leader in higher learning and research in ICT domain. To support this, right from the beginning, Institute attracted the finest talent of faculty with a PhD from eminent institutions across the world.

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 has dedicated research laboratories -- two such examples are Information Retrieval Laboratory and the Speech Processing Laboratory. It also has an Incubation Centre, supported by the Department of Science and Technology, Government of India to nurture and develop business ideas based on latest and emerging technology.

At the invitation of the Government of Gujarat, DA-IICT is mentoring the new Indian Institute of Information Technology, Vadodara (IIIT-V) setup under Public-Private Partnership mode, which started admitting students from the academic year 2013-14. We are honoured to be the first private University in India to be entrusted with the prestigious task of mentoring a premier central institute like IIIT-V.

Over the years, DA-IICT graduates have made a name for themselves in academia, technical, managerial, and business domains. In keeping with the ethos of DA-IICT, a significant number of our students have set up successful start-up enterprises. Our placement record is at par with the leading engineering institutes in India. Inspite of the slow down experiences in the economy, our placements have not been affected; in fact, it grew every year in numbers and pay packets.

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

In the short span of 14 years, DA-IICT has become a name synonymous with quality education and research in ICT domain and we are committed to provide the leadership role through constant innovation in programs, curriculum, and pedagogy.

GANDHINAGAR

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

**CAMPUS**

The DA-IICT campus is thoughtfully planned and designed as an environmentally conscious campus in the country. The entire design was oriented towards preserving the environment. The full green coverage on the campus with trees, lawns and bushes bearing green leaves and exotic flowers surrounding the buildings and pathways instills environment consciousness among students and enrich their learning. The campus also has a herb garden with species of rare medicinal plants. The landscape was planned and developed in a manner that no rainwater is lost. The irrigation for campus garden and lawns is carried out with recycled water. The campus is a haven for bird-watchers, with a variety of species of birds being spotted.
DA-IICT offers one Undergraduate Program and five Postgraduate Programs including a doctoral program. Beginning the Academic Year 2013-14, DA-IICT launched a unique new undergraduate honours program in ICT with computational science as minor. This is the second distinction the DA-IICT achieved after designing and offering an undergraduate program in ICT for the first time in the country. The program is designed in consultation with the industry to ensure that their needs are met. DA-IICT also offers short term training programs, research seminars and workshops under the Continuing Education Program (CEP). All the teaching programs are designed to develop skills and intellect that is in tune with the contemporary ICT needs of the industry, government, public sector and academia. The details of the academic programs offered are given in the Table 1.

### Table 1: Academic Programs

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Programs</th>
<th>Commencement</th>
<th>Duration (Years)</th>
<th>Annual Intake*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BTech (ICT)</td>
<td>2001</td>
<td>4</td>
<td>240</td>
</tr>
<tr>
<td>2</td>
<td>BTech (Honours) in ICT with minor in Computational Science</td>
<td>2013</td>
<td>4</td>
<td>60</td>
</tr>
<tr>
<td>3</td>
<td>MTech (ICT)</td>
<td>2002</td>
<td>2</td>
<td>50</td>
</tr>
<tr>
<td>4</td>
<td>MSc (Information Technology)</td>
<td>2002</td>
<td>2</td>
<td>90</td>
</tr>
<tr>
<td>5</td>
<td>MSc (ICT in Agriculture and Rural Development)</td>
<td>2002</td>
<td>2</td>
<td>40</td>
</tr>
<tr>
<td>6</td>
<td>MDes (Communication Design)</td>
<td>2004</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>7</td>
<td>PhD</td>
<td>2002</td>
<td>3-5</td>
<td>10-20</td>
</tr>
</tbody>
</table>

*Exclusive of NRI/Foreign students.

**REVIEW OF CURRICULUM**

The curriculum review and revision of Undergraduate Program is carried out in five years and the Postgraduate Programs in three years. The Undergraduate and Postgraduate Committees advice the Board of Studies on curriculum review and the Board reviews and recommends appropriate update/revision of the curriculum. The curriculum review and revision of BTech (ICT) with Computational Science as minor, MSc (IT) and PhD programs have been carried out during 2013-14 and the review of other programs have been initiated.

**ADMISSIONS**

The notifications for admission to all teaching programs were released in leading regional and national newspapers in April, 2015. The admissions were also publicized using Institute’s web site, information brochure and the alumni network. The process of receiving online forms was open from 14 April 2015.

**Undergraduate Programs (BTech (ICT) and BTech (ICT) Honours with Computational Science as Minor)**

The intake for BTech (ICT) Program is 300. For admission purpose, the seats are divided into two categories equally; All India Category and Gujarat Category. The All India category seats are filled in by DA-IICT. The Gujarat category seats are filled in by the Admission Committee for Professional Courses (ACPC), Government of Gujarat following their procedure of admission.

For admission to the 150 seats of national category, the Institute received 5459 applications. They were filled in on the basis of the All India Rank of Joint Entrance Examination 2014 (JEE-2014) Main conducted by the Central Board of Secondary Education. The admissions to the remaining 150 seats were handled by ACPC. Thirty seats were offered to Non-Resident Indians, Foreign Nationals and Persons of Indian Origin and the admissions to these seats were done on the basis of the SAT/
JEE Main score. The Institute follows the guidelines for admission of reserved category students. The starting and closing JEE merit ranks of the students admitted under each category are given in Table 2.

<table>
<thead>
<tr>
<th>Rank</th>
<th>Category</th>
<th>BTech (ICT)</th>
<th>BTech (Honours) (CS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best Rank</td>
<td>All India (Gen)</td>
<td>4197</td>
<td>1783</td>
</tr>
<tr>
<td></td>
<td>Gujarat (Gen)</td>
<td>3087</td>
<td>849</td>
</tr>
<tr>
<td>Lowest Rank</td>
<td>All India (Gen)</td>
<td>15033</td>
<td>8746</td>
</tr>
<tr>
<td></td>
<td>Gujarat (Gen)</td>
<td>54892</td>
<td>15666</td>
</tr>
</tbody>
</table>

**Table 2: JEE Merit Ranks of Students**

Postgraduate Programs

**MTech (ICT):** During the reporting year, two new specializations were offered -- Algorithmics and Signal Processing. Possession of a valid Graduate Aptitude Test in Engineering (GATE) score in a discipline specific to the specialization, as mentioned below was one of the requirements for admission:

<table>
<thead>
<tr>
<th>Name of Specialization</th>
<th>GATE paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algorithmics</td>
<td>CS or MA</td>
</tr>
<tr>
<td>Communication Systems</td>
<td>EC</td>
</tr>
<tr>
<td>Computer Networks</td>
<td>CS or EC</td>
</tr>
<tr>
<td>Machine Intelligence</td>
<td>CS or EC</td>
</tr>
<tr>
<td>Signal Processing</td>
<td>EC or EE</td>
</tr>
<tr>
<td>VLSI and Embedded</td>
<td>EC or CS</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Specialization</th>
<th>Highest-Score</th>
<th>Lowest-Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL</td>
<td>649</td>
<td>542</td>
</tr>
<tr>
<td>COMS</td>
<td>623</td>
<td>519</td>
</tr>
<tr>
<td>CNS</td>
<td>576</td>
<td>479</td>
</tr>
<tr>
<td>MI</td>
<td>630</td>
<td>483</td>
</tr>
<tr>
<td>SP</td>
<td>559</td>
<td>500</td>
</tr>
<tr>
<td>VLSI SP</td>
<td>651</td>
<td>572</td>
</tr>
</tbody>
</table>

Sixty two students were admitted to the program including two naval officers sponsored by the Indian Navy.

**MSc (IT):** The selection to the program was by an online entrance test. Out of 421 applied, 151 candidates were shortlisted, based on their performance in the test. Ninety three candidates were granted confirmed admissions and 58 were placed in the wait list. Twenty two waitlisted candidates were offered admission on cancellation by the candidates in the confirmed list. Ninety four candidates have accepted the offer of admission and joined the program.

**MSc (ICT-ARD):** The selection to the program consisted of DA-IICT admission test or CAT/CMAT/XAT/MAT tests and personal interview. Out of 20 candidates shortlisted, 13 were offered admissions and 6 have joined the program.

**MDes (Communication Design):** The admission to the program was through an entrance test followed by personal interview. Twenty two applicants were called for entrance test/interview and 11 candidates were offered admissions. Ten have joined for the program.

**PhD:** The admission to the program was through DA-IICT entrance test/CPI obtained in MTech Degree awarded by DA-IICT/UGC-NET qualification or GATE score. Out of 86 applicants, 10 candidates were called directly for interview based on their UGC-NET qualification/GATE score/DA-IICT CPI. Thirty nine have reported for entrance test, 25 were shortlisted for interview and 9 were offered admission and all of them have joined the program. Table 3 shows the number of students admitted.

**Table 3: Admissions Details**

<table>
<thead>
<tr>
<th>Programs</th>
<th>Application Received</th>
<th>Admission Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTech (ICT)</td>
<td>425</td>
<td>62*</td>
</tr>
<tr>
<td>MSc (IT)</td>
<td>421</td>
<td>93</td>
</tr>
<tr>
<td>MSc (ICT-ARD)</td>
<td>32</td>
<td>14</td>
</tr>
<tr>
<td>MDes (CD)</td>
<td>22</td>
<td>11</td>
</tr>
<tr>
<td>PhD</td>
<td>86</td>
<td>09</td>
</tr>
</tbody>
</table>

*Including two Navy Officers.
ORIENTATION
The orientation program for all the students were conducted during 22 July to 31 July 2015. During the orientation, they were given detailed account of the curriculum, academic requirements and policies. 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. The students also met instructors of the first semester courses for briefings. One of the sessions during the orientation was held for parents. The orientation familiarized the students and parents with the course structure, evaluation system, grading, academic regulations and faculty, campus and infrastructure facilities.

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

Reliance Merit Scholarships
Reliance, as part of its Corporate Social Responsibilities (CSR), has instituted merit scholarships for students pursuing BTech (ICT) and MSc (ICT-ARD) Programs. The number of scholarship offered is 10 for BTech (ICT) and 5 for MSc (ICT-ARD) Programs. Awardees are selected on yearly basis. The scholarship is equal to the full tuition fee for the duration of award. Nine BTech and 2 MSc (ICT-ARD) students have received the Scholarship during the reporting year.

DA-IICT Merit Scholarships
The Merit Scholarships are awarded to the top five students admitted to the BTech program having an All India Rank not exceeding 5000 in the JEE Main Examination. During the academic year 2014-15, in autumn semester 11 and in winter semester 10 students were awarded the Merit Scholarships.

DA-IICT Merit-cum-Means Scholarships
The Merit-Cum-Means Scholarships are awarded to five students in each semester based on their academic performance and whose parent(s)/ guardian(s) annual income is up to Rs.2,50,000/-. Fifteen students have received the scholarship during the academic year 2014-15.

Assistantships
The Institute offers full-time and half-time teaching assistantships with monthly remuneration to PhD Scholars and MTech (ICT) students. The BTech (ICT) students are offered half-time teaching assistantships in their final year studies. Fifteen PhD Scholars, 46 MTech and 15 BTech students received assistantships during the academic year 2014-15.

TCS Research Fellowships
Tata Consultancy Services (TCS) has recognized DA-IICT as one of the Institutions to administer the TCS Research Scholar Program. This prestigious program provides attractive doctoral fellowships and contingency grant to full-time students pursuing PhD programs in broad areas of Computer Engineering, Computer Science, Information Systems, Information Technology and Software Engineering. Over and above fellowship, the Scholars are eligible to receive support for paper presentation in one International refereed conference, held outside India, and two National/International refereed conferences held in India, during the Scholar’s tenure. Ms. Gitam Shikkenawis, 2012-13 batch PhD Scholar is the recipient of the Fellowship.

TCS Students Award
DA-IICT is one of the institutions selected by TCS for the ‘TCS-100 Best’ high-ranking engineering institute student award scheme. The ‘TCS 100 Best’ is to enhance student’s attention towards academics through healthy competition. During the reporting year, Nagendra Chowdary, BTech 2011 batch student was conferred the award in 2015.
Chief Minister Scholarship Scheme, Government of Gujarat

The students of DA-IICT are encouraged to apply for the ‘Chief Minister Scholarship Scheme’ introduced by the Government of Gujarat in March 2014. The Scheme provides financial help to bright and needy undergraduate students whose parents income is up to Rs.4.5 lakh. The 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. Forty eight BTech students have received the scholarship during the year 2014-15.

THESES

Master’s Theses

The thesis work of the MTech (ICT) students starts from the summer semester after their second semester courses. They work comprehensively to generate interesting research outcome under the guidance of the faculty. The list of MTech theses completed during the year is given in the Annexure 2. Students of MSc (ICT-ARD) and MDes (CD) programs work full time on projects during their fourth semester at DA-IICT or at leading organizations. The list of projects completed by the students of 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 interaction as well as collaboration. The MoUs which are in force during the reporting period are as follows:

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

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

- **Space Application Centre, Indian Space Research Organisation**: To admit eligible Officers sponsored by the Space Application Centre for the PhD Programme of DA-IICT and collaborate on research and training.

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

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

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

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

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

- **Tata Consultancy Services:** To nominate suitable full time PhD candidates of DA-IICT for the TCS Research Scholar Program.

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

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

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

DA-IICT has also been receiving students from other institutions for research internships or project work regularly. The faculty members work as guides to them. The Institute also accepts students for long duration internships and traineeships.
CONTINUING EDUCATION PROGRAM

DA-IICT designs and offer continuing education programs to researchers, academicians and professionals in Industries, public and government organizations to upgrade 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 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.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Sponsor/Coordinator</th>
<th>Period</th>
<th>No. of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workshop on Logical Thinking</td>
<td>ACM</td>
<td>15 September 2014</td>
<td>18</td>
</tr>
<tr>
<td>Workshop on ‘Winter School on Speech and Audio Processing (WiSSAP) 2015: Production-Perception Based New Models of Speech Analysis’</td>
<td>TDIL/DeitY/DA-IICT</td>
<td>4-7 January 2015</td>
<td>62</td>
</tr>
<tr>
<td>Workshop on Technical Writing</td>
<td>ACM</td>
<td>16 February 2015</td>
<td>35</td>
</tr>
<tr>
<td>DA-IICT-TCS Joint Workshop Series</td>
<td>TCS</td>
<td>10 April 2015</td>
<td>26</td>
</tr>
<tr>
<td>Workshop on ‘Soft Skills’</td>
<td>Indian Air Force</td>
<td>29 June-3 July 2015</td>
<td>15</td>
</tr>
<tr>
<td>Training on MS OFFICE</td>
<td>Indian Air Force</td>
<td>5-10 July 2015</td>
<td>15</td>
</tr>
<tr>
<td>Workshop on Patent filing and Intellectual Property Right (IPR)</td>
<td>Technology Information Forecasting and Assessment Council (TIFAC), DST, Government of India</td>
<td>11 July 2015</td>
<td>35</td>
</tr>
<tr>
<td>DA-IICT - TCS Academia Industry Joint Research Seminar</td>
<td>TCS</td>
<td>17 July 2015</td>
<td>28</td>
</tr>
</tbody>
</table>
Placements and Internships

PLACEMENTS

DA-IICT has been one of the most preferred institutes by companies. A good number of students have been recruited with attractive packages by leading companies like Amazon, Bitmapper, Deloitte, Directi, FlipKart, Google, Hike, Linkedin, Morgan Stanley, Oracle and TCS. The 2014-15 placement season saw recruiters from various domains of industries offering job profiles like software development, R&D Engineer, Business Technology Analyst, Data Scientist, Site Reliability Engineer, ASIC Design Engineer, Business Intelligence Consultants and Graduate Engineer Trainees.

Other companies that visited DA-IICT for campus placements were Aspire Minds, E-Infochips, Evosys, Future First, Grit Innovations, Juniper Networks, Kuliza, MAQ Softwares, and MuSigma. Fifty two companies participated in campus placement during 2014-15.

The Students were offered project internships in premier research institutions such as Capillary, Amazon and Oracle. The placement process also benefited junior batches with many of them securing summer internships.

<table>
<thead>
<tr>
<th>Placement 2014-15</th>
<th>BTech</th>
<th>MTech</th>
<th>MScIT</th>
<th>MSc(IT)ARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students opting for campus placement (each batch)</td>
<td>209</td>
<td>45</td>
<td>89</td>
<td>9</td>
</tr>
<tr>
<td>Students opting out of campus placement (each batch)</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>214</td>
<td>45</td>
<td>89</td>
<td>9</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. 6.011 lakh. The highest salary package touched Rs. 26.00 lakh per annum.
Pool of Companies visited for placement

RURAL INTERNSHIP

Rural Internship is a mandatory requirement of BTech curriculum. The objective is to expose students to social and economic realities of rural lives; sensitize them to vulnerabilities the rural people face; and facilitate them to appreciate constraints and opportunities for development of rural India. Rural internship is of four weeks at the end of their Third Semester during December vacation. A three member Rural Internship Committee appointed by the Director is responsible for the Rural Internship.

The Btech 2013 Batch comprised of 276 students - 66 female and 210 male students. They were placed in 8 States with 32 Non-Governmental Organizations. The Rural Internship period was from December 01 to December 28. Details appear in Table 1.
Table 1: Gender and Organization-wise Student Distribution - 2014 Batch

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Non Governmental Organizations</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Godavari Mahasamakhya</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>Sri Gowthami Urban and Rural Integrated Development &amp; Educational Society</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>3</td>
<td>Ramakrishna Sarada Sevashram</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>Abhyan</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>Banaskantha District Cooperative Milk Producers’ Union Ltd</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>6</td>
<td>Shri Bolbala Trust</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>7</td>
<td>Cohesion Foundation</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>8</td>
<td>Dharlampur Utthan Vahini (DHRUVA)</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>9</td>
<td>DISHA Foundation</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>10</td>
<td>Gujarat Rural Institute for Socio-economic Reconstruction (GRISERV)</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>11</td>
<td>Garmin Vikas Trust (GVT)</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>12</td>
<td>Ishwar Gram Vikas Trust</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>13</td>
<td>Mehsana District Cooperative Milk Producers’ Union Ltd</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>14</td>
<td>Navjeevan Trust</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>15</td>
<td>Society for Integrated Land &amp; Water Management (SOFILWM)</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>16</td>
<td>Sristi</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>17</td>
<td>Tribhuvandas Foundation (TF)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>UNNATI Organization for Development Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UTTHAN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Valsad District Cooperative Milk. Producers’ Union Ltd</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Sutra</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>North Himalayan Environment Protection &amp; Education Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Savigya</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>24</td>
<td>Aajeevika Bureau</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Action for Food Production (APPRO)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Astha Sansthan</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>27</td>
<td>Foundation for Ecological Security (FES)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Garmin Vikas Trust (GVT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Jatan Sansthan</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>30</td>
<td>Himalayan Environmental Studies &amp; Conservation Organization (HESCO)</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>31</td>
<td>Himalayan Institution for Environment Ecology and Development (HIFEEED)</td>
<td>7</td>
<td>20</td>
</tr>
<tr>
<td>32</td>
<td>Peoples Science Institute (PSI)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>66</strong></td>
<td><strong>210</strong></td>
</tr>
</tbody>
</table>

As a part of evaluation of Rural Internship, students made group-wise poster presentations which were evaluated by faculty members.
### Number of students opting for Summer internships - 33 (off-campus through Placement section)

**Number of Organizations - 6**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the organization/Institution</th>
<th>No. of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Google-India</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Amazon India Pvt Ltd</td>
<td>10</td>
</tr>
<tr>
<td>3</td>
<td>Morgan Stanley Advantage Services Pvt Ltd</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>Goldman Sachs Pvt Ltd</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Kivi Technology</td>
<td>8</td>
</tr>
<tr>
<td>4</td>
<td>Maq Softwares</td>
<td>7</td>
</tr>
<tr>
<td>5</td>
<td>Tata Consultancy Services</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Interview Street</td>
<td>1</td>
</tr>
</tbody>
</table>

### Number of students opting for Industrial Internship - 163

**Number of Organizations - 28**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Organization</th>
<th>No. of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Amazon Development Centre</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>Active Star Consultancy</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>Morgan Stanley Advantage Services Pvt Ltd</td>
<td>6</td>
</tr>
<tr>
<td>4</td>
<td>Direct-i</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>Gujarat Informatics Limited</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Sprinklr Solutions Pvt Ltd</td>
<td>11</td>
</tr>
<tr>
<td>7</td>
<td>Kuliza</td>
<td>4</td>
</tr>
<tr>
<td>8</td>
<td>Thorogood associates Pvt Ltd</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Deloitte Consultancy</td>
<td>23</td>
</tr>
<tr>
<td>10</td>
<td>MAQ Softwares Pvt Ltd</td>
<td>7</td>
</tr>
<tr>
<td>11</td>
<td>Verse</td>
<td>8</td>
</tr>
<tr>
<td>12</td>
<td>Evolutionary systems Pvt Ltd</td>
<td>5</td>
</tr>
<tr>
<td>13</td>
<td>Infibeam (e-commerce)</td>
<td>2</td>
</tr>
<tr>
<td>14</td>
<td>Opshub Solutions Pvt Ltd</td>
<td>3</td>
</tr>
<tr>
<td>15</td>
<td>Infocusp</td>
<td>6</td>
</tr>
<tr>
<td>16</td>
<td>SABA</td>
<td>8</td>
</tr>
<tr>
<td>17</td>
<td>HIKE India ltd</td>
<td>2</td>
</tr>
<tr>
<td>19</td>
<td>Tata Consultancy Services</td>
<td>31</td>
</tr>
<tr>
<td>20</td>
<td>Infosys</td>
<td>26</td>
</tr>
<tr>
<td>21</td>
<td>Ishi systems Pvt Ltd</td>
<td>1</td>
</tr>
<tr>
<td>22</td>
<td>Grit Innovations Pvt Ltd</td>
<td>6</td>
</tr>
<tr>
<td>23</td>
<td>Juniper Networks Pvt Ltd</td>
<td>9</td>
</tr>
<tr>
<td>24</td>
<td>Cignex Datamatics Pvt Ltd</td>
<td>3</td>
</tr>
<tr>
<td>25</td>
<td>Kivi technologies Pvt Ltd</td>
<td>2</td>
</tr>
<tr>
<td>26</td>
<td>Barrix Agro sciences Pvt Ltd</td>
<td>2</td>
</tr>
<tr>
<td>27</td>
<td>AKRSP(I)</td>
<td>1</td>
</tr>
<tr>
<td>28</td>
<td>American Foundation</td>
<td>2</td>
</tr>
</tbody>
</table>
Eleventh Convocation

The eleventh Annual Convocation was held on 17th January, 2015. Professor Shankar K Pal, Distinguished Scientist, JC Bose National Fellow, INAE Chair Professor and former Director, Indian Statistical Institute, Kolkata graced the occasion as the Chief Guest. Shri Suresh Rangachar, Member, Board of Governors and President, Reliance Communications Limited, Mumbai presided over the function. Three hundred and sixty two students received their Degrees. This included 2 Doctoral Scholars, 44 MTech, 83 MSc (IT), 8 MSc (ICT-ARD), 6 MDes (CD) and 219 BTech (ICT) students.

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

- MTech (ICT) (2012) Trivedi Nirav Prashantkumar
- MSc (IT) (2012) Deodhar Prachi Milind
Dr Shankar Pal, dedicated his address to the contemporary topic of ‘Big Data: Challenges and National Relevance’ in the context of the present information revolution. He recalled his four decades of research experience and highlighted that this topic is a ‘must-know’ subject to any technologist, applied scientist or practitioner dealing with data. He pointed out that big data analysis or analytics has high potential from the research and development perspective in academia, industry and national planning and development. He stressed that the topic fits well in the frame work of ‘Digital India’ initiative and has a strong link with the objectives of ‘Make India’ Program which designed to transform India into a goal manufacturing hub. While concluding his address, he advised the graduates to work hard, define their goals, be honest to their profession, finish the work ahead of deadline and respect the teachers.
Research and Development
(Sponsored Projects and Entrepreneurship)

SPONSORED PROJECTS
Ever since it was founded, the Institute has had a vibrant research environment. This has brought dynamism to its all academic activities. The Institute has well established 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. Over the last decade, a large number of sponsored projects have been initiated by faculty. Many students have started their own companies. In the year 2014-15, the Institute received a grant for five new sponsored projects.

Table 1: New Projects

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>TITLE</th>
<th>DURATION</th>
<th>INVESTIGATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHM</td>
<td>Techno Feasibility Study on Automation of hydroponics and green house cultivation</td>
<td>2015 (6 MONTHS)</td>
<td>Ranendu Ghosh Rahul Dubey</td>
</tr>
<tr>
<td>NBHM</td>
<td>Knowledge Compilation in Modal and Multimodal Logic</td>
<td>2015 (2 Years)</td>
<td>Manoj Raut Rahul Muthu</td>
</tr>
<tr>
<td>GUJCOST</td>
<td>Processor RTL Customization and Development of Low Power Design Flow Methodology</td>
<td>2015 (2 Years)</td>
<td>Amit Bhatt Mazad Zaveri</td>
</tr>
<tr>
<td>GUJCOST</td>
<td>Enabling Technologies for Remote Health Monitoring</td>
<td>2015 (2 Years)</td>
<td>Biswajit Mishra Manik Lal Das</td>
</tr>
<tr>
<td>BRNS</td>
<td>Kinetic Modeling of Large size negative Ion Sources for Fusion Application using Emerging Parallel Processing Computer Architecture</td>
<td>2015 (3 Years)</td>
<td>Bhaskar Chaudhury Mukesh Tiwari</td>
</tr>
</tbody>
</table>

Faculty continued work on nine on-going sponsored projects.
Table 2: On-going Projects

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>TITLE</th>
<th>INVESTIGATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSTGOI</td>
<td>Development of Infant Cry Analyzer Using Source And System Features</td>
<td>Hemant Patil</td>
</tr>
<tr>
<td>DeitY</td>
<td>Development of Cross Lingual Information (CLIA) System Phase-II</td>
<td>Prasenjit Majumder</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Suman Mitra</td>
</tr>
<tr>
<td>DST</td>
<td>Indian Digital Heritage (IDH-Hampi) Phase-II (Digital Capture of</td>
<td>Manjunath Joshi</td>
</tr>
<tr>
<td></td>
<td>Culture &amp; Heritage)</td>
<td>Hemant Patil</td>
</tr>
<tr>
<td>National Innovation Foundation</td>
<td>Value Addition in Grassroots Technologies</td>
<td>Anil Roy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rahul Dubey</td>
</tr>
<tr>
<td>BRNS</td>
<td>Techniques for Robust Face Recognition with post variation</td>
<td>Suman Mitra</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mehul Raval</td>
</tr>
<tr>
<td>DeitY</td>
<td>Development of Text to Speech System in Indian Languages; High Quality</td>
<td>Hemant Patil</td>
</tr>
<tr>
<td></td>
<td>Text to Speech Synthesis and Small Footprint TTS Integrated with</td>
<td>M.V. Joshi</td>
</tr>
<tr>
<td></td>
<td>Disability Aids</td>
<td></td>
</tr>
<tr>
<td>DeitY</td>
<td>Speech based Access of Agricultural Commodity Prices and Weather</td>
<td>Hemant Patil</td>
</tr>
<tr>
<td></td>
<td>Information in 12 Indian Languages/ Dialects (Automatic Speech (ASR):</td>
<td>M.V. Joshi</td>
</tr>
<tr>
<td></td>
<td>Consortium Phase-II</td>
<td></td>
</tr>
<tr>
<td>SAC</td>
<td>Ultra Wide Band Dielectric Resonator Antenna</td>
<td>Deepak Ghodgaonkar</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sanjeev Gupta</td>
</tr>
<tr>
<td>NSF/TCPP</td>
<td>Fall-14 CDER Early Adopter</td>
<td>Bhaskar Chaudhury</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mukesh Tiwari</td>
</tr>
</tbody>
</table>

Faculty completed work on four sponsored projects. This includes 3 DST and 1 DeitY projects.

Table 3: Completed Projects

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>TITLE</th>
<th>INVESTIGATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DST</td>
<td>Wireless Telemedicine using Body Area Sensor Networks and Heterogeneous</td>
<td>Laxminarayana Pillutla</td>
</tr>
<tr>
<td></td>
<td>Access Networks</td>
<td></td>
</tr>
<tr>
<td>DST</td>
<td>Service–oriented Architecture for spatial Data Integration and</td>
<td>Sanjay Chaudhary</td>
</tr>
<tr>
<td></td>
<td>Spatial reasoning</td>
<td>Minal Bhise</td>
</tr>
<tr>
<td>DeitY</td>
<td>Development of Prosodically Guided Phonetic Engine for searching in</td>
<td>Hemant Patil</td>
</tr>
<tr>
<td></td>
<td>Indian Languages</td>
<td>M.V. Joshi</td>
</tr>
<tr>
<td>DST (WOS-A)</td>
<td>Evaluation of Spatiotemporal Dynamics of Land Surface Evapotranspiration</td>
<td>Indrani Choudhury Singh</td>
</tr>
<tr>
<td></td>
<td>and Monsoon Rainfall coupling over Indian Region for Climate Change</td>
<td>Ranendu Ghosh</td>
</tr>
<tr>
<td></td>
<td>Studies</td>
<td></td>
</tr>
</tbody>
</table>

INCUBATION CENTRE

A new student-led startup, Kamkaaj Solutions, was incubated. The company was given startup funding under the TIDE grant received from DeitY. The company has also been allocated office workspace with the incubator.

A patent and IPR awareness workshop was held on 11th July. It was jointly organized by DCEI and Technology Information Forecasting and Assessment Council (TIFAC), New Delhi. The workshop attracted participants including 24 faculty members and 26 research scholars from various Institutes and Universities within Gujarat. The workshop topics included patent and IPR management, and relationship between entrepreneurship, patents and IPR.

The Chief Guest of the workshop was Dr. Sunil Shukla, Director, EDI, Gandhinagar. Resource persons for the workshop were Executive Director of TIFAC, Head of PFA-TIFAC, Assistant Controller Patent Office, Corporate Head and Mentrepreneur from TCS and icreate (International Centre for Entrepreneurship and Technology).
SPECIAL LECTURES

Mr. K. Ananth Krishnan, Chief Technology Officer, TCS, ‘Special Lecture,’ 06 August 2014.


Prof. Indira Ghosh, School Computational and Integrative Sciences, Jawaharlal Nehru University, New Delhi, ‘In Search of Structure Based Pharmacophore Using Graph Based Method,’ 08 January 2015.


SEMINAR/WORKSHOPS

Workshop on Logical Thinking, DA-IICT, 15 September 2014.

Workshop on ‘Winter School on Speech and Audio Processing (WiSSAP) 2015: Production-Perception Based New Models of Speech Analysis,’ DA-IICT, 4-7 January 2015.

Workshop on Technical Writing, DA-IICT, 16 February 2015.


VISITORS

Library Staff and Network Administrator of Charotar University of Science and Technology, Changa, visited DA-IICT on 16 July 2015 and held discussions on Library Management System implemented at DAIICT.

Two hundred fifty NRI and foreign participants at the ‘Vibrant Gujarat Summit 2015’ under Youth PBD Program visited DA-IICT on 7 January 2015.
Faculty Publications

Publications reflect faculty and staff interests and their research initiatives. The publications have appeared primarily in peer-reviewed conferences and journals. Majority publications have student co-authors, indicating a strong faculty commitment to train and mentor both postgraduate and undergraduate students in research. In 2014-2015, the faculty published 1 book, 3 chapters in books and 113 papers in journals and conferences.

Books


Book Chapters


Journal Papers


Conference and Workshop Papers


12. A. Savaliya and Biswajit Mishra, “A 0.3V, 12nW, 4T/J/conv, Fully Digital Capacitive Sensor Interface in 0.18um CMOS,” in International Conference on VLSI Systems, Architecture, Technology and Applications (VLSI-SATA 2015), Bengaluru, 8-10 Jan. 2015, pp. 1-6. DOI: 10.1109/VLSI-SATA.2015.7050485


on Information and Communication Technology for Competitive Strategies, Udaipur, 14-16 Nov. 2014, article no. 25. DOI: 10.1145/2677855.2677880


32. Mohammadi Zaki, Nirmesh Shah and Hemant


68. Viral Patel, Manish Chaturvedi and Sanjay Srivastava, “Comparison of SUMO and SiMTram for Indian Traffic Scenario Representation,” in 11th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), Bombay, 10-12 Dec. 2014.


70. Sanket S. Patel, Sanjeev Gupta and Deepak Ghodgaonkar, “Ku-Band Novel Voltage Controlled Oscillator Microwave Integrated Circuit with Low Phase Noise,” in International Conference on Computational Intelligence and Communication Networks (CICN), Bhopal, 14-16 Nov. 2014, pp. 74-77. DOI: 10.1109/CICN.2014.28

71. Sanket S. Patel, Sanjeev Gupta and Deepak Ghodgaonkar, “Analysis of Nonlinear Effects on Operation of Low Noise Amplifier for Satellite Scatterometer,” in International Conference on Computational Intelligence and Communication Networks (CICN), Bhopal, 14-16 Nov. 2014, pp. 97-101. DOI: 10.1109/CICN.2014.33


74. Ravi Nagar, Suman K. Mitra, “Feature extraction based on stroke orientation estimation technique for handwritten numeral,” in Eighth International Conference on Advances in Pattern Recognition (ICAPR), Kolkata, 4-7 Jan. 2015. DOI:10.1109/ICAPR.2015.7050654

75. Twinkle Shah, Gitam Shikkenawis, Suman K. Mitra, “Epitome based transform domain image denoising,” in Eighth International Conference on Advances in Pattern Recognition (ICAPR), Kolkata, 4-7 Jan. 2015. DOI:10.1109/ICAPR.2015.7050652


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 are also associated with a number of professional organisations and delivered invited talks all over the country and abroad. Below is a listing of the major recognitions and activities of the faculty and staff of the Institute.

**HONORARY WORK/POSITIONS HELD ON PROFESSIONAL BODIES**

**Prof Nagaraj Ramrao**
Senior Member, IEEE
Chair, IEEE-CIS Gujarat Chapter
Life Member, Institution of Electronics & Telecommunication Engineers
Life Member, Indian Society for Technical Education
Life Member, Computer Society of India
Member, Association for Computing Machinery
Member, Academic Council, Ganpat University, Mehsana

**Prof Anil K Roy**
Chair, IEEE Gujarat Section
Member-at-Large, IEEE Sensors Council
Member, IEEE Global Strategy AdHoc Committee for 2015
Treasurer, IEEE India Council, 2015
Vice Chair, IEEE India Council Conferences, 2015
Member, Steering Committee, IEEE New Initiative on Internet of Things
Member, Academic Council, Marwadi College, Rajkot
Mentor, International Centre for Entrepreneurship and Technology (iCreate)
Member, Research Project Council, Gujarat Council on Science and Technology, DST, Government of Gujarat
Member, Cyber Security Cell, Raksha Shakti University, Ahmedabad

**Prof Anish Mathuria**
Member, DeitY Committee for “e-Authentication Standards”, Ministry of Communications and Information Technology, Government of India
Member, Project Review and Stearing Group, Government of India
Grant Reviewer, Swiss National Science Foundation, Bern, Switzerland

**Prof Bhaskar Chaudhury**
Member, IEEE
Member, Plasma Science Society of India

**Prof Deepak Ghodgaonkar**
Fellow, 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
Expert Professor, Review of Research Work of Doctoral Candidates & PG Students, 16 April 2015, Gujarat Technological University, Ahmedabad

**Prof Hemant A. Patil**
Member, International Speech Communication Association (ISCA)
Member, IEEE, USA
Member, IEEE Signal Processing Society, USA
Affiliate member, IEEE, Speech and Language Technical Committee (SLTC)
Member, IEEE Circuits and Systems Society, USA
Member, International Association for Engineers (IAENG)
Life member, System Society of India (SSI)
Member, Expert committee (Indian languages), Blizzard Challenge 2014 Workshop, Singapore 14-18 Sept. 2014.
Contributed five lecture modules in Text-to-Speech (TTS) Synthesis and three lecture modules in Speaker Recognition, UGC e-PG Pathshala Programme for e-Content Creation in Linguistics

**Prof Manik Lal Das**
Chair, IEEE Computer Society, Gujarat Chapter
Secretary, IEEE Gujarat Section
Member, IEEE Internships/Entrepreneurship Strategic Subcommitteee, IEEE Region 10
Prof Manish K Gupta
Examiner, PhD viva, Jaypee University of Information Technology, November 2014

Prof Manjunath V. Joshi
Expert resource person, Faculty induction programme, Nirma University 1 June 2015
PhD thesis evaluation, IIT Bombay
PhD thesis evaluation, IIT Roorkee
Expert Committee Member, National Board of Accreditation New-Delhi

Prof Prasenjit Majumder
Founding Chairman, ACM Professional Chapter, Gandhinagar

Prof Sanjay Srivastava
Senior Member, IEEE

Prof V. Sunitha
Member, Board of Studies (Mathematics), Pandit Deendayal Petroleum University, India

FELLOWSHIPS/VISITING SCHOLAR

Prof Alka Parikh
Fellowship, World Bank, Research on Food Security for a country in Central Asian Region, in collaboration with the Economists of Eurasian Centre for Food Security, Russia, May-June, 2015

Prof Prasenjit Majumder
University of Sheffield, 15-19 September 2014

Prof V. Sunitha
IMSc Associateship, Institute of Mathematical Sciences, India

JOURNAL EDITORSHIP

Prof Hemant A. Patil
Member Editorial Board, Engineering Letters, International Association of Engineers

Prof Rutu Parekh
Member Editorial Board, Journal of Electrical and Electronic Engineering, Science Publishing Group

Prof Sanjeev Gupta
Member Editorial Board, International Journal on Science and Technology
Member Editorial Board, International Journal of Engineering and Technology Management

Prof Srikrishnan Divakaran
Associate Editor, GSTF Journal on Computer Games and Multimedia, Global Science and Technology Forum, 2015

Prof Suman K Mitra

REVIEWING

Book/Book Chapter Reviewing

Prof Laxminarayana Pillutla
Reviewed the monograph: “Statistical Methods for Ranking Data” by M. Alvo and P. Yu, publisher: Springer. The review was published by Computing Reviews (Review #: CR143481 and publication date: May 29, 2015)
Reviewed the monograph: “Information and Control in Networks” edited by G. Como, B. Bernhardsson and A. Rantzer, publisher: Springer. The review was published by Computing Reviews (Review #: CR143202 and publication date: February 23, 2015)

Prof Manish K Gupta
“Linear Network Error Correction Coding” (Editor Pick Review), Guang X., Zhang Z., Springer, New York, NY, 2014. 107 pp. Type: Book (978-1-
493905-87-4). Review published on December 8, 2014


Prof Sanjeev Gupta
Review of the manuscript chapters, “Principles of Communication: Analog and Digital Systems with Lab Manual,” Cambridge University Press India, New Delhi

Journal Paper Reviewing

Prof Nagaraj Ramrao
Peer Reviewer, International Journal on Optimal Control, Applications and Methods, Wiley

Prof Anish Mathuria
International Journal of Applied Cryptography, Inderscience

Prof Bhaskar Chaudhury
IEEE Transactions on Plasma Science, IEEE Nuclear and Plasma Sciences Society
Journal of Applied Physics, American Institute of Physics
Physics of Plasmas, American Institute of Physics

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 Manik Lal Das
IEEE Transactions on Cloud Computing, IEEE
IEEE Transactions on Knowledge and Data Engineering, IEEE

Prof Manish K Gupta
Bioinformatics, Oxford University Press
Journal of Applied Mathematics and Computing, Springer

Applicable Algebra in Engineering, Communication and Computing, Springer
Discrete Mathematics, Elsevier
Designs Codes and Cryptography, Springer

Prof Minal Bhise
Knowledge and Information Systems KAIS, Springer

Prof Nabin Kumar Sahu
Acta Mathematica Sinica, Springer

Prof Prasenjit Majumder
Transactions on Asian Language Information Processing, ACM
Information Processing & Management, Elsevier

Prof Rutu Parekh

Prof Sanjay Srivastava
IEEE Transactions on Vehicular Technology, IEEE

Prof Sanjeev Gupta
Journal of Electromagnetic Waves and Applications, Taylor & Francis
Progress in Electromagnetic Research, Electromagnetics Academy, USA
International Journal of Applied Electromagnetics and Mechanics, IOS Press
IET Circuits, Devices and Systems, IEEE
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, Iran University of Science and Technology
International Journal on Science and Technology
ICTACT Journal of Communication Technology, ICT Academy of Tamil Nadu
ADIT Journal of Engineering, A. D. Patel Institute of Technology, Vallabh Vidyanagar
Prof Sourish Dasgupta
IEEE Transactions of Systems, Man & Cybernetics, IEEE

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

Conference-Paper Reviewing

Prof Amit Bhatt
International Conference on ‘VLSI Design,’ Bengaluru, 3-7 January 2015
Nineteenth International Symposium on ‘VLSI Design and Test,’ Ahmedabad, 26-29 June 2015

Prof Anil K Roy
IEEE Region 10 International Conference (TENCON 2014), 22-25 October 2014
Eleventh IEEE India Conference (INDICON-2014), Pune, 11-13 December 2014

Prof Anish Mathuria
Tenth International Conference on ‘Information System Security (ICISS),’ Hyderabad, 16-20 December 2014

Prof Asim Banerjee
National Conference on Communication (NCC), Bombay, 27 February to 1 March 2015.
Fifth IEEE International Advance Computing Conference, Bengaluru, 12-13 June 2015

Prof Manik Lal Das
International Conference on ‘Distributed Computing and Internet Technologies (ICDCIT),’ Bhubaneswar, India, 5-8 February, 2015

Prof Pokhar M Jat

Prof Prasenjit Majumder
Forum for Information Retrieval Evaluation (FIRE 2014), Bengaluru, 5-7 December 2014
Mining Intelligence and Knowledge Exploration (MIKE 2014), Cork, Ireland, 10-12 December 2014

Prof Puneet Bhatia
Nineteenth International Symposium on ‘VLSI Design and Test,’ Ahmedabad, 26-29 June 2015

Prof Rutu Parekh
Nineteenth International Symposium on ‘VLSI Design and Test,’ Ahmedabad, 26-29 June 2015

Prof Sanjay Srivastava
Seventh International Conference on ‘Communication Systems and Networks (COMSNETS 2015),’ Bengaluru, 6-10 January 2015
International Conference on Distributed Computing and Internet Technologies (ICDCIT2015), Bhubaneswar, 5-8 February 2015
Sixteenth International Conference on Distributed Computing and Networking (ICDCN 2015), Goa, 4-7 January 2015
Eleventh IEEE India Conference (INDICON-2014), Pune, 11-13 December 2014

Prof Sanjeev Gupta
International Conference on ‘Advances in Electronics,’ Computers and Communication (ICAECC-2014), Bengaluru, 10-11 October, 2014
IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE-2014), Johar Bahra, Malaysia, 8-10 December, 2014

Eleventh IEEE India Conference (INDICON-2014), Pune, 11-13 December 2014


Prof Sourish Dasgupta
Twenty Ninth AAAI Conference on ‘Artificial Intelligence,’ Austin, Texas, 25-30 January 2015
Forum for Information Retrieval Evaluation (FIRE 2014), Bengaluru, 5-7 December 2014

Prof V. Sunitha
First International Conference on ‘Algorithms and Discrete Applied Mathematics (CALDAM 2015),’ Kanpur, 8-10 February 2015
Nineteenth International Symposium on VLSI Design and Test, Ahmedabad, 26-29 June 2015

INVITED LECTURES/TALKS/COURSES

Prof Nagaraj Ramrao
Chief Guest, key note address, Workshop on Ethical Issues & Use of Anti-Plagiarism for Research Integrity, INFLIBNET Centre, Gandhinagar, 29 April 2015
Chief Guest, key note address, ISTE approved Faculty Development Programme on “Developing Excellence in Academic & Research Leadership, Nirma University, Ahmedabad, 14th May 2015

Prof Aditi Nath Sarkar
‘A Centre for Heritage Cinema Access and Retrieval: A Proposal for a Project to digitize and render accessible Indian Cinema Archives,’

Prof Aditya Tatu
‘An Active Contour Model for Texture Segmentation,’ IIT Mandi, 18 May 2015

Prof Alka Parikh
‘Qualitative and Quantitative Research Methodology, KSP Women’s Studies Centre, Pune University, 7-8 August, 2014

Prof Amit Bhatt

Prof Anil K Roy
‘Changing Meaning of Privacy in Current Cyberworld,’ National Workshop on Cyber Security, Bengaluru, 8-10 August 2014

Prof B N Hiremath
‘Impact of Climate Change on Small Farmers Livelihoods,’ National Seminar on Climate Change and Agrarian Economy: An Indian Perspective, University of Agricultural Sciences, Dharwad, 22-23 January, 2015

Prof Bharani Kollipara
‘Modernity, Democracy and the Public,’ IIT Gandhinagar, Gandhinagar, Gujarat, 9-11 February 2015

Prof Hemant A. Patil
‘Speech Signal Processing and Wavelet Signal Processing, STTP on Advances in Control, Automation, Signal and Image Processing’ Konkan Gyanpeeth College of Engineering, Raigad, Maharashtra, 22-26 June 2015


‘Speech Signal Processing,’ Parul Institute of Engineering and Technology, Limbda, 21 March 2015

‘Speech Signal Processing,’ ECE Department, Institute of Technology, Nirma University, Ahmedabad, 10 February 2015

‘Wavelet Signal Processing,’ short term training program under Centre of Excellence (COE) in Signal and Image Processing, SGGS Institute of Engineering and Technology, Nanded, 21 December, 2014

Prof Madhumita Mazumdar
‘Gender Sensitization for Tribal Welfare policy in the Andaman Islands,’ Andaman Nicobar Training and Research Institute, Port Blair, 20 March 2015

‘Bharat ki Chhaap: the First Story of Indian Science on Television,’ Department of History, University of Calcutta, 20 September 2014

Prof Manik Lal Das
‘Privacy and Security Challenges in Internet of Things,’ International Conference on Distributed Computing and Internet Technologies (ICDCIT-2015), Bhubaneswar, 5-8 February 2015


Prof Manish K Gupta
‘Why Incubation Center?’, IEEE India Entrepreneurship Development Program, GIFT City, Ahmedabad, 15 May 2015

‘Mathematical and Computational Opportunities in DNA Computing,’ NNMCB Symposium on Mathematical and Computational Biology, IIT Gandhinagar, Gandhinagar, 21-22 March 2015

‘How to store Elephants?’ Indo-US conference and workshop on synthetic and systems biology, Jawaharlal Nehru University, New Delhi, 9-12 November 2014


Prof Manjunath V. Joshi

Prof Pokhar M Jat
‘Opinion Mining,’ 4th National Conference on Computational and Mathematical Sciences (COMPUTATIA-IV), Vivekananda Institute of Technology, Jaipur, 25-16 November 2014

Prof Prasenjit Majumder
Course offered, ‘Operating systems’ Indian Institute of Information Technology, Vadodra, Autumn Semester 2014

Invited Talk, ‘Overview of FIRE 2014’ Indian Statistical Institute, Bengaluru, 5 December 2014

Invited Talk, ‘Natural Language Processing for IR’ University of Sheffield, 18th September 2014

Prof Rahul Muthu

‘Computational Complexity: Theory and Applications,’ Chandubhai S. Patel Institute of Technology, Changa, November 2014

‘Graph Searching Algorithms,’ GUJCOST Workshop on Recent Trends and Issues in Graph Theory, January 2015

‘Cartesian Product, Acyclic Edge Colouring & a New Chromatic Number,’ Indo-Taiwan Conference on Discrete Mathematics, IIT Madras, Chennai, 10-13 July 2015

Prof Sanjay Srivastava

‘An Overview of IoT Research,’ Workshop on Recent trends in Internet of Things (IoT), Charotar University of Science and Technology, Changa, 18 September 2015

Prof Sanjeev Gupta

‘Mixer Design,’ Workshop on ‘Microwave and RF Circuit Design,’ Institute of Technology, Nirma University, 31 August 2014


‘Solid State Devices,’ Charotar University of Science and Technology, Changa, 23 September 2014

‘Transceivers-I,’ EC Department, Charotar University of Science and Technology, Changa, 27 September 2014

‘Transceivers-II,’ EC Department, Charotar University of Science and Technology, Changa, Gujarat, 8 November 2014

‘Issues and Challenges in RF and Microwave Communication System Design,’ Workshop on Global Overview of Developments in Microwave & Millimetre Wave Communication as on Today, Ramrao Adik Institute of Technology, Nerul, 24 January 2015

‘Antenna Fundamentals: A Wireless Communication Perspective.’ Charotar University of Science and Technology, Changa, 10 February, 2015

Prof Shweta Garg

Course offered, ‘Communication Skills,’ IIIT Vadodara, Gandhinagar, Autumn Semester 2014

‘Effective Classroom Communication,’ Faculty Development Programme, Shankersinh Vaghela Bapu Institute of Technology, Gandhinagar, 23 June, 2015

‘Communication Skills,’ Management Development Programme, School of Petroleum Management, PDU, Gandhinagar, July 2015

Prof Sourish Dasgupta

Course offered, Shiv Nadar University, Dept. of Computer Science & Engineering, September-November 2014

Prof Srikrishnan Divakaran


CONFERENCE/WORKSHOP SESSION CHAIR (CONFERENCES/WORKSHOP PARTICIPATION)

Prof Aditi Nath Sarkar

Forum for Information Retrieval Evaluation (FIRE 2014), Indian Statistical Institute, Bengaluru. 4-6 December 2014

Prof Aditya Tatu

Tenth International Conference on ‘Energy Minimization Methods in Computer Vision and Pattern Recognition,’ Hong Kong University of Science and Technology, Hong Kong, 13-16 January 2015
Prof Alka Parikh
Second International Conference on ‘Arid Land Studies (ICAL 2) on Food Security & Innovations in Arid & Semi-arid Agro-ecosystems,’ Samarkand State University, Uzbekistan, 9-13 September 2014

Prof Anil K Roy
IEEE Region 10 International Conference (TENCON 2014), 22-25 October 2014
Eleventh IEEE India Conference (INDICON-2014), Pune, 11-13 December 2014
Second National Workshop on ‘Cyber Security,’ Bengaluru, 8-10 August 2014
National Seminar on ‘Computer Vision and Image Processing,’ Sarvajanik College of Engineering and Technology, Surat, 19-20 September 2014
IEEE All India Student Congress (AISC 2014), Nirma University, Ahmedabad, 6-8 October 2014

Prof Hemant A. Patil
Second International Conference on ‘Perception and Machine Intelligence (PerMin-15),’ Centre for Development of Advanced Computing, Kolkata, 26-27 February 2015
Winter School on ‘Speech and Audio Processing (WiSSAP-2015),’ DA-IICT Gandhinagar, 4-7 January 2015
Workshop on ‘Image and Speech Processing (WISP),’ IIIT Hyderabad, Hyderabad, 13 December 2014

Prof Laxminarayana Pillutla

Prof Manik Lal Das
International Conference on ‘Distributed Computing and Internet Technologies,’ Bhubaneswar, 5-8 February 2015
National Conference on ‘Innovative and Emerging Technologies,’ Gujarat Technological University, Ahmedabad, 17-18 April, 2015

Prof Manish K Gupta
IEEE India Entrepreneurship Development Program, GIFT City, Ahmedabad, 15 May, 2015
NNMCC Symposium on Mathematical and Computational Biology, IIT Gandhinagar, Gandhinagar, 21-22 March 2015
Indo-US Conference and Workshop on ‘Synthetic and Systems Biology,’ Jawaharlal Nehru University, New Delhi, 9-12 November 2014
TIIFAC Patent and IPR Awareness Workshop, DA-IICT, Gandhinagar, 11 July 2015

Prof Minal Bhise
IEEE Region 10 International Conference (TENCON 2014), 22-25 October 2014

Prof Nabin Kumar Sahu
International Conference on ‘Recent Trends in Mathematical Analysis and Its Applications,’ IIT Roorkee, Roorkee, 21-23 December 2014

Prof Prasenjit Majumder
Forum for Information Retrieval Evaluation (FIRE 2014), Indian Statistical Institute, Bengaluru, 4-6 December 2014
Conference and Labs of the Evaluation Forum (CLEF 2014), Sheffield, UK, 15-18 September 2014

Prof Puneet Bhateja
Ninteenth International Symposium on ‘VLSI Design and Test,’ Ahmedabad, 26-29 Jun 2015

Prof Rahul Muthu
Fourth India-Taiwan Conference on ‘Discrete Mathematics,’ 10-13 July 2015

Prof Rutu Parekh
TEQIP Workshop on ‘MEMS and NEMS (Design and Fabrication),’ IIT Hyderabad, Hyderabad, 15-19 December, 2014

Prof Sanjeev Gupta
Workshop on ‘Microwave and RF Circuit Design,’ Institute of Technology, Nirma University, Ahmedabad, 31 August 2014
Workshop on ‘Mobile Computing and Wireless Technologies,’ Gujarat Technological University, Ahmedabad, 18 October 2014
Workshop on ‘Good Governance, Leadership and Management,’ National Project Implementation
Unit (NPIU)/TEQUIP-II/World Bank, New Delhi, 12-13 October 2014
Workshop on ‘Draft Policy for Promoting Innovation based Entrepreneurship by Students,’ Youth and other Individuals, Indian Institute of Management, Ahmedabad, 16 December 2014
Gold Book Release Ceremony, JB Auditorium, Ahmedabad, 29 April 2015

Prof Shweta Garg

Prof Sourish Dasgupta

Prof V. Sunitha
Workshop on ‘Recent Trends and Issues in Graph Theory,’ Charotar University of Science and Technolog, Changa, January 2015
Short Term Training Program on ‘Computer Algorithms and Applications,’ Birla Vishvakarma Mahavidyalaya, Anand, December 2014
Workshop on ‘Computational Complexity: Theory and Applications,’ Charotar University of Science and Technolog, Changa, November 2014

CONFERENCE PROGRAM COMMITTEE

Prof Amit Bhatt
Twentieth International Conference on ‘VLSI Design,’ IIIT Bangalore, Bengaluru, 3-7 January 2015
Nineteenth International Symposium on ‘VLSI Design and Test,’ Ahmedabad, 26-29 Jun 2015

Prof Anil K Roy
Technical Program Committee Member, IEEE Region 10 International Conference (TENCON 2014), 22-25 October 2014
Technical Program Committee Member, 11th IEEE India Conference (INDICON-2014), Pune, 11-13 December 2014

Prof Anish Mathuria
Program Committee Member, 10th International Conference on ‘Information System Security,’ Institute for Development and Research in Banking Technology, Hyderabad, 16-20 December 2014

Prof Biswajit Mishra
Technical Program Committee Member, 19th International Symposium on VLSI Design and Test (VDAT), Nirma University, Ahmedabad, 26-29 Jun. 2015

Prof Deepak Ghodgaonkar

Prof Manik Lal Das
International Conference on ‘Distributed Computing and Internet Technologies (ICDCIT),’ Bhubaneswar, India, February 5-8, 2015
International Conference on ‘Mathematics and Computing (ICMC 2015),’ Haldia, India, January 05-10, 2015
International Conference on ‘Contemporary Computing,’ Noida, India, August 7-9, 2014

Prof Manish K Gupta
Coordinator, Organizing Committee, TIFAC Patent and IPR Awareness Workshop, DA-IICT, 11 July 2015
Program Committee Member, Seventh ACM Compute conference, Nagpur, 16-18 October 2014

Prof Manjunath V. Joshi
Served as a Program Committee member for ACCCV2014
Served as a Program Co-Chair for the 3rd ACCV Workshop on E-Heritage, 2014

Prof Pokhar M Jat
National Advisory Committee, 4th National Conference on ‘Computational and Mathematical
Sciences (COMPUTATION IV), Vivekananda Institute of Technology, Jaipur
National Advisory Committee, International Conference on ‘Information and Communication Technology for Competitive Strategies (ICTCS-2014),’ Sunrise Group of Institutions, Udaipur
National Advisory Committee, National Conference on ‘Advancement in Engineering and Technology,’ Vision: 2025, Pacific University, Udaipur
National Advisory Committee, National Seminar and Workshop on ‘Advances in Open Source Mobile Technologies,’ SITG, Himmatnagar

Prof Prasenjit Majumder
ACM SIGIR [tire I conference in IR]

Prof Puneet Bhateja
VLSI Design & Test Symposium

Prof Rutu Parekh
Member of Program Committee, VDAT-2015 (19th International Symposium on VLSI Design and Test), held at Nirma University, Ahmedabad, June 2015

Prof Sanjay Srivastava
TENSYMP 2015

Prof Sanjeev Gupta
Technical Program Committee Member of IEEE Asia-Pacific Conference on ‘Applied Electromagnetics (APACE-2014),’ Johar Bahra, Malaysia on December 8-10, 2014


Technical Programme Committee Member of Two-Day International Workshop on ‘Signal Processing and Integrated Networks (SPIN-2015),’ Amity School of Engineering and Technology (ASET), Amity University, Noida, February 19-20, 2015


Prof Sourish Dasgupta
FIRE 2015, DA-ICT

Prof Suman K Mitra
Program Committee member of the fifth International Conference on ‘Pattern Recognition and Machine Intelligence (PRMI’15),’ Warsaw University of Technology, Warsaw, in June 2015
Finance Chair of the Second TENSYMP, Ahmedabad, in June, 2015

Prof V. Sunitha
VDAT 2015

SPONSORED RESEARCH PROJECTS

Prof Amit Bhatt
Qualcomm HPC Project

Prof Anil K Roy
Value Addition in the Grassroot Technologies
Blind Person Navigation System
Text to Speech Conversion System
Object Locator

Prof Bhaskar Chaudhury
Principal Investigator, GPU teaching center at DA-IICT, Gandhinagar, sponsored by nVIDIA Corporation, USA

Prof Biswajit Mishra
Enabling Technologies for Remote Health Monitoring, funded by Gujarat Council on Science and Technology, DST, Government of Gujarat

Prof Deepak Ghodgaonkar
Principal Investigator, Ultra Wide Band Dielectric Resonator Antennas, funded by Space Application Centre, ISRO, Ahmedabad (RESPOND Programme), (1 January 2015 to 31 December 2016)

Prof Hemant A. Patil
Principal Investigator, Development of Text to Speech Synthesis (TTS) System in Indian Languages: High Quality Text to Speech Synthesis and Small Footprint TTS Integrated with Disability Aids, funded by Department of Electronics and Information Technology (DeiTy), Ministry of Communications & Information Technology, Government of India
Principal Investigator, Development of Prosodically Guided Phonetic Engine for Searching Speech Databases in Indian Languages, funded by Department of Electronics and Information Technology (DeitY), Ministry of Communications & Information Technology, Government of India

Development of Infant Cry Analyzer using Source and System Features, funded by Department of Science and Technology (DST), Government of India

Speech-Based Access of Agricultural Commodity Prices and Weather Information in 11 Indian Languages/Dialects, funded by Department of Electronics and Information Technology(DeitY), Ministry of Communications & Information Technology, Government of India

Co-investigator, India Digital Heritage (IDH) – A DST Initiative, funded by Department of Science and Technology (DST), New Delhi, India

**Prof Laxminarayana Pillutla**
Wireless Telemedicine using Body Area Sensor Networks and Heterogeneous Access Networks, funded by DST-SERC under the FAST track scheme for young scientists

**Prof Manik Lal Das**
Co-Principal Investigator, Enabling Technologies for Remote Health Monitoring, funded by Gujarat Council on Science and Technology, Government of Gujarat

**Prof Minal Bhise**
Principal Investigator, Service-Oriented Architecture for Spatial Data Integration and Spatial Reasoning, funded by Department of Science and Technology, Government of India, The Natural Resources Data Management Systems (NRDMS) and National Spatial Data Infrastructure (NSDI)

**Prof Prasenjit Majumder**
Cross Lingual Information Access, funded by Deity, Government of India

**Prof Sanjeev Gupta**
Ultra Wideband Dielectric Resonator Antenna, sponsored by SAC-ISRO, Department of Space, Government of India

**Prof Suman K Mitra**
Techniques for Robust Face Recognition with Pose Variation, sponsored by Board of Research in Nuclear Science, Department of Atomic Energy, Government of India

Development of Cross Lingual Access System-Phase II, sponsored by Department of Information Technology, Government of India

**HONORARY WORK**

**Prof Nagaraj Ramrao**
Member, Draft Policy of Science and Technology of Gujarat, GUJCOST (Under DST, GoG)

Member, Selection Committee, Gujarat University

Member, Expert Committee, for selection of Dr. Vikram A. Sarabhai Award

External Expert, Selection of Director for Institute of Technology, Nirma University

Member, Board of Directors, Gujarat Informatics Limited.

Member, Board of Directors, Electronics and Quality Development Centre, Gandhinagar

Member, New Education Policy, Government of Gujarat

Chief Guest, Award function of Royal Technosoft Private Limited., Ahmedabad

Member, Academic Council, Ganpat University, Mehsana

**Prof Aditi Nath Sarkar**
Member, Governing Council, Satyajit Ray Film & Television Institute (SRFTI), Kolkata

**Prof Asim Banerjee**
Member, Jury for the Diploma Projects of PG students at National Institute of Design (NID) Gandhinagar and Ahmedabad

Member, Board of Studies of Nirma University

Member of Faculty of Engineering of Nirma University

Member of Board of Studies of UV Patel College of Engineering, Ganpat University

Member of Faculty of Engineering – Computer
Member of RPS committee for three PhD Students of Computer Science and Engineering Department of SVNIT, Surat

Member of RPS Committee for one PhD Student of Electronics and Communication Engineering Department of SVNIT, Surat

Examiner for a PhD student of Electronics & Communication Engineering Department of SVNIT, Surat

Supervisor of one doctoral student of Ganpat University, in the area of Bio-medical Engineering

External Expert Member for selection of faculty, Gujarat Technological University (GTU), Ahmedabad

Subject Expert for faculty selection at Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat

Doctoral Progress Review Committee (DOC) Member for PhD students of Gujarat Technological University (GTU), Ahmedabad

Expert Member of Research Progress Committee (RPC), Faculty of Doctoral Studies and Research, Nirma University, Ahmedabad.

PhD Reviewer at Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat

Reviewer of ME Dissertations, Gujarat Technological University (GTU), Ahmedabad.

Subject Expert to review the academic performance of ME in Wireless and Mobile Computing of Gujarat Technological University (GTU)


PhD Thesis Examiner at Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat

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

Expert Member of Committee for Technology Evaluation of 220 GHz Vector Network Analyzer, Institute of Plasma Research, Dept. of Atomic Energy, Government of India, Ahmedabad

Member of Board of Governors (BOG) of Gujarat Technological University, Ahmedabad

Member of Board of Governors (BOG) of Medanta The Medicity, Gurgaon

Editorial Board Member of International Journal on Advanced Communication Technology, (IJSAT), ISSN: 2229-7677

Editorial Board Member of International Journal on Engineering and Technology Management, bi-monthly on-line journal published in Iran
VISIT TO INSTITUTES/ INDUSTRIES

Prof Nagaraj Ramrao
March 10 - Visit to INS Valsura, Jamnagar for exploring avenues for mutual cooperation in academics as well as research through an MoU.
July 14 - Visit to SAC-ISRO for a discussion with the Director for exploring avenues for mutual cooperation in academics as well as research through an MoU.

Prof Amit Bhat
Cadence, Qualcomm, Intel.

Prof Hemant A. Patil
Visited Gujarat Technological University (GTU), Chandkheda (Ahmedabad) as Expert Professor to review the work of PG and doctoral students during 4-8 July 2015.
Attended first PI meeting on 14 December 2014 at IIIT Hyderabad for DeitY sponsored ASR Phase-II consortium project.
Attended second PI meeting on 14 February 2015 at C-DAC Kolkata for DeitY sponsored ASR Phase-II consortium project.
Attended third PI meeting on 16 May 2015 at IIT Madras for DeitY sponsored ASR Phase-II consortium project.
Attended ASR workshop on introduction to KALDI Toolkit during 14-17 December 2014, IIIT Hyderabad for DeitY sponsored ASR Phase-II consortium project.
Attended ASR workshop during 15-17 May 2015 at IIT Madras for DeitY sponsored ASR Phase-II consortium project.
Attended PRSG meeting on 3 July 2015 to report the progress of DeitY sponsored ASR Phase-II consortium project.
Visited IIIT Vadodara as visiting faculty during Autumn 2015 to teach a B.Tech. Sem III core course on System and Signal Theory.
Visited IIITRAM, Ahmedabad as visiting faculty during Autumn 2015 to teach a B.Tech. Sem III core course on Signals and Systems.

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

Prof Minal Bhise
Research Progress Committee Subject Expert Member at Nirma University, Ahmedabad.

Prof Sanjeev Gupta
Doctoral Progress Committee (DPC) Member – Subject Expert for evaluation of PhD Students, Gujarat Technological University (GTU), Ahmedabad, 2 August 2014 and 29 November 2014 and 18 March 2015.
Meeting of Board of Governors (BOG) of Government Engineering College (GEC), Gandhinagar, 21 August 2014 and 30 January 2015 and 6 June 2015.
Tenth Board of Studies (BOS) Meeting at EC Department of Electronics and Communication Engineering, Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat, 30 August 2014.
Meeting with Dr. Anup Singh, Director General, Nirma University, Ahmedabad, on introduction of new programs, 9 September 2014.
Meeting of Board of Governors (BOG) of Government Engineering College (GEC), Gandhinagar with TEQIP Performance Audit (carried out by Prof. YV Joshi), 17 October 2014.
Expert Member of Research Progress Committee, Faculty of Doctoral Studies and Research, Nirma University, Ahmedabad, 18 November 2014 and July 4, 2015.
Tenth Faculty Board Meeting, Faculty of Technology and Engineering, Charotar University of Science and Technology, Changa, Gujarat, 22 November 2014.
Board of Studies (BOS) Meeting for SATCOM Course at Centre for Space Science and Technology Education in Asia and the Pacific (affiliated to United Nations), SAC-ISRO, 5 December 2014.

Reviewer of ME Dissertations, Charotar University of Science and Technology, Changa, Gujarat, 26 December 2014 and 15 May 2015.

Financial Assistance Committee Meeting at Institute of Technology, Nirma University, Ahmedabad, 8 December 2014.

External Expert of SAC Interview Committee (Scientist-SC to Scientist-SD), Space Applications Centre, Department of Space, Goverment of India, Ahmedabad, 9 December 2014 and 15 June 2015.

External Expert of the Selection Committee for grant of higher academic grade pay to faculty under Career Advancement Scheme, Department of Electronics and Communication Engineering, Institute of Technology, Nirma University, Ahmedabad, 23 December 2014 and 24 March 2015.

External Examiner for ME Dissertations, Gujarat Technological University, Ahmedabad, 26 December 2014 and 7 July 2015.

Meeting to appoint joint guide of a PhD candidate of EC Department, Institute of Technology, Nirma University, Ahmedabad, 21 January 2015.

Subject Expert for selection of faculty (Professors and Associate Professors) at Institute of Technology, Nirma University, Ahmedabad, 5 February 2015.

Research Progres Seminar (RPS) of PhD candidate, Charotar University of Science and Technology, Changa, Gujarat, 10 February 2015.

PhD Thesis External Examiner, Charotar University of Science and Technology, Changa, Gujarat, 6 April 2015.

Second Advisory Board Meeting, Charotar University of Science and Technology, Changa, Gujarat, 14 April 2015.

Faculty Selection Committee Member, IIIT Vadodara, 17-18 April 2015.

Selection Committee Member for selection of faculty (Assistant Professors), Charotar University of Science and Technology, Changa, Gujarat, 9 May 2015.

Board of Studies (BOS) Meeting, LDRP Institute of Technology and Reasearch, Kadi Sarva Vishwavidyalaya, Gandhinagar, 13 May 2015.

Meeting with Director, Space Application Centre (SAC), ISRO (Department of Space, Government of India) for MoU between DA-IICT and SAC on 18 May 2015.

Faculty Selection Committee Member, Babaria Institute of Technology, Vadodara, 20 May 2015.

Subject Expert for promotion of faculty (Assistant to and Associate Professors) at Institute of Technology, Nirma University, Ahmedabad, 9 June 2015.

Meeting with Senior Scientists, Space Application Centre (SAC), ISRO (Department of Space, Government of India) on 16 July 2015 for discussion on CEP Programmes to be offered by DA-IICT to SAC personnel.

Prof V. Sunitha
Institute of Mathematical Sciences, India, May-June 2015.

ANY OTHER SIGNIFICANT CONTRIBUTIONS

Prof Nagaraj Ramrao
In-charge Director, IIIT Vadodara.

Member, Appellate Committee, Centre of Excellence, Gujarat.

Prof Aditi Nath Sarkar
Submitted upon request, a proposal for 'A Centre for Heritage Cinema Access and Retrieval: A Proposal for a Project to digitize and render accessible Indian Cinema Archives' (written with inputs from Holden Aust, San Francisco, USA,
& Prasenjit Majumder, DA-IICT Gandhinagar), to Ministry of Information and Broadcasting, Government of India, New Delhi and National Film Archive of India, Pune, during May-June 2015.

Prof Asim Banerjee
Convenor of the Postgraduate Committee (PGC).
Warden, Boys Halls of Residence.

Prof Deepak Ghodgaonkar
MTech Program - Communication Systems Specialization Coordinator.

Prof Hemant A. Patil
Developed a state-of-the-art speech signal processing laboratory of international standard at DA-IICT Gandhinagar. The lab is fully air-conditioned and equipped with high performance computing servers, personal computers, good quality microphones, Bose speakers, storage drives, printer, scanner, web cam, etc. In addition, the lab is equipped with very popular and costly LDC Speech Corpora.

Contribution to manpower training and resource building: With the support from sponsored projects and DA-IICT Gandhinagar, we trained about 7 PhD scholars, 27 Masters students and 10 B.Tech students, 5 consultants, 1 data entry operator and 1 visually challenged person.

Link Speech Lab at DA-IICT to ISCA Speech Labs (across the world) website. In addition, this
is first Speech Lab from India which is linked to ISCA Speech Labs (across the world).

Principal Investigator (PI) and Co-PI for five centrally Government funded sponsored projects.

Coordination to develop DST FIST Proposal (which is under progress).


Working as the coordinator for M.Tech. (ICT) with specialization in Signal Processing.

Chair for Organizing Committee, Winter School on Speech and Audio Processing (WiSSAP) 4-7 January 2015.

Chair of the Organizing Committee, Summer School on Speech Source Modeling and Its Applications, 4-8 July 2016.

Prof Naresh Jotwani
Collaborated actively in the design and development of the advanced Solar PV Inverter for agricultural water-pumping, produced by the Ahmedabad-based startup Kisan Solar. The system provides for centralized remote monitoring of the inverter/pump, and is at present undergoing extensive field trials in Rajasthan.

Prof Pokhar M Jat
External Expert, Selection committee for Vice President (Management Services Division) at GSFC, Vadodara, 2015.

Member, e-Urja up-gradation committee, GUVNL, Vadodara, 2014.

External Expert, Selection committee for GM(IT) at GUVNL, Vadodara, 2014.

Prof Sourish Dasgupta
Co-founded the first faculty-led start-up at DA-IICT in 2015.

Ranked among top 100 US start-ups in 2015 (out of 600+ start-ups) in the prestigious Techweek Launch KC competition.

Prof Srikrishnan Divakaran
Supervised and mentored around 25 students towards (i) Summer Research Internship, (ii) ACM Competitions.

Faculty and Staff Updates

FACULTY
The faculty consisted of 56 regular faculty members besides 18 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 2014-15:
1. Nagaraj Ramrao joined as Director & Professor on 19 January 2015.
2. Gagan Garg Joined as Assistant Professor on 1 August 2014.
3. Shweta Garg Joined as Assistant Professor on 1 September 2014.
4. Ganesh Bagler joined as Assistant Professor on 17 July 2015.
5. Purushothaman A joined as Assistant Professor on 22 July 2015.

Faculty Retirement
1. S C Sahasrabudhe, Director & Professor on 20 January 2015.
2. Samaresh Chatterji, Professor, on 28 January 2015.
4. Ganesh Devy, Professor on 31 January 2015.
5. Radha Parikh, Associate Professor on 30 June 2015.

Faculty Resignations
1. Srinivasa Rao Zinka, Assistant Professor on 24 November 2014.
2. Mazad Zaveri, Assistant Professor on 28 November 2014.
3. Vijay Kumar Chakka, Associate Professor on 5 January 2015.
5. Gaurav Mishra, Assistant Professor on 31 May 2015.
6. Maitrayee Mukerji, Assistant Professor on 30 June 2015.

STAFF

New Staff
During the reporting period, five staff members have joined the Institute: A list of staff is given in Annexure 4.
1. Virendrakumar Sathwara, Library Trainee on 1 September 2014.
2. Vipul Banker, Library Trainee on 1 October 2014.
3. Vibha Prajapati, Secretary F B No 4 on 9 July 2015.

Staff Resignations
2. Dinesh S Prajapati, Senior Programmer on 28 February 2015.
3. Trinayan Borgohain, Library Trainee on 31 March 2015.
4. Anjali Kulshrestha, Placement and CEP Officer on 30 April 2015.
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 a diversity of international and national level competitions, and won several prizes, or made it to the finalist teams, and made the name of DA-IICT more prominent among the top engineering institutions in the country.

Synapse-2015

Synapse, the Annual Techno-Cultural Festival of DA-IICT, was organized from February 26, 2015 to March 1, 2015. The events at Synapse were designed to inspire solutions in which technology, culture, humanitarianism, and viability symbiotically coexist. With systematic and generous support from the corporate community and overwhelming participation of students from all over India, it can definitely be said that the festival was successful as the spirit of co-operation, involvement, publicity, sponsorship, innovation, creativity, fusion, rhythm, aesthetics, fun and frolic, drama, fashion – were all at their peak during Synapse-2015. The plethora of technical and cultural events that Synapse-2015 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, the Annual Inter-College Sports Festival of DA-IICT was held during November 5–9, 2014 at DA-IICT. Shri Salim Durani (ex-Cricketer of the Indian Cricket Team) was the Chief Guest at the Opening Ceremony while Col. Anuj Shrivastava (CO.2 Gujarat NCC, Gandhinagar) was the Chief Guest at the Closing Ceremony of Concours 2014. This event saw a participation by about 1500 students (including 190 girl students) from 35 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 8X Cricket Tournament (Fun with Game) was organized in February 2015.

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 celebrated. The Cultural Committee along with the Sambhav Committee visited the blind people at the BPA (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 Gandhi that they had read in their school history textbooks. ‘Garba Night’ was organized on September 29, 2014.

To enrich the students with various hobbies such as theatre, dance, instrumental and vocal music, art etc., workshops were conducted to nurture budding talent. ‘Friday Night Live,’ an initiative of the Music Club in DA-IICT was introduced to encourage the students and to showcase their talent.
‘Maniere - the night of fashion’ was and remains the most anticipated event; it was organized on September 19, 2014. The theme of Maniere 2014 was ‘Once Upon a Time.’ Students are given an opportunity to bring forth their creative and aesthetic skills when they were asked to design costumes on the basis of a particular theme.

The musical talent of the students of the Institute was put on display during the much awaited musical night ‘Raaga,’ which was organized on February 18, 2015. The musicians proved their metal when many prizes were won in the categories of Indian Solo, Indian Group, Duet, Western Solo and Western Group. Poetry night ‘Rhyme’ was also organized on same day. 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.

Rashtriya Ekta Diwas (National Unity Day) was celebrated on October 31, 2014 (Birth Anniversary of Sardar Vallabhati Patel). As part of the celebrations, the Rashtriya Ekta Diwas Pledge was administered to the students, staff and faculty of DA-IICT. Run for Unity (within campus), and a debate competition were also organized.

On Martyrs’ Day – January 30, 2015, a drawing competition was conducted on the topic ‘Mahatma Gandhi aur Safai.’ The students and staff of DA-IICT also took a pledge for cleanliness. A two-minute silence was observed in the memory of the martyrs.

DA-IICT conducted a Yoga Session on Raja Yoga based Meditation and Relaxation as part of the International Yoga Day Celebrations on June 21, 2015. The session was conducted by Dr. Bhadresh Rami, Regional Program Coordinator, Shri Ram Chandra Mission (www.srcm.org).

DA-IICT hosted a group of 250 youth (NRIs, PIOs, Foreigners) on Youth Pravasi Divas – January 7, 2015. A cultural program by various student clubs of DA-IICT was organized. This event held was under the auspices of Vibrant Gujarat Summit 2015.

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 include the Film Club, DA-IICT Theatre Group (DTG), Prayaas, Sambhav, The Press Club, Forward Forum, Quiz Club, Martial Arts Club, Dance Club, 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 prosceniums and street plays. A fabulous 2-day event, Drama Night (Rangmanch) was organized on January 21, 2015 with active participation of 11 teams (5 felicity ~ musical plays and 6 stage plays) presenting plays of varying genre including suspense, thriller, dramatic, comedy, sarcasm on social issues, etc.
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 which strives for bringing smiles on the faces of underprivileged people. Apart from regular teaching projects at Blind School, Orphanage for HIV positive kids and Government Primary Schools, it organised mass events on Independence Day, Republic Day, Gandhi Jayanti, etc. One event worth mentioning was the Independence Day Celebration with the children from Deaf and Dumb School, Blind School and Orphanage. These children were served the food and chocolates and were taken from the Orphanage to visit Science City in Ahmedabad. They were brought to DA-IICT campus for evening supper and were finally dropped at their orphanage.

Sambhav also organized a Blood Donation Camp (with the Civil Hospital) on April 11, 2015. Sambhav’s Cycle Initiative, named Cyclon also started on March 18, 2015. As a part of this initiative, cycle service is provided to the student community of DA-IICT at a very nominal price.

The Press Club regularly 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.

Entelechy. The magazine covers articles by the students and the alumni on various sections – Campus Clamour, Self Science Scion, Sports, Techyon, Books, Films, Music, Food, Freeze Frame, GNA, Vuelo, Random Noise, Point Counterpoint, Warps and Wefts, Summer Chilliars, etc. The first edition of the magazine came out in the year 2005 and July 2015 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.

During the reporting period, the Press Club have also initiated ‘Portraits’, a weekly affair wherein the Press Club brings a fresh anecdote from the lawns and lanes of the DA-IICT campus. It gave a face to the unknown story-tellers and a voice to their fantastic tales, in an attempt to capture the very essence of DA-IIICT. These stories are published in the form of a pamphlet and a new one is displayed every Monday on various notice boards.

The newly introduced Spic-Macay Heritage Club, a Student Chapter of DA-IICT was inaugurated on September 3, 2014. The invited artist was Pandit Sarathi Chatterjee, a North Indian Classical Vocalist who has performed far and wide – not only in India but also many other countries. DA-IICT also launched live @ spicmacay.daiict.ac.in on March 4, 2015.
Padma Vibhushan Pandit Hariprasad Chaurasia, Indian classical flute maestro, performed at DA-IICT on September 14, 2014. This event also marked the curtain raiser event for the Gandhinagar Chapter of Spic-Macay.

**Dance Club** - the Dance Coders, tries its best to combine the deep seated passion for the art with dedication and teamwork. A Dance Nite was conducted on November 12, 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 also organised a Youth Parliament and an Inter-college Parliamentary Debate.

Apart from these non-academic and social activity clubs, few groups sound serious 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 reporting period and organized their own events for student groups ranging from a few dozens, to a few hundreds. Notable among these Clubs were **The Aryans, Web Dev Club and The Programming Club**. 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.

**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.

**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.

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

The **Hostel Management Committee (HMC)** organized the Hostel cleanliness drive and cleanest room and wing competitions, in both the Halls of Residences (HOR) – Men and Women in March 2015.

A series of motivational weekly lectures on topics - Focus, IQ EQ SQ, Time Management, Beyond Vegetarianism, Power of Habits, Science beyond, Low of Karma, Art of Mantra Meditation and Beyond Spirit were organized by **YES+ (Youth Empowerment Seminars)**. These weekly lectures were conducted on Tuesday evenings from 15th September to 30th November 2014 by the speakers from **Akshyapatra Foundation**.

**IEEE Student Branch Activities**

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

**Summer School 2015 – Internet of Things:** The Summer School 2015 was conducted from June 1 to 6, 2015. This year summer school’s theme was ‘Internet of Things (IoT)’ - that will make real life things come alive. The Internet of Things (IoT) is the network of physical objects or ‘things’ embedded with electronics, enabling it to achieve greater value and service by exchanging data with the manufacturer, operator and/or other connected devices. Each thing is uniquely identifiable through its embedded computing system but is able to inter-operate within the existing Internet infrastructure. Lt. Cdr. Rahul Sitaraman was the invited speaker.

**i.Fest’14 – Integrating Ideas:** Annual Technical Festival was organized by the IEEE student Branch of DA-IICT from October 31 to November 2, 2014. The aim of i.Fest 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 best of ideas and technologies together. i.Fest’14 had refreshing challenges, inspiring interactions and ingenious concepts and most importantly, fun ‘n’ frolic. It spanned 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. The hangout was joined by several IEEE members from across the country.

IEEE Gujarat section Educational Activity, Industry Applications Society (IAS) and IEEE DA-IICT student chapter conducted a series of workshops from August to November 2014 on the theme of **‘Computer Controlled Systems (CCS).’** The purpose of these workshops was to explain design of computer controlled systems. There were six, one day workshops in the series. All six workshops consisted of a lecture session, followed by a practical (hands-on) session. The six workshops that were conducted are:

- Basic computer controlled systems using Arduino® - 24th August 2014
- Networked control systems using Raspberry Pi & BeagleBone Black – 7th September 2014
- Mechatronics (use of sensors, controllers, gears, motors) – 21st September 2014
- Wireless networks for Internet of Things (IoT) – 12 October 2014
- Autonomous devices (Robots, UAV, unmanned vehicles) – 9th November 2014
- Case studies on real world computer controlled systems - 9th November 2014

**ACM-DAIICT student chapter** organized a half day workshop on “Technical Writing” on February 16, 2015 DA-IICT.

‘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 technological work can be.

STUDENT ACHIEVEMENTS

Eleven students were selected to intern with Google Summer Code (GSOC) of 2015. Of the 11 students selected for the GSOC, one is from first year BTech, four each from third and fourth year BTech and two from the MTech programme. The students who were chosen are Rishi Shah, Prakhar Joshi, Saurabh Patel, Kaushik Varanasi, Avinash Srivastav, Kesha Shah, Abhimanyu Tak, Akshay Ratan, Shaurya Singh, Ganesh Iyer, Ainish Dave along with Vaibhavi Desai as mentor. The GSOC is a global internship opportunity for students that offers stipends to write code for various open source software projects. Through GSOC, accepted student applicants are paired with mentors from the participating projects, thus gaining exposure to real-world software development scenarios and the opportunity for employment in areas related to their academic pursuits. These students received a stipend of $5,000 (Rs. 3.18 lakh). With ‘Flip bits not burgers’ as its original slogan, the idea of the programme was to get students be paid to develop open source code than a summer job flipping burgers.

One of the interns Kaushik Varanasi, a third year BTech student, got selected for a start-up in Bengaluru as part of the institute’s summer internship and simultaneously work with a firm called Tardis for GSOC.

Vaibhavi Desai, BTech 2011 batch student and Kesha Shah bagged the 2014 Google Anita Borg Memorial Scholarship (Asia Pacific) on September 2, 2014. Asia Pacific Scholars received a scholarship amount towards their tuition and attended the Google Scholars’ Retreat in Tokyo, consisting of workshops, technical talks, panel discussions, a hackathon and plenty of networking opportunities.

Devanshu Jain, BTech 2012 batch student was short-listed for USC Viterabi Internship.

Kesha Shah, BTech 2011 batch student, was selected as one of the five finalists for ‘Women in Open Source by Red Hat’ internationally.

Nidhi Vyas, BTech 2013 batch student, got the opportunity to work under Professor Jennifer mankoff at Carnegie Mellon Universit, USA from May to July 2015. She was paid $1859 per month.

Abhimanyu Tak, BTech 2011 Batch student and his team won third prize in the Line Seguidor event of IIT-
Jodhpur’s Annual Festival. More than twenty teams from various institutes participated in the event.


One hundred and twenty three students of DA-IICT participated and won prizes in various sports events at BITS Goa Sports Festival held in March 2015.

**DA-IICT Centre for Entrepreneurship and Incubation (DCEI)**

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 NEN and CIIE (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 (BTPs, etc) 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.

Companies incubated by DCEI are:

**Company Name:** Alma Connect Solutions Pvt. Ltd.  
**Founders:** Swapnil Khandelwal & Rubish Gupta  
**Company URL:** [www.almaconnect.com](http://www.almaconnect.com)

**Company Name:** PlayPower Labs India Pvt. Ltd.  
**Founder:** Kishan Patel  
**Company URL:** [www.playpowerlabs.com](http://www.playpowerlabs.com)

**Company Name:** Areysun Online Pvt. Ltd.  
**Founders:** Abhi Desai & Yash Shah  
**Company URL:** [www.areysun.com](http://www.areysun.com)

**Company Name:** Appbin Labs Pvt. Ltd.  
**Founders:** Siddharth Kothari & Sagar Chandrana  
**Company URL:** [www.getappbin.com](http://www.getappbin.com)
Alumni Activities and Achievements

The DA-IICT alumni, spread all over the world are over 3700. They are known to have made distinguished contributions in their respective domains. To reach, engage and connect with them, the DA-IICT Alumni Association organised its fifth annual meeting on 25th January, 2015. The meeting, chaired by Professor R Nagaraj, Director was attended by Prof Suman K Mitra, Dean (AP) and Prof Rahul Muthu, Convenor, Alumni Board, faculty and members of the Student Body in Government (SBG). A good number of alumni joined for discussions online from India and abroad. The Association welcomed Prof Nagaraj and expressed that with his leadership, DA-IICT will further grow as an influential institution in the area of ICT. Professor Nagaraj advised alumni to share with their juniors, new technology and practices in their workplace, so that they are exposed to the latest technology. He also sought their support in tapping private funded research projects to bring industry environment among the students particularly, the Postgraduate and Doctoral Scholars. He discussed with them the future plans of the Institute and sought their participation in managing programmes and activities of the Institute by serving in internal Committees.

The Alumni Association also organized their chapter meetings in various locations in the country. The DA-IICT Alumni Website (https://daiict.almaconnect.com), Alma Connect, a company incubated by the DA-IICT Incubation Centre and co-founded by a DA-IICT alumnus, manages the Alumni Web Portal.
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, journals, bound volumes, online databases and videos. The RC continued to play catalytical role in maintaining academic excellence at the Institute.

eResources are increasing rapidly and their 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, 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, changes were effected in the section layouts. That had helped the users to 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 number 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 2014-15.

<table>
<thead>
<tr>
<th>Collection Type</th>
<th>Added in 2014-15</th>
<th>Total as on 31 July 2015</th>
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<tr>
<td>Books</td>
<td>610</td>
<td>30186</td>
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<tr>
<td>Bound Volumes of Journals</td>
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<tr>
<td>Theses and Dissertations</td>
<td>52</td>
<td>487</td>
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<tr>
<td>Audio Visual Resources</td>
<td>64</td>
<td>3731</td>
</tr>
<tr>
<td><strong>Total Collection</strong></td>
<td><strong>930</strong></td>
<td><strong>36742</strong></td>
</tr>
</tbody>
</table>

**Printed Books :**

Faculty helped the RC to develop its Print-Books collection. Out of 787 suggestions/orders placed, the RC could procure 646 Titles. Utmost care was taken in ordering and procuring the titles suggested by faculty for their courses (Course Reserves & Short-term Loans).

**Print-Journals :**

In the academic year 2014-15, the RC renewed print-journal subscriptions of 159 journals of which 91 were from the 9 academic disciplines and the remaining from interdisciplinary and allied subjects.

**Digital Resources**

The RC subscribed to the following 12 digital resources 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
- IEL Online Library (IEEE Xplore)
- indiastat.com
These online resources contain more than 4600 peer-reviewed/specialised e-journals and statistical databases.

**Circulation Services**
During 2014-15, over 13314 documents were issued to users. These documents included books, reference books, current and bound volumes of journals and audiovisual 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 41 books and lent 12 books to other institutions. It also received 322 research papers from professional journals required by faculty members and delivered 125 research papers/articles to other institutions.

To further support academic and research activity, the RC is a member of Development Library Network (DELNET). This membership entitles 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. They are Ahmedabad Library Network (ADINET), Ahmedabad Management Association (AMA), American Society of Agricultural and Biological Engineers (ASABE), British Library, Ahmedabad, Computer Society of India (CSI), International Telecommunication Union (ITU), UGC-Infonet Digital Library Consortium, among others.

**Project Reports**
The RC has been maintaining a collection of all PhD theses (13), MTech dissertations (419) and MDes Projects (42) 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 1126 digital copies of the Project Reports are added to 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.

**Access to Special Lectures**
During the 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 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 here taking advantage of the facilities. Special Interest Groups like MyKindOfMusic too used Preview Room for their monthly experience-sharing meetings. Placement Cell of DA-IICT arranged group presentations for visiting companies at the Preview Room. Preview Room is also used for orientation programmes for freshers.

**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 reporting period to create awareness about collections available in the RC and thereby promote reading habits among students. Also new bibliographies were compiled on different subjects to promote the use of collections.
Digital Repository of Scholarly Resources (DRSR)
The DRSR which was launched in 2011 to collect, organize, preserve, provide access to, and promote dissemination of the scholarly output of 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 2273 resources.

Orientation and Information Literacy Programs
A detailed orientation program to introduce the fresh students with the RC collection, facilities and services was held during 22–24 and 28–31 July 2015. The sessions were conducted in fourteen batches of 60 minutes each.

Visitors to RC

<table>
<thead>
<tr>
<th>Institution</th>
<th>No. of visitors</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Library &amp; Information Science, Gujarat University, Gujarat</td>
<td>24 Students + 2 Faculty</td>
<td>11 September 2014</td>
</tr>
<tr>
<td>Department of Library &amp; Information Science, S P University, Vallabh Vidyaganagar, Gujarat</td>
<td>36 Students + 4 Faculty</td>
<td>20 February 2015</td>
</tr>
<tr>
<td>Library Staff and network administrator of Charotar University of Science and Technology, Changa, Anand</td>
<td>4 Professionals</td>
<td>16 July 2015</td>
</tr>
</tbody>
</table>

Internship
As part of its regular internship program for fresh Library Science Graduates, the RC recruited three MLISc graduates in September 2014 for one year as trainees. They were given training in all areas of LIS work including handling of digital resources. They were also offered monthly stipend.

Staff Training
For efficient delivery of services, domain-centric staff training is needed to upgrade their knowledge and skills. During 2014-15, the following staff members attended the workshops/seminars

- Shashikumara A A, participated in an immersive workshop on ‘Simple rules to unleash a culture of innovation Liberating Structures for Library & Information Sector’ organised by Mudra Institute of Communications, Ahmedabad, 28 February, 2015.
- Prasanna Kumar, attended seminar on ‘Libraries & Education: Vision 2020’ organized by Ahmedabad Library Network (ADINET), Gujarat University Senate hall, Gujarat University Tower, Ahmedabad, 23 August 2014.

Paper Presented
The renovation, up-gradation and creation of infrastructure facilities supportive to teaching and research have always been the priority of the Institute.

The Speech Research and Computational Science Laboratories with furniture and air conditioners were set up with an investment of Rs.35.00 lakh.

During the reporting year, the Institute started allotting rooms to the students in the newly constructed extension block in the girl’s hostel with 48 rooms. To ensure provision for clean drinking water, a new pipe line was drawn for direct supply of drinking water from Reverse Osmosis (RO) plant to the hostels, food courts, student’s activity centers and campus residences and 14 RO plants (25 litre capacity each) were set up and commissioned in various locations.

A good number of infrastructure facilities were added in the Resource Centre and notable among them were: (a) air-conditioning the periodicals hall and digital resources centre with over 250 user seats; (b) a new IBM Server 7945 ICS for hosting SLIM LAS and NPTEL Video courses with 3 TB HDD; (c) up gradation of two old servers for IR and ILMS by adding 4 GB RAM and 600 GB HDD each (Total 6 GB RAM and 700 GB HDD); (f) one CD mirroring server; (e) up gradation of six PCs allotted to staff and 16 users PCs with latest hardware; (g) a new PoE switch for WiFi access points and three additional WiFi access points for uninterrupted internet connectivity; (h) one Bluray Disc player; (i) two advanced auto detect barcode scanners, two manual barcode scanners and one barcode printer; (j) one external I HDD with 1 TB Capacity for backup; (k) a separate digital repository for hosting scholarly content generated within the institute using D-Space; and (l) eight security cameras for security of library materials and monitoring user activities.

DA-IICT has fully networked campus with optical fibre cable connectivity between various having 1Gbps internet bandwidth. Half of the 900 personal computers in the Laboratories were replaced with latest configuration of PCs. The Data centre was upgraded with 20 servers and 100 network switches to provide email, web hosting, files sharing, license management, campus management, imaging of PCs, cluster and other services. The controller based wireless access with 25 access points at various locations have also been set up during the reporting year.
### Annexure 1

#### MANAGEMENT

##### Academic Council

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof Nagaraj Ramrao, Chairman</td>
<td>Director, DA-IICT</td>
</tr>
<tr>
<td>Shri K Narayan, Member</td>
<td>Management Consultant, Reliance ADA Group, Mumbai</td>
</tr>
<tr>
<td>Prof Surendra Prasad, Member</td>
<td>Professor, Indian Institute of Technology Delhi, New Delhi</td>
</tr>
<tr>
<td>Prof David Koilpillai, Member</td>
<td>Professor, Indian Institute of Technology Madras, Chennai</td>
</tr>
<tr>
<td>Shri Suresh Rangachar, Member</td>
<td>President, Reliance Communications Limited, Mumbai</td>
</tr>
<tr>
<td>Prof. Naresh Jotwani, Member</td>
<td>Professor, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Sanjay Srivastava, Member</td>
<td>Professor, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Binita Desai, Member</td>
<td>Professor, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Anish Mathuria, Member</td>
<td>Dean (R&amp;D), DA-IICT Gandhinagar</td>
</tr>
<tr>
<td>Prof. Suman Mitra, Member</td>
<td>Dean (Academic Programs), DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Shri Soman Nair, Secretary</td>
<td>Executive Registrar, DA-IICT, Gandhinagar</td>
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##### Finance Committee

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

##### Board of Studies

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Suman K Mitra, Chairman</td>
<td>Dean (Academic Programs), DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Anish Mathuria, Member</td>
<td>Dean (Research &amp; Development), DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Asim Banerjee, Member</td>
<td>Convenor, Postgraduate Progammes, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Anil K Roy, Member</td>
<td>DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Hemant Patil, Member</td>
<td>DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. PM Jat, Member</td>
<td>Coordinator, M Sc (IT) Program, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Madhumita Mazumdar, Member</td>
<td>Coordinator, MDes(CD) Program, DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Ranendu Ghosh, Member</td>
<td>DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Biswajit Mishra, Member</td>
<td>DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Shweta Garg, Member</td>
<td>DA-IICT, Gandhinagar</td>
</tr>
<tr>
<td>Prof. Pratik Shah, Member</td>
<td>Indian Institute of Information and Communication Technology Vadodara, Gandhinagar (Alumnus of DA-IICT)</td>
</tr>
<tr>
<td>Shri Hasit Kaji, Member</td>
<td>Tata Consultancy Services (Industry Representative)</td>
</tr>
<tr>
<td>Dr. Sumitesh Sarkar, Member</td>
<td>Space Application Centre, Indian Space Research Organisation (Nominated by the Academic Council)</td>
</tr>
<tr>
<td>Dr. Sanjay Chaudhary, Member</td>
<td>Professor &amp; Head (Research), Institute of Engineering and Technology (IET), Ahmedabad University, Ahmedabad (Nominated by the Academic Council)</td>
</tr>
<tr>
<td>Prof. Manik Lal Das, Convenor</td>
<td>Convenor, Under-Graduate Programs, DA-IICT, Gandhinagar</td>
</tr>
</tbody>
</table>
Internal Quality Assurance Cell
Prof. Nagaraj Ramrao Director DAIICT - Chairman IQAC
Prof. Suman Mitra Dean-AP, DAIICT - Director IQAC
Shri Suresh Rangachar Reliance ADA Group – Management Member
Prof. Anish Mathuria Dean R&D, DAIICT – Faculty Member
Prof. Sanjeev Gupta Dean Students, DAIICT – Faculty Member
Prof. Rahul Muthu Alumni Board, DAIICT – Faculty Member
Prof. Ranendu Ghosh Convenor, Placement Committee, DAIICT – Faculty Member
Shri Soman Nair Executive Registrar, DAIICT – Administrative Member
Shri Hasendrasinh Jhala Head, HR, DAIICT – Administrative Member
Shri Anamitra Das TCS, Gandhinagar – Member from Employer
Shri Aman Agarwal Student, DAIICT – Student Member
Shri Valay Vaidya Student, DAIICT – Student Member
Shri Swapnil Khandelwal Alumnus, DAIICT – Alumni Member
Shri Roghuvir Songhela Alumnus, DAIICT – Alumni Member

Director
Prof. R. Nagaraj
Prof. S C Sahasrabudhe (up to 19 January 2015)

Deans
Academic Programs
Prof. Suman K Mitra

Research and Development
Prof. Anish Mathuria

Students
Prof. Sanjeev Gupta

Executive Registrar
Shri Soman Nair

Librarian
Shri Satish Deshpande (Consulting Librarian)

Head—HR and Administration
Shri Hasendrasinh Jhala

Internal Committees

ICT Committee
Prof. Rahul Dubey, Convenor
Prof. Laxminarayan Pilluta, Member Prof. Bhaskar Chaudhury, Member Prof. Rutu Parekh, Member
Mr. Rajendra Shah, Member
Mr. Nimesh Patel, Member

Placement Committee
Prof. Ranendu Ghosh, Convenor
Prof. Amit Bhatt, Member
Prof. V Sunitha, Member
Prof. Jaideep Mulherkar, Member
Ms. Anjali Kulshrestha, Member

Resource Centre Committee
Prof. Manjunath V Joshi, Convener
Prof. Hemant Patil, Member
Prof. Amishal Modi, Member
Prof. Nabin K Sahu, Member
Shri Soman Nair, Member
Shri Satish Deshpande, Member Secretary
Web Committee
Prof. Manish Gupta, Convenor
Prof. Bharani Kollipara, Member
Prof. Puneet Bhateja, Member

CEP Committee
Prof. Amit Bhatt, Convenor
Prof. Gaurav Mishra, Member
Prof. Binita Desai, Member
Prof. Shweta Garg, Member
Mr. Sunil Kumar Jain, Member

Annual Report Committee
Shri Satish Deshpande, Convener
Dean (Academic Programs), Member (ex-officio)
Dean (R & D), Member (ex-officio)
Dean (Students), Member (ex-officio)
Convenor, Placement Committee, Member (ex-officio)
Prof. Madhumita Mazumdar, Member
Executive Registrar, Member (ex-officio)

Disciplinary Action Committee
Dean (Students), Convener (ex-officio)
Warden, HOR-Men, Member (ex-officio)
Warden, HOR-Women, Member (ex-officio)
Associate Warden, HOR-Men, Member (ex-officio)
Dy. Registrar, Member (ex-officio)
Student Representatives – two students (nominated)

Gender Cell
Prof. Binita Desai, Convener
Dean (Academic Programs), Member (ex-officio)
Prof. Maitrayee Mukherjee, Member
Ms. Geeta Mehta, Member
Dr. Neeta Shah (Director, Gujarat Infomatics Limited) - External Member
Student Representatives – two students (nominated)

Student Activities Council
Prof. Nabin Sahu, Convener (Sports Committee)
Prof. Prasenjit Majumder, Convener (Cultural Committee)
Prof. Jaideep Mulherkar, Convener (Synapse Committee)

Alumni Board
Prof. Rahul Muthu, Convener
Prof. Asim Banerjee, Member
Prof. Gautam Dutta, Member
Prof. Alka Parikh, Member
Student Representatives – four students (nominated)

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

Information System Committee
Dean (Academic Programs), Convener (ex-officio)
Convener (UGC), Member (ex-officio)
Convener (PGC), Member (ex-officio)
Executive Registrar, Member (ex-officio)
Deputy Registrar, Member (ex-officio)
Assistant Registrar, Member Secretary
Mr. Dinesh Prajapati, Invited Member

BTP Coordinator (2014-15)
Prof. Mukesh Tiwari

Rural Internship Committee (2014-15)
Prof. B N Hiremath, Convener
Prof. Gaurav Mishra, Member
Prof. Jaideep Mulherkar, Member

Summer Internship Coordinator (2014-15)
Prof. Manoj K Raut
Annexure 2

THESSES, PROJECTS AND REPORTS

PhD Theses
1. Bhatt, Jignesh Shashikant, Novel Approaches for Spectral Unmixing of Hyperspectral Data; xvi, 146 p.; 2015. (Supervisor: Joshi, Manjunath V.)

M.Tech Theses
4. Chandarana, Mahek Harshad, Microwave imaging of a 36-cell human body by moment method formulation; vii, 31 p.; 2015. (Supervisor: Ghodgaonkar, Deepak)
5. Chhaya, Rachit, Readability of Hyperlinked Data with Experiments on School Textbooks; vii, 36 p.; 2015. (Supervisor: Majumder, Prasenjit)
7. Desai, Jeet, Heuristic Approach for Segment Based Pairwise Sequence Alignment in Bioinformatics; vi, 45 p.; 2015. (Supervisor: Divakaran, Srikrishnan)
10. Garg, Garima, Privacy Preservation in Vehicular Ad-hoc Networks (VANETs); vii, 33 p.; 2015. (Supervisor: Das, Manik Lal)
20. Kumar, Dheeraj, Learning Based Approach for Image Compression; vii, 32 p.; 2015. (Supervisor: Joshi, Manjunath V.)
22. Majithiya, Bhumik Kiribhui, An Active Sub-harmonic Mixer; ix, 42 p.; 2015. (Supervisor: Gupta, Sanjeev)
23. Malodiy, Prakash B., Ontology Learning from Relational Database and Reuse it with Popular Vocabularies; vii, 36 p.; 2015. (Supervisor: Jat, P. M.)
27. Pandey, Vijay Raghav, A Wideband Active Mixer with High Gain and High Linearity; xi, 40 p.; 2015. (Supervisor: Gupta, Sanjeev)

30. Patel, Sagar, Low-power Pipelined Crypto-core using a Backup Flip-flop; x; 36 p.; 2015. (Supervisor: Bhatt, Amit)


32. Ramesh, Lekshmi, Low-Rank and Sparse Decomposition of Compressively-Sensed Matrices: Applications to Surveillance Video Processing; ix, 48 p.; 2015. (Supervisor: Ghodgaonkar, Deepak)

33. Rathore, Bhanu Pratap Singh, Ultra Wide Band Dielectric Resonator Array Antenna; viii, 41 p.; 2015. (Supervisor: Mishra, Biswajit)

34. Sankhavara, Jainisha, Query Expansion in Biomedical Information Retrieval; viii, 42 p.; 2015. (Supervisor: Majumder, Prasenjit)


36. Sharma, Vineet, All-Digital Time based Analog-to-Digital Converter and Time-to-Digital Converter; ix, 44 p.; 2015. (Supervisor: Ghodgaonkar, Deepak)


39. Sodani, Arpit, Hardware-Software design of real-time MPEG-2 Video Encoder; vii; 47 p.; 2015. (Supervisor: Dubey, Rahul)

40. Soni, Pushpitvardhan, GPU-Accelerated Method of Moments; xi, 67 p.; 2015. (Supervisor: Zaveri, Mazad S.)

41. Tailor, Divyesh, An Exact Algorithm for Segment based Sequence Alignment; vii, 45 p.; 2015. (Supervisor: Divakaran, Srikrishnan)

42. Thakrar, Fenny, Integrating Semantics into Biomedical Information Retrieval; vii, 42 p.; 2015. (Supervisor: Majumder, Prasenjit)

43. Tripathi, Prakriti Vaibhav, Study and Analysis of Primary Database Operations using Single Node Hadoop Cluster; viii, 39 p.; 2015. (Supervisor: Jat, P. M.)

44. Tripathi, Saurabh, D-Latch Based Low Power Memory Design; viii, 48 p.; 2015. (Supervisor: Mishra, Biswajit)


46. Vijayvergiya, Nishant, Ontology Alignment Based Support for Searching LOD-datasets Using SPARQL Query; viii, 34 p.; 2015. (Supervisor: Jat, P. M.)

47. Vora, Ankikumar, Path Planning of Data Mule using Responsible Short Circuit with Steiner Points; viii, 28 p.; 2015. (Supervisor: Shrivastava, Sanjay and V. Sunitha)

**MDes Project Reports**

1. Arora, Neha, Website Design [Birds of Nalsarovar]; 59 p.; 2015. (Supervisor: Raje, Nitin and Desai, Binita)


3. Prajapati, Soham, Ragpickers: A Documentary Film on Recycling in Ahmedabad; 54 p.; 2015. (Supervisor: Sarkar, Aditinath)


5. Sharma, Mitali, Fist Tales: Cuisine of Coastal Gujarat; 75 p.; 2015. (Supervisor: Desai, Binita)


**MSc ICT-ARD Project Reports**


2. Jivani, Jay and Amrutya, Feni, Integration of the Forest Management Information System (FMIS) with Windows Based Mobile Application for Forest Surveillance & Tracking System (GIS) and Testing of the Gujarat State Road Transport Corporation (GSRTC) website; 47 p.; 2015. (Supervisor: Ghosh, Ranendu)


5. R. S., Kiran and Patel, Jigna, ICT to Improve Health and to Provide Superior Services to Grassroot; 75 p.; 2015. (Supervisor: Parikh, Alka)

# FACULTY WITH AREAS OF INTEREST

## Regular Faculty

<table>
<thead>
<tr>
<th>Name of the Faculty</th>
<th>Areas of Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R Nagaraj (Director)</strong></td>
<td>Fault tolerant control, Non linear control systems, neural networks and reconfigurable control systems.</td>
</tr>
<tr>
<td>PhD (Electrical &amp; Electronics Engineering)</td>
<td>Visvesvaraya Technological University, Belgaum</td>
</tr>
<tr>
<td><strong>Banerjee, Asim</strong></td>
<td>Pattern recognition, medical imaging, image processing, digital signal processing, speech coding, software engineering, software quality assurance and project management.</td>
</tr>
<tr>
<td>PhD (Electrical Engineering)</td>
<td>IIT Bombay</td>
</tr>
<tr>
<td><strong>Bhateja, Punnet</strong></td>
<td>Formal Methods used for Testing and Verification.</td>
</tr>
<tr>
<td>PhD (Computer Science)</td>
<td>Chennai Mathematical Institute, Chennai</td>
</tr>
<tr>
<td><strong>Bhatt, Amit</strong></td>
<td>3D IC, computer architecture, low power methodology in digital design.</td>
</tr>
<tr>
<td>PhD (Electrical Engineering)</td>
<td>North Carolina State University, USA</td>
</tr>
<tr>
<td><strong>Bhise, Minal</strong></td>
<td>Semantic web, distributed databases, software system analysis and design.</td>
</tr>
<tr>
<td>PhD (Computer Science)</td>
<td>BITS Pilani</td>
</tr>
<tr>
<td><strong>Chatterji, Samaresh</strong></td>
<td>Algebra, discrete mathematics, computer simulation and applications.</td>
</tr>
<tr>
<td>PhD (Mathematics)</td>
<td>Wayne State University, USA</td>
</tr>
<tr>
<td><strong>Chaudhury, Bhaskar</strong></td>
<td>Computational Plasma Physics, Computational Electromagnetics, High Performance Computing, Scientific Data Management.</td>
</tr>
<tr>
<td>PhD (Computational Physics) Institute for Plasma Research, Gandhinagar, Gujarat</td>
<td></td>
</tr>
<tr>
<td><strong>Das, Manik Lal</strong></td>
<td>Information security, cryptography, system design and analysis.</td>
</tr>
<tr>
<td>PhD (Information Technology)</td>
<td>IIT Bombay</td>
</tr>
<tr>
<td><strong>Dasgupta, Sourish</strong></td>
<td>Distributed multi-agent system, semantic web, artificial intelligence.</td>
</tr>
<tr>
<td>PhD (Computer Science)</td>
<td>University of Missouri-Kansas City USA</td>
</tr>
<tr>
<td><strong>Desai, Binita</strong></td>
<td>Animation, communication design and multimedia.</td>
</tr>
<tr>
<td>BFA (Fine Arts)</td>
<td>MS University, Baroda Animation National Institute of Design, Ahmedabad</td>
</tr>
<tr>
<td><strong>Devy, Ganesh</strong></td>
<td>Comparative literature, cultural studies.</td>
</tr>
<tr>
<td>PhD (English)</td>
<td>Shivaji University, Kolhapur</td>
</tr>
<tr>
<td><strong>Divakaran, Srikrishnan</strong></td>
<td>Design and analysis of algorithms for problems in bioinformatics, machine scheduling and distributed systems.</td>
</tr>
<tr>
<td>PhD (Computer Science)</td>
<td>Rutgers University, USA</td>
</tr>
<tr>
<td><strong>Dubey, Rahul</strong></td>
<td>Design and prototyping of digital systems, factory automation.</td>
</tr>
<tr>
<td>PhD (Electrical Engineering)</td>
<td>IIT Roorkee</td>
</tr>
<tr>
<td><strong>Dutta, Gautam</strong></td>
<td>Quantum computers, signal processing, image processing, particle physics.</td>
</tr>
<tr>
<td>PhD (Physics)</td>
<td>Physical Research Laboratory, Ahmedabad</td>
</tr>
<tr>
<td><strong>Garg, Gagan</strong></td>
<td>Information theory, cryptography, number theory.</td>
</tr>
<tr>
<td>PhD (Computer Science)</td>
<td>Indian Institute of Science, Bangalore</td>
</tr>
<tr>
<td><strong>Garg, Shweta</strong></td>
<td>Food and Cultural Studies, Performance Studies, Creative Writing, Literature of the Indian Diaspora.</td>
</tr>
<tr>
<td>PhD (English)</td>
<td>IIT Roorkee</td>
</tr>
<tr>
<td><strong>Ghodgaonkar, Deepak</strong></td>
<td>RF and microwave engineering, Microwave measurements, microwave characterization of composite materials, biomedical applications of microwaves, RFID and metamaterials.</td>
</tr>
<tr>
<td>PhD (Electrical Engineering)</td>
<td>University of Utah, USA</td>
</tr>
<tr>
<td>Name</td>
<td>Qualification/Major</td>
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<tr>
<td>Ghosh, Anjan</td>
<td>PhD (Electrical Engineering)</td>
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<td>PhD (Soil Science and Agricultural Chemistry)</td>
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<td>Gupta, Manish K.</td>
<td>PhD (Mathematics)</td>
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<td>PhD (Communication Engineering)</td>
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<tr>
<td>Hiremath, B. N.</td>
<td>PhD (Agricultural Economics)</td>
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<td>Jat, Pokhar Mal</td>
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<td>Joshi, Manjunath V.</td>
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<td>Jotwani, Naresh</td>
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<td>Kollipara, Bharani</td>
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<td>Majumdar, Prasenjit</td>
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<td>Mathuria, Anish</td>
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<td>Mazumdar, Madhumita</td>
<td>PhD (Modern History)</td>
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<tr>
<td>Mishra, Biswajit</td>
<td>PhD (Electrical &amp; Electronics Engineering)</td>
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<tr>
<td>Mishra, Gaurav</td>
<td>PhD (Information and Communication Technologies for Rural Development)</td>
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<tr>
<td>Mitra, Suman Kumar</td>
<td>PhD (Computer Science)</td>
</tr>
<tr>
<td>Modi, Amishal</td>
<td>M.A. (English)</td>
</tr>
<tr>
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<tr>
<td>Mulherkar, Jaideep</td>
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<td>Pandya, Vishvajit</td>
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<tr>
<td>Parekh, Rutu</td>
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<td>PhD (Special Education)</td>
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<td>Pillutla, Laxminarayana</td>
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<tr>
<td>Raut, Manoj Kumar</td>
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<td>Roy, Anil</td>
<td>PhD (Physics)</td>
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<tr>
<td>Sahasrabudhe, S. C.</td>
<td>PhD (Communication/Signal Processing)</td>
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<tr>
<td>Sarkar, Aditi Nath</td>
<td>M.A. (South Asian Languages and Civilizations)</td>
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<tr>
<td>Sahu, Nabin Kumar</td>
<td>PhD (Mathematics)</td>
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<tr>
<td>Sharan, Girja</td>
<td>PhD (Agricultural and Biological Engineering)</td>
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<tr>
<td>Sinha, V. P.</td>
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<td>Srivastava, Sanjay</td>
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</tr>
<tr>
<td>Sunitha, V.</td>
<td>PhD (Mathematics)</td>
</tr>
<tr>
<td>Tatu, Aditya</td>
<td>PhD (Image Analysis)</td>
</tr>
</tbody>
</table>
Tiwari, Mukesh  
PhD (Optical Science and Engineering) | University of New Mexico, USA  
Statistical physics, non linear dynamics, quantum transport, surface science.

Vijaykumar, C.  
PhD (Communication Engineering) | REC Tiruchirapalli  
Digital signal processing, estimation theory, wireless communications, speech processing.

Zaveri, Mazad  
PhD (Electrical and Computer Engineering) | Portland State University, Oregon, USA  
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.

Zinka, Srinivasa Rao  
PhD (Microwave Engineering) | Chung-Ang University, Seoul  
Phased Array Antennas, Microwave Filter Design, Frequency Selective Surfaces.

Adjunct Faculty

The following adjunct faculty members were associated with the teaching work during the academic year 2014-15.

<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>Ph. D. (Economics)</td>
<td>R. D. University, Jabalpur</td>
</tr>
<tr>
<td>Banerjee, Soumitra</td>
<td>Business strategy and management</td>
</tr>
<tr>
<td>MBA, Indore University</td>
<td></td>
</tr>
<tr>
<td>Brahmabhattach, Kaushik</td>
<td>Photography, performing art, puppetry</td>
</tr>
<tr>
<td>PG in Journalism, Public Relation &amp; Advertising, PG in Commercial Photography, PG in Performing Art-Puppetry</td>
<td></td>
</tr>
<tr>
<td>Dandekar, Prakash</td>
<td>Embedded wireless networked systems and product design; Realtime software application development for robotics, automotive, industrial automation and natural resources monitoring</td>
</tr>
<tr>
<td>MTech (Electrical Engineering), Bombay</td>
<td></td>
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<tr>
<td>Dasgupta, Kuntala</td>
<td>Rabindranath Sangeet</td>
</tr>
<tr>
<td>B Sc Calcutta University, Kolkata</td>
<td></td>
</tr>
<tr>
<td>Dey, Shalini</td>
<td>Information Design (Print, Interactive), User Experience Design (persona creation, user journeys, information architecture), Wayfinding (print, interactive, signage), Infographics, Culture studies and Storytelling</td>
</tr>
<tr>
<td>PG in Information &amp; Digital Design, NID, Ahmedabad</td>
<td></td>
</tr>
<tr>
<td>Doctor, Khushru F.</td>
<td>Project management and Computer Security</td>
</tr>
<tr>
<td>MCA, Gujarat University, Gujarat, Certified Information Systems Auditor (CISA)</td>
<td></td>
</tr>
<tr>
<td>Kumar, Naveen</td>
<td>Information Security and Privacy, Cloud Computing</td>
</tr>
<tr>
<td>PhD Scholar, DA-IICT</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Qualification/Institution</td>
</tr>
<tr>
<td>-----------------------</td>
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<tr>
<td><strong>Nagchoudhuri, Dipankar</strong></td>
<td>PhD (Electrical Engineering), Michigan State University, USA</td>
</tr>
<tr>
<td><strong>Patel, Bhavesh</strong></td>
<td>MDes(CD), DA-IICT, Gandhinagar, Diploma in Professional Photography Light &amp; Life Academy Ooty</td>
</tr>
<tr>
<td><strong>Phophalia, Ashish</strong></td>
<td>Ph.D Scholar, DA-IICT,Gandhinagar</td>
</tr>
<tr>
<td><strong>Raval, Nikhil</strong></td>
<td>MBA (Strategic Management), California State University, USA</td>
</tr>
<tr>
<td><strong>Sengupta, Amit</strong></td>
<td>PhD, (Biomedical Engineering), IIT Delhi</td>
</tr>
<tr>
<td><strong>Singh, Indrani Choudhury</strong></td>
<td>PhD (Environmental Science), Space Applications Centre, ISRO, Ahmadabad, in association with Kalyani University West Bengal</td>
</tr>
<tr>
<td><strong>Sisodia, Dixsha</strong></td>
<td>Ph D Scholar, Faculty of Management Studies, Mohanlal Sukhadia University, Udaipur</td>
</tr>
<tr>
<td><strong>Yagnik, Jignasu</strong></td>
<td>MBA, Gujarat University, Ahmedabad</td>
</tr>
<tr>
<td><strong>Zunnun A Raoof Narmawala</strong></td>
<td>MTech(ICT), DA-IICT,Gandhinagar</td>
</tr>
</tbody>
</table>
Annexure 4

LISTING OF STAFF

Registrar
Soman Nair, Executive Registrar

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

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

Director/Dean/Registrar/Faculty Offices
Venugopal PR, Senior Secretary to Director
Abhilash Kumar Bhaskaran, Senior Secretary, Registrar’s Office
Satyabir Singh, Senior Secretary to Dean - (AP)
Mukesh Thaker, Secretary to Dean - (R & D)
Deepa Poduval, Secretary, Faculty Block 2
Geeta S Nair, Secretary, Faculty Block 3
Vibha Prajapati, Secretary, Faculty Block 4

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

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

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

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

Laboratory
Rajendra B Shah, Lab Superintendent
Ramesh Prajapati, Deputy Laboratory Superintendent
Krupa B Kinkhabwala, Senior Laboratory Assistant
Sanjay Bariya, Senior Laboratory Assistant
Krunal G Patel, Senior 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, Senior Hostel Supervisor
Sawankumar Sachaniya, Hostel Supervisor
Project Staff 2014-15

2. Aarsee Aeron, Part Time Research Assistant (CLIA sponsored project wef 15 May 2013) [Supervisor: Prof Prasenjit Majumder]
3. Aditi Shah, Part Time Research Assistant (CLIA sponsored project wef 15 May 2013) [Supervisor: Prof Prasenjit Majumder]
4. Alpesh Sathwara, IT Manager in CEID Project (CEID Project wef 11 April 2011) Supervisor Prof: Anish Mathuria
5. Ankit Nagpal, Project Personnel Cat-B (ASRC-II sponsored project wef 12 December 2014) [Supervisor: Prof Hemant Patil]
6. Anusha Pathak, Senior Research Fellow (DDHIB sponsored project wef 01 June 2013) [Supervisor: Prof Rahul Dubey]
7. Ashish Phophalia, Research Associate (TRFRPV sponsored project wef 4 January 2013) [Supervisor: Prof Suman K Mitra]
8. Avni Rajpal, Project Personnel Category-B (ASRC-II sponsored project wef 12 December 2014) [Supervisor: Prof Gaurav Mishra]
9. Bhumika Chauhan, Project Assistant (AHSUMC sponsored project wef 1 March 2015) [Supervisor: Prof Hemant Patil]
10. Dr. Indrani Choudhury Singh, Scientist, DST WOS-A (WOS-A sponsored project wef 04 April 2012) [Supervisor: Prof Ranendu Ghosh]
11. Hardik Sailor, Project Personnel Category-A (DITSSIL2 sponsored project wef 19 February 2014) [Supervisor: Prof Hemant Patil]
13. Hemil Shah, Part Time Project Assistant (AHSUMC sponsored project wef 1 May 2015) [Supervisor: Prof Gaurav Mishra]
15. Jainisha Sankhavara, Project Personnel (CLIA sponsored project wef 1 June 2015) [Supervisor: Prof Prasenjit Majumder]
17. Maulik Madhavi, Project Personnel Category-A (DIT Indian Languages sponsored project wef 2 April 2012) [Supervisor: Prof Hemant Patil]
19. Mahammadi Zaki, Project Personnel Category-A (DIT TTS sponsored project wef 18 February 2014) [Supervisor: Prof Hemant Patil]
20. Nirmesh Shah, Project Personnel Category-A (DTSSIL2 sponsored project wef 19 February 2014) [Supervisor: Prof Hemant Patil]
21. Pankaj P Chaudhary, Junior Research Fellow (UWDRA ISRO sponsored project wef 12 January 2015) [Supervisor: Prof Deepak Ghoadaonkar]
22. Parth Mehta, Junior Research Fellow (CLIA sponsored project wef 21 May 2012) [Supervisor: Prof Prasenjit Majumder]
23. Pramod Bachhav, Project Personnel Cat-B (ASRC-II sponsored project wef 12 December 2014) [Supervisor: Prof Hemant Patil]
24. Purvi Koringa, Senior Research Fellow (TRFRPV sponsored project wef 12 June 2013) [Supervisor: Prof Hemant Patil]
25. Shubham Sharma, Research Assistant (DPGPE sponsored project wef 15 May, 2013) [Supervisor: Prof Suman Kumar Mitra]
26. Tanvina Patel, Project Personnel Category-A (TTS Indian Languages Phase II wef 21 May 2012) [Supervisor: Prof Hemant Patil]
27. Tushar Vilas Kokane, Junior Research Fellow (MBHM sponsored project wef 1 May 2015) [Supervisor: Manoj Kumar Raut]
28. Vibha Prajapati, Project Personnel (DTSSIL2 sponsored project wef 02 April 2012) Supervisor: [Supervisor: Prof Hemant Patil]