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

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, 2017 to June 30, 2018)*

<u>Part – A</u>

Data of the Institution

(data may be captured from IIQA) **1.** 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: State/Central/Deemed/ \Private: State University (Tick appropriative) • Type of Institution: $\sqrt{\text{Co-education/Men/Women}}$: Co-education • Location : Rural/Semi-urban/ \sqrt{Urban} : Urban

Financial Status: Centrally funded/state funded/\delta Private: Private • (please specify)

•	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:

https://www.daiict.ac.in/institute/iqac/

Web-link of the AQAR: (Previous Academic Year): This is the first IQAR, so no weblink of the previous report can be provided.

4. Whether Academic Calendar prepared during the year? Yes

Yes/No...., if yes, whether it is uploaded in the Institutional website: Yes

Weblink:

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

5.	Accreditation	Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	А	3.11	2017	from: 27/11/2017 to: 26/11/2022
2^{nd}				from: to:
3 rd				from: to:
4 th				from: to:
5 th				from: to:

6. Date of Establishment of IQAC:

DD/MM/YYYY:

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		Number of					
IQAC	Date & duration	participants/beneficiaries					
a) Regular meeting of IQAC	15/07/2015	9 members present					
	14/09/2016	10 members present					
	06/03/2017	9 members present					
20/03/2018 11 members p							
b) Submission of AQAR							
c) Feedback from graduating B.Tech	2011-2018 (each year	208 respondent in 2011					

2014 batch collected and analysed	in May), analysis is	206 respondent in 2014
and circulated among all faculty	done of 2011, 2014,	203 respondent in 2015
and functions heads	2015 & 2018 years	258 respondent in 2018
	data	1
d) Participation in NIRF	NIRF 2017	RANK - 70

<u>Note</u>: 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

8. Provide the list of Special Status conferred by Central/ State Government-

Institution/		Funding	Year of award with	
Department/Faculty	Scheme	agency	duration	Amount
Government of	Mentorship of	Government	2014 (2014-2018)	Rs. 20
Gujarat	Indian Institute	of India		Lakh per year
	of Information			
	Technology			
	Vadodara			
Government of	Anchor/Nodal	Government	2018 (2018-2023)	Rs. 10 Crore
Gujarat	Institute	of India		(total grant)

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

*upload latest notification of formation of IQAC

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: <u>https://www.daiict.ac.in/institute/iqac/</u>Yes/No: Yes

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes/No: **No**

If yes, mention the amount:

- 12. Significant contributions made by IQAC during the current year (maximum five bullets)
 - * Sensitization towards collecting inputs for improvement from the feedback
 - * Analysis of feedback data started for the larger interest of the institute
 - * All process owners (convenors of various functional committees) are asked to submit the process document of the functions they are accountable for. These will be the basic document to ensure quality and to measure improvements.
- **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

Plan of Action	Achievements/Outcomes

14. Whether the AQAR was placed before statutory body?Yes /No:NoName of the statutory body:Date of meeting(s):

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?

Yes/No: Yes

- 16. Whether institutional data submitted to AISHE: Yes/No: YesYear: 2017-18 Date of Submission: 08/03/2018
- 17. Does the Institution have Management Information System?

Yes/No

Yes

Date: 14/09/2017

If yes, give a brief description and a list of modules currently operational. (Maximum 500 words)

The Institute has integrated Management Information Systems called 'E-campus.' The Ecampus 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 forms, 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 hotel 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 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.

<u>Part-B</u>

CRITERION I – CU							
1.1 Curriculum Desi			carried out during the Aca	ademic vear			
Name of	Programme Coo		es of revision	auenne year			
programme	i iogramme coo						
None							
Tione							
1.1.2 Programmes/cou Academic year	urses focussed or	employabili	y/ entrepreneurship/ skill	development	during the		
Programme with	Date	of Co	ourse with Code	Date of I	ntroduction		
Code	Introduo	tion					
	·	Cle	oud Computing IT627				
I	NIL	(M	Sc IT Optional)	Autumn Se	m 2017-18		
		1.	CAD of VLSI EL454				
		2.	Approximation				
		Al	gorithms (SC515)				
		3.	Specification and				
			rification of Computing				
			stems (IT560)				
			Recommendation Engine				
		an	d Applications (IT562)	Winter Sen	n 2017-18		
.2 Academic Flexibi	•						
.2.1 New programme	es/courses introd	uced during th	ne Academic year				
Programme/Course				Date of	introduction		
No New Programme i	ntroduced						
New Course introduce	ed in the 2017-18	Academic Y	ear	Autumn	Semester		
	s of Economics			2017-18	2017-18 Academic		
			(UG Elective) 3-0-0-3	Year			
SC524 Parallel Di	stributed Dynam	ic Algorithms	s (MTech Regular) 3-0-0-3	3			
T627 Cloud Con	nputing (MSc IT	Optional) 3-0)-0-3				
EL454 CAD of V	LSI (UG Elective	e) 2-0-2-3		Winter S	Semester		
1	ent Trajectories (,		2017-18	Academic		
•	1	•	UG Elective) 3-0-0-3	Year			
			(UG Elective) 3-0-0-3				
	ation Algorithms						
	on and Verification	on of Compu	ting Systems (MTech				
Elective) 3-0-0-3							
	ndation Engine a	nd Applicatio	ns (MTech Elective) 3-0-0)-			
	а с т ·						
	*		n Elective) 3-0-0-3		····· 1 · · · ·		
-		•	stem (CBCS)/Elective Co	urse System	implemented		
t the University level		•	Data of implanant-th		DC		
Name of Programmes	UG	PG	Date of implementation	on UG	PG		
dopting CBCS			of CBCS / Elective Course System				
			L'ourgo Virstama				

1.3 Curriculum En	richment						
1.3.1 Value-added c	ourses imparting transfe	rable and life skills o	ffered during the yea	r			
Value added courses	S	Date of introduction	Date of introduction Number of students				
Development Trajec	ctories (HM486)	Winter Sem 2017-	18 91				
1.3.2 Field Projects	/ Internships under taken	n during the year					
Project/Pr	rogramme Title	No. of students	enrolled for Field Pro	ojects / Internships			
1. BTech – Rural In	ternship (PC232)	297 (AY 2017-18	, Winter Semester)				
2. BTech – Summer Research Internship							
(PC334)		195 (AY 2017-18	, May-July 2018)				
3. BTech – Industria	al Internship (PC333)	97 (AY 2017-18,	May-July 2018)				
4. BTech Project (m	ninor in CS) (PC424)	55 (AY 2017-18,	55 (AY 2017-18, Jan-April 2018)				
5. BTech Project (IC	CT) (PC422)	222 (AY 2017-18	222 (AY 2017-18, Jan-April 2018)				
6. MSc (IT) – Summ	ner Internship (PC649)						
		113 (AY 2017-18	113 (AY 2017-18, Summer Semester)				
7. MSc (IT) Project	(PC614)	110 (AY 2017-18	110 (AY 2017-18, Final Semester Internship (Dec 2017-				
		May 2018)					
8. MDes (CD) Proje	ect (PC714)	12 (AY 2017-18, Final Semester Internship (Dec 2017-					
		May 2018)					
9. MSc ICTARD Pr	oject (PC862)	3 (AY 2017-18, J	3 (AY 2017-18, Jan-April 2018)				
1.4 Feedback Syste	em						
1.4.1 Whether struct	tured feedback received	from all the stakehold	lers.				
1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents			

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
YES	NO	NO	NO	NO

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Student Feedback is an exit feedback of B.Tech students at the time of their BTP defence in May month. It is a single page form of 18 questions pertaining to all aspects of campus life including academics, curriculum related, extra-curricular, sports, library, administration, hostel and overall impression on a scale of 1 to 5. The mean is then computed for each of them and shared among all activity owners for their information and subsequent introspection.

CRITERION II - TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year							
	Number of seats	Number of	Students Enrolled				
Name of the Programme	available	applications received					
1. BTech (ICT)	288	2901	263				
2. B.Tech (honours in ICT with minor in CS)	72		71				
3. MTech (ICT)	80	264	86				
4. MSc (IT)	120	504	120				

5. MDes (CD)			20			22				6
6. PhD		10-20			94		6		6	
2.2 Cat	ering to St	tudent Diver	sity							
2.2.1. S	tudent - 1	Full time tea	acher ra	ntio (current y	ear	r data)				
enrolled in the		enrolle	Number of students enrolled in the institution (PG)		teachers available in the institution it teaching only UG to the second		Number of full time teachers available in the institution teaching only PG courses		Number of teachers teaching both UG and PG courses	
2017- 18 1209			381		-		-		53	
2.3 Tea	aching - I	earning Pr	ocess				I			
	U		0	CT for effectiv rrent year data		eaching with Le	arni	ng Mana	gemer	nt Systems
Numbe		Number of	,	ICT tools and				Number of		E-resources
teachers on roll teachers us ICT (<i>LMS</i> ,		teachers us ICT (<i>LMS</i> , <i>Resources</i>)	e-	resources available				smart classrooms		and techniques used
53 53			Open source C open source softwares, license OS, license software,	DS,	14 Class rooms 2 Workshops]	1 Smart c lab 1 IR Lab 1 Speech			
		53	Projector, testing and measurement instruments,			(1) 17 nos. of teaching labs.				
			electronics kits/boards, electronics components		(2) 09 nos. of non-teaching labs					
2.3.2 S	tudents m	entoring sys	tem ava	ilable in the in	stit	ution? Give deta	ails.	(maximu	$m \overline{500}$	words)
Nur	nber of stu	idents enroll	ed in the	e institution	l	Number of fullti	me t	eachers		or: Mentee
1590					Ratio 53 1:30			1:30		

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					
NA	53	NA	2	51					

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)

bodies during t	the year)					
Year of award	Name of full		eceiving awards from ternational level	Des	ignation	Name of the award, fellowship, received from Government or recognized bodies
16 January	Dr. Saurab	h Tiwari		As	sistant	Early Career Research
2018		DI. Sauraon Hwan				Award, from SERB (DST), Govt. of India
9 January 2018	Prof. Hem	ant Patil		Professor		APSIPA Distinguished Lecturer for Term 2018- 2019, from APSIPA (Asia- Pacific Signal and Information Processing Association) IRE Board
30 October 2017	Dr. Anil R	оу			sociate ofessor	IEEE Sensors Council 2017 Meritorious Service Award, from the IEEE Sensors Council
	-		mester-end/ year- end/			till the declaration of results declaration of results of
Name	Code	year	semester-end/ year end examination	[-	semester	r-end/ year- end examination
1. BTech (ICT)	01	2017-18	Autumn: 04-12-2 Winter: 02-05-20			Autumn:14-12-2017 Winter: 10-05-2018
2. BTech (honours in ICT with minor in CS)	01	2017-18	Autumn: 04-12-2 Winter: 02-05-20			Autumn:14-12-2017 Winter: 10-05-2018
3. MTech (ICT)	11	2017-18	Autumn: 04-12-20 Winter: 02-05-20			Autumn:14-12-2017 Winter: 10-05-2018
4. MSc (IT)	12	2017-18	Autumn: 04-12-20 Winter: 02-05-20			Autumn:14-12-2017 Winter: 10-05-2018
5. MDes (CD)	14	2017-18		Autumn: 04-12-2017 Winter: 02-05-2018		Autumn:14-12-2017 Winter: 10-05-2018
6. PhD	21	2017-18	Autumn: 04-12-2 Winter: 02-05-20			Autumn:14-12-2017 Winter: 10-05-2018

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

8		
Number of complaints or grievances about	Total number of students	Percentage
evaluation	appeared in the examination	
None		

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

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

2.6.2 Pass pe	ercentage (of students		
Programme Program Code me name		Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
01	BTech (ICT)	227	218	96.03
01	BTech (honour s in ICT with minor in CS)	55	55	100
11	MTech (ICT)	59	55	93.22
12	MSc (IT)	111	111	100
14	MDes (CD)	12	12	100
21	PhD	11	11	100

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 Teachers awarded National/International fellowship for advanced studies/ research during the year									
	Name of theName of the AwardDate of AwardAwarding								
	teacher								
	awarded the								
	fellowship								
National	NationalProf. SaurabhEarly Career Research16 January 2018SERB (DST)								

	Tiwari	Award		Govt. of India
International	Prof. Hemant	APSIPA Distinguished	9 January 2018	APSIPA (Asia-
	Patil	Lecturer for Term 2018-		Pacific Signal
		2019		and Information
				Processing
				Association) IRE
				Board
	·			
3.1.2 Number of J	RFs, SRFs, Post	Doctoral Fellows, Research	Associates and other fel	lows in the
Institution enrolled	d during the year			
Name of Resear	ch fellowship	Duration of fellowship		Funding agency
				ISRO, DoS,
Indian Dessen	ah Dallamahin			DAE-BRNS,
Junior Research Fellowship		1-3 years		DST-SERB,
(JRF) – 11 Nos				MHRD-
				IMPRINT
Project Person	nel – 2 Nos.	1-3 ye	ars	DeITY

a N				Project Incharge / Co-		Funding	Relieving	
Sr.No.	Id Number	Name of Fellow	Designation	PI	Duration	Agency	Date	Remarks
			Project	Prof. Hemant				
1	201200109	HARDIK SAILOR	personnel	Patil	16/05/2012	Deity	31/05/2018	
				Prof. Deepak				
		DANKAT	Junior	Ghodgaonkar				
		PANKAJ	Research	& Prof. Sanjeev	01/05/2015	DOG	20/11/2015	
2	201500101	CHAUDHARY	Fellow	Gupta	01/06/2017	DOS	30/11/2017	
			Junior					
			Research	Prof. Bhaskar	22/03/2016&			upto
3	201600103	MIRAL SHAH	Fellow	Chaudhury	01/10/2018	DAEBRNS		31/03/2018
		MEETKUMAR	Project	Prof. Hemant				
4	201600111	SONI	personnel	Patil	15/11/2016	Deity	31/12/2017	
			Junior					
		ANKUR	Research	Prof. Biswajit				
5	201700101	POKHARA	Fellow	Mishra	13/02/2017	DOS	30/06/2018	
			Junior					
_			Research	Prof. Saurabh				upto
6	201700106	DEEPTI AMETA	Fellow	Tiwari	03/07/2017	SERB		28/02/2019
			Junior	Prof. Deepak				
		RAHUL	Research	Ghodgaonkar				upto
7	201700107	VASHISTH	Fellow	&	01/08/2017	DMASRS		31/07/2018

l				Prof. Sanjeev Gupta				
8	201700108	VIRAL DAVE	Junior Research Fellow	Prof. Ranendu Ghosh	05/09/2017	ISRO		upto 04/09/2020
9	201800101	GAURAV ARORA	Junior Research Fellow	Prof. Prasenjit Majumder	02/01/2018	MHRD	05/06/2018	
10	201800102	SWATI PRIYA	Junior Research Fellow	Prof. Ranendu Ghosh	01/02/2018	DOS-ISRO		upto 31/01/2021
11	201800103	MEGHA PANDYA	Junior Research Fellow	Prof. Ranendu Ghosh	02/04/2018	DOS-ISRO		upto 31/03/2021
12	201800116	SURUPENDU GANGOPADHYAY	Junior Research Fellow	Prof. Prasenjit Majumder	01/06/2018	MHRD		upto 31/07/2019
13	201800117	NUPUR JAIN	Junior Research Fellow	Prof. Biswajit Mishra	01/08/2018	DOS		upto 31/01/2019

3.2 Resource Mobilization	for Research	1		
3.2.1 Research funds sanction	oned and rece	ived from various agen	cies, industry and other of	organisations
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	1-3 years	SAC-ISRO, DST-SERB, ICSSR	Rs. 134.0 lakhs	Rs. 33,80,940 (of current year's projects) Rs. 15,64,896 of all previous projects
Minor Projects				
Interdisciplinary Projects				
Industry sponsored Projects				
Projects sponsored by the University	1 year	DA-IICT (Seed Grant)	Rs. 1.28 lakhs	Rs. 1.28 lakhs
Students Research Projects (other than compulsory by the University)				
International Projects	3 years	DST (Indo-French)	Rs. 17.67 lakhs	Rs. 4,41,726
Any other(Specify)				
Total			Rs.152.95 lakhs	

Year	Sr. No.	Project Code	Title	РІ/ СО-РІ	Agency	Total Sanctioned Amount (in INR)
	1	SP- 17/DoS/BSM /TDCSA	Development of Ultra Low Power And Low Voltage Time to Digital Converter (TDC) for Space Applications	Prof. Biswajit Mishra & Prof. Mazad Zaveri	SAC-ISRO	15,52,500
	2	17/ISRO/RA G/AVIRIS	Detection of heavy metal pollution in vegetation and characterization of soil clay minerals using AVIRIS-NG Data	Prof. Ranendu Ghosh & Prof. P.S. Kalyan Sasidhar	SAC-ISRO	21,00,000
2017- 2018	3	17/SERB/SA T/TAFUC	"UCMA: A Toolset to Automatically Analyze Functional Requirements Specified in the Use Cases	Prof. Saurabh Tiwari	SERB	9,65,690
	4	17/DMASRS/ DKG/ISRO	RESPOND Project - "Development of microwave absorber (Carbonyl Iron filled Silicon Rubber Sheets) in 1 to 8 GHz range"	Prof Deepak Ghodgaonkar & Prof Sanjeev Gupta	SAC-ISRO	22,17,000
	5	17/ISRO/RA G/DLDMVA	Desertification and Land Degradation: Monitoring, Vulnerability Assessment and Combating Plans"	Prof Ranendu Ghosh	SAC-ISRO	42,00,000
	6	17/MHRD/P M/IMPRINT	Imprint 'A platform for Crosslingual and Multilingual Event Monitoring in Indian Languages	Prof Prasenjit Majumder	IIT Kharagpur	5,90,970
	7	18/ICSSR/A DP/MSMAS P	Using Mobile Sensing Mechanism to access Smart Phone Addiction and Its Negative Impact on students	Prof Alka Parikh & Prof Kalyan Sasidhar	ICSSR	15,00,000

Title of the	Name	of the	Awarding Agency	Date of A	ward	Category	
innovation	Awar		110000000000000000000000000000000000000	2		Curregory	
Best University in	DA-IICT		Government of	5 Oct 2017		University	
Innovation in			Gujarat			5	
Gujarat			5				
Plant disease	Vaibhav F	Patel and	Summer Innovation	September 2017	,	Student -	
detection using	Maharishi	Vyas -	Challenge 2017 by	1		Technological	
Deep Learning	First prize	•	Government of			Innovation Cat	
Method	Technolog		Gujarat			egory	
	Innovation		5				
	Category						
				·			
		created, s	start-ups incubated on ca	ampus during the y	/ear		
Incubation Ce	entre		Name			nsored by	
Nodal Institute for	Start-uns		Nodal Institute for Sta	art-uns		Commissionerate	
	Start ups		Notal Institute for Su	ar ups		of Gujarat)	
					Department of Higher		
Student Start-up Ir	novation				Education (Govt. of Gujarat)		
Policy	nio (u tion	Student Start-up Innovation Policy			Started on 2 July 2010		
1 0110 9					Total fund received Rs. 102.5		
					lacs		
Name of the St	art-up		Nature of Start-u	ID	Date of c	ommencement	
	urt up	Does a					
Yoctosehns Techno	ologies	Does a through monitoring of cattle at a low cost. It helps in estrus detection with a simple					
Private Limited (Pre	of.	· · ·			28 Nov 2017		
Biswajit Mishra)		user interface.					
		Generic	approached based accid	lent detection			
Prof. Rutu Parekh			fication system for mote			Feb 2018	
1 IOI. Rutu I arckii			fileation system for mot		SSIP -	- 1,19,000/-	
		OBD ba	used emission test and du	riving behavior		7.1.0010	
Prof. Rutu Parekh			n system	C		Feb 2018	
			-		SSIP	- 78,749/-	
Design an			and development of an IoT enabled		011	Tab 2019	
Prof. Kalyan Sasidh	nar	smart re	frigerator			Feb 2018	
						- 60,691/-	
		Crop disease identification and advisory			21	21 Feb 2018	
Prof. Ranendu Ghosh		· · · · · · · · · · · · · · · · · · ·					
Prof. Ranendu Ghos	sh				SSIP -	- 2,00,000/-	

3.4 Research Publications and Awards

Books:

- Alka Parikh, "<u>Risks in Agriculture : Farmers' Perspective</u>," Singapore: Springer, 10 Dec. 2017. doi:10.1007/978-981-10-6271-1
- Alka Parikh, Sumit Singh, and Krati Agrawal, "<u>India's Growth Story: Sector-wise</u>," Germany: Lambart Academic Publishing, 14 Jul. 2017. isbn: 978-3659609602
- Shweta Rao Garg, Deepti Gupta (Eds.), "<u>The English Paradigm in India : Essays in Language, Literature and Culture</u>," Palgrave Macmillan, Singapore, 02 Oct. 2017. doi:10.1007/978-981-10-5332-0
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- 45. Deepti Ameta, and **Pokhar Mal Jat**, "<u>Information extraction from wikipedia articles using DeepDive,"</u> in 2018 International Conference on Communication information and Computing Technology (ICCICT), Mumbai, India, 02-03 Feb. 2018, pp. 1-6. doi: 10.1109/ICCICT.2018.8325869
- 46. Rutu Parekh, Maryam Shojaei Baghini, and Bipin Rajendran, "<u>Modeling and Simulation of 1/f Noise During Threshold</u> <u>Switching for Phase Change Memory</u>," in Advanced Computational and Communication Paradigms: Proceedings of International Conference on ICACCP 2017, Volume 1, Bhattacharyya S., Gandhi T., Sharma K., Dutta P., Eds., Lecture Notes in Electrical Engineering, vol 475, Singapore: Springer, 2018. doi: 10.1007/978-981-10-8240-5_8.
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- 48. Paramvir Singh, Sheikh Umar Farooq, and Saurabh Tiwari, "<u>A Report on the Workshop on Emerging Software Engineering Education (WESEE 2018),"</u> in *Proceedings of the 11th Innovations in Software Engineering Conference (ISEC '18)*, Hyderabad, India, 9-11 Feb. 2018, article no. 20. Doi: 10.1145/3172871.3180076
- 49. Saurabh Tiwari, and Santosh Singh Rathore, "<u>Coupling and Cohesion Metrics for Object-Oriented Software: A</u> <u>Systematic Mapping Study,"</u> in *Proceedings of the 11th Innovations in Software Engineering Conference (ISEC '18)*, Hyderabad, India, 9-11 Feb. 2018, article no. 8. doi: 10.1145/3172871.3172878
- 50. Saurabh Tiwari, Veena Saini, Paramvir Singh, and Ashish Sureka, "<u>A Case Study on the Application of Case-Based</u> <u>Learning in Software Testing,"</u> in *Proceedings of the 11th Innovations in Software Engineering Conference (ISEC '18)*, Hyderabad, India, 9-11 Feb. 2018, article no. 11. Doi: 10.1145/3172871.3172881
- 51. Saurabh Tiwari, Deepti Ameta, Paramvir Singh, and Ashish Sureka, "<u>Teaching Requirements Engineering Concepts</u> <u>using Case-Based Learning,</u>" in Second International Workshop on Software Engineering Education for Millennials (SEEM 2018) co-located to 40th International Conference on SoftwareEngineering (ICSE 2018), Gothenburg, Sweden, 27 May-03 Jun, 2018, pp. 1-8. arXiv: 1804.01770
- 52. Mukesh M. Goswami, and Suman K. Mitra, "<u>Printed Gujarati Character Classification Using High-Level Strokes,"</u> in *Proceedings of 2nd International Conference on Computer Vision & Image Processing (CVIP 2017)*, IIT Roorkee, 09-12 Sept. 2017.[First Online: 05 May 2018] Doi: 10.1007/978-981-10-7898-9_16
- 53. Meet H. Soni, Neil Shah, and **Hemant A. Patil**, "<u>Effectiveness of speech enhancement using generative adversarial</u> <u>network</u>," accepted in *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, Alberta, Calgary, Canada, 15-20 Apr. 2018.
- 54. Milind Shah and **Sanjeev Gupta**, "Baseband I/Q regeneration Method for Direct Conversion Receiver to nullify effect of Second Order Intermodulation Distortion", IMaRC-2017, Ahmedabad, December 11-13, 2017.
- 55. Vineet Dad and **Sanjeev Gupta**, "Novel High Q Coaxial Resonator Filter for Millimeter Wave Application", IMaRC-2017, Ahmedabad, December 11-13, 2017.

Conference Papers (National):

- 1. Hardik B. Sailor and H. A. Patil, "Representation learning for speech recognition system in agriculture commodity for Gujarati," in *Global Conference on Cyberspace (GCCS)*, MeitY, Govt. of India, New Delhi, 23-24 November 2017.
- Shaival Thakkar, and Manjunath V. Joshi, "<u>Classification of Human Actions Using 3-D Convolutional Neural Networks: A Hierarchical Approach,"</u> in National Conference on Computer Vision, Pattern Recognition, Image Processing, and Graphics (NCVPRIPG- 2017), Mandi, India, 16-19 December, 2017, pp. 14-23. Doi: 10.1007/978-981-13-0020-2_2 [Published on 26 April. 2018]
- Shaival Thakkar, and Manjunath V. Joshi, "Design of Biorthogonal Wavelet Filters of DTCWT Using Factorization of <u>Halfband Polynomials,"</u> in National Conference on Computer Vision, Pattern Recognition, Image Processing, and Graphics (NCVPRIPG- 2017), Mandi, India, 16-19 December, 2017, pp. 150-162. Doi: 10.1007/978-981-13-0020-2_14 [Published on 26 April. 2018]

3.4.1 PhDs awarded during the year

Name of the Department			No. of PhDs Awarded				
	ICT				11		
	Student Id	Student Nam	e		Degree Awarded (20 January 2018)		
	201021001	NAVEEN KU	JMAR		14 th Convocation		
	201021003	SHAH MILIN	ID		14 th Convocation		
	201021013	SONAM NAI	IAR		14 th Convocation		
	201121003	MAULIK CH	ANDULAL MADHAV	[14 th Convocation		
	201121004	V. RAM NAF	RESH KUMAR		14 th Convocation		
	201121012	SHALINI A F	RANKAWAT		14 th Convocation		
	201121013	SARITA AGI	RAWAL		14 th Convocation		
	201121015	PADALKAR	R MILIND GAJANAN		14 th Convocation		
	201121016	SHRISHAIL	SHARAD GAJBHAR		14 th Convocation		
	201221003	TANVINA B	HUPENDRABHAI PAT	EL	14 th Convocation		
	201221013	VANDANA I	RAVINDRAN		14 th Convocation		
3.4.2 Research	Publications i	n the Journals	notified on UGC web	site during t	he year		
	Department No.			A	verage Impact Factor,	if any	
	National ICT				NA		
International ICT			32		2.9404		
Journal Title						IF	
	of Selected Topi	cs in Signal Pro	ocessing			6.688	
	aner Production					6.395	
IEEE Transact	ions on Intellige	ent Transportati	on Systems			5.744	

IEEE Transactions on Vehicular Technology 5.339								
IEEE Transactions on Antennas	IEEE Transactions on Antennas and Propagation 4.435							
IEEE Transactions on Broadcas	ting		4.374					
Information Processing & Mana	agement		3.892					
Big Data Research			2.952					
Computer Communications			2.766					
Computer Communications			2.766					
IEEE Transactions on Electrom	agnetic Compatibility		2.274					
Quantum Information Processin	.g		2.222					
Circuit, System and Signal Proc	eesing		1.922					
Circuits, System, and Signal Pro	ocessing		1.922					
Optik : International Journal for	Light and Electron Op	otics	1.914					
Computer Speech & Language			1.857					
Computer Speech & Language			1.857					
Computer Speech & Language			1.857					
International Journal of Satellite	e Communications and	Networking	1.633					
KONA Powder and Particle Jou	rnal		1.553					
Journal of Heat Transfer			1.479					
Wireless Personal Communication	ions		0.929					
European Journal of Physics			0.861					
IPSJ Transactions on Computer	Vision and Applicatio	ns						
Progress in Electromagnetics Re	esearch M							
International Journals of Contro								
		ogy, International Journal of Compu	iter, Electrical,					
Automation, Control and Inform								
Statistics, Optimization & Infor								
Electronic Notes in Discrete Ma								
Transportation Research Proced								
International Journal of Comput		potics						
International Journal of Image a	^							
Indian Journal of Science and T	echnology							
3.4.3 Books and Chapters in e	dited Volumes / Boo	ks published, and papers in Nation	onal/International					
Conference Proceedings per T								
Department		No. of publication						
	4 Books							
		ted volume of Books						
ICT		rnational Conferences						
	• 3 Papers in Natio							
	Per Teacher 1.32 (70 publication / 53 Full Time F	aculties)					
244 D-4 11' 1 1/ 1	ad density of							
3.4.4 Patents published/award								
	Patent status							
Patent Details	Published/Filed	Patent Number	Date of Award					

NIL	NIL		NA		NA	
4.5 Bibliometrics of the pu cience or PubMed/ Indian C	e	e last Academic year	based on aver	age citation	index in Scop	us/ Web of
Title	Authors	Source Title	Publicatio n Year	Citation Index	Institution al affiliation as mentioned in the publicatio n	Number citations excluding citations
Securing wireless sensor networks with public key rechniques	Kumar V., Das M.L.	Ad-Hoc and Sensor Wireless Networks	2018	Scopus		9
Auditory filterbank earning for temporal nodulation features in replay spoof speech	Sailor H.B., Kamble M.R.,	Proceedings of the Annual Conference of the International Speech Communication Association,				
letection Human action recognition using fusion of features for unconstrained video equences	Patil H.A. Patel C.I., Garg S., Zaveri T., Banerjee A., Patel R.	INTERSPEECH Computers and Electrical Engineering	2018	Scopus Scopus		5
Foward better statistical validation of machine earning-based nultimedia quality estimators	Narwaria M.	IEEE Transactions on Broadcasting	2018	Scopus		5
An Efficient Crosstalk Model for Coupled Multiwalled Carbon Nanotube Interconnects	Kumar M.G., Chandel R., Agrawal Y.	IEEE Transactions on Electromagnetic Compatibility	2018	Scopus		5
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		4
Effective aggregation of various summarization echniques	Mehta P., Majumder P.	Information Processing and Management	2018	Scopus		4
Effectiveness of speech lemodulation-based eatures for replay	Kamble M.R., Tak H., Patil	Proceedings of the Annual Conference of the International Speech Communication	2010			
detection	H.A.	Association,	2018	Scopus		4

		INTERSPEECH			
Combining evidences					
from magnitude and					
phase information using					
VTEO for person					
recognition using	Patil H.A.,	Computer Speech			
humming	Madhavi M.C.	and Language	2018	Scopus	2
Scattering of surface	Mudilu VI MI.C.	Applied	2010	beopus	
gravity waves over a pair	Kar P., Koley S.,	Mathematical			
of trenches	Sahoo T.	Modelling	2018	Scopus	2
Let's HPC: A web-based	Chaudhury B.,	Wodening	2010	Scopus	2
platform to aid parallel,	Varma A.,	Journal of			
distributed and high	Keswani Y.,	Parallel and			
performance computing	Bhatnagar Y.,	Distributed			
education	Parikh S.	Computing	2018	Scopus	2
Data Analysis in	I alikii 5.	Computing	2018	Scopus	2
Multimedia Quality	Narwaria M.,	IEEE			
Assessment: Revisiting	Krasula L., Le	Transactions on			
the Statistical Tests	Callet P.	Multimedia	2018	Seenus	2
	Callet F.	International	2018	Scopus	2
Designing mobile based		Journal of			
computational support for	Chab II				
low-literate community	Shah H.,	Human Computer	2019	C	2
health workers	Sengupta A.	Studies ICCT 2017 -	2018	Scopus	2
		International			
		Conference on			
		Intelligent			
Demonstration	II A M	Communication			
Perusal of web	Hasan A.M.,	and			
application security	Meva D.T., Roy	Computational	2019	Casara	2
approach	A.K., Doshi J.	Techniques	2018	Scopus	2
		2017 7th International			
Design of an all disidel		Symposium on			
Design of an all-digital,	D - 1-1 A	Embedded			
low power time-to-digital	Pokhara A.,	Computing and			
converter in 0.18µm	Agrawal J.,	System Design,	2010	G	2
CMOS	Mishra B.	ISED 2017	2018	Scopus	2
Coupling and cohesion		ACM			
metrics for object- oriented software: A	Timori C	International Conference			
	Tiwari S.,		2019	C	2
systematic mapping study	Rathore S.S.	Proceeding Series	2018	Scopus	2
		Proceedings of			
		the Annual			
		Conference of the			
		International			
Unsupervised vocal tract	Chab NJ	Speech			
length warped posterior	Shah N.J., Madhayi M.C	Communication			
features for non-parallel	Madhavi M.C.,	Association,	2019	Sacres	
voice conversion	Patil H.A.	INTERSPEECH	2018	Scopus	 2
Novel variable length		Proceedings of			
energy separation		the Annual			
algorithm using	Kamble MD	Conference of the			
instantaneous amplitude	Kamble M.R.,	International	2018	Saamera	2
features for replay	Patil H.A.	Speech	2018	Scopus	Δ

detection		Communication			
		Association,			
		INTERSPEECH			
		Proceedings of			
		the Annual			
		Conference of the			
		International			
Novel empirical mode		Speech			
decomposition cepstral		Communication			
features for replay spoof	Tapkir P.A., Patil	Association,	2010	C	2
detection	H.A.	INTERSPEECH	2018	Scopus	2
Fredholm integral					
equation technique for		European Iournel			
hydroelastic analysis of a	Kolay & Mondal	European Journal of Mechanics,			
floating flexible porous	Koley S., Mondal	B/Fluids	2018	Coordina	2
plate Sensor Based Hand	R., Sahoo T.	B/Fluids	2018	Scopus	2
Gesture Recognition					
System for English					
Alphabets Used in Sign	Jami A.D. Katalı	Drossadings of			
Language of Deaf-Mute	Jani A.B., Kotak	Proceedings of IEEE Sensors	2018	Saamua	1
People GaAs MMIC low noise	N.A., Roy A.K.	IEEE Sensors	2018	Scopus	1
		and Wireless			
amplifier with integrated	Rao C.V.N.,				
high-power absorptive receive protection switch	Ghodgaonkar D.K., Sharma N.	Components Letters	2018	Saamua	1
Improving the efficiency	D.K., Sharma N.	International	2018	Scopus	1
of solid-state power		Journal of			
amplifier by frequency		Satellite			
switching for satellite	Doshi R.J.,	Communications			
communication	Ghodgaonkar D.	and Networking	2018	Scopus	1
Family of Constrained	Limbachiya D.,	IEEE	2010	Scopus	1
Codes for Archival DNA	Gupta M.K.,	Communications			
Data Storage	Aggarwal V.	Letters	2018	Scopus	1
ONPPn: Orthogonal		Letters	2010	Beopus	1
Neighborhood Preserving					
Projection with					
Normalization and its	Koringa P.A.,	Image and Vision			
applications	Mitra S.K.	Computing	2018	Scopus	1
Accelerated simulation of		Companing	2010	Scopus	1
microwave breakdown in					
gases on Xeon Phi based					
cluster-application to	Chaudhury B.,	Computer			
self-organized plasma	Gupta A., Shah	Physics			
pattern formation	H., Bhadani S.	Communications	2018	Scopus	1
	,	International	2010	~	-
		Symposium on			
		Advanced			
		Networks and			
On the Security of		Telecommunicati			
Remote Key Less Entry	Patel J., Das	on Systems,			
for Vehicles	M.L., Nandi S.	ANTS	2018	Scopus	1
Performance evaluation		11th IEEE		-	
of memory guided	Mudliar S.,	International			
directional MAC protocol	Pillutla L.S.	Conference on	2018	Scopus	1
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in the presence of relays		Advanced			
		Networks and			
		Telecommunicati			
		ons Systems,			
		ANTS 2017			
		International			
		Conference on			
		Recent			
		Innovations in			
		Signal Processing			
Cuffless blood pressure		and Embedded			
monitoring using PTT	Mishra B.,	Systems, RISE			
and PWV methods	Thakkar N.	2017	2018	Scopus	1
Multivariate-data-	Shah A.,				
visualization-based	Chauhan Y.,				
investigation of	Patel P.,	European Journal			
projectiles in sports	Chaudhury B.	of Physics	2018	Scopus	1
A Unified Delay, Power	,	<i>J</i>		r	-
and Crosstalk Model for					
Current Mode Signaling	Agrawal Y.,	Circuits,			
Multiwall Carbon	Kumar M.G.,	Systems, and			
Nanotube Interconnects	Chandel R.	Signal Processing	2018	Scopus	1
	Chunder IX.	2018 10th	2010	Beopus	1
		International			
		Conference on			
		Communication			
SNR wall for cooperative		Systems and			
-		Networks,			
spectrum sensing using	Contain V M	COMSNETS			
generalized energy detector	Captain K.M., Joshi M.V.	2018	2018	Saamua	1
	JOSHI IVI. V.		2018	Scopus	1
Image compression using		Proceedings of			
2D-discrete wavelet		the IEEE			
transform on a light		International			
weight reconfigurable	Jain N., Singh	Conference on	2010	G	1
hardware	M., Mishra B.	VLSI Design	2018	Scopus	1
Human detection in					
complex real scenes					
based on combination of	Prakash O.,				
biorthogonal wavelet	Gwak J., Khare				
transform and Zernike	M., Khare A.,				
moments	Jeon M.	Optik	2018	Scopus	1
		IEEE			
		International			
		Symposium on			
Adaptive learning based		Personal, Indoor			
directional MAC protocol		and Mobile			
for millimeter Wave	Tiwari P., Meena	Radio			
(mmWave) Wireless	D.K., Pillutla	Communications,			
networks	A.S.	PIMRC	2018	Scopus	 1
Priority based functional		ACM			
group identification of	Nalla R., Pinge	International			
organic molecules using	R., Narwaria M.,	Conference			
machine learning	Chaudhury B.	Proceeding Series	2018	Scopus	1
DA-IICT/IIITV system	Sailor H.B., Siva	Proceedings of			
for low resource speech	Krishna M.V.,	the Annual	2018	Scopus	 1
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recognition challenge	Chhabra D., Patil	Conference of the			
2018	A.T., Kamble	International			
	M.R., Patil H.A.	Speech			
		Communication			
		Association,			
		INTERSPEECH			
		Proceedings of			
		the Annual			
		Conference of the			
		International			
		Speech			
Novel linear frequency		Communication			
residual cepstral feature	Tak H., Patil	Association,			
for replay attack detection	H.A.	INTERSPEECH	2018	Scopus	1
		Proceedings of		1	
		the Annual			
		Conference of the			
Effectiveness of		International			
generative adversarial		Speech			
network for non-audible		Communication			
murmur-to-whisper	Shah N., Shah	Association,			
speech conversion	N.J., Patil H.A.	INTERSPEECH	2018	Scopus	1
specen conversion	11.5., 1 atti 11.71.	Proceedings of	2010	Beopus	1
		the Annual			
		Conference of the			
		International			
		Speech			
Effectiveness of dynamic		Communication			
features in Inca and	Shah N. L. Datil				
	Shah N.J., Patil H.A.	Association, INTERSPEECH	2018	Saamua	1
temporal context-inca	п.А.		2018	Scopus	 1
		Communications			
A generative adversarial		in Computer and			
network for tone mapping	Patel V.A., Shah	Information	2010	C	1
HDR images	P., Raman S.	Science	2018	Scopus	1
		Proceedings of			
Early detection of lung		SPIE - The			
cancer from CT images:		International			
Nodule segmentation and	~	Society for			
classification using deep	Sharma M., Bhatt	Optical		~	
learning	J.S., Joshi M.V.	Engineering	2018	Scopus	1
Classification of human					
actions using 3-D		Communications			
convolutional neural		in Computer and			
networks: A hierarchical	Thakkar S., Joshi	Information			
approach	M.V.	Science	2018	Scopus	1
		Lecture Notes in			
		Computer			
		Science			
		(including			
		subseries Lecture			
A Multiresolution		Notes in			
Approach for Content-	Khare M.,	Artificial			
Based Image Retrieval	Srivastava P.,	Intelligence and			
Using Wavelet Transform	Gwak J., Khare	Lecture Notes in			
of Local Binary Pattern	Α.	Bioinformatics)	2018	Scopus	1
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GPU basedPoudel M.,ComputationalChaudhury B.,Simulation of AircraftSharma K.,	
Simulation of Aircraft Sharma K., Transportation	
Evacuation: Temporal Tabakov P.Y., Research	
and Spatial Analysis Mora-Camino F. Procedia 2018 Scopus 1	
Significance of Higher-	
Order Spectral Analysis Circuits,	
in Infant Cry Chittora A., Patil Systems, and	
Classification H.A. Signal Processing 2018 Scopus 1	
2017 9th	
International	
Novel Energy Separation Conference on	
Based Frequency Advances in	
Modulation Features for Pattern	
Spoofed Speech Kamble M.R., Recognition,	
Classification Patil H.A. ICAPR 2017 2018 Scopus 0	
2017 9th	
International	
Conference on	
Advances in	
Two Stage Zero-resource Pattern	
Approaches for QbE- Madhavi M.C., Recognition,	
STD Patil H.A. ICAPR 2017 2018 Scopus 0	
2017 9th	
International	
Conference on	
Soni M.H., Advances in	
Sub-band Autoencoder Sharma M., Pattern	
features for AutomaticSailor H.B., PatilRecognition,Speech RecognitionH.A.ICAPR 20172018Scopus0	
2017 9th	
International	
Conference on	
Unsupervised Filterbank Advances in	
Learning for Speech- Pattern	
based Access System for Sailor H.B., Patil Recognition,	
Agricultural Commodity H.A., Rajpal A. ICAPR 2017 2018 Scopus 0 Datable Table I Chan ba S 0	
Public Toilet Hygiene Chandra S.,	
Monitoring and Srivastava S., Proceedings of	
Reporting System Roy A. IEEE Sensors 2018 Scopus 0	
Proceedings -	
CVMP 2018:	
15th ACM	
SIGGRAPH	
European	
Lie bodies based 3D Conference on	
shape morphing and Bansal S., Tatu Visual Media	
interpolation A. Production 2018 Scopus 0	
RFM 2018 - 2018	
Dual Band Circularly IEEE	
Polarized Dielectric Chaudhary P., International RF	
Resonator Antenna using Ghodgaonkar and Microwave	
DSWPD with Phase D.K., Gupta S., Conference,	
Shifter for IRNSSShukla A.Proceedings2018Scopus0	
Permittivity andVashisth R.,RFM 2018 - 20182018Scopus0	

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Permeability	Ghodgaonkar D.,	IEEE			
Measurements of CISR	Gupta S.	International RF			
sheets for Microwave		and Microwave			
Absorber Applications		Conference,			
		Proceedings			
		2018 IEEE			
		International			
		WIE Conference			
		on Electrical and			
		Computer			
		Engineering,			
Query Processing for	Sha R., Pandat	WIECON-ECE			
Streaming RDF Data	A., Bhise M.	2018	2018	Scopus	0
		Proceedings of	2010	Deopus	0
		2018 IEEE			
		Applied Signal			
Scone change detection	Dotal I Dotal V	Processing			
Scene-change detection	Patel L., Patel K.,				
using locality preserving	Koringa P.A.,	Conference,	2010	G	0
projections	Mitra S.K.	ASPCON 2018	2018	Scopus	 0
		Proceedings of			
A modular approach for		2018 IEEE			
facial expression		Applied Signal			
recognition using euler		Processing			
principal component	Sujata, Trivedi	Conference,			
analysis (e-PCA)	M., Mitra S.K.	ASPCON 2018	2018	Scopus	0
		Physics Letters,			
	Ray A.K., Sarkar	Section A:			
A theoretical prediction	N., Basu A.,	General, Atomic			
of rotating waves in	Bhattacharjee	and Solid State			
Type-I hydraulic jumps	J.K.	Physics	2018	Scopus	0
		International		Î Î	
		Archives of the			
		Photogrammetry,			
		Remote Sensing			
		and Spatial			
Fuzzy integrated		Information			
desertification	Dave V.A., Sur	Sciences - ISPRS			
vulnerability model	K.	Archives	2018	Scopus	0
	К.	International	2010	Scopus	0
		Archives of the			
		Photogrammetry,			
	D 111 11	Remote Sensing			
	Desai K., Joshi	and Spatial			
Analysis of performance	P., Chirakkal S.,	Information			
of flat earth phase	Putrevu D.,	Sciences - ISPRS			
removal methods	Ghosh R.	Archives	2018	Scopus	0
		ISPRS Annals of			
		the			
	Varia N.,	Photogrammetry,			
Change detection of	Davawala N.,	Remote Sensing			
polarimetric SAR data for	Chirakkal S.,	and Spatial			
monitoring of agricultural	Haldar D., Ghosh	Information			
areas	R., Putrevu D.	Sciences	2018	Scopus	0
A Vector File Generation		Proceedings of			
Program for Simulating	Patel R., Agrawal	International			
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calibration of antenna	Reed J.H.	International				
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		RF Conference,				
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Novel high q coaxial		International				
resonator filter for		Microwave and				
millimeter wave	Dad V.K., Gupta	RF Conference,				
application	S.	IMaRC 2017	2018	Scopus		0
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	Limbachiya D.,	Symposium on				
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Computational						
investigation of power						
efficient plasma-based		IET Microwaves,				
reconfigurable microstrip	Vyas H.,	Antennas and				
antenna	Chaudhury B.	Propagation	2018	Scopus		0
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		Technologies for		1		
		Ground, Aircraft				
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flexible multifractal	Shah M., Gupta	Applications,		1		
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Design of compact		Modern				
circularly polarized		Technologies for		1		
rectangular dielectric	Chaudhary P.,	Ground, Aircraft				
resonator antenna with	Ghodgaonkar	and Satellite		1		
WBLC for navigational	D.K., Gupta S.,					
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satellite applications	Makwana G.D.	iAIM 2017	2018	Scopus		0
		International				
		Symposium on				
		Advanced				
Fast Private License Plate		Networks and				
Matching Using		Telecommunicati				
Symmetric Homomorphic	Vaishnav H.,	on Systems,				
Encryption	Mathuria A.	ANTS	2018	Scopus		0
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Low Power Management		the 2018 8th				
Unit with Load		International				
Regulation using DC-DC		Symposium on				
Switched Capacitor		Embedded				
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Converters in 0.18µm	Patel P., Mishra	Computing and	2010	0		
CMOS	В.	System Design,	2018	Scopus		0

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An Iterative Delay Chain	P	Embedded				
based Impedance to		Computing and				
Digital Converter using	Mishra B.,	System Design,				
0.18µm CMOS	Jigalur L.	ISED 2018	2018	Scopus		0
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A Wearable Device for		the 2018 8th				
Real-Time ECG		International				
Monitoring and		Symposium on				
Cardiovascular		Embedded				
Arrhythmia Detection for		Computing and				
Resource Constrained	Mishra B., Arora	System Design,	2010			
Regions	N., Vora Y.	ISED 2018	2018	Scopus		0
		2018 11th				
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		Symposium on Chinese Speken				
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Novel amplitude weighted frequency	1	Processing,				
modulation features for	Kamble M.R.,	ISCSLP 2018 -				
replay spoof detection	Patil H.A.	Proceedings	2018	Scopus		0
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Novel demodulation-		Chinese Spoken				
based features using	Kamble M.R.,	Language				
classifier-level fusion of	Tak H., Siva	Processing,				
GMM and CNN for	Krishna M.V.,	ISCSLP 2018 -				
replay detection	Patil H.A.	Proceedings	2018	Scopus		0
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Object Identify Using	'	Conference on				
Electrical Impedance	Kumar R.,	Secure Cyber				
Tomography Technique	Kumar S.,	Computing and				
for Industrial Application	Sengupta A.	Communications	2018	Scopus		0
		IEEE Electrical				
		Design of				
	!	Advanced				
Preeminent Buffer		Packaging and				
Insertion Technique For	Pathade T., Shah	Systems				
Long Advanced On-Chip	U., Agrawal Y., Parekh R.	Symposium,	2010	g		
Graphene Interconnects	Parekn K.	EDAPS 2018 IEEE Electrical	2018	Scopus		0
		Design of				
		Advanced				
Contemporary On-chip	Agrawal Y.,	Packaging and				
System Modeling using	Chandel R.,	Systems				
FDTD in Low Power	Girish M., Parekh	Symposium,				
Regime	R.	EDAPS 2018	2018	Scopus		0
Combining phase-based	Srinivas K., Das	2018 11th	4010	000p		ř ř
features for replay spoof	R.K., Patil H.A.	International	2018	Scopus		0
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using case-based learning	Sureka A.	Conference on			
		Software			
A 46 pW power		Engineering			
A 46 nW power management unit with					
battery extender for solar	Patel P., Mishra	Journal of Low			
energy harvesters using	B., Nagchoudhuri	Power			
0.18 µm CMOS	D.	Electronics	2018	Scopus	0
Multivariate generalized	D.	Journal of	2018	Scopus	0
Gram–Charlier series in		Mathematical			
vector notations	Dharmani B.C.	Chemistry	2018	Scopus	0
	Dharman D.C.	Proceedings -	2010	Scopus	0
		2018 IEEE			
Vector Graph		Winter			
Representation for		Conference on			
Deformation Transfer	Domadiya P.,	Applications of			
Using Poisson	Shah P., Mitra	Computer Vision,			
Interpolation	S.K.	WACV 2018	2018	Scopus	0
Adaptive Thermal	S.III.		2010	Beopus	
Management Technique					
to Improve the Efficiency					
of SSPA for Geo-	Doshi R.J.,	Journal of Heat			
Synchronous Satellite	Ghodgaonkar D.	Transfer	2018	Scopus	0
		2017		Let a Let	
		International			
		Conference on			
		Intelligent			
		Computing,			
Reliability improvement		Instrumentation			
technique of GaN SSPA		and Control			
for geo synchronous	Doshi R.J.,	Technologies,			
satellites	Ghodagaonkar D.	ICICICT 2017	2018	Scopus	0
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Accurate characterization	Doshi R.J.,	Computing,			
of high power SSPA	Ghodgaonkar D.,	Instrumentation			
under multicarrier	Bhardhwaj P.S.,	and Control			
operation for satellite	Singh D.K., Das	Technologies,			
communications	D.K.	ICICICT 2017	2018	Scopus	0
Capacity of a quantum					
memory channel		Quantum			
correlated by matrix	Mulherkar J.,	Information			_
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		Communication,			
		Information and			
Information extraction		Computing			
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using DeepDive High power test set up:	P.M. Doshi R.J.,	ICCICT 2018 Proceedings of	2018 2018	Scopus Scopus	0

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1	Patil A.N.,	International			'		
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Techniques to reduce the		and Electronics			'		
cost of the satellite base	Doshi R.J.,	Systems, ICCES			'		
solutions	Ghodagaonkar D.	2017	2018	Scopus	'	0	
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Downsampling on		Processing,			'		
bipartite graphs: An	Vishnav N., Tatu	GlobalSIP 2017 -			'		
algebraic perspective	Α.	Proceedings	2018	Scopus	ļ'	0	\perp
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Development of a modular and optimum		Trends in Electronics and			'	1	
modular and optimum	a "the Womin S	Electronics and			'		
multisensor integration platform for navigation	Sajithra Varun S., Nagaraj R.	Informatics, ICEI 2017	2018	Scopus	'	0	
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Design and optimization		International			'		
of single electron		Symposium on			'	1	
transistor based 4-bit		Nanoelectronic			'		
arithmetic and logic unit		and Information			'		
at room temperature	Joshi R., Parekh	Systems, iNIS			'		
operation	R., Agrawal Y.	2017	2018	Scopus	· · · · · · · · · · · · · · · · · · ·	0	
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Integrated acquisition and		Personal, Indoor			'	1	
tracking scheme for		and Mobile			'	1	
channel estimation in		Radio			'		
millimeter wave wireless	Pillutla L.S., Annavajiala R	Communications,	2010		'	0	
networks	Annavajjala R.	PIMRC ACM	2018	Scopus	·'	0	+
A case study on the application of case-based	Tiwari S., Saini	ACM International			'		
learning in software	V., Singh P.,	Conference			'	1	
testing	V., Singn P., Sureka A.	Proceeding Series	2018	Scopus	'	0	
A report on the workshop		ACM	4010	Deoper	+	<u> </u>	+
on emerging sofware		International			'	1	
engineering education	Singh P., Farooq	Conference			'	1	
(WESEE 2018)	S.U., Tiwari S.	Proceeding Series	2018	Scopus		0	
A novel implementation	Shah H., Kamaria	Proceedings -			,		T
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(PIC) algorithm for	R., Shah M.,	International					
kepler GPU Architecture	Chaudhury B.	Conference on					
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		Computing,					
		HiPC 2017					
		Proceedings - 9th					
		Asia-Pacific					
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On the convergence of	Shah N.J., Patil	APSIPA ASC		~			
INCA algorithm	H.A.	2017	2018	Scopus		0	
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Combining evidences		Annual Summit					
from detection sources		and Conference,					
for query-by-example	Madhavi M.C.,	APSIPA ASC	2010	G		0	
spoken term detection	Patil H.A.	2017	2018	Scopus		0	
		Proceedings - 9th					
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A novel filtering based		Processing Association					
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algorithm with an	Shah N.J.,	and Conference,					
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application to voice conversion	Patil H.A.	2017	2018	Scopus		0	
		Proceedings -	2018	Scopus		0	
		2017 IEEE					
		Technological					
		Innovations in					
		ICT for					
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Use of ICT on village	Sahu K.C.,	Development,					
development plan (VDP)	Ghosh R.	TIAR 2017	2018	Scopus		0	
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Impact of canal irrigation		ICT for					
on agriculture in Halvad	Yadav M.K.,	Agriculture and					
block of Gujarat using	Ghosh R., Sahu	Rural					
remote sensing and GIS	K.C., Kalubarme	Development,					
technology	M.H.	TIAR 2017	2018	Scopus		0	
Biomedical document		ACL 2018 - 56th					1
retrieval for clinical	Sankhavara J.	Annual Meeting	2018	Scopus		0	

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information retrieval	Fadaei N., Im C.,				
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disasters (IRMIDIS 2018)	Т.	Proceedings	2018	Scopus	0
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		Conference of the			
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Auditory filterbank		Speech			
learning using ConvRBM		Communication			
for infant cry	Sailor H.B., Patil	Association,			
classification	H.A.	INTERSPEECH	2018	Scopus	0
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Modelling of Advanced					
On-Chip Graphene					
Interconnect Using	Patel N.R.,				
Numerical Method	Agrawal Y.,	IETE Journal of			
Analysis	Parekh R.	Research	2018	Scopus	0
Shadow-Free,					
Expeditious and Precise,	Domadiya P.,	International			
Moving Object	Shah P., Mitra	Journal of Image			
Separation from Video	S.K.	and Graphics	2018	Scopus	0
Extraction of Professional		Procedia		Î Î	
Details from Web-URLs	Vyas A., Kadakia	Computer			
using DeepDive	U., Jat P.M.	Science	2018	Scopus	0
Noise removing filters		Lecture Notes in	2010	2000	
and its implementation on	Mishra A.S.,	Electrical			
FPGA	Parekh R.	Engineering	2018	Scopus	0
Modeling and simulation		Lingineering	2010	Beopus	 0
of 1/f noise during	Parekh R.,	Lecture Notes in			
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threshold switching for	Baghini M.S.,	Electrical	0010	G	0
phase change memory	Rajendran B.	Engineering	2018	Scopus	0
		Advances in			
Printed Gujarati character		Intelligent			
classification using high-	Goswami M.M.,	Systems and	_		
level strokes	Mitra S.K.	Computing	2018	Scopus	0
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moment and complex		Journal of			
wavelet transform for	Khare M.,	Computational			
human object	Prakash O.,	Vision and			
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Automatic detection and					~
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regions and cracks in	Padalkar M.G.,	Preserving Indian			
-	Joshi M.V.	Cultural Heritage	2019	Sconus	0
heritage monuments			2018	Scopus	 0
Design of biorthogonal	Gajbhar S.S.,	Communications	2010	Second	0
wavelet filters of	Joshi M.V.	in Computer and	2018	Scopus	0

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factorization of halfband		Science			
polynomials					
		Proceedings of			
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Sr. No.	Approved Date	Faculty Name	Sanctioned Support Amount (Rs.)	t Conference Name	Conference Date
Sr. No.		Faculty Name Rahul Muthu		t Conference Name ITCDM Conf at Taiwan	Date
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	Date Jul-17	Rahul Muthu	Amount (Rs.) 45000	ITCDM Conf at Taiwan	Date 18-21 July 2017
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6	Aug-17	Aditya Tatu	47000	IEEE Workshop on Multimedia Signal Processing, UK	16-18 Oct 2017
7	Sep-17	M V Joshi	50620	IEEE conference Registration fee	
8	Feb-17	Puneet Bhateja	25000	SCSS – 2017	
9	Sep-17	Rajib Lochan Das	27000	registration fee IEEE IGST	
10	Oct-17	Minal Bhise	40000	Registration fee and to attend an international conference	
11	Oct-17	Sanjay Srivastava	50000	Registration fee and to attend an international conference	
12	13/10/2017	Yash Vasavada	20897	Registration fee and to attend a national conference	
13	02/01/2018	Sanjeev Gupta	17200	Conf registration fee IMaRC 2017	11-13 Dec 2017
14	02/01/2018	Anish Mathuria	22500	ICISS 2017 at IITB	18-20 Dec 2017
15	02/01/2018	Suman K. Mitra	30000	PReMI 2017	5-8 Dec 2017
16	02/01/2018	Manoj Raut	47000	ISDA 2017 (International Conference on Intelligent Systems Design and Applications)	14-16 Dec 2017
17	12/01/2018	Sourish Dasgupta	175000	KCAP 2017 (International Conference on Knowledge Capture), USA	4-6 Dec 2017
18	18/01/2018	Yash Vasavada	30991	Conf registration fee ICACCI 2017	Dec-17
				The ACM India Joint International Conference on Data Science &	11-13 Jan
19	24/01/2018	Manish Narwaria	22342	Management of Data, Goa	2018
20	24/01/2018	Prasenjit Majumder	7200	IISc Bangalore for FIRE 2017 Meeting	10-12 Dec 2017

21	12/02	2/2018	Manish Khare		10	161	Machine Lea Applications Roor	, FDP at		1-5 Feb, 2018
22	06/0	03/18	Hemant Patil		430	000	ICASSP 2018	, Canada		15-20 April, 2018
23	26/03	3/2018	Manish Khare		113	ACIIDS 2 Conference Information 3610 Systems		n Intellig	gent Dase	19-21 Mar 2018
24	01/0:	5/2018	M V Joshi		33(026	COMSNE (International on COMm Systems & N Banga	Confere unication IETwork	ence n	3-7 Jan 2018
25	28/0	6/2018	Manish K. Gupt	a	101	101534		IEEE International Symposium on Information Theory, Colorado, USA		13-24 Jun 2018
3.5 Consulta	, v									
			from Consultance		<u> </u>			D		
Name of the Consultant(s) department	Consultant(s)		oject	Consult	ing/Sponsorii	ng Agency			nerated rupees)	
M.V. Joshi	M.V. Joshi Optical character recognition (OCR) algorithms to enhance the accuracy of numeric data recognition by the machine		ance data	Factset Systems India Pvt. Ltd.		8,70	6,000			
3.5.2 Revenu	ue gei	nerated	from Corporate	Trainin	g by the i	nstitution dur	ing the year			
Name of t Consultant(s Departme	he s) &	Т	itle of the rogramme	Agesee	ency king ning	ency Revenue generated (amount in rupees)				Number of trainees
NIL										
3.6 Extensio 3.6.1 Number			and outreach prog	rammes	conducte	d in collaborati	ion with industr	y, comm	unitv	and Non-
Government (Organ	isations	through NSS/NC	C/Red c	ross/Yout	h Red Cross (Y	(RC) etc., during	g the yea	r	
Title of the A			Organising un collaborating		cy/	Number of te in such activ	eachers coordin ities	ated		ber of students cipated in such ities
	1. HackInfinity in Agriculture 2017 on 11-12 Nov 2017CIIE, IIM-A A		Ahmeo	hmedabad				Nati parti over	cipation,	
2. Eco-Youth Jan 2018 to p	2. Eco-Youth Run on 26DA-IICT's ownJan 2018 to promote the 3R's- "Reduce ReuseDA-IICT's own		own init	tiative 15 faculty a		and 10 staffs		Ove	r 400 from all Gujarat	

	3. "Vigyaan Sha proposal of an in teaching science schools	itiative of		orted by GI		is und	ntly it has been conceptuali er consideration by GUJCC	OST to support	t it.	
during the year Name of the Activity Award/recognition Awarding bodies No, of Student benefite NIL NIL Awarding bodies No, of Student benefite 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 Number of students Name of the organising unit/ agency/ Organising unit/ collaborating agency Name of the activity Number of teachers Number of student participate in the development of a modality of schooling for children by combining elements of modern numerical and verbal literacy with indigenous knowledge and cultural values. I (Prof. Alka Parikh) Sambhav Grou DA-IICT Swachh Bharat Govt. of Gujarat Eco Youth Run on 26 January 2018 to promote the 3Rs-* Reduce Reuse Recycle" 1 (Prof. Ranendu Ghosh) Prithvish Doshi (20160) National SAC (ISRO), Technology Day Akmedabad Presentation on the topic - "Scace and Technology Day 1 (Prof. Ranendu Ghosh) Prithvish Doshi (20160)		-	in white and co	n which the team from Civil Hospital, Gandhinagar comes to facilitate the process and collect the donated blood. At least 15 faculty, equal number of staff and over						
Name of the Activity Award/recognition Awarding bodies No. of Student benefite NIL NIL NIL Student benefite 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 Number of stue participated in agency/ collaborating agency Name of the activity Number of teachers Number of stue participated in activities Andaman and Nicobar Tribal Research Institute "Ang Katha" - a project to provide the Jarawas in the Great Andaman an opportunity to participate in the development of a modality of schooling for children by combining elements of modern numerical and verbal literacy with indigenous knowledge and cultural values. 1 (Prof. Alka Parikh) Sambhav Grou DA-IICT Swachh Bharat Govt. of Gujarat Eco Youth Run on 26 January 2018 to promote the 3R's: "Reduce Reuse Recycle" 15 Faculty DA-IICT Stud Faculty and St "Science and Technology for Sustainable Future: Space Perspective" on National Technology Day Prithvish Doshi (201601		d recogniti	on recei	ved for ex	tension activiti	ies froi	m Government and other re	cognized bodi	es	
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 activity scheme Name of the agency/ Organising unit/ collaborating agency Name of the activity Number of teachers coordinated in such activities Number of state activities Andaman and Nicobar Tribal Research Institute Andaman and opportunity to participate in the development of a modality of schooling for children by combining elements of modern numerical and verbal literacy with indigenous knowledge and cultural values. 1 (Prof. Alka Parikh) Sambhav Grou DA-IICT Swachh Bharat Govt. of Gujarat Eco Youth Run on 26 January 2018 to promote the 3R's- "Reduce Reuse Recycle" 15 Faculty DA-IICT Stud. Faculty and State Sta			Award	/recognitio	on		Awarding bodies	Studen	nts	
Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year Number of teachers Number of stue Name of the scheme Organising unit/ agency/ collaborating agency Name of the activity Number of teachers Number of stue Andaman and Nicobar Tribal Research Institute Andaman an opportunity to participate in the development of a modality of schooling for children by combining elements of modern numerical and verbal literacy with indigenous knowledge and cultural values. 1 (Prof. Alka Parikh) Sambhav Grou DA-IICT Swachh Bharat Govt. of Gujarat Eco Youth Run on 26 January 2018 to promote the 3R's " <i>Reduce Reuse Recycle</i> " 1 (Prof. Alka Parikh) DA-IICT Stud Faculty and Sta National Technology Day SAC (ISRO), Ahmedabad Presentation on the topic - "Science and Technology for Sustainable Future: Space Perspective" on National Technology Day 1 (Prof. Ranendu Ghosh) Prithvish Doshi (201501139)	NIL			Ν	NIL					
Name of the schemeOrganising unit/ agency/ collaborating agencyName of the activityNumber of teachers coordinated in such activitiesNumber of stue participated in activitiesAndaman and Nicobar Tribal Research InstituteAndaman and opportunity to participate provide the Jarawas in the Great Andaman an opportunity to participate in the development of a modality of schooling for children by combining elements of modern numerical and verbal literacy with indigenous knowledge and cultural values.1 (Prof. Alka Parikh)Sambhav Grou DA-IICTSwachh BharatGovt. of Gujarat NutionalEco Youth Run on 26 January 2018 to promote the 3R's- "Reduce Reuse Recycle"1 (Prof. Ranendu Ghosh)Prithvish Doshi (201601) for Sustainable Future: Space Perspective" on National Technology DayPrithvish Doshi (201501139)	-						-			
Collaborating agency"Ang Katha" - a project to provide the Jarawas in the Great Andaman an opportunity to participate in the development of a modality of schooling for children by combining elements of modern numerical and verbal literacy with indigenous knowledge and cultural values.I (Prof. Alka Parikh)Sambhav Grou DA-IICTSwachh BharatGovt. of Gujarat SAC (ISRO), Technology DayEco Youth Run on 26 January 2018 to promote the 3R's- "Reduce Reuse Recycle"1 (Prof. Ranendu Ghosh)Prithvish Doshi (201601)National Technology DaySAC (ISRO), AhmedabadPresentation on the topic - "Science and Technology Day1 (Prof. Ranendu Ghosh)Prithvish Doshi (201601) Aayush Agraw (201501139)										
Nicobar Tribal Research Instituteprovide the Jarawas in the Great Andaman an opportunity to participate in the development of a modality of schooling for children by combining elements of modern numerical and verbal literacy with indigenous knowledge and cultural values.Image: Comparison of the comparison o	scheme	cheme agency/ collaborating				coo	ordinated in such activities		ı such	
Vruddhashramon 31 October 2017DA-IICTSwachh BharatGovt. of GujaratEco Youth Run on 26 January 2018 to promote the 3R's- "Reduce Reuse Recycle"15 FacultyDA-IICT Stude 		Nicobar T Research Institute		provide the Great And opportuni in the dev modality of children be elements of numerical literacy w knowledg values.	the Jarawas in the daman an ty to participate elopment of a of schooling for by combining of modern and verbal ith indigenous e and cultural	e r				
January 2018 to promote the 3R's- "Reduce Reuse Recycle"Faculty and StateNationalSAC (ISRO), AhmedabadPresentation on the topic - "Science and Technology for Sustainable Future: Space Perspective" on National Technology Day1 (Prof. Ranendu Ghosh)Prithvish Doshi (201601Adayush Agraw (201501139)			nram		Ų	ie 1 (1	Prof. Alka Parikh)		up of	
National Technology DaySAC (ISRO), AhmedabadPresentation on the topic - "Science and Technology for Sustainable Future: Space Perspective" on National Technology Day1 (Prof. Ranendu Ghosh)Prithvish Doshi (201601 Aayush Agraw (201501139)	Swachh Bharat	Govt. of C	lujarat	January 2 the 3R's-	018 to promote		Faculty			
for Sustainable Future: Space Perspective" on National Technology Day (201501139)	National	SAC (ISR	0),	Presentati			Prof. Ranendu Ghosh)	Prithvish		
	Technology Day	Ahmedaba	ıd	for Sustai Space Per National	nable Future: spective" on Fechnology Day			Aayush Agrav		
3.7 Collaborations										
3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year						-				
Nature of ActivityParticipantSource of financial supportDurationVisited the institute of Information Science and Parth MentaFrasmus Mundus exchange program between DAIICT and Universität Hildesheim.16 weeks	Visited the i	nstitute o	f Parth	Mehta	Erasmus Mi	undus e	exchange program between		'n	

Natural Language Pro	cessing								
Attended the annual E		Parth	Mehta	Go	ot a support of 800 € as a st	tuden	t grant	1 week	
Conference (ECIR	-		Student)	01			8.0		
Information Retrieval	· · · · · · · · · · · · · · · · · · ·	`	,						
present his work on a									
text summarization									
To undertake a	research	Omka	nkar Damle Viterbi-India Program.					May-July 2018	
internship at the	Viterbi	(BTe	ch		C C				
	ineering,	stude							
California, USA.	0,		,						
Visited The Cent	er for	Nidhi	Vyas	Th	e Center for Language and	d Spe	eech Processing.	Jan- April 2018	
Language and	Speech	(BTe			hns Hopkins University.	- ~ F -		· ···· · · · · · · · · · · · · · · · ·	
	Hopkins	stude			1				
University for her									
2	ormation								
Retrieval									
•		ns/ind	ustries for	inte	ernship, on-the-job traini	ing, p	project work, sha	aring of research	
facilities etc. during									
Nature of linka	ige	T	itle of the		Name of the partnerin	ng	Duration	Participant	
			linkage		institution/industry/rese	ear	(From-To)		
			C		ch lab with contact				
					details				
Development of design	n	SWA	AYAM		Industrial Design Centre,		2017	Prof. Binita	
modules under MHRE		~			IIT Bombay			Desai	
Design School concep	·								
A project to provide th		"Ang	Katha"		ANTRI (Andaman &		2017	Prof. Vishwajit	
Jarawas of the Great A		0	_		Nicobar Tribal Research			Pandya	
an opportunity to parti	cipate in				Institute,			(Honorary	
the development of a r					Port Blair			Director)	
of schooling for childr	en by								
combining elements of	f								
modern numerical and									
literacy with indigenou	us								
knowledge and cultura	al values.								
Development of drone	e based	Weat	ther Drone		IEEE Gujarat Section		Oct 2017	Prof. Anil Roy	
pollution monitoring									
application									
			lopment of t city lab		Marwadi University, Rajl	kot	Aug 2017	Prof. Anil Roy	
373 Molls signed w	signed with institutions of national,			l i	nternational importance	othe	r universities in	dustries	
corporate houses etc				.1, 11	mernanonar importance,	, oure		iuusiiios,	
Organisation	Date	of Purpo		rpo	se and Activities		Number of stu	dents/teachers	
C	MoU si			•			participated u		
Government of	25 Sep 2	-	a. DA-IIC	'T i	s identified as Anchor	1. "	1 1	Architecture Using	
Gujarat	-		Institute for	or (Course offerings under	Ver	rilog HDL", June	e 4-8, 2018,	
-					nstitute Program by the		-	Amit Bhatt, Yash	
					•••		rawal, Persons b	,	
					ntrepreneurship	-	Design & Imple		
			Developm	nen	t, Government of		ational Database		
			Gujarat.				8, Instructors: P	, , ,	
								Persons benefitted:	
						лш		sons benefitteu.	

		 b. DA-IICT is identified as a Nodal Institute for promotion of Entrepreneurship under SSIP (Student Start-up and Innovation Policy) c. Design and Innovation Lab established at DA-IICT by GUJCOST in 2017 to foster innovation, encourage and publicize design and innovation in ICT field for underprivileged 	 15 3. "C/C Programming", June 11 to 15, 2018, Instructors: Profs. Asim Banerjee & Lavneet Singh, Persons benefitted: 8 Proposals of startup which were supported: 1.Generic approach based accident detection and notification system for motor-vehicles, Approved budget : 1,19,000, Date : 21-02-2018, No of Students : 2, Mentor : 1. 2. Smart Travel Bag, Aproved budget : 96,434, Date : 04-04-2018, No of student : 1, Mentor : 1 Events support: 1. HackInfinity (Hackathon), Budget : 1,50,000, Date 11-12 Nov 2017, No. of Participants: 112 Data not captured in this way. However, the facility is being utilized.
Bennett University, Noida	Aug 2017	community. To collaborate with <i>Leadingindia.ai</i> , one of the largest nation-wide initiative on skilling and research in Deep Learning and Artificial Intelligence Technologies. This project has the potential to change the landscape of Artificial Intelligence research in India	No activity in this period
Infinium Solutionz Pvt Ltd, Ahmedabad	21 Sep 2017	 To support DA-IICT's efforts in education, training and research in the areas of Geospatial Technology and other research areas of mutual interest. Infinium Scholarship will be provided to the students who will be working on a problem mutually decided by DA-IICT and Infinium Solutionz 	3 B.Tech. students (Rushikesh, ID 201401106 and Urmil ID 201401013 and Gamita, ID 201401101) have completed paid BTP with Amnex on mutually defined problems.

Gujarat	25 Sep 2017	Implementation of the Student	Same as above (SSIP)
Knowledge		Startup and Innovation Policy	
Society	20.4	(SSIP) of Government of Gujarat.	
Universiti Teknologi MARA, 40450 Shah Alam, Selangor Malaysia	29 Aug 2017	To promote academic and research cooperation as follows: a. Institutional exchanges between faculty and staff; b. Acceptance of undergraduate and graduate students between parties for periods of study and/or research and joint guidance of students on projects and theses. c. Organization of joint seminars, workshops, symposia, conferences, short courses and meetings on research issues; d. Exchange of information pertaining to developments in teaching, student development and research institutions.	1. There was exchange of information via e-mail with staff and students of Microwave Research Institute (MRI), UiTM and DA-IICT several times in last one year. This was about research on MNDT and submitting sponsored research projects to Malaysian Government Agencies. We have one project under consideration under international collaboration fund. Also, two PhD students visited Malaysia in December 2018 to present conference papers and exchanged information with MRI staff.
Dr. C R RAO Advanced Institute of Mathematics, Statistics and Computer Science, Hyderabad	5 Mar 2018	 a. To allow and use their best endeavors to affect visits from one Institute to the other by members of the academic staff for the purpose of participating in joint teaching, joint research and guidance and joint Conferences/Seminars /Training Programs. b. To allow visits of Research Fellows to each other Institute to utilize the facilities and research support for short terms. c. To encourage the exchange of scientific materials, publications and information with secrecy to be maintained. d. To prepare, as necessary, P.G./Ph.D. Programs detailing specific forms and contents of cooperation. 	It has just started and its impact will be observed later.
CRITERION IV	' – INFRAS'	FRUCTURE AND LEARNING	G RESOURCES
4.1 Physical Faciliti			
· · · · · · · · · · · · · · · · · · ·	ies	salary for infrastructure augmentation	

Data not available in this way. 4.1.2 Details of augmentation in infrastructure facilities during the year Facilities Existing Newly added Campus area Class rooms with LCD facilities Classrooms with Wi-Fi/ LAN Seminar halls with ICT facilities Data not available in this way. Classrooms with Wi-Fi/ LAN Seminar halls with ICT facilities Data not available in this way. Value of the equipments purchased (≥ 1-0 lakh) during the current year. Value of the equipment purchased during the year (Rs. in Lakhs) Others 4.2 Library as a Learning Resource 4.2.1 Library is automated [Integrated Library Management System (ILMS)] Name of the ILMS Nature of automation (fully or partially) Version Year of automation Algo No. Value No. Value Notice Stating Newly added Total Career Value Notice Stating Version Year o	augmenta	tion						
Facilities Existing Newly added Campus area Cass rooms Cas rooms Cas rooms			Data not availa	ble in this	way.			
Facilities Existing Newly added Campus area Cass rooms Cas rooms Cas rooms								
Campus area Data not available in this way. Classrooms Laboratories Seminar Halls Classrooms with LCD facilities Classrooms with Wi-Fi/ LAN Seminar halls with ICT facilities Video Centre No. of important equipments purchased (≥ 1-0 lakh) during the current year. Value of the equipment purchased during the year (Rs. in Lakhs) Others 4.2 Library as a Learning Resource 4.2.1 Library is automated {Integrated Library Management System (ILMS)} Name of the ILMS Nature of automation (fully or partially) Version Year of automation KOHA ILS Partially 16.11.06.000 2016 4.2.1 Library Services: Existing Newly added Total Text Books 29704 5.87,84,435.72 641 16.07,120.59 30,345 6.039,129.3 Iournals ¹ NA NA 82 7.04,214.23 82 7.04,214.23 e-Books 1253 47,56,571.32 9 42.894.62 1.262 47,99,465.94 Journals ¹ NA NA 82 7.04,214.23 82 7.04,214.23 43,43,551.02 5044 83,48,551.02 5044 83,48,551.02	4.1.2 Details of augment	tation in infrast	ructure facilities	during the	year			
Class rooms Laboratories	Facilities				Existing	1	Newly added	
Laboratories Seminar Halls Classrooms with LCD facilities Classrooms with UCT facilities Classrooms with UCT facilities Classrooms with UCT facilities Video Centre No. of important equipments purchased (≥ 1-0 lakh) during the current year. Value of the equipment purchased during the year (Rs. in Lakhs) Others 4.2 Library as a Learning Resource 4.2.1 Library is automated [Integrated Library Management System (ILMS)] Name of the ILMS Nature of automation (fully or partially) Version Year of automation KOHA ILS Partially 16.11.06.000 2016 4.2.1 Library Services: Existing Newly added Total Text Books 29704 5,87,84,435.72 641 16.07,120.59 30,345 6,039,1556.3 Reference Books 1253 47,56,571.32 9 42,894.62 1.262 47.09,465.94 e-Books 18413 1.38,14,332.34 1.231 17,23,797.00 19,644 1,5009,129.3 Journals ¹ NA NA 82 7,04,214.23 82,435,51.02 5644 83,485,51.02 5644 83,485,51.02 5644 83,485,51.02 5644 83,485,51.02 <td>Campus area</td> <td></td> <td></td> <td></td> <td colspan="4">Data not available in this way.</td>	Campus area				Data not available in this way.			
Seminar Halls Classrooms with U.CD facilities Classrooms with Wi-F/LAN Seminar halls with ICT facilities Video Centre No. of important equipments purchased (≥ 1-0 lakh) during the current year. Value of the equipment purchased during the year (Rs. in Lakhs) Others Others 4.2 Library is automated { Integrated Library Management System (ILMS)} Name of the ILMS Nature of automation (fully or partially) Version Year of automation KOHA ILS Partially 16.11.06.000 2016 Kost 20704 5.87.84.35.72 641 16.07.120.59 30.345 6.03.91.56.34 Reference Books 1253 47.56.571.32 9 42.894.62 1.262 47.99.465.94 e-Books 18413 1.38.14.332.24 1.231 17.23.797.00 19.644 15.00.91.29.3 Journals ¹ NA NA 5.644 83.48.551.02 5644 83.48.551.02 Digital Database ² I	Class rooms							
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Classrooms with Wi-Fi/ LAN Seminar halls with ICT facilities Video Centre No. of important equipments purchased (≥ 1-0 lakh) during the current year. Value of the equipment purchased during the year (Rs. in Lakhs) 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) Value of the ILMS software Nature of automation (fully or partially) KOHA ILS Partially 16.11.06.000 2016 4.2.1 Library Services: Existing No. Value No. Value No. Value Reference Books 1253 47.56.571.32 9 42.894.62 1.262 47.994.65.94 -Books 18413 1.38.14.332.34 1.231 17.23.797.00 19.644 1.50.03.12.6 Journals ¹ NA NA 82 7.04.214.23 82 7.04.214.23 e-Books 18413 1.3.81.43.32.34 1.251.797.00 19.644 1.50.03.100 Correst effords 13.91.891.00 87 6.0	Seminar Halls							
Seminar halls with ICT facilities Video Centre Video Centre No. of important equipments purchased (≥ 1-0 lakh) during the current year. Value of the equipment purchased during the year (Rs. in Lakhs) Others 4.2 Library as a Learning Resource 4.2.1 Library as a Learning Resource 4.2.1 Library is automated {Integrated Library Management System (ILMS)} Version Year of automation fully or partially) Name of the ILMS Nature of automation (fully or partially) Version 2016 4.2.1 Library Services: Existing Newly added Total KOHA ILS Partially 16.11.06.000 2016 4.2.1 Library Services: Existing Newly added Total Reference Books 29704 5.87,84,435.72 641 16.07,120.59 30,345 6.03,91.556.3 Reference Books 1253 47,56,571.32 9 42,894.62 1.262 47,994.65.94 Journals ¹ NA NA 82 7.04,214.23 82 7.04,214.23 Journals ¹ NA NA 82 7.04,214.23 82 7.04,214.23 Journals ¹ NA NA 56.335.00	Classrooms with LCD fa	acilities						
Video Centre No. of important equipments purchased (≥ 1-0 lakh) during the current year. Value of the equipment purchased during the year (Rs. in Lakhs) 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 KOHA ILS Partially 16.11.06.000 2016 4.2.1 Library Services: Existing Newly added Total Library Services: No. Value No. Value Reference Books 1253 47.56.571.32 9 42.894.62 1.262 47.99.465.94 Journals ¹ NA NA 82 7.04.214.23 82 7.04.214.23 Journals ¹ NA NA 82.64 83.485.10.2 5644 83.485.10.2 Library automation ⁴ Yes Nil Yes Nil Yes Nil Video ³ 3940 13.91.891.00 87 4027 1.56.335.00 1 56.335.00 1 56.335.00 1 56.335.00 1 56.335.00 1 56.335.00	Classrooms with Wi-Fi/	LAN						
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Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etcName of theName of the modulePlatform on which module isDate of								
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Name of theName of the modulePlatform on which module isDate of					iny other Governmen	t initiatives	&	
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teacher developed launching e -		me of the modu	ile					
	teacher			develope	a		aunching e -	

									content
Prof. Bini	ta Desai		ion to Design Design for Soc	iety	SWAYAM		May 2018		
4.3 IT In	function								
		pgradation	(overall)						
4.5.1 100	Total Compute	Comp	uter Internet	Browsing Centres	Computer Centres	Office	Depart ments	Available band width (M/GBPS)	
Existing	1195	26	1195	4*	3			1GBPS + 20MBps	46
Added	72	2	72	0	0			1	54
Total	1267	28	1267	4	3			1GBPS + 20MBps	100
1 GBPS &	20 MBPS	fibre Lease	nternet connect	ion in the l	Institution (L	eased lin	e)		
4.3.3 Fac Name of t			oment facility		Provide the		e videos	and media	centre and
1000	ee the Digit	al recource	CD/DVD colled		recording fa		/romodia (laiict.ac.in	
	ecture deli		ote location usin		Online delivery using VC				
4.4 Main	tenance of	f Campus	Infrastructure	;					
-		ncurred on luring the y	maintenance o	f physical	facilities and	l academ	ic suppor	rt facilities,	excluding
0	budget on acilities	on m	diture incurred aintenance of emic facilities	Assign	ed budget on	physical	l facilities	on ma	liture incurred intenance of cal facilities
laboratory	, library, s	ports comp	s for maintaini lex, computers, ite, provide lin	classrooms					
			ENT SUPPC		PROGR	ESSIO	N		
5.1 Stude	nt Suppo	rt							
		and Financ	ial Support						
			Name /Title of	the scheme	e	Number	of studen	te	Amount in
						Number		115	Rupees 14070000

_			Hon. CM Scholar				39			
Financi	al support from		Other Govt. Scholarships			12				
instituti	on		Tuition Fees Waiv (TFWS)	ver Sc	heme		18			
			DA-IICT / Rcom				6	53	7567000	
			DA-IICT (TAship))				50	23958716	
				/					2000000	
Financia	al support from	other	sources							
a) Natio	onal		UGC				2 PhD	students	Amount no	
1 X T .									known	
b) Interr	national									
<u>Financ</u>	ial Support for	Stud	<u>ents (for presen</u>				pers at co	onferences through	n CPDA) fror	
				1	DA-II	CT):	_	1		
Date			nt Name	Fac		<u>, </u>	Amt	Perticular		
14.7.17			r Gadiya		f Anil K		20,000	paper pre at Kocl	11	
4.10.17		_	Padiya		f Minal		30,000	conf regn	C	
25.10.17			<u>Odhaviya</u>		f A Mat		4,440	travel support for		
9.1.18		Milind Shah				ev Gupta	6,000	regn fee for IMal		
9.1.18			vineet Dad			ev Gupta	6,000	regn fee for IMal		
18.1.18	I.18 Sujata		Prof Suman Mitra		20,000	regn /travel for ICAPR 2017 conf				
18.1.18		Pankaj Chaudhary		Prof D Ghodgaonkar		1,500	IMaRC 2017 con			
31.1.18			Vasisth	Prof D Ghodgaonkar		1,500	IMaRC 2017 conf regn			
6.3.18			l Captain		f MV Jo		6,000	conf regn		
14.3.18			Mehta		f P Maj		7,500	Travel exp		
4.4.2018	8 1	Purvi	Patel	Prot	f Biswa	jit Mishra	37,721	Publication regn	charges Jun 1	
5.1.2 Ni	umber of capabi	lity er	hancement and	deve	lopmen	t schemes s	uch as So	oft skill developmer	nt, Remedial	
								lling and Mentorin		
	e of the capabilit		Date of		Nu	umber of		Agencies invo		
enha	incement scheme	e	implementati	on	stude	nts enrolled		C		
Weekl	y Debate Sessio	n	25/07/2018		>	0 Debate C		Debate Club, DA-I	ICT	
Ent	telechy (Online		25/07/2018			80		Press Club, DA-IICT		
LIII	magazine)		23/07/2010			00				
	magazine)									
Quizzing Sessions			25/07/2018		>	50	H	Headrush Club, DA-IICT		
Remedial Classes			Mid-September		~	40	Acad	Academic Committee/B Tech TAs		
Student Mentorship		25/07/2018		1	2		Anti-Ragging Comr	nittee		
		25/07/2010								
Person	al Counsellors		25/07/2018		Var	iable	Institu	te's Professional C	ounsellors	
51204	udonta har fit 1	l h	uidonce for	netit.		ningtions	ad ases -	001112 <u>-</u> - <u>-</u>	by the	
	udents benefited on during the ye		undance for com	petiti	ve exar	minations ai	ia career	counselling offered	by the	
	Name of the scher		Number of benef	ited st	udents	Number of b	enefited	Number of students	Number of	
Year									1	
Year			by Guidance for	Comp	etitive	students by	Career	who have passed in	students place	

		examination	Counselling activ	vities exam			
2018	Alumni interactive sessions	>30 (UPSC like government exams)	>100	None	327		
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 griev redressal					or grievance		
l	NIL	·					

	pus placeme	it during the	yeur	0000					
	campus		Off Campus						
Name of Organizations Visited	Number of Students Participat ed	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed				
Directi	284	7	CADENCE DESIGN SYSTEMS	8	2				
Amazon	331	15							
Sprinklr India Pvt LTD.	224	19							
Microsoft India Pvt Ltd	74	8							
Qualcomm	64	4							
Amazon Cloud	172	3							
ZS Associates	11	1							
Morgan Stanley	191	10							
Endurance International Group	274	1							
Logistixian Technologies	112	5							
Postman (Postdot Technologies Pvt Ltd)	154	1							
HSBC	71	7							
Mettl	10	1							
Zapr Media labs	124	2							
UpGrad Education Private Limited	8	1							
Juniper Networks pvt ltd	92	7							
GE Digital	113	5							
SAP Labs	86	4							
Service Lee Technologies Private Limited	124	7							
Verse Innovation Pvt ltd	237	9							
Innovacer Analytics Pvt ltd	72	1							
Futures First	79	3							

Factset	144	9			
Ola(ANI					
Technologies)	26	1			
Oracle India Private	20				
Limited	99	9			
Kivi Technologies	110	3			
Byju's	9	2			
Samsung R & D Pvt					
ltd	20	5			
Searce Logistics Pvt					
ltd	154	7			
Delhivery Private					
Limited	78	3			
Infosys	112	10			
IntelliMind LLC	64	1			
Educational	04	1			
Initiatives	164	1			
Infocusp	104	3			
Intello Labs Pvt Ltd	100	6			
Vehant	115	0			
Technologies Pvt		2			
Ltd	116	2			
MAQ Software Pvt					
Ltd	130	1			
Kuliza Technologies					
Private Limited	141	9			
ADSOM					
GLOBALTECH		3			
PVT. LTD.	17	_			
VISA	30	1			
Saba Software	92	7			
HERE Solutions	44	2			
Deloitte	174	14			
Capillary	1/+	17			
Technologies	55	1			
Evolutionary	55				
Systems Pvt. Ltd.	136	3			
COVIAM	100				
Technology &		6			
Services Pvt Ltd	133	-			
rtCamp		5			
Fractal Analytics					
Pvt. Ltd.	57	1			
Halftick Info		4			
Services	57	1			
Next Education		1			
India Pvt. Ltd.	49	1			
Dolcera	31	3			
Sophos	77	5			
Apttus Software	76	10			
Hansa Cequity	36	10			
Multi Commodity	50		<u> </u>		
Exchange of India	88	2			
india	00			1	I]

Ltd.									
Evive Softw	are								
Analytics	ure	33	2						
Open Silicon	1								
Reseach Pvt			3						
LTI - L & T	Group	18	4						
NAGARRO SOFTWAR		80	5						
UX Reactor		5	1						
ezDI		65	5						
Bit Mapper Integration Technologie Ltd.	es Pvt.		2						
Wishbook			1						
Infoservices		10							
PlexusMD		146	4						
RapidOps So Pvt. Ltd.	olutions	19	4						
Sankalp Semiconduc LTD	tors Pvt	4	1						
Infosys		112	18						
Gateway TechnoLabs		18	5						
DSC		3	1						
Ekutir		56	2						
OPSHUB		30	3						
				I		·			
5.2.2 Stude	nt progre	ession to higher e	ducation	in percent	age duri	ng the yea	ar		
Year	Number	of students	Program	nme	Departn	nent	Name of		Name of
	enrolling education	into higher 1	graduat	ed from	graduate	ed from	institution join	ned	Programme admitted to
2018		23	or B	ch in ICT Tech in (CS)			List attached be	elow	

Name	Undergrad course	Finalized College	MS Course
Urmil Kadakia	ICT with CS	Stony Brook University, Stony Brook, New York State	MS in Computer Science
Rushikesh Nalla	ICT with CS	Stony Brook University, Stony Brook, New York State	MS in Computer Science
Purvik Shah	ICT with CS	Stony Brook University, Stony Brook, New York State	MS in Computer Science
Keval Shah	ICT with CS	University of Colorado Boulder, Colorado	MS in Computer Science
Kenil Shah	ICT with CS	Texas A&M University, College Station, Texas	MS in Management Information System
Anishi Mehta	ICT with CS	Georgia Tech, Atlanta, Georgia	MS in Computer Science (ML specialization)
Aalisha Dalal	ICT with CS	University of California Los Angeles, California	MS in Computer Science
Aditya Joglekar	ICT with CS	University of California Los Angeles, California	MS in Computer Science
Omkar Damle	ICT with CS	New York University Courant Institute, New York	MS in Computer Science
Smriti Sharma	ICT with CS	Carnegie Mellon University, Pittsburgh, Pennsylvania	MS in Public Policy Management: Data Analytics
Aditya Vyas	ICT with CS	Rutgers University, New Brunswick, New Jersey	MS in Data Science
Saumya Jariwala	ICT with CS	New York University Courant Institute, New York	MS in Computer Science
Vaibhav Patel	ICT with CS	University Of Arizona, Tucson, Arizona	Ph.D. in Computer Vision
Samarth Parikh	ICT	Northeastern University, Boston, Massachusetts	MS in Computer Science
Viral Pandey	ICT	Northeastern University, Boston, Massachusetts	MS in Data Science
Nandini Nerurkar	ICT	Carnegie Mellon University, Pittsburgh, Pennsylvania	MS in Information Systems Management
Khushboo Chandwani	ICT	Northeastern University, Boston, Massachusetts	MS in Computer Science
Jay Shah	ICT	Arizona State University, Tempe, Arizona	MS in Computer Science
Kamlesh Rathinam	ICT	University of Massachusetts, Lowell, Massachusetts	MS in Computer Engineering with Concentration in Machine and Artif
Malvika Singh	ICT with CS	Carnegie Mellon University, Pittsburgh, Pennsylvania	MS in Public Policy Management: Data Analytics
JOSHI TORAL JAYANTKUMAR	ICT	New Jersey Institute of Technology, New Jersey	MS in Business and Information System
Suthar Kunal Vinaykumar	ICT	Arizona State University, Arizona	MS in Computer Science
ASHUTOSH ADHIKARI	ICT with CS	University of Waterloo, Ontario, Canada	Master of Mathematics (Computer Science) (Thesis) Universi

5.2.3Students 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	We are not collecting this data.	
SET		
SLET		
GATE		
GMAT		
CAT		
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						
Concours (Annual Sports Festival)	National	~15 Institutes				

iFest (Annual Technical Festival)	National	~4000
Synapse (Annual Cultural Festival)	National	~40000
All Cultural Festivals	Institutional	All Students
Raaga (Music Competition)	Institutional	All Students
Dance Competition	Institutional	All Students
Fashion Night	Institutional	All Students
		All Students
Drama Night	Institutional	

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 Data for 2017-18 available on SBG Website Image: Sports Image: Sports </th <th>matroman, mit</th> <th colspan="8">national, international fever (availation a team event should be counted as one)</th>	matroman, mit	national, international fever (availation a team event should be counted as one)							
	Year	Name of the award/	National/	Sports	Cultural	Student ID	Name of the		
Data for 2017-18 available on SBG Website		medal	International			number	student		
	Data for 20	17-18 available on SI							

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

DA-IICT has a Student Body Government (SBG) which comprises of 122 members acting as representatives to 8 committees: *Academic Committee, Cultural Committee, Hostel Management Committee, Sports Committee, Annual Festival Committee, Cafeteria Management Committee, ICT Committee and Student Placement Cell.* These members are elected through Parliamentary elections conducted by the Election Commission, DA-IICT. The members of SBG (8 committees), among them, elect Convener, Deputy Convener, Treasurer and Secretary of the SBG, known as the SBG Core Team. Apart from these committee members, there are nearly 20 hobby-driven clubs who conduct various activities for the students as a part of the SBG calendar. The SBG Core Team acts as an interface between the SBG (the student community representatives) and the Administration/Faculty. Dean (Students) is the official mentor of the SBG. SBG General Meetings are conducted regularly to discuss the happenings within campus and what work needs to be done by the SBG. This ensures smooth functioning of the SBG.

5.3 Alumni Engagement

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

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.

5.3.2 No. of registered Alumni:

Over 4000

5.3.3 Alumni contribution during the year (in Rupees) :

NIL

5.3.4 Meetings/activities organized by Alumni Association :

The first Alumni Meet after formation of the AA was organized on 19 Jan 2018. Around 60 alumni besides the batch which was there to attend the convocation attended this meet.

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 (maximum 500 words)

In August 2017, the University Grants Commission (UGC) vide UGC (Institutions of Eminence Deemed to be Universities) Regulations, 2017 has issued policy guidelines and regulations for institutions seeking to evolve into world class teaching and research institutions called 'Institutions of Eminence (IoE). DA-IICT aspires to become an Institution of Eminence and it has been observed that the present strategic plan and its implementation process have certain deficiencies for the Institute to achieve this target. Therefore, it has been decided to review the existing strategic plan and lay down tangible actions. Normally, the formulation and/or review of strategic vision plans are carried out by the Committee of Board of Governors and such Committees thus are accountable to the Board. The Institute has consciously taken a decision to depart from this practice and instituted a Committee of internal faculty members with the Convener-ship of Prof Anish Mathuria having the mandate to involve all stake holders, i.e., faculty, staff, students and alumni in the review and preparation of s new strategic vision plan. The Committee was constituted by notification dated 13th January, 2018 and the work of the Committee is in progress.

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 curriculums of the teaching programs are reviewed and updated once in 3-5 years with participation of external experts and industry representatives. The B.Tech. (ICT) curriculum, reviewed and restructured by a Committee under the Convenorship of Prof Maniklal Das, was in the second year of implementation during the reporting year. The curriculums of M.Tech. (ICT) and M.Sc. (IT) Programs were also reviewed and restructured taking into consideration industry needs and emerging technologies. The restructured Programs have been implemented from the academic year 2017-18. It was also planned to review the M. Des. (Communication Design) Program.

✤ Teaching and Learning

We have an online course feedback system through which we take feedback of each course at the end of the semester. This feedback is shared with respective course instructors. The course instructors are supposed to take those points into consideration while delivering next time the same course.

As far as possible we do not give any instructor to teach a core course for more than three consecutive years. It automatically takes care of giving the instructor sufficient time and opportunity to improve his/her course delivery, if at all required.

A faculty is also encouraged to offer at least one elective course which belongs to his/her own research interest area. It takes care of the research growth of the instructor.

Examination and Evaluation

We have developed two systems to administer examinations efficiently -- Question Paper Uploading System (QPUS) and Examination Schedule Generator (ESG) System. QPUS, developed by the Institute for faculty to upload question papers has an auto-email notification feature which sends two-way communication on the actions taken on them. ESG is an automated system which helps error free preparation of examination schedule, rational utilization of examination rooms and effective invigilation.

Research and Development

The institute provides financial support to each faculty and his/her research students (PG/UG) to attend conference (national or international). There is a cap of this support for a time bracket of 3 years, but so far it has been found sufficient.

Many research labs are established to take care of research interest of faculty. Submitting R&D project proposals and getting them sanctioned has been highly encouraged. Foreign collaboration projects are also highly promoted.

Library, ICT and Physical Infrastructure / Instrumentation

Resource Centre (Library), implemented several quality measures and notable among them were VIVOWEB to create visibility of Institute's publications, subjects/research guides to connect resources subject-wise, Virtual Reference Shelf to provide ready reference to the users, enhanced AV collection by adding Udemy courses, conducting regular Author workshops for improving writing skills of the users and collaborating with INFLIBNET and NDLI to share this institutional knowledge with the global research community. The strengthening of ICT infrastructure supportive to teaching and research has always been a priority for the Institute and during 2017-18 the Institute acquired additional ICT resources worth over Rs.275.00 lakh. As regards physical infrastructure, 3 Lecture Theaters were renovated, set up a new engineering design laboratory, created additional 140 sq. ft. of space for start-ups, and renovated all washrooms in hostels incurring an expenditure of over Rs.650.00 lakh. The plan for a new hostel to house 240 students at an estimated cost of Rs.1050.00 lakh was also finalized.

Human Resource Management

The quality improvement strategies adopted in human resources management are wide-ranging. A unique one is involving faculty and staff in managing the affairs of the Institute by appointing them as coordinators and/or members of internal Committees which gives them a sense of ownership and commitment to the Institute. Two of the faculty members serve as members of the Governing Body of the Institute participate in decision making. Some of the HR practices that have been augmented are professional and career development policies for faculty and staff, career planning, performance appraisal, knowledge sharing, performance guidance, sponsorship for conferences and training, funding for seed research and publications, reward and recognition. The HR practices and its impact on quality improvements are assessed through faculty and staff meetings and an online feedback collected from the students.

Industry Interaction / Collaboration

The Institute interacts with 70-80 Companies for placement of students and to draw expert and faculty resources. During the reporting period, the companies the faculty members have interacted for either research or consultancy are

(n)Code Solutions, Gandhinagar, for consultancy, research and training, Macak Technologies LLP, Ahmedabad to set up a Research Lab at the Institute and institute Doctoral Fellowships, Gujarat Informatics Limited for supporting start-ups initiated by the Institute, Samyuk Instrumentation Private Limited, Ahmedabad for using technology developed by Prof Biswajit Misra and IBM India for the Institute to collaborate and launch an MTech/MS Program in Data Analytics.

Admission of Students

UG/PG admissions are done and managed by an institutional committee annually. PhD admission is done twice a year. Our admission process is quite transparent. Everything is kept online including fee payment. Most of the admission processes are complying with the state government's rules and guidelines.

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

A new employee management system with features such as employee data, attendance integration and management, tax management, benefits management, asset tracking with the provision for self-service for employees was implemented. A new Identity Card (ID Card) System for faculty, staff and students have been developed and integrated to the e-campus system. The applicant for ID Card can enter the personal data in a designated platform and the applicant as well as the administrator can access the data, complete the process and print the ID Card and provide the card to the applicant within few hours.

Finance and Accounts

The Institute has a separate financial and accounting management system which integrates all financial transactions with its stake holders, i.e., employees, students, project investigators, researchers, suppliers and contactors. The budget utilization monitoring system introduced in 2017-18 enable the administrators to obtain up-to-date financial status of the Institute and project investigators the status on their sponsored research projects.

Student Admission and Support

The Institute is using an online computerized admission system designed and developed by one of its students. The system handles online submission of application form, payment of application fee, fee accounting, counselling and final admission. An online course feedback system has been implemented in 2017-18 for the students to provide their feedback on courses. A system called student service request system is now being developed for students and graduates of the Institute to request for various services from the Institute such as grade sheets, certificates and other documents and the system will have features for applicants to pay fee for services online, notification on dispatch of documents, their tracking and confirm document receipts.

Examination

The two e-governance systems are Question Paper Upload System (QPUS) and Examination Schedule Generator (ESG). QPUS is a locally configured system which allows faculty to upload the question papers pertaining to their courses. The system has auto-email notification features which sends two-way communication to faculty and Controller of Examinations on actions taken on the question papers. The QPUS permit the faculty to upload multiple question papers up to 10 files of 20 Mbs each. The QPUS auto-generates the depository of all the question papers uploaded. The Examination Schedule Generator (ESG) has replaced the previous method of preparation of examination schedules manually. ESG enables quick preparation and modification of schedules, utilization of examination venues rationally, avoidance of overlapping of examinations and assigning invigilators in an orderly manner.

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/	Name of the professional	Amount of
		workshop attended for	body for which membership	support
		which financial support	fee is provided	
		provided		
2017		MMSP 2017 GLOBALSIP		
		2017 in Nov-17 19th IEEE		
		Workshop on Multimedia,		
	Aditya Tatu	Canada		88500
2017		PIMRC 2017 Conference,		
	Laxminarayana Pillutla	Indore		28841
		Conference on Wireless		28850
		Networks, Singapore		
		SPCOM 2018 at		
2018	Hemant Patil	IIsc,Banagalore		5835
2018		ICASSP 2018,Canada		43000
2017		PreMI 2017,Kolkata		14944
2017		EUSIPCO 2017, Istanbul		82945
2018		BCL Workshop 2018		7259
		IISC, Bangalore		
2017		GCCS 2017, New Delhi		9725
		COMSNETS 2018,		
2018	MV Joshi	Bangalore		33026
		Cadence		
2017	Amit Bhatt	Seminar, Bangalore		19340
2017	Bhaskar Chaudhury	HiPC Conference, Jaipur		1661
2017	Biswajit Mishra	IEEE-RISE 2017, Bhopal		23696

2017		VLSID Conference 2018		10800
2018		IEEE VDAD 2018,		24204
		Madurai		
		SIN'17 10th ACM		
2017	Anish Mathuria	International Conference		8000
		ICISS 17 International		
2017		Conference		12250
2017		Space 2017		2400
2018	Sanjeev Gupta	IMARC 2017, Delhi		18531
2017	Saurabh Tiwari	IEEE RE 2017, Portugal		54580
		Conference on Women		
		and Sectarian Violence,		
		Central University of		
2017	Shweta Garg	Gujarat, Gandhinagar		4000
2018	Manish Khare	10th ACIIDS, Vietnam		113610
		INTNIL Conference		
		University International		
		Conference, Panang-		
2018	Madhumita Mazumdar	Malaysia		64911
		INTNIL Conference		
		University International		
		Conference, Panang-		
2018	Vishvajit Pandya	Malaysia		64911
2018	Manish Narwaria	ACM CoDS , Goa		22342
2010	Manish Kumar Gupta	ISIT 2018 Delhi and USA		104318
2018	Wallish Rumar Oupla	DNA Z4 + wZ4 2018		101534
2010		IEEE, Colorado, USA		101001
2017	Manoj Kumar Raut	ISDA 2017, Delhi		27600
		Membership of IEEE		
2017	Manik Lal Das	Society	IEEE	6774
		COMSNETS		8223
2018	Kamal Captain	2018,Bangalore		
		Conference Blockchain		
2017	Nachiket Trivedi	Technology, Mumbai		17100
		Workshop Blockchain		
2018		Technology, Combatore.		6300
2017		International Retrieval		
	Prasenjit Majumder	Conference ISI, Kolkata		11756
2017		FIRE 2017, Bangalore		13782
2018		Hildesheim, Germany		
		University Staff Mobility		
		Programme, Germany		26829
2017	S K Mitra	PReMI 2017, Kolkata		25823
2017	Sourish Dasgupta	Invited talk series at the		
		university of Missourie,		
		Kansa City, USA		174362
2017	Yash Vasavada	ICACCI Conference		
	1	Manipal		20897

2017			ICACCI Conference				
2017			Bhubneshwar			21991	
2017			ICACCI Conference,			9000	
			IMaRC Conference,				
			Bhubaneshwar				
2018			OFDM SIMO SPCOM			16729	
			2018 at IISc, Bangalore				
2017	Hars	hul Vaishnav	SPACE 2017 Conference	e		9614	
			paper presentation,				
			Madgaon				
2018	Hard	lik Gajera	Workshop on Blockchai	n,		8370	
			Coimbatore				
			Workshop at LIMOS			105383	
			French CNRS LAB,				
			France				
2017		ur Pokhara	IEEE Conference, Kolka	nta		21823	
2017	Ashu	ıtosh Adhikari	Conference on Neural			30000	
			Networks, Alaska, USA				
2017	Rona	ak Odhavia	10th ACM International			4440	
		~	Conference SIN '17, Jair				
2017	Suja	ta Chandraprakash	ICAPR Conference 2017	/,		20000	
2015		1.01.111	Bangalore			19722	
2017	Moh	mad Shaikh	SPCOM 2017, IISc,				
2017			Bangalore			00750	
2017	Pradip Tilala		TENCON Conference,			22750	
2017	Daul	ch an dh ann	Malaysia			16110	
2017	Pankaj Chaudhary		IEEE Iaim-2017, Bangalore			16112	
2018	Drocl	nant Domadiya	IEEE conference on			50000	
2016	riasi	lain Domaulya	Computer Vision,Lake			30000	
			Tatire, USA				
2018	Divi	ta limbachiya	Conference on DNA			7928	
2010	DIXI	ta mnoaem ya	Codes and their			1720	
			Application, Bangalore				
2018	Parth	n Mehta	FIRE 2017, Bangalore			8520	
2018		ıl Vasisth	IMaRC, Ahmedabad			1500	
2017	-	nd Shah	IMARC 2017, Ahmedab	ad		6000	
2017	-	h Kotak	TENCON 2017, Malays			22750	
2017		et Lad	IMARC 2017, Ahmedab			6000	
2018	Nilesh Vaishnav		SPCOM 2018, Bangalor			11000	
2018		sha Sankhvara	Australia ACL	-		119334	
-			2018,Australia				
			FIRE 2017, Bangalore			10341	
6.3.2 N	Jumbe	r of professional de	velopment / administrative	training pro	grammes organized b	by the	
			teaching staff during the ye		- •	-	
Yea	-	Title of the	Title of the	Dates	No. of	No. of	
		professional	administrative training	(from-to)	participants	participants	
		development	programme organised		(Teaching staff)	(Non-	
		programme	for non-teaching staff			teaching	
		organised for				staff)	

teaching staff						
Nil	Nil		Nil	Nil		Nil
6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme,						amme,
Refresher Course, Short Term C	ourse, Faculty I	Developmen	t Programmes	s during the y	ear	
Title of the professional dev	Number o	f teachers who	o attended	Date	and Duration	
programme				(1	from – to)	
NIL						

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

DA-IICT believes that competent and committed faculty will be the foremost building block in the development of an academic institution, who would enjoy academic freedom and flexibility to create, innovate and implement new frontiers in teaching and learning, focus on research and publications, and to do all that will benefit the student body and the society at large.

For recruitment of faculty, DA-IICT follows the eligibility criteria stipulated by UGC. The recruitment advertisements are placed on the Institute's website as a rolling advertisement throughout the year. The Institute also publishes recruitment advertisements in leading newspapers, professional journals and magazines. A Faculty Search Committee comprising of internal and external experts selects candidates by a process that shortlists candidates through an initial screening process of educational background, teaching and research experience, publications etc., followed by a seminar and interview with the expert panel.

There was no new faculty member recruited during 2017-18 period (1 July 2017 to 30 June 2018).

The staff recruitments are done following the procedures of advertisement in newspapers/web site of the Institute followed by skill tests and personal interview with an expert committee. The Junior Research Fellows are recruited for a fixed term to work for sponsored projects. They are included in the staff category.

Sr.	Name Designation		Date of Joining	Status
No.				
1	Rahul Vashisth	Junior Research Fellow	01 August 2017	Contract
2	Julfikar Ahmed	Library Trainee	01 August 2017	Contract
3	Vishal Puri Goswami	Library Trainee	01 August 2017	Contract
4	Abid Fakhre	Library Trainee	08 August 2017	Contract
5	Viral Dave	Junior Research Fellow	05 September 2017	Contract
6	Dharmik Mehta	Laboratory Assistant	08 January 2018	Regular
7	Tanvi Rangwala	Consultant, Student start- ups	15 January 2018	Contract

The research and administrative staff members recruited during 2017-18 is as follows:

	8	Swati Priya	Junior Research Fellov			01 February 2018	Contract		
	9	Nitin Gamit		Library Trainee		12 March 2018	Contract		
	10	Megha Pandya		Junior Research Fello	W	02 April 2018	Contract		
	11	Surupendu		Junior Research Fello	W	01 June 2018	Contract		
	12	Sneha Thakker	•	Manager, Placement		25 June 2018	Regular		
		T	eaching	5		Non-te	aching		
		Permanent		Contract		Permanent	Contract		
		0		0		2	10		
6.	3.5 W	elfare schemes f	or		1				
T	eachin	ng	Free m	edical consultation and	med	icine from campus med	lical centre; discour	nted	
			hospita	lization and medical su	pport from a multi-speciality hospital in				
			Gandhi	inagar; group medical in	insurance with annual coverage of Rs.5.00 lakh;				
			accider	nt insurance coverage;	subsi	ubsidised canteen; interest free loan and leave			
				ment on resignation/reti					
N	on tea	ching		edical consultation and		-		nted	
hospitalization				lization and medical su					
G			Gandhinagar; group medical insurance with annual coverage of Rs.5.00 lakh;						
ac			accident insurance coverage; subsidised canteen; interest free loan and leave						
				ment on resignation/reti					
0				e	secure financial support and scholarships; free				
					licine from campus medical centre; group medical				
insurance annual coverage of Rs.1.000 lakh; accident insurance coverage of									
Rs.00.50 lakh; discounted hospitalization and medical support from a multi-									
speciality hospital in Gandhinagar and subsidised canteen.									
6.4 Financial Management and Resource Mobilization									
6.4.1 Institution conducts internal and external financial audits regularly (within 100 words each)									

6.4.1 Institution conducts internal and external financial audits regularly (within 100 words each) 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 2017-18.

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	Nil	Nil
6.4.2 Total corpus fund generated Nil		

6.5 Internal Quality Assurance System

6.5.1 Whether Acad	6.5.1 Whether Academic and Administrative Audit (AAA) has been done?						
Audit Type	Ех	External					
	Yes/No	Agency	Yes/No	Authority			
Academic	No		No				
Administrative	Yes	M/s JT Shah &					
		Company, Chartered					
		Accountants, Ahmedabad					

6.5.2 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Not applicable

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

Nothing to report as of now.

6.5.4 Development programmes for support staff (at least three)

1. Encouraging support staff to pursue higher studies by (a) interest free loan for payment of fees; (b) rescheduling official timings to attend classes.

2. Sponsorship to participate at training programs relevant to the post the support staff is holding.

3. Permission to participate at conferences, seminars, workshops and training programs conducted by the Institute.

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

The Institute encourages and supports the administrative staff to pursue higher studies in their areas of work as well as sponsor them for higher degree/certificate studies, short term training programs, conferences, seminars and workshops. They are also permitted to participate at these events conducted at the Institute. During the reporting period, the following staff members pursued/nominated for the higher Degree/Certificate courses

1. Mr Shashikumara AA - Permission was granted to pursue Doctoral Studies in Library Science at the Central University, Gandhinagar. Also rescheduled his office timings to attend classes and granted permission to use support facilities to carry out research for his doctoral thesis.

2. Mr Rajesh Patel, Estate Engineer, Mr Kirit Pandya, Assistant Administrative Officer and Mr Jitendra Parmar, Senior Hostel Supervisor – sponsored to participate at the Certificate course on Role of Volunteers and Youth in Disaster Management at Gujarat Institute of Disaster Management, Gandhinagar.

	e	5	U ,	U
6.5.6				
a. Subm	ission of Data for AISHE portal	: Yes		
b. Partic	ipation in NIRF	: Yes		
c. ISO C	Certification	: No		
d. NBA	or any other quality audit	: No		
6.5.7 Nu	umber of Quality Initiatives under	ertaken during the year		
	Name of quality initiative by	Date of conducting	Duration (fromto-	Number of
Year	IQAC	activity)	participants
Nothing	to report as of now.	•		<u>.</u>

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)

Tritle of the programme Period (from-to) Participants Programming Contests for HoR-Men and HoR-Women One per semester Residents of respective HoRs Residents of respective HoRs 7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Image: Semistric					1 /0					
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- 2. Students are not allowed to have cars on campus. Only one two-wheeler is allowed per student.
- 3. Tree plantation organized within campus by the students.
- 4. Drained water from hostels, etc. is treated and used in sprinklers at various places on campus.
- 5. Cleanliness Drives outside the campus, where the students gather and clean their surroundings.
- 6. Reducing the use of plastic in the cafeteria by increasing the use of glass bottles and paper glasses for tea.

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. BTech students have to do a mandatory 1-month Rural Internship as a part of their curriculum, which exposes them to the needs of the society and they realize how the can apply their learning to help the society.
- 2. All the solid waste generated on campus is recycled at a vermicom post plant inside the campus.

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

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

The delay in collating data and publishing in the IQAR would be shortened next time. This year's delay was attributed to bring all process-owners on same wavelength and to make them understand which data are important and how to track them. This took a lot of time and discussion. Now we think that the process of collection of data for this report generation is understood in a better way and we would face little difficulty in publishing the next report.

We also observed that the data collection cycle for the Annual Report of the Institute is 1 Aug to 31 July, whereas the cycle that we decided for IQAR was 1 July to 30 June. To make it operationally consistent, we will align IQAR cycle also with that of Annual Report, i.e., the next IQAR will cover the period of 1 July 2018 to 31 July 2019. And then onward IQARs will also be based on the performance/data of the period 1 Aug to 31 July.

Name Dr. Anil K. Roy

Name Prof. K.S. Dasgupta



Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

Annexure I

Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
СОР	-	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

For Communication with NAAC

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