Guidelines for the Creation of the
Internal Quality Assurance Cell (IQAC)
and Submission of Annual Quality Assurance Report (AQAR) by Accredited Institutions

DA-IICT AQAR (*July 1, 2018 to July 31, 2019)*

The Annual Quality Assurance Report (AQAR) of the IQAC
(For Universities)
Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2018 to July 31, 2019)*

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Part – A

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1. **Data of the Institution**

Name of the Institution	Dhirubhai Ambani Institue of Information and Communication Technology, Gandhinagar
Name of the Head of the institution	Prof. K. S. Dasgupta
Designation	Director
Does the institution function from own campus	Yes
Phone no./Alternate phone no.	079-68261572
Mobile no.	9327043614
Registered Email	director@daiict.ac.in
Alternate Email	registrar@daiict.ac.in
Address	Near Indroda Circle, Gandhinagar, Gujarat
City/Town	Gandhinagar
State/UT:	Gujarat
Pin Code:	382007

2. **Institutional status**

University:	Private
Type of Institution	Co-education
Location	Urban
Financial Status	Self Finance

Name of the IQAC Co-ordinator/Director	Dr. Anil K. Roy
Phone no. /Alternate phone no	079-68261613
Mobile:	+91-9376163094
IQAC e-mail address:	iqac_dir@daiict.ac.in
Alternate Email address:	anil_roy@daiict.ac.in

3. Website address:

Web-link of the AQAR:	https://www.daiict.ac.in/institute/iqac/

4. Whether Academic Calendar prepared during the year | Yes |

Weblink	https://www.daiict.ac.in/academics/academic-calendar/

5. Accreditation Details

	Cycle	Grade	CGPA	Year of Accreditation	Validity Period	
	1st	A	3.11	2017	from: 27/11/2017 to: 26/11/2022	

6. Date of Establishment of IQAC | 29/04/2015 |

7. Internal Quality Assurance System

	7.1 Quality initiatives by IQAC during the year for promoting quality culture			
	Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries	
	a) Regular meeting of IQAC		members present	
	b) Submission of AQAR			
	c) Participation in NIRF	NIRF 2018	RANK : 106	
	d) Participation in SRF			

		Gujarat State Institutional Rating 2018-19	CGPA: 3.09/5	

Note: Some Quality Assurance initiatives of the institution are:
(Indicative list)
- *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
- *Academic Administrative Audit (AAA) conducted and its follow up action*
- *Participation in NIRF*
- *ISO Certification*
- *NBA etc.*
- *Any other Quality Audit*
- *Need of a centralized data acquisition and repository system/process was put forward to the Director for his consideration and approval.*
- *Review of Term of Reference of all working committees with the Director*
- *Due diligence of certain processes and policies*

8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Government of Gujarat	Anchor/Nodal Institute	Government of India	2018 (2018-2023)	Rs. 10 Crore (total grant)

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
10. No. of IQAC meetings held during the year:	1
The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website	Yes https://www.daiict.ac.in/institute/iqac/
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year	

1.   All process owners (convenors of various functional committees) are asked to review their respective process documents of the functions they are accountable for.

2.	As an outcome of the point #6 of 7.1, certain policy documents are put in place as listed below
o	Gender Cell Compliance Form (21 July 2018)
o	Consultancy Policy (4 Sep 2018)
o	Website Management Policy (21 Jan 2019)
o	ICT Policy (31 May 2019)

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year	Not Yet Started

Plan of Action	Achievements/Outcomes	
Aiming for NIRF & GSIRF Ranking	Ranked between 101-150 in NIRF 2018 Four Stars rated in GSIRF Ranking	

14. Whether the AQAR was placed before statutory body?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?	No
16. Whether institutional data submitted to AISHE	Yes Year: 2018-19 Date of Submission: 20-02-2019
17. Does the Institution have Management Information System ?	Yes

The Institute has integrated Management Information Systems called 'E-campus'. The E-Campus generates various reports on students from admissions to graduation. There is a separate MIS to generate reports on financial results of the Institute. The list of modules operational in e-campus is as follows :

Student Admission System (SAS)
The module handles submission of online admission application form, payment of application fee, recording of national and institutional admission tests scores, generation of merit ranks and admission offers.

Student Registration System (SRS)
The module has outline of all courses for UG and PG programs. It enables the students to register for core / elective courses in each semester on line and pay the tuition fees. The system allows appropriate authorities to approve/decline the registration of courses and confirm receipt of fees. It generates reports on courses chosen by the students and fee collection.

Student Evaluation and Grading System (SEGS)
The module is used to upload grades obtained by the students in the courses, computation of semester results, declaration of results and student attendance. It generates several reports relating to the performance of the students.

Hostel Management System (HMS)
The module maintains records of hostel room allotment, all complaints on hostel administration and generates reports on hostel management.

Fee Collection

The module records the fee collection, generate reports on fee collection and fee receipts for the students for the reference. The students can download and print the receipts.

Financial results

The MIS on financial results is part of the financial and accounting system. This is a separate system and it generates reports on trends in receipts and expenditure and analytical reports on the financial performance of the Institute.

PART - B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Design And Development

1.1.1 Programmes for which syllabus revision was carried out during the Academic year

Name of programme	Programme Code	Dates of revision
None		Curriculum Design And Development

1.1.2 Programmes/courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
Nil		Cloud computing IT627 (MSc IT optional)	Autumn 2018-19
		1. CAD of VLSI EL454 2. Approximation Algorithms (SC515) 3. Specification and Verification of Computing Systems (IT560)	Winter 2018-19

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme/Course	Date of introduction
The institute introduces an MTech in Electronics and Communication with specializations in Wireless Communications and Embedded Systems in AY 2018-19. The program was initiated in collaboration with C. R. Rao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS), Hyderabad with an intake 18 + 5 sponsered. The details of the program is available at https://www.daiict.ac.in/admissions/post-graduate/m-tech-ec-admissions/	
New Course approved in AY 2018-19 • IT486 Blockchain and Cryptocurrencies • IT485 Logic of Inference • CT479 Antenna Theory	Autumn Semester 2018-19 Academic Year
• IT558 Information Security • IT559 Distributed Systems • IT561 Advanced Software Engineering • IT563 Data Mining • IT564 Algorithmic Graph Theory • CT477 Adaptive Signal Processing	Winter Semester 2018-19 Academic Year

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course system	UG	PG
	Adopted since the beginning of the institute (2001).	Adopted since the beginning of the institute (2001).	2001-02	Adopted since the beginning of the institute (2001).	Adopted since the beginning of the institute (2001).

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of Introduction	Number of students enrolled
Development Trajectories (HM 486)	Winter Sem 2018-19	95

1.3.2 Field projects / Internships under taken during the year

Programme Course Name	No of Projects / Internship
B.Tech. – Rural Internship (PC232)	313
B.Tech. – Summer Research Internship (PC334)	211
B.Tech. – Industrial Internship (PC333)	91
B.Tech. Project (minor in CS) (PC424)	57
B.Tech. Project (ICT) (PC422)	234
M.Sc. (IT) – Summer Internship (PC649)	115
M.Sc. (IT) Project (PC641)	114
M.Des. (CD) Project (PC714)	7

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution?

Students Feedback: Every semester, a structured course evaluation feedback is collected from students for all programmes in an online and anonymous mechanism. The course feedbacks are analysed and communicated to the course instructor in every semester. Feedback form is structured with the course plan, the course objectives, the course material, tutorial and laboratory sessions and the usefulness of the course. Students are also encouraged to express their additional views on each subject through the course evaluation feedback or through interaction with the course instructor. The course feedback is shared with the course instructor. Apart from the students' feedback on academics, an exit feedback on computing facility, resource centre, hostel, co-curricular activities, sports, cultural, general administration is collected from the students. The exit feedback summarizes the overall impression of the students' experiences in the respective programmes.

Faculty Feedback: Faculty are involved in core course design, devising elective course, and curriculum committee. Faculty share their views on the program inputs, outcomes, courses and project through faculty meetings held regularly and inputs from faculty are considered in all programs.

Employers Feedback: Employer feedback is collected during placement drives in every session. Employers share their fair assessment on the graduates with respect to observed skills and where the program can improve further. Industry experts are included as members in the curriculum revision of all programs and provide input on industry relevant courses to be included in the curriculum.

Alumni Feedback: Our alumni are connected virtually through the portal AlmaConnect. Alumni members share their views to the curriculum revision. In the annual alumni meet, they express their views and provide feedback to the institute. Individual alumni can also share his/her view with the Director, Deans and faculty over emails.

Parents Feedback: Parents participate in the orientation session of each program and share their views. Parents also visit the campus occasionally to drop in faculty office, deans' office, director office and in administration and provide their feedback and suggestion for the improvement of the programs.

CRITERION II -TEACHING – LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
1. B.Tech. (ICT)	288	5449	302
2. B.Tech. (Honours in ICT	72		74
3. M.Tech. (ICT)	64	422	64
4. M.Tech. (EC)	18		11
4. M.Sc. (IT)	120	624	120
5. M.Des. (CD)	20	34	13
6. Ph.D.	10-20	103	12

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018-19	1244	394	-	-	63

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of teachers on roll	Number of teachers using ICT *(LMS, e-Resources)*	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
63	63	The institute facilitates the state of the art ICT infrastructure to the	14 Class rooms 2 Workshops	8	

| | | students. The Resource centre is equipped with digital e-resources, IEEE, ACM and Springer journals, volumes accessible to faculty and students. | 17 nos. of teaching labs. 09 nos. of non-teaching labs | (LT-1, 2,3, MMD 1,2) 1 Smart city lab 1 IR Lab 1 Speech Lab | |

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

Students mentoring is an integral part of academic excellence. Faculty mentors students for their academic performance, projects, research, and course related aspects. The institute has employed two counsellors who provide mentorship to students as and when they want for their stress, time management. The students clubs are very vibrant in the campus, which encourage students for their co-curricular and extra-curricular activities. Finally, Undergraduate and Postgraduate program committees continuously monitor and mentor students who are put on academic probation and might be facing issues pertaining to their academics.

Number of students enrolled in	Number of fulltime teachers	Mentor: Mentee Ratio
1638	63	1:26

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
63	63	0	5	61

2.4.2 Honours and recognitions received by teachers
(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Prof. Anish Mathuria	Professor	Associate Editor on the Editorial Board of Sadhana (Computer and Data Sciences) for the period September 2018 to December 2021 https://www.ias.ac.in/sadhana/
2018	Prof. Hemant Patil	Professor	APSIPA Distinguished Lecturer for Term 2018-2019, from APSIPA (Asia-Pacific Signal and Information Processing Association) IRE Board
2018	Prof. Saurabh Tiwari	Associate Professor	Awarded best SEIP paper award in 25th Asia-Pacific Software Engineering Conference (ASPEC 2018)
2019	Prof. Hemant Patil	Professor	Elected as ISCA Distinguished Lecturer for 2020-2021
2019	Dr. Yash Agrawal	Assistant Professor	Received Grant for research visit and prospective collaboration with Technical University of Munich, Germany

Many faculty are involved in Project Reviews Steering Group, Faculty Search Committee, and Board of Studies at institutions and Govt. organizations. A good number of faculty members are senior member of the IEEE and other professional bodies.

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Program me Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
1. B.Tech. (ICT)	01	2018-19	Autumn: 04-12-2018 Winter: 04-05-2019	Autumn:13-12-2018 Winter: 17-05-2019
2. B.Tech. (Honours in ICT with minor in CS)	01	2018-19	Autumn: 04-12-2018 Winter: 04-05-2019	Autumn:13-12-2018 Winter: 17-05-2019
3. M.Tech. (ICT)	11	2018-19	Autumn: 04-12-2018 Winter: 04-05-2019	Autumn:13-12-2018 Winter: 17-05-2019
4. M.Tech. (EC)	15	2018-19	Autumn: 04-12-2018 Winter: 04-05-2019	Autumn:13-12-2018 Winter: 17-05-2019
5. M.Sc. (IT)	12	2018-19	Autumn: 04-12-2018 Winter: 04-05-2019	Autumn:13-12-2018 Winter: 17-05-2019
6. M.Des. (CD)	14	2018-19	Autumn: 04-12-2018 Winter: 04-05-2019	Autumn:13-12-2018 Winter: 17-05-2019
7. Ph.D.	21	2018-19	Autumn: 04-12-2018 Winter: 04-05-2019	Autumn:13-12-2018 Winter: 17-05-2019

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Do not include re-evaluation/ re-totalling

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
~15	~1600	1%

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes

1. B.Tech. (ICT)
2. B.Tech. (Honours in ICT with minor in Computational Science)
3. M.Tech. (ICT)
4. M.Sc. (IT)
5. M.Des. (Communication Design)
6. Ph.D.

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage

01	B.Tech. (ICT)	238	232	97.48
01	B.Tech. (Honours in ICT	57	57	100
11	M.Tech. (ICT)	62	61	98.39
12	M.Sc. (IT)	113	110	97.35
14	M.Des. (CD)	7	7	100
21	Ph.D.	8	8	100

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the

Exit Feedback form questionnaire of 2018-19 (Annexure 2.7.1.A)

Analysis of Exit Feedback 2018-19 (Annexure 2.7.1.B)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 The institution provides seed money to its teachers for research,

Yes.......... No. .... if yes give details

Yes

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
Prof PS Kalyan Sasidhar	95,796	2018-19	1 YEAR

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year

Nationa/ International	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
International	Prof Yash Agrawal	Grant for Research Visit and prospective collaboration with Technical University of Munich (TUM), Germany, 2019	30 Mar 2019	Technical University of Munich (Germany)
National	Prof Manish Khare	Got Full Travel Support from DST, New Delhi to attend 20th International Conference on Image Analysis and Processing (ICIAP 2019), held in Trento, Italy	31 Jul 2019	Govt of India, DST

3.1.2 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of fellowship	Funding agency
JRF -7 RA -1	1-3 Years	SOTM –ISRO / DBLM-SERB MMSPD-DST-SERB / ICSSR

Sr.No.	Id Number	Name of Fellow	Designation	Project Incharge / Co-PI	Duration	Funding Agency	Relieving Date
1	201900101	Naitik Parekh	Junior Research Fellow	Yash Vasavada	01.02.19 to 31.01.20	SOTM-ISRO	31.03.20
2	201900102	Aarushi Dhami	Junior Research Fellow	Yash Vasavada	01.02.19 to 31.01.20	SOTM-ISRO	31.01.20
3	201900103	VISHWA VARDIWALE	Junior Research Fellow	Biswajit Mishra	12.04.19 to 11.04.20	DBLM-SERB	
4	201900104	Pratik Ghosh	Junior Research Fellow	Bhaskar Chaudhary	01.05.19 to 30.04.20	MMSPD-DST-SERB	
5	201900113	Tilak Nanavati	Junior Research Fellow	Yash Vasavada	15.07.19 to 14.07.20	DSPLM-ISRO	
6	201900114	Naimishi Gupta	Junior Research Fellow	Rajib Lochan Das	15.07.19 to 14.07.20	DSPLM-ISRO	
7	201800117	Nupur Jain	Junior Research Fellow	Biswajit Mishra	01.08.18 to 31.01.19	TDCSA-SAC-ISRO	18.02.19
8	201800118	Sonu Surati	Research Associate	Alka Parikh	24.09.18 to 30.09.19	MSMASP-ICSSR	30.04.19

3.2 Resource Mobilization for Research

3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects **(Above 20 lakh)**	3-5 Years	DST-SERB,DST GOI,SAC-ISRO	1,87,35,910	1,21,60,940
Minor Projects **(below 20 lakh)**	3 Year	SERB	18,30,000	2,75,000
Interdisciplinary Projects				
Industry sponsored Projects				
Projects sponsored by the University				
Students Research Projects *(other than compulsory by the University)*				
International Projects				

Any other(Specify)						
Total				20,565,910/-	12,435,940/-	

Year	Sr. No.	Project Code	Title	PI/ CO-PI	Agency	Total Sanctioned Amount (in INR)
Major Projects						
2018-2019	1 16.1.19	19/RESPOND-ISRO/YMV/DSBAB	Respond Project- Design and simulation of Beamforming Algorithms and Baseband Technologies for SATCOM	Prof Yash Vasavada	SAC-ISRO	2332000
	2 26.2.19	19/SERB/BSM/DBLM	A Device for Bed Load Measurement	Prof Biswajit Mishra	SERB/DST	7669200
	3 26.3.19	19/SERB/BHC/MMSPD	Multiscale and Simulation of complex plasma Dynamics during High power Millimer wave Breakdown	Prof Bhaskar Chaudhary	DST-SERB	2159740
	4 30.3.19	19/STDST/BSM/DFTEA	Design and Field Training Testing of an Energy Autonomous Internet of Things Enabled Cattle Estrus Detection Device Targetted for Resource Constrained Regions	Prof Biswajit Mishra Prof P.S. Kalayan Sashidhar	DST,GOI	3828970
	5 31.5.19	19/ISRO/RLD/DSPLM	Design and simulation of Physical Layer and Medium Access Control (IMAC) Layer Functionalities of Future Mobile Satellite Systems	Prof Rajib Lochan Das Prof Yash Vasavada	SAC-ISRO	2746000
Minor Projects						
	1 27.2.19	19/SERB/SVM/STARE	Teachers Association for Research Excellance (TARE)	Prof V Sunitha	SERB	1830000
3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years						
3.3 Innovation Ecosystem						

3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights **(IPR)** and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)
10X Challenge	DCEI	15th August 2018
Entrepreneur's Talk by Mr. Aslam Charania	DCEI	1st Oct. 2018
Tic-Tech-Toe'18	DCEI	5-7th Oct 2018
Women Entrepreneurship Program Launch	DCEI	5-7th Oct 2018
10X Challenge	DCEI	28th Sept. 2019
PyData Meet up	DCEI	18th January 2019
Vibrant Gujarat Summit 2019	DCEI	19th January 2019
Indradhanush Workshop	DCEI	9-10th february 2019
EDII Emprassario	EDII	Feb-19

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Avadhuta Antennaz Solutions (on Multi-Functional Compact Antenna Module for Smart Automotive Applications - Avadhuta Antennaẑ Solutions - My Vehicle, My Identity)	Pankaj Chaudhary, Hardik Patel, Prof. Sanjeev Gupta, Prof. Deepak Ghodgaonkar	Govt. of Gujarat (Industries and Mines Department)	12 October 2018	Grant Challenge under idea stage in Vibrant Gujarat Start-up and Technology Summit for exceptional innovative idea
Nextgen Technologies	Prof. Rutu Parekh	Govt. of Gujarat (Industries and Mines Department)	12 October 2018	Grant Challenge under idea stage in Vibrant Gujarat Start-up and Technology Summit for exceptional innovative idea

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
NIL		

Name of the Start-up	Nature of Start-up	Date of commencement
Energy harvesting Using IOT	SSIP (Student Start-up and Innovation Policy) -Rs. 1,98,660/-	22 November 2018
Smart Travel Bag	SSIP (Student Start-up and Innovation Policy) – Rs. 96,434/-	04 July 2018

3.4 Research Publications and Awards

3.4.1 PhDs awarded during the year

Name of the Department	No. of PhDs Awarded
ICT	11

Student Id	Student Name	Degree Awarded (12 January 2019)
201021010	Doshi Rameshkumar Jashwantlal	15th Convocation
201021015	Desai Nikita Sunil	15th Convocation
201121007	Nileshkumar Vaishnav	15th Convocation
201121011	Vasavada Tejas Mukeshbhai	15th Convocation
201121014	Chaudhari Payal Devendrabhai	15th Convocation
201221002	Padiya Trupti Jayantilal	15th Convocation
201221015	Jadeja Mahipal Prithvisinh	15th Convocation
201321002	Sailor Hardik Bhupendra	15th Convocation
201321003	Kamal Manharlal Captain	15th Convocation
201321005	Parth Mehta	15th Convocation
201321010	Koringa Purvi A.	15th Convocation

3.4.2 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National	ICT	1	
International	ICT	39	2.354

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
ICT	99

Publication Per Teacher : (99/63 = 1.57)

2018 Faculty Publications

Edited Books
1. Hemant A. Patil, Amy Neustein, and Manisha Kulshreshtha, Eds.,"Signal and Acoustic Modeling for Speech and Communication Disorders" Vol.5, Series: Speech Technology and Text Mining in Medicine and Health Care 5, Amy Neustein, Ed., Boston, MA: De Gruyter, 2018. ISBN: 10.1515/9781501502415

2. Prasenjit Majumder, Mandar Mitra, Parth Mehta and Jainisha Sankhavara, Eds., "Text Processing: FIRE 2016 International Workshop, Kolkata, India, 7-10 Dec. 2016, Revised Selected Papers" Cham, Switzerland: Springer International Publishing, 2018. doi: 10.1007/978-3-319-73606-8

Chapters in Book
1. Vishvajit Pandya and Madhumita Mazumdar, "'Dr. Kar I Presume!': 'Medical' Narratives from the Jarawa Tribal Reserve 126," in Locating the Medical: Explorations in South Asian History, Rohan Deb Roy and Guy N.A. Attewell, Eds., India: Oxford University Press, 4, Jan. 2018, pp 126-151. Isbn: 978-0199480197
2. Binita Desai and Nina Sabnani, "Pluralistic View of Indian Images: 2nd BCE to the 1990s," in History of Illustration, Susan Doyle, Jaleen Grove, Whitney Sherman, Eds., U.K: Fairchild Books, 22, Feb. 2018. Isbn: 9781501342110
3. Shrishail S. Gajbhar, and Manjunath V. Joshi, "Image Denoising using Tight-Frame Dual-Tree Complex Wavelet Transform," in Machine Intelligence and Signal Processing, M. Tanveer, and Ram Bilas Pachori, Eds., Singapore: Springer, 8, Aug. 2018, pp. 645-656. doi: 10.1007/978-981-13-0923-6_55
4. Hemant A. Patil, and Tanvina B. Patel, "Analysis of normal and pathological voices by novel chaotic titration method," in Signal and Acoustic Modelling for Speech and Communication Disorders, Hemant A. Patil, Amy Neustein, and Manisha Kulshetra, Eds., Berlin: De Gruyter, Dec. 2018, pp. 87-120. doi: 10.1515/9781501502415

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Books Reviews

1. Bharani Kollipara "Anders Odenstedt: Gadamer on Tradition: Historical Context and the Limits of Refection Springer, Cham, 2017" book review in Journal of Human Studies, pp. 1-8, 20 Feb. 2018. Doi: 10.1007/s10746-018-9459-7

3.4.4 Patents published/awarded during the year

Patent Details	Patent status Published/Filed	Patent Number	Date of Award
NIL	NIL	NA	NA

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations	
						Scopus	WoS
A theoretical prediction of rotating waves in Type-I hydraulic jumps	Ray A.K., Sarkar N., Basu A., Bhattacharjee J.K.	Physics Letters, Section A: General, Atomic and Solid State Physics	2018	Scopus & WoS	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat 382007, India; Max-Planck Institut für Physik Komplexer Systeme, Nöthnitzer Str. 38, Dresden, D-01187, Germany; Condensed Matter Physics Division, Saha Institute of Nuclear Physics, Calcutta, 700064, India; Department of Theoretical Physics, Indian		

					Association for the Cultivation of Science, Jadavpur, Kolkata, 700032, India		
A 46 nW power management unit with battery extender for solar energy harvesters using 0.18 μm CMOS	Patel P., Mishra B., Nagchoudhuri D.	Journal of Low Power Electronics	2018	Scopus	VLSI and Embedded Systems Research Group, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, 382007, India		
A case study on the application of case-based learning in software testing	Tiwari S., Saini V., Singh P., Sureka A.	ACM International Conference Proceeding Series	2018	Scopus	DAIICT, Gandhinagar, India; NIT, Jalandhar, India; Ashoka University, India		
A generative adversarial network for tone mapping HDR images	Patel V.A., Shah P., Raman S.	Communications in Computer and Information Science	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology Gandhinagar, Gandhinagar, Gujarat 382007, India; Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat 382007, India		
A hierarchical cyber physical system for integrated demand side management of power usage in buildings	Vasavada Y., Sasidhar P.S.K.	11th IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2017	2018	Scopus	DAIICT, Gandhinagar, India		
A modular approach for facial expression recognition using euler principal component analysis (e-PCA)	Sujata, Trivedi M., Mitra S.K.	Proceedings of 2018 IEEE Applied Signal Processing Conference, ASPCON 2018	2018	Scopus	DAIICT, Gandhinagar, India; Nirma University, Ahmedabad, India		

A Modular Approach for Facial Expression Recognition using HSOG	Sujata, Mitra S.K.	2017 9th International Conference on Advances in Pattern Recognition, ICAPR 2017	2018	Scopus	DAIICT, Gandhinagar, India		
A Multiresolution Approach for Content-Based Image Retrieval Using Wavelet Transform of Local Binary Pattern	Khare M., Srivastava P., Gwak J., Khare A.	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India; Department of Electronics and Communication, University of Allahabad, Allahabad, Uttar Pradesh, India; Department of Radiology, Biomedical Research Institute, Seoul National University Hospital, Seoul, 03080, South Korea	1	
A Multitemporal Linear Spectral Unmixing: An Iterative Approach Accounting for Abundance Variations	Bhatt J.S., Joshi M.V., Vijayashekhar S.S.	Workshop on Hyperspectral Image and Signal Processing, Evolution in Remote Sensing	2018	Scopus	Indian Institute of Information Technology, Vadodara, India; Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
A novel approach for abundance estimation using discontinuity preserving prior	Patel J.R., Joshi M.V., Bhatt J.S.	International Geoscience and Remote Sensing Symposium (IGARSS)	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India; Indian Institute of Information Technology, Vadodara, India		
A novel filtering-based F0 estimation algorithm with an	Shah N.J., Bachhav P.B., Patil H.A.	Proceedings - 9th Asia-Pacific Signal and Information	2018	Scopus	Speech Research Lab, DA-IICT, Gandhinagar, 382007, India; EURECOM, France		

application to voice conversion		Processing Association Annual Summit and Conference, APSIPA ASC 2017					
A novel implementation of 2D3V Particle-in-Cell (PIC) algorithm for kepler GPU Architecture	Shah H., Kamaria S., Markandeya R., Shah M., Chaudhury B.	Proceedings - 24th IEEE International Conference on High Performance Computing, HiPC 2017	2018	Scopus	Group in Computational Science and HPC, DA-IICT, Gandhinagar, India		
A report on the workshop on emerging sofware engineering education (WESEE 2018)	Singh P., Farooq S.U., Tiwari S.	ACM International Conference Proceeding Series	2018	Scopus	NIT, Jalandhar, India; University of Kashmir, India; DA-IICT, Gandhinagar, India		
A Unified Delay, Power and Crosstalk Model for Current Mode Signaling Multiwall Carbon Nanotube Interconnects	Agrawal Y., Kumar M.G., Chandel R.	Circuits, Systems, and Signal Processing	2018	Scopus & WoS	VLSI & Embedded Systems Research Group, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat 382 007, India; Department of Electronics and Communication Engineering, National Institute of Technology Hamirpur, Hamirpur, Himachal Pradesh 177 005, India	1	2
A Vector File Generation Program for Simulating Single Electron Transistor based Computing System	Patel R., Agrawal Y., Parekh R.	Proceedings of International Conference on 2018 IEEE Electron Device Kolkata Conference, EDKCON 2018	2018	Scopus	ISRO, DA-IICT, Space Applications Centre, Ahmedabad, India; Dhirubhai Ambani Institute of Information and Communication		

					Technology (DA-IICT), Gandhinagar, India		
A Wearable Device for Real-Time ECG Monitoring and Cardiovascular Arrhythmia Detection for Resource Constrained Regions	Mishra B., Arora N., Vora Y.	Proceedings of the 2018 8th International Symposium on Embedded Computing and System Design, ISED 2018	2018	Scopus	VLSI and Embedded Systems Research Group, DA-IICT, Gandhinagar, 382007, India		
Accelerated simulation of microwave breakdown in gases on Xeon Phi based cluster-application to self-organized plasma pattern formation	Chaudhury B., Gupta A., Shah H., Bhadani S.	Computer Physics Communications	2018	Scopus & WoS	Group in Computational Science and HPC, DA-IICT, Gandhinagar, 382007, India		
Accurate characterization of high power SSPA under multicarrier operation for satellite communications	Doshi R.J., Ghodgaonkar D., Bhardhwaj P.S., Singh D.K., Das D.K.	2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2017	2018	Scopus	Space Applications Centre, Indian Space Research Organization, Ahmedabad, 380015, India; Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, 382007, India		
Adaptive learning based directional MAC protocol for millimeter Wave (mmWave) Wireless networks	Tiwari P., Meena D.K., Pillutla A.S.	IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat 382007, India		
Adaptive Thermal Management Technique to Improve the	Doshi R.J., Ghodgaonkar D.	Journal of Heat Transfer	2018	Scopus & WoS	Space Applications Centre, ISRO, Ahmedabad, 380015, India; Dhirubhai Ambani Institute of Information		

					and Communication Technology, Gandhinagar, 382007, India		
Amplitude and phase calibration of antenna arrays	Vasavada Y., Reed J.H.	IEEE MTT-S International Microwave and RF Conference, IMaRC 2017	2018	Scopus	DA-IICT, Gandhinagar, India; Virginia Polytechnic Institute, State University, Blacksburg, VA, United States		
An efficient and novel FDTD method based performance investigation in high-speed current-mode signaling SWCNT bundle interconnect	Agrawal Y., Girish M., Chandel R.	Sadhana - Academy Proceedings in Engineering Sciences	2018	Scopus & WoS	VLSI and Embedded Systems Research Group, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Ganghinagar, 382 007, India; Department of Electronics and Communication Engineering, Vidya Jyoti Institute of Technology, Hyderabad, 500 075, India; Department of Electronics and Communication Engineering, National Institute of Technology Hamirpur, Hamirpur, Himachal Pradesh 177 005, India		2
An Efficient Crosstalk Model for Coupled Multiwalled Carbon Nanotube Interconnects	Kumar M.G., Chandel R., Agrawal Y.	IEEE Transactions on Electromagnetic Compatibility	2018	Scopus & WoS	Department of Electronics and Communication Engineering, National Institute of Technology, Hamirpur, 177005, India; Department of Information and Communication Technology, Dhirubhai Ambani Institute of Information and	2	4

					Communication Technology, Gandhinagar, 382007, India		
An Iterative Delay Chain based Impedance to Digital Converter using 0.18μm CMOS	Mishra B., Jigalur L.	Proceedings of the 2018 8th International Symposium on Embedded Computing and System Design, ISED 2018	2018	Scopus	VLSI and Embedded Systems Research Group, DA-IICT, Gandhinagar, 382 007, India		
Analysis of downsampling of DCT-graphs	Vaishnav N., Tatu A.	SPCOM 2018 - 12th International Conference on Signal Processing and Communications	2018	Scopus	DAIICT, Gandhinagar, India		
Analysis of performance of flat earth phase removal methods	Desai K., Joshi P., Chirakkal S., Putrevu D., Ghosh R.	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gujarat, India; Microwave Techniques Development Division, SAC, ISRO, Ahmedabad, India		
Auditing Access to Private Data on Android Platform	Maral V., Trivedi N., Das M.L.	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2018	Scopus	DA-IICT, Gandhinagar, India		
Auditory filterbank learning for temporal modulation features in replay spoof speech detection	Sailor H.B., Kamble M.R., Patil H.A.	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, 382007, India		

Auditory filterbank learning using ConvRBM for infant cry classification	Sailor H.B., Patil H.A.	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication (DA-IICT), Gandhinagar, 382007, India		
Automated Multiclass Diagnosis of Diabetic Retinopathy using Hierarchical Learning	Shrivastava U., Joshi M.V.	ACM International Conference Proceeding Series	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India		
Automatic detection and inpainting of defaced regions and cracks in heritage monuments	Padalkar M.G., Joshi M.V.	Digital Hampi: Preserving Indian Cultural Heritage	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Balancing on the edge, the golden ratio, the Fibonacci sequence and their generalization	Dutta G., Mehta M., Pathak P.	European Journal of Physics	2018	Scopus & WoS	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, 382007, India; SEAS, Ahmedabad University, Navrangpura, Ahmedabad, 380009, India; Homi Bhabha Center for Science Education, Tata Institute of Fundamental Research, Mankhurd, Mumbai, 400088, India		
Baseband I/Q regeneration method for direct conversion receiver to nullify effect of second order	Shah M., Gupta S.	IEEE MTT-S International Microwave and RF Conference, IMaRC 2017	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, 382007, India		

intermodulation distortion							
Biomedical document retrieval for clinical decision support system	Sankhavara J.	ACL 2018 - 56th Annual Meeting of the Association for Computational Linguistics, Proceedings of the Student Research Workshop	2018	Scopus	IRLP Lab, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India		
Capacity of a quantum memory channel correlated by matrix product states	Mulherkar J., Sunitha V.	Quantum Information Processing	2018	Scopus & WoS	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Change detection of polarimetric SAR data for monitoring of agricultural areas	Varia N., Davawala N., Chirakkal S., Haldar D., Ghosh R., Putrevu D.	ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India; Microwave Techniques Development Division, Space Applications Centre, ISRO, Ahmedabad, India; Indian Institute of Remote Sensing, Dehradun, India		
Classification of human actions using 3-D convolutional neural networks: A hierarchical approach	Thakkar S., Joshi M.V.	Communications in Computer and Information Science	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat 382007, India		
Classification of Polarimetrie Synthetic Aperture Radar Images Using	Gadhiya T., Roy A.K.	INDICON 2018 - 15th IEEE India Council International Conference	2018	Scopus	DA-IICT, Gandhinagar, India		

Revised Wishart Distance							
Color Image Super Resolution in Real Noise	Mandal S., Purohit K., Rajagopalan A.N.	ACM International Conference Proceeding Series	2018	Scopus	DA-IICT, Gandhinagar, Gujarat, India; Iit Madras Chennai, Tamil Nadu, India		
Combining evidences from detection sources for query-by-example spoken term detection	Madhavi M.C., Patil H.A.	Proceedings - 9th Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA ASC 2017	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), India		
Combining evidences from magnitude and phase information using VTEO for person recognition using humming	Patil H.A., Madhavi M.C.	Computer Speech and Language	2018	Scopus & WoS	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, India	1	1
Combining phase-based features for replay spoof detection system	Srinivas K., Das R.K., Patil H.A.	2018 11th International Symposium on Chinese Spoken Language Processing, ISCSLP 2018 - Proceedings	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, India; Department of Electrical and Computer Engineering, National University of Singapore, Singapore		
Combining Zernike moment and complex wavelet transform for human object classification	Khare M., Prakash O., Srivastava R.K.	International Journal of Computational Vision and Robotics	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, India; Centre of Computer Education, Institute of Professional Studies,		

					University of AllahabadUttar Pradesh, India; Department of Electronics and Communication, University of AllahabadUP, India		
Computational investigation of power efficient plasma-based reconfigurable microstrip antenna	Vyas H., Chaudhury B.	IET Microwaves, Antennas and Propagation	2018	Scopus & WoS	Group in Computational Science and HPC, DA-IICT, Gandhinagar, Gujarat 382007, India		1
Computing Theory Prime Implicates in Modal Logic	Raut M.K., Kokane T.V., Agarwal R.	Advances in Intelligent Systems and Computing	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, 382007, India		
Contemporary On-chip System Modeling using FDTD in Low Power Regime	Agrawal Y., Chandel R., Girish M., Parekh R.	IEEE Electrical Design of Advanced Packaging and Systems Symposium, EDAPS 2018	2018	Scopus	VLSI and Embedded Systems Research Group, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, 382 007, India; Department of Electronics and Communication Engineering, National Institute of Technology, Hamirpur, Himachal Pradesh, 177 005, India		
Content based weighted consensus summarization	Mehta P., Majumder P.	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		

Convolutional neural network with transfer learning for rice type classification	Patel V.A., Joshi M.V.	Proceedings of SPIE - The International Society for Optical Engineering	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Coupling and cohesion metrics for object-oriented software: A systematic mapping study	Tiwari S., Rathore S.S.	ACM International Conference Proceeding Series	2018	Scopus	DA-IICT, Gandhinagar, India; Thapar University, Patiala, India		
Cuffless blood pressure monitoring using PTT and PWV methods	Mishra B., Thakkar N.	International Conference on Recent Innovations in Signal Processing and Embedded Systems, RISE 2017	2018	Scopus	VLSI and Embedded Systems Research Lab, DAIICT, Gandhinagar, Gujarat, India		
DA-IICT/IIITV system for low resource speech recognition challenge 2018	Sailor H.B., Siva Krishna M.V., Chhabra D., Patil A.T., Kamble M.R., Patil H.A.	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, 382007, India; Indian Institute of Information Technology (IIIT), Vadodara, Gujarat, India		
Daiict-hildesheim @ information retrieval from microblogs during disasters (IRMIDIS 2018)	Fadaei N., Im C., Modha S., Mandl T.	CEUR Workshop Proceedings	2018	Scopus	Hildesheim University, Hildesheim, Germany; Dhirubhai Ambani- Institue of Information and Communication Technology, Gandhinagar, India		
Data Analysis in Multimedia Quality Assessment:	Narwaria M., Krasula L., Le Callet P.	IEEE Transactions on Multimedia	2018	Scopus & WoS	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar,		2

Revisiting the Statistical Tests						382007, India; LS2N/IPI Group, University of Nantes, Nantes, 44306, France	
Design and analysis of a flexible multifractal cantor antenna	Shah M., Gupta S.	2017 IEEE International Conference on Antenna Innovations and Modern Technologies for Ground, Aircraft and Satellite Applications, iAIM 2017	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India		
Design and fabrication of broadband microwave absorber using FSS embedded in CISR sheets	Vashisth R., Ghodgaonkar D., Gupta S.	IEEE MTT-S International Microwave and RF Conference, IMaRC 2018	2018	Scopus	RF and Wireless Laboratary, Dhirubhai Ambani Institute of Communication and Information Technology (DA-IICT), Gandhinagar, Gujarat, India		
Design and optimization of single electron transistor based 4-bit arithmetic and logic unit at room temperature operation	Joshi R., Parekh R., Agrawal Y.	Proceedings - 2017 IEEE International Symposium on Nanoelectronic and Information Systems, iNIS 2017	2018	Scopus	DA-IICT, Gandhinagar, India		
Design of an all-digital, low power time-to-digital converter in 0.18μm CMOS	Pokhara A., Agrawal J., Mishra B.	2017 7th International Symposium on Embedded Computing and System Design, ISED 2017	2018	Scopus	VLSI and Embedded Systems Research Group, DA-IICT, Gandhinagar, 382 007, India		

Design of biorthogonal wavelet filters of DTCWT using factorization of halfband polynomials	Gajbhar S.S., Joshi M.V.	Communications in Computer and Information Science	2018	Scopus	DA-IICT, Gandhinagar, Gujarat, India		
Design of compact circularly polarized rectangular dielectric resonator antenna with WBLC for navigational satellite applications	Chaudhary P., Ghodgaonkar D.K., Gupta S., Makwana G.D.	2017 IEEE International Conference on Antenna Innovations and Modern Technologies for Ground, Aircraft and Satellite Applications, iAIM 2017	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India; Electronics and Communication Department, Sankalchand Patel College of Engineering, Visnagar, Gujarat, India		
Design of mixture of GMMs for Query-by-Example Spoken Term Detection	Madhavi M.C., Patil H.A.	Computer Speech and Language	2018	Scopus & WoS	Electrical and Computer Engineering Department, National University of Singapore (NUS), Singapore; Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, India		
Designing mobile based computational support for low-literate community health workers	Shah H., Sengupta A.	International Journal of Human Computer Studies	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat 382010, India; Medical & Health Outreach, Vivekanand Tribal Hospital, Jagdalpur, Chattisgarh 494001, India		
Development of a modular and	Sajithra Varun S., Nagaraj R.	Proceedings - International	2018	Scopus	Dept of ECE, Oxford College of Engineering, Bangalore,		

optimum multisensor integration platform for navigation		Conference on Trends in Electronics and Informatics, ICEI 2017				India; Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India	
Digital heritage reconstruction using deep learning-based super-resolution	Madhu P.R., Joshi M.V.	Heritage Preservation: A Computational Approach	2018	Scopus	Joshi Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Downsampling on bipartite graphs: An algebraic perspective	Vishnav N., Tatu A.	2017 IEEE Global Conference on Signal and Information Processing, GlobalSIP 2017 - Proceedings	2018	Scopus	DA-IICT, Gandhinagar, India		
Dual Band Circularly Polarized Dielectric Resonator Antenna using DSWPD with Phase Shifter for IRNSS	Chaudhary P., Ghodgaonkar D.K., Gupta S., Shukla A.	RFM 2018 - 2018 IEEE International RF and Microwave Conference, Proceedings	2018	Scopus	RF and Wireless Group, DA-IICT, Gandhinagar, India; Communication Antenna Lab, SAC, ISRO, Ahmedabad, India		
Early detection of lung cancer from CT images: Nodule segmentation and classification using deep learning	Sharma M., Bhatt J.S., Joshi M.V.	Proceedings of SPIE - The International Society for Optical Engineering	2018	Scopus	Indian Institute of Information Technology, Vadodara, India; Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Effective aggregation of various summarization techniques	Mehta P., Majumder P.	Information Processing and Management	2018	Scopus & WoS	Dhirubhai Ambani Institute of Information and Communication Technology, Postal Address: IR&LP-Lab DA-IICT, Near Indroda Circle, Gandhinagar, Gujarat 382007, India; Dhirubhai Ambani Institute of	2	2

					Information and Communication Technology, Postal Address: 4209, FB-4, DA-IICT, Near Indroda Circle, Gandhinagar, Gujarat 382007, India		
Effectiveness of dynamic features in Inca and temporal context-inca	Shah N.J., Patil H.A.	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, 382007, India		
Effectiveness of generative adversarial network for non-audible murmur-to-whisper speech conversion	Shah N., Shah N.J., Patil H.A.	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Effectiveness of speech demodulation-based features for replay detection	Kamble M.R., Tak H., Patil H.A.	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, India		
Efficient vehicle accident detection system using tensorflow and transfer learning	Borisagar P., Agrawal Y., Parekh R.	2018 International Conference on Networking, Embedded and Wireless Systems, ICNEWS 2018 - Proceedings	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Near Indroda Circle, Gandhinagar, Gujarat, India		

Extraction of Professional Details from Web-URLs using DeepDive	Vyas A., Kadakia U., Jat P.M.	Procedia Computer Science	2018	Scopus	Aditya Vyas, DAIICT, Gandhinagar, Gujarat, 382007, India; Urmil Kadakia, DAIICT, Gandhinagar, Gujarat, 382007, India		
Family of Constrained Codes for Archival DNA Data Storage	Limbachiya D., Gupta M.K., Aggarwal V.	IEEE Communications Letters	2018	Scopus & WoS	Laboratory of Natural Information Processing, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, 382007, India; School of Industrial Engineering, Purdue University, West Lafayette, IN 47907, United States		4
Fast Private License Plate Matching Using Symmetric Homomorphic Encryption	Vaishnav H., Mathuria A.	International Symposium on Advanced Networks and Telecommunication Systems, ANTS	2018	Scopus	DA-IICT Gandhinagar, India		
Feature extraction from temporal phase for speaker recognition	Gandhi A., Patil H.A.	SPCOM 2018 - 12th International Conference on Signal Processing and Communications	2018	Scopus	Amnex Infotechnologies Pvt. Ltd., Ahmedabad, India; Dhirubhai Ambani Institute of Information and Communication Technolgy, Gandhinagar, India		
Fredholm integral equation technique for hydroelastic analysis of a floating flexible porous plate	Koley S., Mondal R., Sahoo T.	European Journal of Mechanics, B/Fluids	2018	Scopus & WoS	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, 382007, India; Institute for Turbulence-Noise-Vibration Interaction and Control, Shenzhen Graduate School,		2

					Harbin Institute of Technology, Shenzhen, China; Department of Ocean Engineering and Naval Architecture, Indian Institute of Technology, Kharagpur, 721302, India		
Fuzzy integrated desertification vulnerability model	Dave V.A., Sur K.	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India; Anand Agricultural University, Anand, Gujarat, India		
GaAs MMIC low noise amplifier with integrated high-power absorptive receive protection switch	Rao C.V.N., Ghodgaonkar D.K., Sharma N.	IEEE Microwave and Wireless Components Letters	2018	Scopus & WoS	Space Applications Centre, Indian Space Research Organisation, Ahmedabad, 380015, India; Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, 382007, India		1
Gadamer on Tradition: Historical Context and the Limits of Reflection	Kollipara, Bharani	HUMAN STUDIES	2018	WoS	Dhirubhai Ambani Institute of Information and Communication Technology		
GPU based Computational Simulation of Aircraft Evacuation: Temporal and Spatial Analysis	Poudel M., Chaudhury B., Sharma K., Tabakov P.Y., Mora-Camino F.	Transportation Research Procedia	2018	Scopus	DUT, Durban, South Africa; DA-IICT, Gandhinagar, 382007, India; ENAC, Toulouse, France	2	
High power test set up: From trolley to table top	Doshi R.J., Parekh V.D., Patil A.N.,	Proceedings of the 2nd International Conference on Communication and	2018	Scopus	Space Applications Centre, Indian Space Research Organization, Ahmedabad, India; Dhirubhai Ambani Institute of Information		

	Ghodagaonkar D.	Electronics Systems, ICCES 2017			and Communication Technology, Gandhinagar, India		
Human action recognition using fusion of features for unconstrained video sequences	Patel C.I., Garg S., Zaveri T., Banerjee A., Patel R.	Computers and Electrical Engineering	2018	Scopus & WoS	Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, India; Electronics & Communication Engineering, Institute of Technology, Nirma University, Ahmedabad, India; DA-IICT, Gandhinagar, India; BVM Engineering College, Vallabh Vidyanagar, India	3	5
Human detection in complex real scenes based on combination of biorthogonal wavelet transform and Zernike moments	Prakash O., Gwak J., Khare M., Khare A., Jeon M.	Optik	2018	Scopus & WoS	Centre of Computer Education, Institute of Professional Studies, University of Allahabad, Allahabad, India; Seoul National University Hospital, Seoul, South Korea; Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India; Department of Electronics and Communication, University of Allahabad, Allahabad, India; School of Electrical Engineering and Computer Science, Gwangju Institute of Science and Technology, Gwangju, South Korea		
Image compression using 2D-discrete wavelet transform	Jain N., Singh M., Mishra B.	Proceedings of the IEEE International	2018	Scopus	VLSI and Embedded Systems Research Group, Dhirubhai Ambani Institute		

on a light weight reconfigurable hardware		Conference on VLSI Design				of Information and Communication Technology, Gandhinagar, Gujarat 382007, India	
Impact of canal irrigation on agriculture in Halvad block of Gujarat using remote sensing and GIS technology	Yadav M.K., Ghosh R., Sahu K.C., Kalubarme M.H.	Proceedings - 2017 IEEE Technological Innovations in ICT for Agriculture and Rural Development, TIAR 2017	2018	Scopus	Aga Khan Rural Support Programme (India), Dangs, Gujarat, India; Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, India; Commissionerate of Rural Development, Govt of Gujarat, Gandhinagar, Gujarat 382010, India; Bhaskaracharya Institute for Space Applications and Geo-informatics (BISAG), Gandhinagar, Gujarat, India		
Improved directionally driven self-regulating particle swarm optimizer	Jariwala S.	Communications in Computer and Information Science	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Improving the efficiency of solid-state power amplifier by frequency switching for satellite communication	Doshi R.J., Ghodgaonkar D.	International Journal of Satellite Communications and Networking	2018	Scopus & WoS	Space Applications Centre, Indian Space Research Organization, Ahmedabad, India; Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, India		
Information extraction from wikipedia articles using DeepDive	Ameta D., Jat P.M.	Proceedings - 2018 International Conference on Communication, Information and	2018	Scopus	Information and Communication Technology, DA-IICT, Gandhinagar, India		

		Computing Technology, ICCICT 2018					
Integrated acquisition and tracking scheme for channel estimation in millimeter wave wireless networks	Pillutla L.S., Annavajjala R.	IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat 382007, India; Northeastern University, Boston, MA, United States		
Iterative channel and symbol estimation for OFDM and for SIMO diversity	Vasavada Y.M., Beex A., Reed J.H.	SPCOM 2018 - 12th International Conference on Signal Processing and Communications	2018	Scopus	DA-IICT, Gandhinagar, Gujarat, India; Virginia Polytechnic Institute, State University, Blacksburg, VA 24060, United States		
Judgement of learning for metacognitive type-2 fuzzy inference system	Mahajan K.	Communications in Computer and Information Science	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India		
Let's HPC: A web-based platform to aid parallel, distributed and high performance computing education	Chaudhury B., Varma A., Keswani Y., Bhatnagar Y., Parikh S.	Journal of Parallel and Distributed Computing	2018	Scopus & WoS	Group in Computational Science and HPC, DA-IICT, Gandhinagar, India; DA-IICT, Gandhinagar, India	1	3
Lie bodies based 3D shape morphing and interpolation	Bansal S., Tatu A.	Proceedings - CVMP 2018: 15th ACM SIGGRAPH European Conference on Visual Media Production	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, India		
Lie Bodies Based Deformation Transfer	Bansal S., Tatu A.	ACM International Conference Proceeding Series	2018	Scopus	DA-IICT, Gandhinagar, India		

Low Power Management Unit with Load Regulation using DC-DC Switched Capacitor Converters in 0.18μm CMOS	Patel P., Mishra B.	Proceedings of the 2018 8th International Symposium on Embedded Computing and System Design, ISED 2018	2018	Scopus	VLSI and Embedded Systems Research Group, DA-IICT, Gandhinagar, 382007, India		
MMIC high power transmit/receive switches with integrated low noise amplifiers using GaAs and GaN Processes	Rao C.V.N., Ghodgaonkar D.K., Sinha P., Jyoti R.	IEEE MTT-S International Microwave and RF Conference, IMaRC 2018	2018	Scopus	Space Applications Centre, ISRO, Ahmedabad, India; DA-IICT, Gandhinagar, India		
Modeling and simulation of 1/f noise during threshold switching for phase change memory	Parekh R., Baghini M.S., Rajendran B.	Lecture Notes in Electrical Engineering	2018	Scopus	DA-IICT, Gandhinagar, India; IIT-Bombay, Powai, Mumbai, India; New Jersey Institute of Technology, Newark, NJ, United States		
Multivariate generalized Gram-Charlier series in vector notations	Dharmani, Bhaveshkumar C.	JOURNAL OF MATHEMATICAL CHEMISTRY	2018	WoS	Dhirubhai Ambani Institute of Information and Communication Technology		
Multivariate generalized Gram–Charlier series in vector notations	Dharmani B.C.	Journal of Mathematical Chemistry	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Multivariate-data-visualization-based investigation of projectiles in sports	Shah A., Chauhan Y., Patel P., Chaudhury B.	European Journal of Physics	2018	Scopus & WoS	Group in Computational Science and HPC, DA-IICT, Gandhinagar, 382007, India		
Narrow Band Jamming Detection & Filtering in	Prakash C., Vasavada Y.	2018 IEEE International Conference on	2018	Scopus	Space Application Centre, Indian Space Research Organization, Ahemdabad,		

Satellite Transponder		Electronics, Computing and Communication Technologies, CONECCT 2018			India; DAIICT, Gandhinagar, Gujarat, India		
Noise removing filters and its implementation on FPGA	Mishra A.S., Parekh R.	Lecture Notes in Electrical Engineering	2018	Scopus	DA-IICT, Gandhinagar, India		
Novel amplitude weighted frequency modulation features for replay spoof detection	Kamble M.R., Patil H.A.	2018 11th International Symposium on Chinese Spoken Language Processing, ISCSLP 2018 - Proceedings	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, 382007, India		
Novel demodulation-based features using classifier-level fusion of GMM and CNN for replay detection	Kamble M.R., Tak H., Siva Krishna M.V., Patil H.A.	2018 11th International Symposium on Chinese Spoken Language Processing, ISCSLP 2018 - Proceedings	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, India; Indian Institute of Information Technology (IIIT), Vadodara, Gujarat, India		
Novel empirical mode decomposition cepstral features for replay spoof detection	Tapkir P.A., Patil H.A.	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Novel Energy Separation Based Frequency Modulation Features for	Kamble M.R., Patil H.A.	2017 9th International Conference on Advances in Pattern	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication		

Spoofed Speech Classification		Recognition, ICAPR 2017			Technology (DA-IICT), Gandhinagar, India		
Novel high q coaxial resonator filter for millimeter wave application	Dad V.K., Gupta S.	IEEE MTT-S International Microwave and RF Conference, IMaRC 2017	2018	Scopus	DA-IICT, Gandhinagar, India		
Novel linear frequency residual cepstral feature for replay attack detection	Tak H., Patil H.A.	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, India		
Novel variable length energy separation algorithm using instantaneous amplitude features for replay detection	Kamble M.R., Patil H.A.	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, India		
Object Identify Using Electrical Impedance Tomography Technique for Industrial Application	Kumar R., Kumar S., Sengupta A.	ICSCCC 2018 - 1st International Conference on Secure Cyber Computing and Communications	2018	Scopus	Instrumentation Control Engineering Department, B. R. Ambedkar National Institute of Technolog, Jalandhar, India; DA-IICT, Gandhi Nagar, Gujrat, India		
On DNA Codes using the Ring Z4 + wZ4	Limbachiya D., Benerjee K.G., Rao B., Gupta M.K.	IEEE International Symposium on Information Theory - Proceedings	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, India; University of Florida, Florida, United States		
On the convergence of INCA algorithm	Shah N.J., Patil H.A.	Proceedings - 9th Asia-Pacific Signal and Information	2018	Scopus	Speech Research Lab, Dhirubhai Ambani Insititute of Information and		

		Processing Association Annual Summit and Conference, APSIPA ASC 2017			Communication Technology (DA-IICT), Gandhinagar, 382007, India		
On the deep structure of ragas and analytic rating of music scores	Mandal S., Chaudhuri S., Da Costa A.A.B., Karambelkar G., Dasgupta P.	Heritage Preservation: A Computational Approach	2018	Scopus	Department of Computer Science, Indian Institute of Technology Kharagpur, Kharagpur, India; Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India; Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur, Kharagpur, India		
On the Security of Remote Key Less Entry for Vehicles	Patel J., Das M.L., Nandi S.	International Symposium on Advanced Networks and Telecommunication Systems, ANTS	2018	Scopus	DA-IICT, Gandhinagar, India; IIT Guwahati, Assam, India		
ONPPn: Orthogonal Neighborhood Preserving Projection with Normalization and its applications	Koringa P.A., Mitra S.K.	Image and Vision Computing	2018	Scopus & WoS	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Optimized Wishart Network for an Efficient Classification of Multifrequency PolSAR Data	Gadhiya T., Roy A.K.	IEEE Geoscience and Remote Sensing Letters	2018	Scopus & WoS	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, 382007, India		

Performance evaluation of memory guided directional MAC protocol in the presence of relays	Mudliar S., Pillutla L.S.	11th IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2017	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, 382007, India	1	
Permittivity and Permeability Measurements of CISR sheets for Microwave Absorber Applications	Vashisth R., Ghodgaonkar D., Gupta S.	RFM 2018 - 2018 IEEE International RF and Microwave Conference, Proceedings	2018	Scopus	RF and Wireless Lab, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gujarat, India		
Perusal of web application security approach	Hasan A.M., Meva D.T., Roy A.K., Doshi J.	ICCT 2017 - International Conference on Intelligent Communication and Computational Techniques	2018	Scopus	Marwadi University, Rajkot, Gujarat, India; Marwadi Education Foundation's Group of Institutions, Rajkot, India; Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagat, India; L.J Institute of Computer Application, Ahmedabad, Gujarat, India		
Preeminent Buffer Insertion Technique For Long Advanced On-Chip Graphene Interconnects	Pathade T., Shah U., Agrawal Y., Parekh R.	IEEE Electrical Design of Advanced Packaging and Systems Symposium, EDAPS 2018	2018	Scopus	VLSI and Embedded Systems Research Group, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, 382 007, India		
Preface	Majumder P., Mitra M., Mehta P., Sankhavara J.	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence	2018	Scopus & WoS	DAIICTGujarat, India; Indian Statistical Institute, Kolkata, India		

		and Lecture Notes in Bioinformatics)					
Printed Gujarati character classification using high-level strokes	Goswami M.M., Mitra S.K.	Advances in Intelligent Systems and Computing	2018	Scopus	Department of IT, Faculty of Technology, D. D. University, Nadiad, India; Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Priority based functional group identification of organic molecules using machine learning	Nalla R., Pinge R., Narwaria M., Chaudhury B.	ACM International Conference Proceeding Series	2018	Scopus	Group in Computational Science, HPC DA-IICT, Gandhinagar, India		
Privacy-preserving services in VANET with misbehavior detection	Parikh N., Das M.L.	11th IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2017	2018	Scopus	DA-IICT, Gandhinagar, India		
Public Toilet Hygiene Monitoring and Reporting System	Chandra S., Srivastava S., Roy A.	Proceedings of IEEE Sensors	2018	Scopus	DA-IICT, Gandhinagar, India		
Query Processing for Streaming RDF Data	Sha R., Pandat A., Bhise M.	2018 IEEE International WIE Conference on Electrical and Computer Engineering, WIECON-ECE 2018	2018	Scopus	Distributed Database Group, DA-IICT, Gandhinagar, India		
Recursive network with explicit	Shaikh M.K., Joshi M.V.	SPCOM 2018 - 12th International Conference on Signal	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication		

neighbor connection for image captioning		Processing and Communications				Technology, Gujarat, Gandhinagar, India	
Relay based wireless networks with joint modulation, power allocation and relay selection	Baghel S., Pillutla L.S.	11th IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2017	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, 382007, India		
Reliability improvement technique of GaN SSPA for geo synchronous satellites	Doshi R.J., Ghodagaonkar D.	2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2017	2018	Scopus	Space Applications Centre, Indian Space Research Organization, Ahmedabad, India; Dhirubhai Ambani Institute of Information and Communications Technology, Gandhinagar, India		
Scattering of surface gravity waves over a pair of trenches	Kar P., Koley S., Sahoo T.	Applied Mathematical Modelling	2018	Scopus & WoS	Department of Ocean Engineering and Naval Architecture, Indian Institute of Technology Kharagpur, India; Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		7
Scene-change detection using locality preserving projections	Patel L., Patel K., Koringa P.A., Mitra S.K.	Proceedings of 2018 IEEE Applied Signal Processing Conference, ASPCON 2018	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, 382007, India		
Securing wireless sensor networks with public key techniques	Kumar V., Das M.L.	Ad-Hoc and Sensor Wireless Networks	2018	Scopus & WoS	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, 382007, India	1	

Security Vulnerability Analysis using Ontology-based Attack Graphs	Falodiya K., Das M.L.	2017 14th IEEE India Council International Conference, INDICON 2017	2018	Scopus	DA-IICT, Gandhinagar, India		
Semi-frames and Fusion Semi-frames	Sahu N.K., Mohapatra R.N.	Communications in Computer and Information Science	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India; Department of Mathematics, University of Central Florida, Orlando, United States		
Sensor Based Hand Gesture Recognition System for English Alphabets Used in Sign Language of Deaf-Mute People	Jani A.B., Kotak N.A., Roy A.K.	Proceedings of IEEE Sensors	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India; Marwadi University, Rajkot, Gujarat, India		
Shadow-Free, Expeditious and Precise, Moving Object Separation from Video	Domadiya P., Shah P., Mitra S.K.	International Journal of Image and Graphics	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat 382007, India; Indian Institute of Information Technology Vadodara (IIITV), Gandhinagar CampusGujarat 382028, India		
Significance of Higher-Order Spectral Analysis in Infant Cry Classification	Chittora A., Patil H.A.	Circuits, Systems, and Signal Processing	2018	Scopus & WoS	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		1
SNR wall for cooperative spectrum sensing	Captain K.M., Joshi M.V.	2018 10th International Conference on	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication		

		Communication Systems and Networks, COMSNETS 2018			Technology, Gujarat, 382007, India		
using generalized energy detector							
Sub-band Autoencoder features for Automatic Speech Recognition	Soni M.H., Sharma M., Sailor H.B., Patil H.A.	2017 9th International Conference on Advances in Pattern Recognition, ICAPR 2017	2018	Scopus	DA-IICT, Gandhinagar, India		
Teaching requirements engineering concepts using case-based learning	Tiwari S., Ameta D., Singh P., Sureka A.	Proceedings - International Conference on Software Engineering	2018	Scopus	DA-IICT, Gandhinagar, India; NIT Jalandhar, India; Ashoka University, India; Mälardalen University, Sweden		
Techniques to reduce the cost of the satellite base solutions	Doshi R.J., Ghodagaonkar D.	Proceedings of the 2nd International Conference on Communication and Electronics Systems, ICCES 2017	2018	Scopus	Space Applications Centre, Indian Space Research Organization, Ahmadabad, India; Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Time-Frequency Masking-Based Speech Enhancement Using Generative Adversarial Network	Soni M.H., Shah N., Patil H.A.	ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India		
Toward better statistical validation of machine learning-based multimedia quality estimators	Narwaria M.	IEEE Transactions on Broadcasting	2018	Scopus & WoS	Department of ICT, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, 382007, India	2	2

Two Stage Zero-resource Approaches for QbE-STD	Madhavi M.C., Patil H.A.	2017 9th International Conference on Advances in Pattern Recognition, ICAPR 2017	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), India		
Unsupervised Filterbank Learning for Speech-based Access System for Agricultural Commodity	Sailor H.B., Patil H.A., Rajpal A.	2017 9th International Conference on Advances in Pattern Recognition, ICAPR 2017	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar , Gujarat, 382007, India; Indian Institute of Science (IISc), Bangalore, India		
Unsupervised vocal tract length warped posterior features for non-parallel voice conversion	Shah N.J., Madhavi M.C., Patil H.A.	Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH	2018	Scopus	Speech Research Lab, DA-IICT, Gandhinagar, 382007, India; Electrical and Computer Engineering Department, National University of Singapore, Singapore	1	
Use of ICT on village development plan (VDP)	Sahu K.C., Ghosh R.	Proceedings - 2017 IEEE Technological Innovations in ICT for Agriculture and Rural Development, TIAR 2017	2018	Scopus	Commissionerate of Rural Development (CRD), Govt. of Gujarat, Gandhinagar, Gujarat 382010, India; Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, India		
Vector Graph Representation for Deformation Transfer Using Poisson Interpolation	Domadiya P., Shah P., Mitra S.K.	Proceedings - 2018 IEEE Winter Conference on Applications of Computer Vision, WACV 2018	2018	Scopus	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India; Indian Institute of Information Technology, Vadodara, India		

3.4.6 h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)
h-index for institute for the year 2019 For Scopus is 33 and Web of Science 21

Title of the papers with number of citations exluding self citations as per above point 3.4.5

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	19	10	2	Nil
Presented papers	3	Nil	Nil	Nil
Resource Persons	Nil	Nil	Nil	nil

Sr. No.	Conference Date	Teacher	Sanctioned Support Amount (Rs.)	Conference Name
1.	15 Apr 2018	Bhaskar Chaudhury	2690	IEEE membership
2.	13 Jan 2018	mv Joshi	33026	COMSNETS 2018
3.	13 - 24 Jun 2018	Manish Kumar Gupta	101534	Paper presentation
4.	10 Aug 2018	Maniklal Das	25000	Paper pre IEEE Journal
5.	8-10 Sep 2018	Hemant Patil	55105	Paper pre in AIPSPA USA
6.	3-5 Dec 2018	Amit Bhatt	18642	conf travel exp RISC-V, CA
7.	10 Aug 2018	P Majumder	11000	meeting exp at Min of EI
8.	24-26 Oct 2018	Ranendu Ghosh	4030	AFITA/WCCA 2018
9.	27-30 Nov 2018	Manish Gupta	10363	indian math society, Katra Unv, jammu
10.	5 Dec 2018	Maniklal Das	8261	IEEE membership 2019
11.	7-9 Dec 2018	Suman K Mitra	13000	ASPCON 2018 Jadavpur Uni, Kolkatta
12.	8-12 Oct 2018	Manish Gupta	15000	DNA 24 International conference, Jinan, China
13.	12 Dec 2018	Manik lal Das	5439	Indo france proj conf
14.	12 Dec 2018	Manik lal Das	25000	Indo france proj conf
15.	12-15 Nov 2018	Hemant Patil	100000	APSIPA AEC 2018, Honululu, USA
16.	17-19 Dec 2018	Sanjeev Gupta	41000	RFM 2018 (Pankaj C), Malasiya
17.	17-19 Dec 2018	Deepak Ghodgaonkar	41000	RFM 2018 (Pankaj C), Malasiya
18.	17-19 Dec 2018	Deepak Ghodgaonkar	82000	RFM 2018 (Pankaj C), Malasiya
19.	16-18 Dec 2018	Yash Agarwal	10521	IEEE EDAPS Conf regn
20.	16-18 Dec 2018	Yash Agarwal	5000	regn fee Urmi Shah
21.	13-15 Dec 2018	Biswajit Mishra	3814	REGN FEE ISED, Cochin, India
22.	13-15 Dec 2018	Biswajit Mishra	4559	Travel ticket expense. ISED, Cochin,
23.	29-31 DEC 2018	MV Joshi	18642	Regn for ICV IP, Hongkong,SAR, China
24.	13-15 Dec 2018	Biswajit Mishra	12525	REGN FEE ISED, Cochin, India

25.	13-15 Dec 2018	Biswajit Mishra	16495	REGN FEE ISED, Cochin, India
26.	18 Dec 2018	Aditya Tatu	35000	to support scholar attend conf - Sumukh
27.	15 Feb 2019	Shweta Garg	5208	To purchase online editing tool
28.	25-28 Feb 2018	Sanjeev Gupta	8242	NCC2018 B'lore Feb 19 (Rahul Chauhan)
29.	10 Mar 2018	R Ghosh	6000	for Btech student Sri kumar
30.	10 Mar 2018	R Ghosh	6000	for Btech student Arnav
31.	15-17 Sep 2018	Sanjay Srivastava	27843	Regn and travel exp. IEEE CB
32.	28 Mar 2019	Prasenjit Majumder	15602	travel expense to attend Niti ayog GOI
33.	6 Apr 2019	Amit Bhatt	280000	For tour to US FRANCE visa/travel
34.	10 Apr 2019	Sanjeev Gupta	1404	IEEE Anteena and Propagation

3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)		
			Amt Received	Expense	Surplus Amt
Prof Manish Gupta	Workshop Adma		1,213,766.05	1,231,902.00	(18,135.95)
Prof Manik Lal Das	Workshop Block Chain		225,972.00	199,966.00	26,006.00
Prof. M.V. Joshi	FACTSET		796,000.00	779,870.00	16,130.00
Prof. Ranendu Ghosh	Junagadh Agri Uni-Refresher Course		738,000.00	427,735.00	310,265.00
	Junagarh Agri Uni-Machine Learning		476,000.00	287,000.00	189,000.00
	SAC ISRO Machine Learning		582,625.00	280,063.00	302,562.00
Prof. Prasenjeet	WORKSHOP FIRE		419,000.00	403,870.00	15,130.00
Prof. Yash Vasavada	WORKSHOP Winter School 5 G		140,300.00	182,938.00	(42,638.00)

3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Service Oriented Architecture (SOA) with Cloud technology	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		9

DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - VLSI front end design flow using Cadence tools	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		16
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Analysis and Design of Algorithm	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		12
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Digital Signal Processing	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.	The Center for Entrepreneurship Development, Department of Industries and Mines, Government of Gujarat selected DA-IICT as an 'Anchor Institute' in the specialization area of Information and Communication Technology. The objective of the Anchor Institute Program (AIP) is to achieve the ultimate goal of making students of Gujarat 'industry ready' through well-trained faculty members of Gujarat based engineering colleges. Faculty members of colleges are trained. This is a grant based program, where grant of 2.50cr is received out of which 1.80cr is spent for constructing a training centre at DAIICT. No income is generated under this program.	7
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - A practical approach to learn Computer Networks	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		25
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Selected Topics in Operating Systems	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		8
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Device Modeling and Circuit Simulation for Integrated Circuit Designs	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		6
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Selected Topics in Operating Systems	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		8
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Digital and Analog Communication Systems	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		8
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Image Processing using VLSI Architectures	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		5
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Multicore Processor	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		7

	Architecture & Parallel Programming			
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Data Structures	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		8
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Innovations in teaching Software Engineering & Programming Courses	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		6
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Advanced .NET and C#	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		5
DA-IICT & CED (The Centre For Entrepreneurship Development)	Anchor Institute Program - Real-time and Embedded Systems	GEC Modasa, GEC Bhavnagar, Marwadi University Rajkot, CSPIT Changa, SCET Surat.		8
Prof. Ranendu Ghosh	Summer Course on Analytics in Agriculture	Junagadh Agricultural University	Income: 738000.00 Expenditure: 427735.00	35
Prof. Hemant Patil	Summer School on Speaker Recognition and Diarization	ISCA, DE Gruyter, Reliance Communications, APSIPA		65
Prof. Hemant Patil	Summer School on Speech Production (S4P-2018)	APSIPA		75
Prof. Suman Mitra	CEP on Machine Learning for Data Mining	SAC(ISRO)	Income: 582625.00 Expenditure: 280063.00	22

3.6 Extension Activities

3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
	Ajeet Rural Development Foundation		1
	Akshaya Patra		1
Education, superstition & Medical Treatment	Apna Ghar Ashram		5
Cleanliness & Helping in Medical Camp	Aryasamaj, Visavadar		10
	Blind People's Association		1
	Bolbala Charitable trust		1
Waste management to create awareness.	Educare India		15
	ESI Sughad		1
	GKSM Trust, Kamrej		1
	GKSM Trust, Vyara		1
	Gramin Sewa Ashram, Himachal Pradesh		1
	HiFEED, Dehradun		1
	Incredible Himachal Pradesh		1
	Ishwar Gram Vikas Trust,		1
	Patan J.V Naria, Jamnagar		1
Education, mental health and de-addiction.	Kasturba Sevashram		6
Upliftment of the under-developed, marginalised and deprived communities of Uttarakhand.	Parvatiya Jan Kalyan Sansthan		12
	People's Welfare Society, Junagadh		1
	PNR Society		1
1) SKY - School for Kids by	Pratibha Foundation		13

Youth 2) SWWA - Self Welfare Women Association			
	Rajasthan Mahila Kalyan Mandal Sanstha, Ajmer		6
	Seven Sisters Development Assistance (SeSTA) Shiv		1
	Shiksha Samita Ranoli		1
Teaching basic math, English and an introduction to computer to primary school kids	Shree Mateshwari Vikas Seva Samiti		2
Upliftment of the underprivileged in rural areas.	SUTRA-Social Upliftment Through Rural Action		15
an insight of the lives of the under-privileged.	Tagore Society for Rural Development, West Bengal		9
	Tara Sansthan, Udaipur		1
Special school for the children with intellectual disabilities,	UMA EDUCATIONAL AND TECHNICAL SOCIETY, AP		5
	Vanvasi Kalyan Ashram, Ahmedabad		1
	VRTI, Bhavnagar		1
Bettering the lives of the underprivileged children: education and hygiene.	Yuva Unstoppable		5

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
NIL			

3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated in such activities	Number of students participated in such activities
Rural Internship	DAIICT and NGOs all over India	Rural Internship: B.Tech second year students as part of their curriculum undertake a 3 week winter internship during the month of Dec at various NGOs. They get involved in extension activities such as conducting awareness camps, surveys, educating school students on basic mathematics, science and computer usage.	3 DAIICT faculty	320

3.7 Collaborations

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
Undertaken a research internship at the Viterbi School of Engineering, California, USA	Omkar Damle (BTech student)	Viterbi-India Program.	May-July 2018
Participated at the prestigious Grace Hopper Celebration Conference 2018 held at Houston, USA.	Ms. Jinal Parikh, (BTech Student)	Travel grant by Google	28 Dec 2018
Invited as a Fellow at the Institute for Pure and Applied Mathematics (IPAM), UCLA for its Spring 2019 Program on Geometry and Learning from Data in 3D and Beyond	Sumukh Bansal (PhD Student)	UCLA (University of California, Los Angeles), USA	11 Mar – 14 Jun 2019

3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/industry/research lab with contact details	Duration (From-To)	Participant
Summer intern	Summer intern	SPRINKLR Solutions pvt ltd Ramya Gangula/Vinti agrawal ramya.gangula@sprinklr.com	Mid May -Mid July	14

Summer intern	Summer intern	Morgan Stanley advantage services pvt ltd Aadhar Bhalinge Aadhar.Bhalinge@morganstanley.com	Mid May -Mid July	5
Summer intern	Summer intern	DEUTECHE BANK Swapna Varun Shilpa Shetty swapna.varun@db.com Shilpa Shetty@DB.COM	Mid May -Mid July	11
Summer intern	Summer intern	Goldman Sachs Amina Arifulla Amina.Arifulla@gs.com	Mid May -Mid July	2
Summer intern	Summer intern	Kristal.ai Mubarak Begum mubarak@kristal.ai	Mid May -Mid July	2
Summer intern	Summer intern	Amazon Development Center India Pvt. Ltd. Makankshi Agarwal makanksa@amazon.com	Mid May -Mid July	12
Summer intern	Summer intern	Pivoting Softwares Pvt. Ltd. (Gridle) Jeel Langadia jeel_langadia@gridle.io	Mid May -Mid July	3
Summer intern	Summer intern	ENDURANCE INTERNATIONAL GROUP Angela John , Fareen Shaikh angela.j@endurance.com ; fareen.sh@endurance.com	Mid May -Mid July	1
Summer intern	Summer intern	Verse Innovation Private Limited (Dailyhunt) Bhupesh / Vilintina hr@dailyihunt.in	Mid May -Mid July	3
Summer intern	Summer intern	Multi Commodity Exchange of India Ltd. Akasmika Panda Akasmika.panda@mcxindia.com	Mid May -Mid July	3
Summer intern	Summer intern	Microsoft India Pvt ltd Isha Prabhakar Prabhakar.Isha@microsoft.com	Mid May -Mid July	4
Summer intern	Summer intern	MAQ Software Pvt ltd Pankaj Choudhary pankajc@maqsoftware.com	Mid May -Mid July	9
Summer intern	Summer intern	Syntax Studio	Mid May -Mid July	3

		Bharat Parsiya (bnap@thesyntaxstudio.com)		
Summer intern	Summer intern	OpsHub Technologies Pvt. Ltd. Vikas Shah vikas.shah@opshub.com	Mid May -Mid July	6
Summer intern	Summer intern	Visa Gopal, Rajshekar universityrelations_in@visa.com rgopal@visa.com	Mid May -Mid July	1
Summer intern	Summer intern	FinTech Global Pvt ltd Puneet gupta pgupta@fintechglobal.center	Mid May -Mid July	4

3.7.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Indian Institute of Technology, Jammu	02/11/2018	To design and offer Joint undergraduate and/or Postgraduate teaching programs	6 faculty 26 students

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
Rs. 18,81,00,000/-	Rs. 12,61,10,057.30/-

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area		
Class rooms	25	0
Laboratories	23	0
Seminar Halls	4	0
Classrooms with LCD facilities	25	0
Classrooms with Wi-Fi/ LAN	25	0
Seminar halls with ICT facilities	25	0
Video Centre	3	0
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	0	
Value of the equipment purchased during the year (Rs. in Lakhs)	Rs. 126,110,057.30/-	
Others		

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SLIM++ (2002-2016) KOHA ILS (2016 onwards)	Partially	16.11.06.000	2002

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value Value
Text Books	29584	56866374.98	675	1727956.00	30259	58594330.98
Reference Books	1477	4810880.94	7	28173	1484	4839053.94
e-Books	47853	4746913.00	4881	1723797.00	52734	6470710.00
Journals	94	926,915.00	-	-	94	926,915.00
e-Journals	12890	8626983.10	745	435,345.52	13488	8391920.52
Digital Database	1	56,335.00	0	0	1	56,335.00
CD & Video	4027	13,91,891.00	10	-	4037	13,91,891.00
Library automation	Library Automation platform is developed inhouse, hence shown zero value.					
Weeding (Hard & Soft)	Nil	Nil	Nil	Nil	Nil	Nil
Others (specify)						

- Journals and e-Journals are annually renewed and therefore there is no difference in existing and newly added values.
- Digital database is also renewed annually.
- CD come free with books and DVDs we purchase. In the value cell what we are showing is the price of DVDs.
- Library Automation platform is developed in-house, hence we have shown zero value for this.

4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
		Nil	

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computer	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (M/GBPS)	Others (Wi-fi Access Points)
Existing	1267	28	1267	4	3	-	-	1Gbps+20Mbps	100
Added	53	0	53	-	-	-	-		19
Total	1320	28	1320	4	3	-	-	1Gbps+20Mbps	119

Note:
Total computers includes Desktops, Laptops & spares

Computer Labs includes Research Labs also	
Internet available in all PCs based on authentication & request	
In browsing centers one center shared with computer Lab	

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

1 GBPS & 20 MBPS fibre Leased line

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Access the Digital resource CD/DVD collection	ftp://rcmedia.daiict.ac.in (Password Protected)
Online Lecture delivery to remote location using video conference facility	Online delivery using VC

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
Rs. 2,42,94,000	Rs. 6,20,22,501	Rs. 11,36,09,000	Rs. 6,86,39,468

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

1. Introduction:

1.1   The Estate Section in Administration Division headed by the Estate Engineer under the supervision of Head (Administration) is responsible for maintenance of campus buildings, machineries and equipment. The section contains supervisory and technical staff such as Estate Engineer, General Assistant, Electricians, Plumber and Carpenter.

1.2   The maintenance of computers, servers, communication equipment etc., are handled by the Systems Administration Section headed by Manager (IT & Systems) and overseen by the ICT Committee. The Section has Manager (IT & Systems), Hardware and Software Engineers, Project Leader supported by System Administrator, Support Engineer and a Helpdesk with a Coordinator to record defects and break-down complaints.

1.3   The staffing allocations as narrated above have enabled the Institute to implement effective preventive maintenance and also attend to break-downs and defects instantly and maintain all the equipment and computers in working condition on 24 x 7 basis.

2. Maintenance Policy:

The Institute has three distinct maintenance policies – (a) Preventive. (b) Break-down and (c) Total Maintenance.

2.1   The Estate Engineer conducts periodical inspection of campus buildings and generates proposals for required maintenance. The proposals, after review by the Head (Administration), are forwarded for approval of the Executive Registrar/Director depending upon the estimated cost. In case the estimated cost exceeds Rs.1.00 lakh a detailed assessment of the proposal is carried out by a Committee consisting of the Executive Registrar, Head (Admin. & HR),

Estate Engineer and Commercial Officer and based on the recommendations of the Committee, on approval of the Director, tenders are invited from selected building maintenance contractors.

2.2   On technical and financial evaluation of the tenders received, with the approval of the Director the work is awarded to a Contractor who has the reputation of rendering quality maintenance work of buildings and at a cost moderately lower.

2.3   In respect of machineries and equipment such as transformers, generator, air conditioners, water treatment plants, garden irrigation system, annual maintenance contract is awarded which includes preventive maintenance and break-down occurrences to Contractors who are specialized in maintenance of machineries and equipment following the tender procedures as described in Sl. No. 2.1 and 2.2.

2.4   The Estate Section monitors and certifies the quality of work carried out by the Contractors. In certain specialized maintenance work, external experts are invited to assess the quality of work and certify.

2.5   The Systems Administration Section, invites tenders from reputed specialized Contractors for maintenance of Computers, Servers, Communication Equipment and other ICT equipment every financial year. The tenders received are technically and financially evaluated by the ICT Committee headed by a faculty as Convenor with other two faculty members, Executive Registrar and Manager (IT & Systems) as members. The recommendations of ICT Committee are submitted to the Director and on his approval the total maintenance contract is awarded.

2.6   The contract awarded specifies preventive, defective and break-down maintenances. The Contractor assigns a group of specialized technical personnel on campus to handle maintenance, technical glitches and break-downs on the spot. The hardware and software engineers of the Institute oversee and monitors the work of the technical personnel assigned by the Contractor.

2.7   The building maintenance of Laboratories and Class Rooms are handled by the Estate Section. The maintenance of Servers earmarked, Computers and audio-visual equipment installed in Laboratories, Lecture Theaters and Class Rooms are maintained by the Systems Administration Section.

2.8   The Systems Manager certifies the quality of work and bills of the Contractor for payment and reports to ICT Committee on the services of the Contractor.

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support (for presenting their research papers at conferences through CPDA) from DA-IICT):

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from Institution			
1	DA-IICT Merit-Cum-Means Scholarship	20+20	28,75,000
2	DA-IICT Merit Scholarship	14+15	20,73,500
3	R-Comm Merit-Cum-Means Scholarship	18+16	22,06,000
Financial support from other sources			
a) National	Mukhyamantri Yuva Swavlamban Yojana, Gujarat	326	2,02,12,000
	Post Matric Scholarships	47	68,22,350
	UGC	2 PhD students	Amount not known
b) International			

Financial Support for Students (for presenting their research papers at conferences through CPDA) from DA-IICT):

Date	Student Name	Faculty	Particulars	Amount (INR)
19 Jul 2018	Dixita Limbachiya	Prof. Manish Gupta	SPCOM Graduation Day Session at International Conference on Signal Processing and Communications (SPCOM) 2018, IISC Bangalore	30,000
22-27 Jul 2018	Jignesh Patel	Prof. Manjunath Joshi	38th Annual Symposium of the IEEE Geoscience and Remote Sensing Society (GRSS) (IGARSS18), Feria Valencia Convention & Exhibition Centre, Avda. de las Ferias, Valencia, Spain	30,000
16-19 Jul 2018	Mohammed Shaikh	Prof. Manjunath Joshi	12th International Conference on Signal Processing and CommunicationsSPCOM, Bangalore	19,728
04 Sep 2018	Tushar Gadhiya	Prof. Anil Roy	Journal Extra Page Charges	34,487
27 Nov 2018	Tushar Gadhiya	Prof. Anil Roy	DSANRM 2017, Hyderabad, 12-15 December, 2017	9,500
29 Sep-1 Oct 2018	Krishna Parikh	Prof. Suman Mitra	Third International Conference on Computer Vision & Image Processing (CVIP-2018), Department of Computer Science and Engineering of PDPM Indian Institute of Information Technology, Design & Manufacturing, Jabalpur	9,000
01 Oct 2018	Madhu Kamble	Prof. Hemant Patil	Doctoral consortium at International Speech Communication Association (ISCA), IIIT Hyderabad, 2-6 Sep 2018	30,000
19-22 Sep 2018	Hardik Gajera	Prof. Manik Lal Das	Sixth International Symposium on Security in Computing and Communications (SSCC 2018), Bangalore	15,990
19-22 Sep 2018	Nidhi Desai	Prof. Manik Lal Das	Sixth International Symposium on Security in Computing and Communications (SSCC 2018), Bangalore	15,990
24-26 Oct 2018	Megha Pandya	Prof. Ranendu Ghosh	Asia-Pacific Federation for Information Technology in Agriculture"(AFITA/WCCA) 2018, IIT Bombay	21,000
24-26 Oct 2018	Aayush Agrawal and Hasnain Gandhi	Prof. Ranendu Ghosh	Asia-Pacific Federation for Information Technology in Agriculture"(AFITA/WCCA) 2018, IIT Bombay	6,500
01 Nov 2018	Rahul Vashisht	Deepak Ghodgaonkar	IMaRC 2018, Kolkata, 28-30 November 2018	19,100
31-Oct 2018	Sujata	Prof Suman Mitra	IEEE ASPCON	11,000
19-Nov 2018	Hasnain Gandhi	Prof. Ranendu Ghosh	ISRO Conference	3,330
19-Nov 2018	Ayush Agrawal	Prof. Ranendu Ghosh	ISRO Conference	3,330

1-6 Oct 2018	Kirshana Gopal	Prof Manish Gupta	10th International Conference on Sequences and Their Applications (SETA'2018), Hong Kong University of Science and Technology, Hong Kong, China	30,000
01-Dec 2018	Miral Shah	Prof. Bhaskar Chaudhary	PLASMA-2018, the 33rd National Symposium on the Plasma Science & Technology, Delhi, 4-7 Dec 2018	9,000
01-Dec 2018	Tushar Gadhiya	Prof. Anil Roy	IEEE INDICON 2018, Amrita Vishwa Vidyapeetham, Coimbatore, 16-18 December 2018	11,000
07-Jan 2019	Kamal Captain	Prof. MV Joshi	COMSNETS-2019, Bangalore, January 7-11, 2019	15,080
01-Dec 2018	Sumukh Bansal	Prof. Aditya Tatu	15th ACM SIGGRAPH European Conference on Visual Media Production (CVMP 2018), London, December 2018	25,000
04-Jan 2019	Mayank Patel	Prof. Minal Bhise	ComNet-IoT, ICDCN 2019, IISc, Bangalore, 4-7 January, 2019	17,443
04-Jan 2019	Mayank Patel	Prof. Minal Bhise	WACI, COMSNETSJanuary 7-11, 2019, Bengaluru	5,310
04-Jan 2019	Pranav Verma	Prof. Anish Msathuria	ISEA-ISAP'18, MNIT Jaipur, January 9-11, 2019	10,472
30-Jan 2019	Neha Arora	Prof. Biswajit Mishra	COMSNETS 2019, Bangalore, Jan 7-11, 2019	13,878
01-Dec 2018	Purvi Patel	Prof. Biswajit Mishra	(International Symposium on Embedded Computing and System Design (ISED'18), 13-15 Dec, 2018, Cochin, Kerela (for student Yash Vora)	10,375
01-Apr 2019	Rishikant Rajdeepak	Prof. V Sunitha	Conference on graphs, networks, and their applications, Moscow, May 13 - 18, 2019	30,000
		Total		**436,513**

b) International

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Weekly Debate Session	25/07/2018	>95	Debate Club, DA-IICT
Entelechy (Online magazine)	25/07/2018	>60	Press Club, DA-IICT
Quizzing Sessions	25/07/2018	>55	Headrush Club, DA-IICT
Remedial Classes	Mid-September	~90	Academic Committee/B Tech TAs
Student Mentorship	25/07/2018	12	Anti-Ragging Committee
Personal Counsellors	25/07/2018	Variable	Institute's Professional

					Counsellors

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year.

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2018-19	Pre Placement Mock Online Test		~540		
2018-19	Industry Leader's tech talk		~560		
2018-19	Engineering Workshops		~555	We do not keep record of this data.	
2018-19	Placement readiness seminar/talk by Placement Team		~510		
2018-19	Placement Orientation		~500		
2018-19	Career Counselling, Hackathons / Online contest etc.		~450		

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
Nil	Nil	Not Applicable

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
Goldman Sachs	338	11	Cadence	3	1
Morgan Stanley	237	10			
Sprinklr India Pvt Ltd(product)	251	30			
TCS Digital Drive	60	4			
Postdot Technologies Pvt Ltd	215	6			
Futures First Info Services Pvt. Ltd.(Market Analyst)	75	4			

Deutsche Bank (DBOI Global Services Private Limited)	138	13			
PropTiger	103	11			
Axxela Advisory Services	109	1			
Zapr Media Labs	145	4			
InFoCusp Innovations Pvt. Ltd.	228	2			
INTELLO LABS PRIVATE LIMITED	146	5			
COVIAM Technology & Services Pvt Ltd	162	7			
Vuclip INC	62	8			
FactSet System India Pvt ltd	163	8			
TCS Research and Innovation Hiring (CTO)	32	1			
rtCamp Solution Pvt. Ltd.	65	3			
Oracle India Private Limited	108	8			
Infosys Ltd	143	13			
HSBC Technology	134	20			
TCS NINJA hiring	19	5			
Playpower Labs	204	2			
HANDZAP SOFTWARE PRIVATE LIMITED	90	1			
Amazon Development Center India Pvt. Ltd.	163	21			
Searce	125	5			
Deloitte Consulting Pvt Ltd	110	15			
poshaQ	208	2			
OpsHub Technologies Pvt. Ltd.	88	11			
Arm Embedded Technologies Ltd	18	4			
Tally Solutions Pvt Ltd	158	7			
Amadeus Labs	56	6			
Clarisights	168	3			
MAQ Software	131	9			
Think & Learn Pvt Ltd (Byju)	87	1			
FINTECH GLOBAL CENTER (ADSOM GLOBALTECH)	153	8			
Evolutionary Systems Pvt. Ltd.	59	2			
IBM	73	4			
Juniper Networks India Pvt. Ltd.	79	8			
Fractal Analytics	52	3			
SoluLab Inc	76	6			
Zeus Systems Private Limited	21	3			
Vehant Technologies Pvt Ltd	83	2			
INTERVIEWBIT SOFTWARE SERVICES LLP	62	1			
Clues Network Pvt. Ltd.	38	5			
Infosys Ltd. (Mass)	37	11			

Samsung R&D Institute India, Noida	34	13			
Numascale	30	2			
Whatfix	120	2			
Raychem RPG	7	1			
Hansa Cequity	68	4			
TrueBil.com (Paix Technology Pvt LTD)	55	4			
Nagarro Software (P) Ltd	68	6			
Qualcomm (Only for women)	16	3			
Sophos Technologies Pvt Ltd	55	4			
FeasOpt.AI	13	2			
OpenXcell Technolabs Pvt Ltd	81	2			
Saba Software India Pvt. Ltd.	59	3			
Indusa Infotech Services Pvt. Ltd. will now be Synoptek India	66	2			
Treebo Hotels	89	3			
Verse Innovation Private Limited (Dailyhunt)	101	6			
Namekart Private Limited (pool at IIIT-V)	16	1			
AssetTrackr Pvt Ltd	59	3			
Mindarray Systems Pvt Ltd. (motadata)	44	3			
Kristal.ai (O2O Software services Pvt Ltd)	61	3			
Capillary Technologies	47	4			
Endurance International Group	114	1			
MindsArray Technologies Pvt. Ltd. (Pay1)	60	4			
Volansys Technologies Pvt. Ltd.	58	1			
Rishabh Software	47	3			
EmpowerED	54	3			
eKutir	18	1			
GE Digital	30	3			
Rapidops Solutions Private Limited	28	4			
Delhivery Pvt Ltd	64	3			
CommScope Networks	22	1			
Diligencevault	47	1			
Kuliza Technologies Pvt Ltd	61	4			
Promact Infotech Pvt Ltd	34	4			
Social Pilot Solutions LLP	36	4			
InMobi Technologies Pvt Ltd	17	1			
Pivoting Softwares Pvt. Ltd. (Gridle)	48	2			
Ecosmob Technologies Pvt. Ltd.	38	4			
Plexus Professionals Network Private Limited (PlexusMD)	48	3			

MAQ Software	4	2			
PlaySimple Games Pvt Ltd	23	1			
Vedantu Innovations Pvt Ltd	35	2			
Almashines Technologies Pvt. Ltd	14	1			
Emxcel Travel Solutions Pvt Ltd	26	13			
Wishbook	10	1			
Ntex Transportation Pvt.Ltd. (ElasticRun)	20	1			
Xilinx India Technology Services Pvt. Ltd.	9	2			
Dolcera	16	1			
MAQ Software	14	6			
Bitmapper Integration Technolgies Pvt. Ltd	14	2			
Acko General Insurance	63	2			
ANI Technologies (Ola Cabs)	40	2			
TCS - Design Hiring	5	4			
Cadence Design Systems	8	1			
APTTUS	8	1			
Sterlite Technologies	16	3			
Synopsys	8	4			
Almaconnect	4	1			
Microsoft	6	6			
INNOVACER ANALYTICS PVT LTD	1	1			
VISA (FOR WOMEN)	1	1			

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2019	28	B Tech (ICT) B Tech (Honours) in ICT with minor CS M Tech (ICT)		List attached below (however, this is not an exhaustive list)	

Year	Name of students enrolling into higher education	Programme graduated from	Name of institution joined	Name of Programme admitted to
2018-19	Ganatra Harmish Sandipbhai	B Tech (ICT)	Arizona State University	Masters in Software Engineering
2018-19	Siddharth Mishra	B Tech (ICT)	Arizona State University	Computer Science
2018-19	Parmar Mihir	B Tech (ICT)	Arizona state university	Computer Science
2018-19	Patel Dev Narendrakumar	B Tech (ICT-CS)	Carnegie Mellon University	Privacy Engineering

2018-19	Mehta Yash Dipak	B Tech (ICT)	Carnegie Melon University Pensylvania USA	Privacy Engineering
2018-19	Gangopadhyay Surupendu Prakash	M Tech (ICT)	DAIICT	PhD
2018-19	Oza Urvi Arunbhai	M Tech (ICT)	Daiict	PhD
2018-19	Shubham S Meena	B Tech (ICT)	George Brown College	Game Programing
2018-19	Agam Alkeshkumar Shah	B Tech (ICT-CS)	Georgia Institute of Technology	Master of Science in Quantitative and Computational Finance
2018-19	Atkuri Sri Dutta Sai Sandeep	B Tech (ICT)	IGNOU	MA Political Science
2018-19	Piyush Ajmeria	B Tech (ICT)	IIM Ahmedabad	MBA
2018-19	Rayvadera Meet Hiteshkumar	B Tech (ICT-CS)	IIT Guwahati	M.Sc. maths and computing, IIT Guwahati
2018-19	Jivani Karan Prafulbhai	B Tech (ICT-CS)	IIT Madras	M.Tech(Computer Science and Engineering)
2018-19	Patel Yash Manharbhai	B Tech (ICT)	Illinois institute of technology	Illinois institute of technology
2018-19	Rajat Garg	B Tech (ICT)	Indian institute of management ahmedabad	Post graduate program in management
2018-19	Chinmay V Gameti	B Tech (ICT)	Indian Institute of Science Bangalore	MTech Research in computer science and automation
2018-19	Raj Ajitkumar Gamit	B Tech (ICT)	Khan Study Group, New Delhi	UPSC Foundation Course
2018-19	Shah Fenil Mukesh	B Tech (ICT)	NEU	MS DS
2018-19	Patel Prithvi Vijaykumar	B Tech (ICT-CS)	North Carolina State University	Master of Computer Science
2018-19	Vadaliya Karn Kaushik	B Tech (ICT)	Northeastern University	Information Systems
2018-19	Suthar Priyam Dipakbhai	B Tech (ICT)	Northeastern University	MS in Information Systems
2018-19	Varia Neelanshi Atul	B Tech (ICT)	Northwestern University	MS in Artificial Intelligence
2018-19	Unnati Pareshbhai Parekh	B Tech (ICT-CS)	Northwestern University	Master of Science in Computer Science
2018-19	Avik Sen	M Sc (IT)	NPC(National Productivity Council)	Energy Management
2018-19	Patel Tirth Jitendra	B Tech (ICT)	Rennaissance	masters in computer science
2018-19	Davawala Nidhi Devang	B Tech (ICT)	University of Massachusetts Amherst	MS in Computer Science
2018-19	Shubham D Annadate	B Tech (ICT)	University of Pennsylvania	Masters in Data Science
2018-19	Thakkar Smit Rajeshkumar	B Tech (ICT-CS)	University of Southern California	Computer Science

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)		
Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET		
SET		
SLET		
GATE		
GMAT		
CAT	We are not collecting this data.	
GRE		
TOFEL		
Civil Services		
State Government Services		
Any Other		

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
Maniere(Fashion Show)	Intra DA	2 teams
Raaga and Rhyme(Music Night)	Intra DA	29 solos,11 duets,5 groups
Synapse (cultural fest)	Cultural Fest	Not Applicable
Rangmanch (drama)	Intra DA-IICT	Not Applicable
Intra-DA Spell Bee	Intra DA-IICT	Not Applicable

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2019	Bronze Medal	State Level	Boxing		201801238	Siddhi Patel
2019	Winner Golden Ball	Reliance Foundation Youth Sports	Football		201801001	Ashish Sharma
2019	Runner up Golden Boot	Reliance Foundation Youth Sports	Football		201801001	Ashish Sharma
2019	Runner up Golden Boot	Reliance Foundation Youth Sports	Football		201501172	Dveep Chaudhari
2018	Gold Medal	GLS justice League	Long Jump		201801414	Ajay Wala

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Student Council is very active on academic and administrative level. The student council namely Student Body Government (SBG) comprises of 8 committees which work for the welfare of the students and act as a bridge between

faculty/admins and students. The SBG is headed by a SBG Core (of 4 students) comprising of The Convener, The Deputy Convener, The Treasurer and The Secretary. The SBG core is mentored by dean Students (Prof. RanenduGhosh). The role of Convener is to act as a bridge between students and faculty and convene meetings. The role of Deputy Convener is to allocate rooms for various events and support the Convener. The treasurer looks after the budget allocated to the students for various activities and its proper division. The Secretary takes care of inventory of various clubs and committees and maintains the SBG website and mail ID. The 8 committees are : 1) Hostel Management Committee, 2) ICT Committee, 3) Annual Festival Committee, 4) Cultural Committee, 5) Student Placement Cell, 6) Canteen Management Committee, 7) Sports Committee and 8) Academic Committee. Each of the committee has different number of seats (depends on the work load) which are filled by general election and selection process (done by students). Each committee has a specific goal and every committee has a faculty mentor to guide them. They work to improve the overall hostel life of the students and at the same time maintaining a communication with the admins/faculty. At present, there are about 122 students in all the committees. Apart from SBG, we have Alumni Association, Anti-Ragging committee and Gender Cell which also work on some issues. We have an Ifest committee which is connected to the IEEE and organize various events. This summarizes the overall participation of students at academic and administrative level of the college.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

Yes

Institute has registered Alumni Association. Its name is DA-IICT Alumni Association. Its date of registration is: 24 Dec 2017. It has its Bylaws, its own PAN card, it has applied for registration under 80G**.** The first Executive Committee of this AA is formed by DA-IICT Director's choice. In subsequent years it will be constituted based on its Bylaws. DA-IICT has provided an office space and a telephone for the AA to function from the campus.

DA-IICT Alumni Association, a separate registered legal entity, has now more than 6000 members worldwide. The Association is enthusiastically involved in networking, mentoring and organizing placement assistance and internships to the fellow alumni and current students. DA-IICT Student Chapter of the Association organized an Alumni Reunion during 23-24 February 2019, coinciding with Synapse -- the festival of students. The Alumni, along with their families, attended the reunion and the festival. The reunion began with a tour of the campus reminiscing campus life and beholding the physical changes that took place on the campus, particularly the new hostel blocks. The Reunion marked several events such as 'Alumni Quiz,' organized by Headrush, 'Giftagoo' where alumni recited their experiences at the Institute, and 'Acoustic Night,' a music night organized by the Music Club with improvised singing by Alumni. The Association Alumni Association Activities and Achievements also discussed various plan of activities and one of them is introducing Alumni Lecture Series at the Institute -- alumni from Industry and Universities would stop by and deliver talks during week-ends. The other activities planned are preparation of an alumni directory with areas of interest, organize regular regional meets, network with all batches, encourage juniors and current students to network with 3-5 seniors, establish a formal scheme for communication, relocation, study abroad, design and offer a student's exchange program and ways to contribute to the Institute. On the second day, a sports event was organized in the forenoon followed by the Director's address and discussion on the working of the Association. The final event was the 'Dance Cypher,' organized by the Dance Club of Students. During the Orientation Program of 2019-20 batch, Alumni closely interacted with fresh undergraduate and post-graduate students.

5.3.2 No. of registered Alumni: ~4700

5.3.3 Alumni contribution during the year (in Rupees) :   INR 475000 FOR 2019

5.3.4 Meetings/activities organized by Alumni Association :

1   Alumni reunion was organized for the first time during Synapse from 22-24 feb 2019. It saw participation of more than 100 alumni. An interaction session was organized for the alumni and faculty with some other events for the alumni.

2	Orientation for the freshers was organized on 26 Aug 2019. 3 alumni from various fields shared their experiences and talked about life at DAIICT and after college. This was followed by a Q&A session. More than 150 freshers attended the orientation.

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year

The programs and activities of the Institute are managed through a number of Committees. These Committees assist the management in arriving at useful and meaningful decisions that facilitates   proper administration of the Institute. This strategy was adopted to encourage faculty, staff and students to actively participate in decision making processes and implementations. The Committee's decisions are accepted and implemented without delay so as to boost confidence of the members. The notable among these Committees are Undergraduate, Postgraduate, Research Promotion and Placement Committees.

The Students of the Institute have a self-governing democratic organization called DA-IICT Student Body Government (SBG). SBG has eight Committees such as Academic, Placement, ICT, Annual Festival Committees.

In the year 2018-19, two Committees were constituted with faculty and staff representatives. They were delegated with the authority to take decisions and they   were as follows:

1) National Institute Ranking Framework (NIRF) and Gujarat State Institute Ranking Framework (GSIRF) Committee. This three member Committee consisted of a faculty member as Convenor and Assistant Registrar (Academics) and Assistant Librarian as members. The Committee was delegated with full authority to collect the required data, data compilation, verification and submission and also answer the queries raised by NIRF/GSIRF.

2) Building Monitoring Committee (BMC). The four member BMC was constituted with all administrative staff with Head (Admin. & HR) as Convenor with Estate Officer, Commercial Officer and General Assistant as members to monitor the progress of construction of a new hostel block, liaise with the Contractor and suppliers on all matters concerning the construction and processing the Bills of the Contractor and Suppliers.   The project had an approved budget of Rs.16.00 lakh.

6.1.2 Does the institution have a Management Information System (MIS)?
 Yes/No/Partial:

Yes

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each**):**

▪   Curriculum Development
The curriculum of the B. Tech Program was revised in 2015-16 and the batch of students who have gone through the revised curriculum is yet to graduate.   It is planned to review the curriculum in 2020 so that the new curriculum can be implemented from the academic year 2021-22. Curriculum adjustment for the M. Tech program was carried out in 2018 and the revised curriculum has been implemented from the academic year 2019-20. For MSc (IT) and M-Des (CD) programs, curriculum adjustment has been carried in 2016 and the next review is planned in 2021.

▪   Teaching and Learning

B. Tech Curriculum Review Committee (2016) recommended ICT electives for the students. A sub-committee was constituted to examine the suitability of various ICT electives. It has been decided that out of three areas i.e., computer science, electronics and communications, elective should have flavors of at least two.   In this regard, the Committee decided add courses such as IoT, Image Processing, Control Theory, Machine Learning, Human Computer Interaction, Introduction to Robotics and Optimization as ICT electives.

▪   Examination and Evaluation :

Designed and implemented a new portal named Question Paper Upload System. The Instructors can upload the question papers well before the scheduled date of examination. The question papers uploaded will become repository for reference.

▪   Research and Development

DA-IICT continues to expand its range of research infrastructure and facilities, such as well-equipped dedicated research laboratories, specialized equipments, campus-wide networking, and high-speed Internet access, and subscription to hundreds of print and online journals. A Research Promotion Committee was formed to explore possibilities of organizing various research related programs such as conferences, workshops, winter and summer schools at the institute. Seed Grant policy, introduced in October 2018, provides support to newly joined faculty members for their dream research projects which are expected to be generate research grants in future from the relevant industry or different funding agencies or publications in reputed journals.

▪   Library, ICT and Physical Infrastructure / Instrumentation

The Library has introduced an information aggregator tool, RAx having features such as intelligent and personalized information searching; dynamic information aggregation; inclusion of external, free and paid resources etc. In the area of ICT, the Institute has adopted G-Suite as education platform for better quality of cloud-driven services that provide productivity, collaboration and communication tools for teaching and learning. The preview room in the Library has been converted into a smart class room. Replaced the wooden doors of Student Activities Centre with new HDHMR Board to ensure security.

▪   Human Resource Management

Introduced a formal faculty promotion policy from January, 2018. The limit to avail cashless medical benefit under the Group Medical Insurance Policy for faculty and staff was revised from Rs.3.00 lakh to Rs.5.00 lakh per year. An agreement was signed with Aashka Hospital, Gandhinagar, a multi-speciality hospital, for the faculty, staff and students to avail medical facilities on priority and discounted rates. The support to administrative staff to participate at conferences/seminars   was liberalised and this resulted in Library Staff presenting 18 conference/seminar papers in 2018-19.

▪   Industry Interaction / Collaboration

A revised and faculty-friendly Consultancy policy, introduced from 1st September 2018, sets out the guidelines and procedures governing consultancy assignments taken by the faculty members. The goal of the consultancy is to enhance their professional and/or academic competence and experience. This will also establish the link between the DA-IICT and external organizations (Industry, Service Sector, Government Departments and other agencies) that will aid DA-IICT in areas such as increasing research opportunities and student placement.

DA-IICT Centre for Entrepreneurship and Incubation (DCEI) works closely with the industrial needs that eventually will result in new or improved products, processes, systems or services that can increase productivity of the industry.

6.2.2   :   Implementation of e-governance in areas of operations:

▪ Planning and Development

The Institute has placed greater emphasis on use of information technology in its operations and management. The e-campus is the primary e-governance system successfully used for the last fifteen years. The e-campus has the following modules:

Student Admission	Student Registration	Student Evaluation	Office Administration	Others
Application Process	Program Structure	List of Courses	Human Resources	Inventory
Applicants' Profile	Registration Process	Grade Submission	General Administration	ICT Inventory
Counselling	Approvals	Grade Modification	Salary	Campus Information
Students Profile	Semester Fees	Calculation of SPI/CPI	IT Resources	Hostel Management
Admission Fee	Reports	Approvals	Reports	Reports
Reports		Reports		

Administration

The procurement of goods and services, maintenance of records of campus maintenance, construction, processing of bills of contractors and suppliers are computerised.

▪ Finance and Accounts

The Institute is using 'Tally ERP 9 'system for maintenance of books of accounts to finalization of accounts. The pay roll and related transactions are handled by using Saral Pay Package system.

▪ Student Admission and Support

The admissions, counselling of the students and allotment of seats are done by using an online admission system. The fee collection is also done by using multiple e-payment channels. Those who prefer to pay fees off-line, there is a system that generates ICICI bank form which they can fill in online, print out and pay fees at any branch of ICICI Bank.

▪ Examination:

Designed and implemented Question Paper Upload System (QPUS) for online submission of question paper. The system is locally configured on Moodle server which allows the users (pre-defined) to upload the question papers. Also designed and implemented an **Examination Schedule Generator (ESG) system** which has automated preparation of examination schedules

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year.

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided / Dates of Conference	Amount of support
01 Jul 2018	Yash Vasavada	SPCOM 2018 (Signal Processing and Communications Conference), IISc Bangalore	18-19 July 2018	20,000

21 Jul 2018	Prasemjit Majumder	CEL Workshop (IMPRINT meeting) at Kolkatta		15,000
03 Aug 2018	Prasenjit Majumder	Working Group Meeting on Cyber Security, MeitY, New Delhi	03-Aug-18	11,000
28 Aug 2018	Maniklal Das	Paper pre IEEE Journal	Aug-18	25,000
20 Sep 2018	Hemant Patil	Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC) 2018, Honolulu, Hawaii, USA, 12-15	12-15 Nov 2018	55,105
26 Sep 2018	Manish Gupta	DNA computing - DNA 24	26-Sep-18	15,000
26 Sep 2018	Amit Bhatt	RISC-V	Aug-18	18,642
26 Sep 2018	Prasemjit Majumder	Meeting expenses at Min of EI	Aug-18	11,000
28-31 Oct 2018	Sanjay Srivastava	IEEE Sensors 2018 Conference, New Delhi	28-10-18 to 31-10- 2018	35,000
19-Nov 2018	Ranendu Ghosh	Asia-Pacific Federation for Information Technology in Agriculture (AFITA/WCCA) 2018, IIT - Bombay (for MTech student Abhijeet Ghodgaonkar)	24-10-18 to 26-10-18	4,030
05 Dec 2018	Manish Gupta	Indian Mathematical Society	27-11-18 to 30-11-18	10,363
13 Nov 2018	Manik Lal Das	IEEE Membership 2019		8,261
10 Dec 2018	Suman Mitra	First IEEE Conference on Applied Signal Processing (ASPCON), Kolkata	7-12-18 to 9-12-18	13,000
13 Dec 2018	Manik Lal Das	Indo-French Project, France		5,439
02 Jan 2019	Manik Lal Das	MOOC course development for NPTEL jointly with Dr. Pratosh Bansal, Devi Ahilya University, Indore.	Jan-19	12,000
12 Dec 2018	Hemant Patil	Extra Page charges in two IEEE Journals	12-Dec-18	65,000
30 Dec 2018	Sanjeev Gupta	IEEE International RF and Microwave Conference (RFM-2018), Malaysia (for PhD Student Pankaj Chaudhary)	17-19 Dec 2018	41,000
30 Dec 2018	Deepak Ghodgaonkar	IEEE International RF and Microwave Conference (RFM-2018), Malaysia (for PhD Student Pankaj Chaudhary)	17-19 Dec 2018	41,000
30 Dec 2018	Deepak Ghodgaonkar	IEEE International RF and Microwave Conference (RFM-2018), Malaysia (for PhD Student Rahul Vashisht)	17-19 Dec 2018	82,000

02 Jan 2019	Yash Agarwal	IEEE EDAPS, Chandigarh	16-20 Dec 2018	10,521
02 Jan 2019	Yash Agarwal	IEEE EDAPS, Chandigarh (for student Urmi Shah)	16-20 Dec 2018	5,000
09-Jan-2019	Biswajit Mishra	ISED	Jan-19	3,814
09-Jan-2019	Biswajit Mishra	Travel tickets	Jan-19	4,559
09-Jan-2019	Manjunath Joshi	ICVIP	Jan-19	18,642
11-Jan-2019	Biswajit Mishra	Travel tickets	Jan-19	12,525
11-Jan-2019	Biswajit Mishra	Conf Regn charges	Jan-19	16,495
15-Jan-2019	Aditya Tatu	15th ACM SIGGRAPH European Conference on Visual Media Production (CVMP 2018), London (for student Sumukh Bansal)	Dec-18	35,000
27-Nov-2018	Minal Bhise	5th International Conference on Distributed Computing and Internet Technology (ICDCIT 2019), Bhubaneswar (for MTech student Ami Pandat)	10-13 Jan 2019	7,000
26-Feb-2019	Shweta Garg	Purchase of online editing tool (special case)	Feb-19	5,209
15-Mar-2019	Sanjeev Gupta	NCC-2018, IISc Bangalore (for MTech student Rahul Chauhan)	Feb-19	8,242
25-Jan-2019	Ranendu Ghosh	Course on Earth Obs (for BTech student Sri kumar) 18-22 Feb 2019 at IIT Kharagpur	18-22 Feb 2019	6,000
25-Jan-2019	Ranendu Ghosh	Course on Earth Obs Arnavat IIT Kharagpur	18-22 Feb 2019	6,000
18-Mar-2019	Sanjay Srivastava	IEEE CB	Sep-18	27,843
12-Apr-2019	Prasenjit Majumder	Niti Ayog GOI, New Delhi to attend a brainstorming session to develop an AI and NLP roadmap for the country	Mar-19	15,602
13-Feb-2019	Amit Bhatt	EU Universities (Romania, Vienna, Budapest, Prague) & US Universities	Apr-19	280,000
18-Apr-2019	Sanjeev Gupta	IEEE AP & MTT Society Membership Annual Renewal Fees	Apr-19	1,404
02-May-2019	Puneet Bhateja	6th International Conference on Control Decision and Information Technologies (IEEE-CoDIT), Paris, France	23-26-Apr-19	94,908
02-May-2019	Puneet Bhateja	IEEE-CoDIT	Apr-19	73,583
03-May-2019	Biswajit Mishra	Journal publication charges (for PhD student Ms. Neha Arora)	May-19	30,165

03-May-2019	Biswajit Mishra	Journal publication charges (for PhD student Ms. Purvi Patel)	May-19	28,083
13-Dec-2018	Kalyan Sasidhar	COMSNETS 2019:12th Intelligent Transportation Systems Workshop, Bengaluru	11-Jan-19	15,584
14-Dec-2018	Minal Bhise	WIECON 2018, Thailand (for MTech student Ami Pandat)	14-16 Dec 2018	17,000
16-Dec-2018	Anish Mathuria	IEEE ANTS'18, IIT Indore. (for student Harshul Vaishnav)	16-19 Dec 2018	24,380
14-Dec-2018	Manjunath Joshi	ICVGIP2018, Hyderabad	18-22 Dec 2018	26,260
17-Dec-2018	Nabin Sahu	Joint Mathematics Meeting of the American Mathematical Society which is going to be held at Baltimore, USA from 16-19 January 2019.	16-19 Jan 2019	2,10,000
20-Dec-2018	Ranendu Ghosh	International Society for Photogrammetry and Remote Sensing (ISPRS) Technical Commission V Symposium on "Education & Outreach - Geospatial technology – Pixel to People", Dehradun (for SRI Nidhi Davawala)	20-23 Nov 2018	9,587
20-Dec-2018	Ranendu Ghosh	International Society for Photogrammetry and Remote Sensing (ISPRS) Technical Commission V Symposium on "Education & Outreach - Geospatial technology – Pixel to People" (for student Kaya Desai)	20-23 Nov 2018	11,514
04-Jan-2019	Sanjeev Gupta	Twenty-Fifth National Conference on Communications(NCC 2019), IISc, Bangalore (for MTech student Rahul Chauhan)	20-23 Feb 2019	21,000
04-Jan-2019	Asim Banerjee	SEC (12th Innovations in SoftwareEngineering Conference), Pune	14-16 Feb 2019	29,720
10-Jan-2019	Srimanta Mandal	11th Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP 2018), IIIT Hyderabad	18-22 Dec 2018	25,000
16-Jan-2019	Manjunath Joshi	Cancellation of registration of conference COMSNETS 2019) and flight tickets as his student's (Kamal Captain) PhD	16-Jan-19	25,389

		defence was scheduled on same dates (7-11 Jan 2019)		
18-Jan-2019	Shweta Garg	Towards payment to MDes Graduate (of DA-IICT) Ms Prajakta Kavthekar for her services rendered as an illustrator for the manuscript on Gender Sensitization being authored by her (special case)	18-Jan-19	60,000
22-Jan-2019	Anjan Ghosh	IEEE and OSA (Optical Society of America) Membership	22-Jan-19	15,644
01-Feb-2019	Biswajit Mishra	ISED'18 (International Symposium on Embedded Computing and System Design, 2018), Cochin, Kerela.	13-15 Dec-18	11,782
01-Feb-2019	Alka Parikh	26th Annual Conference of Agriculture Economic Research Association, New Delhi	15-17 Nov-18	16,993
08-Feb-2019	Anil Roy	IEEE Annual Membership	08-Feb-19	9,738
08-Feb-2019	Anil Roy	OSA (Optical Society of America) Annual Membership	08-Feb-19	11,902
07-Mar-2019	Yash Agarwal	Image Processing using VLSI Architectures under the aegis of Electronics and ICT Academy, IIT Roorkee as Faculty Development Program at IIT Roorkee t	26-30 Mar-19	5,209
29-Mar-2019	Shweta Garg	Towards payment to MDes Graduate (of DA-IICT) Mr Prathamesh Vinay Siddhesh for his services rendered as an illustrator for the manuscript on Gender Sensitization being authored by her (special case)	29-Mar-19	20,000
01-May-2019	V Sunitha	Conference on graphs, networks, and their applications, Moscow (for PhD Student Mr. Rishikant Rajdeepak)	13-18 May-19	60,000
01-Jun-2019	Prasenjit Majumder	Research visit to University of Hildesheim, Germany, as an exchange faculty	4 Jun-4 Jul-19	20,000
15-Jun-2019	Ranendu Ghosh	ICT4SD 2019, Goa for student Arnav Saha)	5-6 Jul-19	38,000
15-Jun-2019	Alka Parikh	ICT4SD 2019, Goa	5-6 Jul-19	24,000

21-Jun-2019	Manjunath Joshi	Extra pages charges for publication in The IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (IEEE JSTARS) published by the IEEE Geosciences and Remote Sensing Society.		55,000
27-Jun-2019	Biswajit Mishra	VDAT-2019, IIT Indore	4-6 Jul-19	32,000
			Total	**1,904,137**

6.3.2 Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
Nil	Nil	Nil	Nil	Nil	03, Sashi,Kirit, Jitendra

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
NIL		

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent	Contract	Permanent	Contract
09	01	04	04(Library Trainee)

6.3.5 Welfare schemes for

Teaching	GMC, GPA, CPDA, Subsidised Canteen-Tea, Coffee, Lunch Dinner, Breakfast, Internet facility, leaves
Non teaching	GMC, GPA, Subsidised Canteen- Tea, Coffee, Lunch Dinner, Breakfast, Internet facility, leaves
Students	GMC, GPA, Subsidised Canteen- Tea, Coffee, Lunch Dinner, Breakfast, Internet facility

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly (within 100 words)

The Finance Committee, constituted under the provisions of clause 16 of the Dhirubhai Ambani Institute of Information and Communication Technology Act, 2003 at its meeting held on 21st March, 2017 appointed separate auditors for internal audit and statutory audit for the year 2017-18. The Internal Auditors were M/s J.T. Shah & Company, Chartered Accountants, Ahmedabad, and their scope of work included conducting the quarterly internal audit of accounts and assets, rendering advice on improving the existing administrative and financial systems and procedures and carrying out the system audit. They also handled tax assessments and filing of tax returns.

M/s Pathak H.D. Associates, Chartered Accountants, Mumbai were the Statutory Auditors and they carried out the statutory audit of the accounts for the year 2019-20.

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
Nil		

6.4.2 Total corpus fund generated

Total Corpus Fund Rs 10,27,23,204/- + Surplus fund generated during year is Rs. 6,50,56,964.68/-

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No			
Administrative	Yes	M/s JT Shah & Company, Chartered Accountants, Ahmedabad		

6.5.2 Activities and support from the Parent – Teacher Association (at least three)

Nil

6.5.3 Development programmes for support staff (at least three)

1] Office Administration, Sardar Patel Institute of Public Administration (SPIPA),Ahmedabad
2] Changing Landscape of Science & Technology Libraries (CLSTL 2019) at IIT Gandhinagar (India) during 28th February to 02nd March 2019
3] Western Regional Training Programme for PDS (URKUND) University Administrators (West) at MGM University of Health Sciences, Navi Mumbai on 29th August'19

6.5.4 Post Accreditation initiative(s) (mention at least three)

1. DA-IICT participated in the NIRF and GSIRF rankings. In India NIRF rankings 2019 DA-IICT was ranked 91. This is an improvement from India rankings 2018.

2. A constant improvement in research publications number seen in various citation databases such as Scopus, Web of Science, Microsoft Academic, Google Scholar etc., indexed research publications and its citations of DA-IICT has steadily increased as seen below:

PUBLICATION DETAILS (For last 3 calendar years, i.e. 2017,2018, 2019)

Source of Data	Publications	Citations
Web of Science	252	727
Scopus	374	1195

3. In 2018, the Center for Entrepreneurship Development, Department of Industries and Mines, Government of Gujarat selected DA-IICT as an 'Anchor Institute' in the specialization area of Information and Communication Technology. The objective of the Anchor Institute Program (AIP) is to achieve the ultimate goal of making students of Gujarat 'industry ready' through well-trained faculty members of Gujarat based Engineering Colleges. The program is of five year duration. During year 2018-19, the Institute has trained 138 faculty members of Engineering Colleges in Gujarat in industry relevant skills under the program.

6.5.5
a. Submission of Data for AISHE portal : Yes 20 February, 2019
b. Participation in NIRF   :   Yes Rank 106
c. ISO Certification   :   No
d. NBA or any other quality audit   :   No

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from----- to-----)	Number of participants
Nothing to report as of now.				

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period **(from-to)**	Participants	
		Female	Male
Gender Sensitization	Aug-19	Btech 1st Year (2019 Batch)	Btech 1st Year (2019 Batch)

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as**:**

DA-IICT campus is spread over 50 acres of land.   The campus design is oriented towards preserving the environment. The campus is full of trees, lawns and bushes bearing green leaves and exotic flowers surrounding the buildings and pathways and they instill environment consciousness among students and enrich their learning. The campus has a herb garden with species of rare medicinal plants and nursery to replace the plants as and when required.
A 'campaign' spearheaded by the Student Body in Government on usage of plastic ensued in a 'plastic free campus.'
The feasibility to set up roof top solar energy power systems is being studied.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries

Physical facilities	Yes	
Provision for lift	NA	
Ramp/ Rails	Yes	Everyone
Braille Software/facilities	No	
Rest Rooms	Yes	Everyone
Scribes for examination	Yes	Anybody who needs
Special skill development for differently abled students	Yes	Same for all
Any other similar facility	Yes	

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

1. Blood donation camps at least twice a year.
2. Old and warm clothes collection and distribution for the daily wages persons working for the campus – Once in a year.
3. Lunch for the daily wages person working for the campus – twice a year (Before Holi and Diwali)

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
Faculty Handbook	Under Preparation	

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-------to-------)	Number of participants
Gender Sensitization Session	During Orientation of new batches	All freshers
Youth Run: Hum Fit toh India Fit	27 October 2018	~800
Street Plays with a motive	Throughout the year	~20 in each play

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

The initiatives taken by the Institute are as follows:
1. **Food Waste**: Wet and Dry Waste are collected by the Gandhinagar Municipal Corporation on daily basis. Surplus food is donated to selected farmers to feed their cattle. Skins of fruit and vegetables are used for Wormy Compost.
2. **Horticulture Waste:** Dry leaves and flowers, cut lawns, hedges etc., are processed as Organic Waste Compost and Wormy Compost. The fertilizer thus generated is being used for campus trees and gardens.
3. **Drinking Water Treatment Plant** (Capacity: 6,000 LPH): Residual water is used for washing purposes. The generated water (fresh) is used for drinking and cooking.
4. **Sewage Treatment Plant** (Capacity: 3,50,000 Ltr per day): The sewage treated water is used to irrigate trees, bushes, lawns and gardens.

5   **Trees and Gardens:** The campus is full of trees (more than 150 varieties) and they were planted over a period of time. It has several pockets of gardens with flowering plants and a herb garden. The campus is turned into a 'plastic free.' Campus.

7.2 Best Practices

Describe at least two institutional best practices

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

1. Student-Faculty relationship: No formal appointment is desired or in practice. Students can meet a faculty anytime.
2. Staff-Faculty relationship: There is no hierarchy. They enjoy a very cordial relationship. Students organize sports and games competitions (friendly) of faculty and staff on occasion of the Teachers' Day.

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust

Provide the weblink of the institution in not more than 500 words

Environment friendly and plastic-free campus

8. Future Plans of action for next academic year (500 words)

In these two years "AQAR" we learnt that our approach was currently provider-centric. It needs to be changed to user-centric. A strong and transparent feedback system would help us understand how we are positioned among the stakeholders. We need to analyse such feedback. For example our NIRF ranking went down from 70 to 106. One of the critical reasons would be the downfall in 'Perception' and outreach and inclusivity parameters.

Perception is not a parameter which can change overnight, but if it declines, improving it demands a lot of effort. In the next year we would take up the issue of why the perception about DA-IICT has gone down and what we should be doing to get back to a better public perception.

Name Dr. Anil K. Roy   Name Prof. K.S. Dasgupta

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

Dr. K S Dasgupta
Director
DA-IICT, Gandhinagar.

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Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence

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For Communication with NAAC

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