

Self-Study Report

(SSR)

Submitted by

Charutar Vidya Mandal's



**Institute of Science & Technology for Advanced Studies &
Research (ISTAR)**

(Affiliated to Sardar Patel University & Gujarat Technological University)

Vallabh Vidyanagar - 388120, Gujarat

www.istar.edu.in

Email: istarcvmvn@yahoo.co.uk

Principal: Prof. Nirmal Kumar, J.I.

Email: nirmalkumar@istar.edu.in

Coordinator: Dr. Jigar Patel

Email: pramukhpri@yahoo.co.in

Phone no: [02692 234955]

Fax: [02692 234955]

September, 2018

INDEX

CONTENTS	PAGE NO.
ABBREVIATIONS	3
PREFACE	4
PROFILE OF THE COLLEGE	5
CRITERION 1 CURRICULAR ASPECTS	16
CRITERION II TEACHING-LEARNING AND EVALUATION	24
CRITERION III RESEARCH, CONSULTANCY AND EXTENSION	30
CRITERION IV INFRASTRUCTURE AND LEARNING RESOURCES	39
CRITERION V STUDENT SUPPORT AND PROGRESSION	42
CRITERION VI GOVERNANCE, LEADERSHIP AND MANAGEMENT	55
CRITERION VII INNOVATIONS AND BEST PRACTICES	82

ABBREVIATIONS

BoS	Board of Studies
CVM	Charutar Vidya Mandal
EST	Environmental Science & Technology
GEO	Geoinformatics
GTU	Gujarat Technological University
IC	Industrial Chemistry
INST	Instrumentation & Control
ISTAR	Institute of Science & Technology for Advanced Studies & Research
IT	Information Technology
MCA	Master of Computer Applications
IHS	Industrial Hygiene & Safety
MV	Master of Valuation
MT	Mobile Technology
OC	Organic Chemistry
OFW	Oils, Fats and Waxes
PST	Polymer Science & Technology
SCT	Surface Coating Technology
SPU	Sardar Patel University

PREFACE

Charutar Vidya Mandal (CVM) was established in 1945 in Vallabh Vidyanagar by Shri Bhailalbai Patel (Bhaikaka) and Bhikhabhai Patel for providing meaningful education with strong social sense for regeneration of villages and building modern India. Vallabh Vidyanagar is an educational township realized for fulfilling the dream of Sardar Patel, the epic person who had given vision of establishing modern education institutions, advanced agriculture resources centres and co-operative ecosystems for building prosperous independent India. CVM has established 47 premier institutes for demonstrating deep-rooted commitment for providing education of global standard at Vallabh Vidyanagar. Initially, Dr. H. M. Patel, an ICS officer of great repute nurtured CVM with great care and established educational institutes for courses pertaining to domain of Polytechnic, Arts, Fine Arts, Science, English, Home Science, Architecture, Pharmacy, Higher Secondary, Career Development etc. Dr. C. L. Patel, formerly Executive Engineer of Gujarat Electricity Board, succeeded Dr. H. M. Patel as Chairman of the CVM and used his sound realism and unshakable endurance in establishing more than 20 self-financed colleges and worked as chairman of Gujarat state self-financed colleges association. He extensively renovated and refurbished several institutions and signed MoU with number of foreign universities namely Georgia South Western University, Myers University, Malaspina University, University of Herefordshire, British Columbia University, University of Cincinnati and Eastern Michigan University etc. for providing education of global standards. His unquenchable thirst for revitalizing the society through quality education propelled him to extend the boundaries of Vallabh Vidyanagar and created New Vallabh Vidyanagar at the trisection of Karamsad, Mogri and Gana on 20th April, 2000.

Our institute namely Institute of Science and Technology for Advanced Studies and Research (ISTAR) is a brainchild of Dr. C. L. Patel and was established in the year 1999 exclusively for postgraduate study and research in Chemical Sciences, Information Science and Environment Science. ISTAR pioneered unique interdisciplinary courses like Master of Industrial Hygiene and Safety and Master of Valuation. Facility for Ph.D. study in six disciplines viz. Industrial Chemistry, Environmental Science, Botany, Biotechnology, Chemistry and Computer Science is available at ISTAR. ISTAR is an approved professional institute by All India Council for Technical Education (AICTE) as well as UGC and affiliated to Gujarat Technological University (GTU) and Sardar Patel University. Institute recognizes importance and essentiality of extra-curricular and co-curricular activities. Students are encouraged to organize and participate in technical activities, cultural activities and sports activities for demonstrating their leadership skills and mark of worthy citizens. Institute is committed in shaping career of the students as per the aspirations of the world of tomorrow and has taken many initiatives in this regard. One of the major initiatives taken is Memorandum of Understanding signed by different departments of ISTAR with Institutes and Universities of global repute for providing opportunity for collaborative research, joint planning of seminars and exchange of students and faculties. We understand the importance of sponsored research programs and consultancy work and accomplishments of institute have generated recognition and faith among industries, recruiting agencies and aspirant students. Institute is regularly inviting expert faculties from academia, industries and R & D institute for achieving academic excellence and this has benefitted in placement of our students. Institute is conscious about the raising and maintaining quality standards of higher education, will certainly widen the horizon in the era of knowledge economy with enlightened management of CVM under patronage of Dr. C. L. Patel, and by the efforts of qualified and committed faculty members of ISTAR.

Profile of the Affiliated /Constituent College

1. Name and address of the college:

Name:	Institute of Science and Technology for Advanced Studies & Research (ISTAR)
Address:	Sardar Patel Centre for Science & Technology, Mota Bazaar City: Vallabh Vidyanagar Pin: 388120 State: Gujarat Website: www.istar.edu.in

2. For communication:

Designation	Information
I/c Principal	Name: Prof. Nirmal Kumar, J.I. Telephone with STD code: O: +91-2692-234955 R: +91-2692-231498 Mobile: +91-9825968242 Fax: +91-2692-234955 Email: nirmalkumar@istar.edu.in
Vice Principal	Nil
Steering Committee Coordinator	Name: Dr. Jigar V Patel Telephone with STD code: O: +91-2692-234955 Mobile: +91-9898261951 Fax: +91-2692-234955 Email: pramukhpri@yahoo.co.in

3. Status of the of Institution :

- a. **Affiliated College**
- b. Constituent College
- c. Any other (specify)

4. Type of Institution:

- a. By Gender
- i. For Men
- ii. For Women
- iii. **Co-education**
- b. By shift
- i. **Regular**
- ii. Day
- iii. Evening

5. Is it a recognized minority institution?

No

6. Source of funding:

- a. Government
- b. Grant-in-Aid
- c. **Self-Financing**
- d. Any Other

7.

- a. Date of establishment of the college: **20/01/1999**
- b. University to which the college is affiliated /or which governs the college
(If it is a constituent college)
Sardar Patel University, Gujarat Technological University
- c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	09/05/2012	----
ii. 12 (B)	09/05/2012	----

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

- d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/clause	AICTE
Recognition/Approval details Institution/Department/ Programme	MCA
Day, Month and Year (dd-mm-yyyy)	28-06-2001
Validity	Extension Approved Till Academic Year 2017-18
Remarks	-

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9. Is the college recognized

a. By UGC as a College with Potential for Excellence (CPE)?

Yes No

If yes, date of recognition:

b. For its performance by any other governmental agency?

Yes No

If yes, Name of the agency

Date of recognition: (dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

Location *	Rural Area
Campus area in acres	4.452
Built up area in sq. mts.	10891.61

* (Semi-urban)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using, any of the listed facilities provide information on the facilities covered under the agreement.

a. Auditorium/seminar complex with infrastructural facilities ✓

The Institute has a seminar hall and two conference rooms in which the Institute arranges various academic, research and non-academic events.

b. Sports facilities

- i. Play ground: ✓
- ii. Swimming pool ✕
- iii. Gymnasium ✓

c. Hostel

i. Boys' hostel ✓

- A. Number of hostels- **1** [Girnar Hostel]
- B. Number of inmates - 175
- C. Facilities (mention available facilities)

Each hostel room is three seated and each student gets a separate bed, writing table, chair and cupboard. Sports facilities are also available.

ii. Girls' hostel ✓

- A. Number of hostels- **1** [Square Hostel]
- B. Number of inmates- 22
- C. Facilities (mention available facilities)

Each hostel room is three seated and each student gets a separate bed, writing table, chair and cupboard. Sports, and mess facilities are also available.

iii. Working women's hostel: N/A

- A. Number of inmates
- B. Facilities (mention available facilities)

d. Residential facilities for teaching and non-teaching staff (give numbers available -- cadre wise)

The CVM provides residential facility cadre wise [for all classes] based on request from employees. The Head of the institute is provided an independent bungalow.

e. Cafeteria – Very close to main market having cafeteria and shopping center

f. Health centre – CVM has its own health centre where any student and staff member of CVM managed colleges can avail the health care facilities at free of cost. Full time Medical Officer and supporting paramedical staff is providing general treatment.

Along with this, University Health Centre is also very close to the college and students and staff are provided treatment **at very nominal charges (1 Paise /Case)**. Panchayat Hospital of Vallabh Vidyanagar also provides health care services at nominal charges.

g. First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....

All the departments, labs and the office have a first aid facility. CVM has ambulance and much acclaimed 108-ambulance facility is provided through call. For emergency care facility (if any) services of medical college and hospital of Charotar Arogya Mandal, a sister concern of CVM is availed. The hospital is fully equipped with all the latest equipments, OTs and highly qualified doctors and staff provide medical services.

Health center staff –

Qualified doctor	Full time	<input checked="" type="checkbox"/>	Part-time
Qualified Nurse	Full time	<input checked="" type="checkbox"/>	Part-time

h. Facilities like banking, post office, book shops

Vallabh Vidyanagar is a well-known academic hub of Gujarat. All major private and nationalized banks with their ATMs are operating near the Institute in a radius of 200m. Cooperative bank is opposite to the Institute. The Post Office is located at 200 m away from the Institute campus. There are several bookshops and stationery shops in close vicinity of the Institute to cater to the requirements students.

i. Transport facilities to cater to the needs of students and staff

The college is well connected by road transport services provided by Gujarat State Road Transport Corporation. City buses and private auto rickshaws are also operating and city railway station is just 500 m away. Thus, adequate transport facilities are available for college students. CVM's bus facility is available for requirements like educational tours, NSS camps etc.

Qualis (GJ-7-R6607) car is provided to the Head of the institute and it is also used for institute's official work. The institute has its own Verna Car (GJ-23-H-7759) and it is used for staff participating in extension activities.

j. Animal house: N/A

k. Biological waste disposal: The biological waste –bacterial and fungal media is autoclaved / sterilized after completion of practicals and disposed it to properly for couple of practicals.

l. Generator or other facility for management/regulation of electricity and voltage: Institute has own generator of 125kVA. MCBs and stabilizers are used for power safety and computer labs are provided stabilized power through UPS.

m. Solid waste management facility

The institute sweepers collect waste from each department and timely disposed into two Municipality wagons nearby our institute. Thereafter, it is collected by Municipality from the Institute for disposal on daily basis.

n. Wastewater management

College has a drainage connection with Municipal sewer.

o. Water harvesting

Rain water is collected and harvested in semi underground tank for usage in laboratory. Departments in Industrial Chemistry building are using harvested water for laboratories consumption.

12. Details of programmes offered by the college

Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/approved Student strength	No. of students admitted
Post-Graduate	M.Sc. GEO	Four Semester	B.Sc. in Computer Science, Geography, Env. Sci., Physics	English	30	15
	M.Sc. MT	Four Semester	B.Sc. in Computer Science, Geography, Env. Sci., Physics	English	30	00
	M.Sc. EST	Four Semester	B.Sc. in any Science subject, Geography, Fire and Safety, B.E and B. Pharm	English	70	43
	M.Sc. IC	Four Semester	B.Sc. with IC, Chemistry, IC (Vocational) Applied Chemistry, Ind. Polym. Chemistry, B. Pharm, Biochemistry		70	70
	M.Sc. INST	Four Semester	B.Sc. with Instrumentation, Instrumentation(Voc), Electronics, Physics, Electronics & Communication		70	10
	M.Sc. IT	Four Semester	B.Sc. with Information Science, IT, CS, Bioinformatics, BCA, BBA, BE, PGDCA		70	00

	M.Sc. PST	Four Semester	B.Sc. with IC, IC (Voc) Applied Chemistry, Ind. Polymer Chemistry, Chemistry		70	27
	M.Sc. SCT	Four Semester	B.Sc. with IC, IC (Voc) Applied Chemistry, Ind. Polymer Chemistry, Chemistry		70	70
	M.Sc. OC	Four Semester	B.Sc. with Chemistry, IC (Vocational)		70	47
	M.Sc. OFW	Four Semester	B.Sc. with IC, IC (Voc) Applied Chemistry, Ind. Polymer Chemistry, Chemistry		70	00
	MCA	Six Semester	GTU Norms		70	00
	MCA Lateral	Four Semester	GTU Norms		70	00
	MIHS	Four Semester	B.Sc. or B.E. from a recognized University		15	15
	MV (Real Estate)	Four Semest	Degree in Science, Engg.,		30	30

	MV(Plant and Machinery)	er	Commerce, Economics, Management, Agriculture etc. Pass in Final Exam in Valuation Surveying, Building and Quantity, Land & Hydrographic Surveying conducted by Institution of Surveyors, New Delhi - 110 016 Pass in Section 'A' and 'B' Examinations conducted by Institution of Engineers, 8 - Gokhale Road, Kolkata - 700 020 OR Institution of Mechanical Engineers (India)		15	10
Ph.D.	Ph.D.in IC, Chemistry, Env. Science, Botany Biotechnology, Computer Science	Six Semester for full time while Eight Semester for part time	M.Sc. result and University Entrance Test	English		3
PG Diploma	Geoinformatics			English		7

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

14. New programmes introduced in the college during the last five years if any?

Yes No Number

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Particulars	UG	PG	Research
Science	-----	√	√
Inter disciplinary	-----	√	-----

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, and M.Com...)

- a. Annual system
b. **Semester system**
c. Trimester system

17. Number of Programmes with

- a. **Choice Based Credit System**
b. **Inter/Multidisciplinary Approach**
c. Any other (specify and provide details)

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes No

If yes,

a. **Year of Introduction of the programme(s).....N/A.....** (dd/mm/yyyy) and number of batches that completed the Programme

b. **NCTE recognition details (if applicable) N/A**

Notification No.:

Date: (dd/mm/yyyy)

Validity:

c. **Is the institution opting for assessment and accreditation of Teacher Education Programme separately?**

Yes No

Does the college offer UG or PG programme in Physical Education?

Yes No

If yes,

d. **Year of Introduction of the programme(s).....** (dd/mm/yyyy) and number of batches that completed the programme

NCTE recognition details (if applicable)

Notification No.:N/A.....

Date: (dd/mm/yyyy)

Validity:

e. **Is the institution opting for assessment and accreditation of Physical Education Programme separately?** Yes No

19. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC/Univ/State Govt.	Not applicable (Self financed college)									
Sanctioned by the Management/society or other authorized bodies Recruited	1	1	1	0	15	3	18	2	8	0

Positions	Teaching faculty						Non-		Technical	
Adhyapak Sahayak/ Adjunct Prof./Trainee Assistant Professor	1	0	0	0	01	3	0	0	0	0
Yet to recruit					0					

*M-Male *F-Female

20. Qualifications of the teaching staff:

Highest qualification	Professor		Asso. Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	01	01	01	00	13	00	16
M.Phil.							
PG					02	03	05
Temporary teachers [Adhyapak Sahayak/ Adjunct Prof./Trainee Assistant Prof]							
Ph.D.					00	01	01
PG	01				01	02	04
Part-time teachers					NA		

21. Number of Visiting Faculty/Guest Faculty engaged with the College.

Visiting Faculty for 1st & 3rd Semester: 37

Visiting Faculty for 2nd & 4th Semester: 25

Total: 62

22. Furnish the number of the students admitted to the college during the last four academic years

Categories	13-14		14-15		15-16		16-17		17-18	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SC	05	01	07	02	06	00	04	04	08	01
ST	05	04	01	06	05	01	03	08	03	04
OBC	40	03	23	07	47	03	53	06	46	02
General	296	58	215	60	172	40	181	41	231	48
Total	412		321		274		300		343	

23. Details on students enrolment in the college during the current Academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	Nil	281	Nil	2	283
Students from other states of India	Nil	19	Nil	00	19
NRI students	Nil	Nil	Nil	Nil	Nil
Foreign students	Nil	Nil	Nil	Nil	Nil
Total		300		02	302

25. Dropout rate in UG and PG (average of the last two batches)UG PG **26. Unit Cost of Education**

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component (b) Excluding the salary component **27. Does the college offer any programme/s in distance education mode (DEP)?**Yes No

If yes,

a. Is it a regional centre for offering distance education programmes of another University,No **b.** Name of the University which has granted such retraction. **c.** Number of programmes offered **d.** Programmes carry the recognition of the Distance Education Council.Yes No **28. Provide Teacher-student ratio for each of the Programme/course Offered**

In year: 2016-17

Sr. No.	Programme	Students: Teachers ratio
1.	IC	28:1
2.	SCT	30:1
3.	OC	27:1
4.	PST	22:1
5.	EST	26:1
6.	INST	10:1
7.	IT	7:1
8.	MVAL (RE)	52:1
9.	MVAL (PM)	13:1
10.	MIHS	15:1
11	MCA	6:1
12	GEO	12:1
13	MT	1:1

The number of only permanent staff is taken into account in the above calculation of student teacher ratio.

29. Is the college applying forAccreditation: **Cycle 1** Cycle 2 Cycle 3 Cycle 4

Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: Accreditation Outcome: A" Grade with 3.10 in July, 2014

Cycle 2: (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: (dd/mm/yyyy) Accreditation Outcome/Result.....

*** Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an Annexure.**

30. Number of working days during the last academic year. 291

(52 Sundays, 7 Diwali holidays, 15 National holidays)

31. Number of teaching days during the last academic year.

(Teaching days means days on which lectures were engaged excluding the examination days)

(52 Sundays, 7 Diwali holidays, 15 National holidays, Summer vacation=45 days, Exams=56 – Internal, External, Theory, Practicals, Semesters I & II)

183

32. Date of establishment of Internal Quality Assurance: 03 /04 /2012

33. Cell (IQAC)

IQAC: 03 /04 /2012

Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (2014-15)

AQAR (2015-16)

AQAR (2016-17)

Any other relevant data the college would like to include.

ISTAR is one of the premiers Institute of the country managing 15 diverse postgraduate programmes under one umbrella.

- M.Sc. Valuation and M.Sc. Hygiene & Safety are only of their kind in the whole nation
- M.Sc. Geoinformatics and Mobile Technology are two novel programs for entire state started by ISTAR in 2016-17
- M.Sc. Surface Coating Technology and Instrumentation & Control are the only courses of its kind offered by ISTAR in the state of Gujarat
- SICART (Sophisticated Instrumentation Center for Applied Research and Testing) facilities established jointly by CVM and DST and ISTAR are jointly conducting 3 days Sophisticated Instrumentation training for students of EST, IC, OC, PST and SCT departments
- Testing and Consultancy in the field of chemical sciences has earned good reputation and faith of industries and Institute is providing Testing and Consultancy services to many industries including GNFC
- Soft skill and PDP in association with Globarena, Hyderabad
- Specialized training programs for Industry & Institute sponsored candidates
- Add-on courses for curriculum enrichment and improved employability
- Remote Class room for IIRS-ISRO outreach and faculty development programs
- RUSA activities under equal opportunity cell for SC / ST and OBC students of the Institute

Criterion 1 – Curricular Aspects (100)

Key Indicator – 1.1 Curricular Planning and Implantation (20)

Metric No.		Weightage
<p>1.1.1 Q1M</p>	<p>The institution ensures effective curriculum delivery through a well planned and documented process</p> <p>Academic calendar is provided by the University and accordingly academic time table for each program is prepared by the Institute. Suggestions of HoD and principal are taken for implementation of teaching plan.</p> <p>Deployment action plan is described below.</p> <ul style="list-style-type: none"> • The department timetable committee plans the schedule for teaching process according to UGC and State Government Resolution. • CBCS system is followed and students are given freedom for selecting the elective subjects from a given pool of subjects. • The Heads of Departments allot teaching duties as per UGC norms initially, If required, teachers available in the department are given few more lectures for the successful completion of the syllabus. • To adjust the work load of staff on leave, all teaching and non-teaching Staff have to mention adjustment of duty in the leave report • In some instances, where the management has sanctioned posts but appropriate candidate is not available, Ad-hoc teachers are appointed by the management. • During the departmental meetings, the head of the department takes feedback from all staff members regarding the details of syllabus completed and it is ensured that at least 40 % syllabus is completed before the internal examinations. • Students are given project assignments for demonstrating their learning outcome. • Guest faculties and alumni are regularly invited for expert talks • Curriculum based workshops and seminars are conducted • Institute teaching – learning model includes class room teaching, webinars, seminars, project work, field visits, assignments, group learning, Invited talks by expert faculty and alumni, remedial classes, educational tours, visits to research laboratories, Soft skills and personality development, interview / job preparation. 	<p>10</p>

1.1.2 Number of certificate/diploma program introduced during the last five years

5

Q_nM

Data Requirement:

- Certificate/ diploma program code
- Name of the program
- Year of Introduction

Sr. No.	Certificate/ diploma program code	Name of the program	Year of Introduction
1	P.G. Diploma	One year P.G. Diploma in Geoinformatics	2014
2	Certificate	QA in pharmaceutical Industries	2014
3	Certificate	Android App development	2016-17
4	Certificate	Microcontroller based system design	2015-16
5	Entrepreneurship Skill Development <ul style="list-style-type: none"> • 20 hrs module under RUSA activities 		
6	Personality Development Programme [PDP]: <ul style="list-style-type: none"> • 24 hrs module in association with Globearena, Hyderabad 		
7	Training on Analytical instruments: 3-days instrumentation training to students of IC, EST, OC, SCT, IHS, PST at SICART		
8	Short-term training on Total Station & Surveying to Geoinformatics students		

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Q_nM

Data Requirement:

- Number of teachers participated
- Name of the body in which full time teacher participated
- Total Number of teachers

Sr. No.	Name of Faculty in Board of Studies	Department	University
1	Prof. (Dr.) Merlin Thomas	Industrial Chemistry	Sardar Patel Uni.
2	Dr. Jigar V. Patel	Industrial Chemistry	Sardar Patel Uni.
3	Dr. Rohit H. Dave	Industrial Chemistry	Sardar Patel Uni.
4	Dr. Nirmal Patel	Industrial Chemistry	Sardar Patel

			Uni.
5	Dr. Kalpesh I. Patel	Surface Coating Technology	Sardar Patel Uni.
6	Dr. Mayank Patel	Surface Coating Technology	Sardar Patel Uni.
7	Prof.(Dr.) Nirmal Kumar	Env. Science & Technology	Sardar Patel Uni.
8	Dr. Hiren B. Soni	Env. Science & Technology	Sardar Patel Uni.
9	Dr. Sanjay Panjabi	Organic Chemistry	Sardar Patel Uni.
10	Dr. P M Udani	Physics	Sardar Patel Uni.
11	Dr. Himanshu Kapse	Ad-hoc board	Sardar Patel Uni.
12	Mr. Rupesh Shah	Ad-hoc board	Sardar Patel Uni.
13	Mr. B. G. Verghese	Ad-hoc board	Sardar Patel Uni.
14	Dr. M.M. Raj	Polymer Science & Technology	Sardar Patel Uni.
15	Dr. S.O. Khanna	Computer Science	Sardar Patel Uni.
16	Dr. Suchita Patel	Computer Science	Sardar Patel Uni.

Sr. No.	Name of Senate Member	Period
1	Dr. P.M. Udani	2013-2017
2	Dr. Merlin Thomas	2012-2017
3	Mr. Rupesh Shah	2012-2017
4	Dr. JigarV. Patel	2018-2023

Year	No of faculty participating various bodies	Total No of Faculty	Percentage per year
2014-2015	19	27	70.37
2015-2016	19	23	82.60
2016-2017	17	22	77.27
2017-2018	18	22	81.81
Average percentage= 78.01			

Percentage per year: 78.01

Average percentage =

$$\text{Percentage per year} = \frac{\text{Number of teachers participating in such bodies}}{\text{Total number of teachers}} \times 100$$

$$\text{Average percentage} = \frac{\sum \text{Percentage per year}}{n}$$

Documents: Upload the scanned copies of the certificate supporting the participation of teachers

Key Indicator – 1.2 Academic Flexibility (30)

Metric No.		Weightage																											
1.2.1	<p>Percentage of new courses introduced of the total number of courses across all programs offered during the last five years</p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Name of the new course introduced <ol style="list-style-type: none"> 1. M.Sc. (Geoinformatics) 2. M.Sc. (Mobile Technology & Applications) • Name of the Program:02 <p>Formula: $(2/11) \times 100 = 18.18\%$</p>	10																											
1.2.2	<p>Percentage of programs in which Choice Based Credit System (CBCS)/elective course system has been implemented</p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Names of all programs adopting CBCS • Names of all programs adopting elective course system <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr. No.</th> <th style="text-align: center;">All programmes</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1.</td><td>M.Sc. (Environment Science & Technology)</td></tr> <tr><td style="text-align: center;">2.</td><td>M.Sc. (Industrial Chemistry)</td></tr> <tr><td style="text-align: center;">3.</td><td>M.Sc. (Surface Coating Technology)</td></tr> <tr><td style="text-align: center;">4.</td><td>M.Sc. (Polymer Science & Technology)</td></tr> <tr><td style="text-align: center;">5.</td><td>M.Sc. (Organic Chemistry)</td></tr> <tr><td style="text-align: center;">6.</td><td>M.Sc. (Instrumentation & Control)</td></tr> <tr><td style="text-align: center;">7.</td><td>M.Sc. (Valuation- Real Estate)</td></tr> <tr><td style="text-align: center;">8.</td><td>M.Sc. . (Valuation- Plant and Machinery)</td></tr> <tr><td style="text-align: center;">9.</td><td>M.Sc. (Industrial Hygiene & Safety)</td></tr> <tr><td style="text-align: center;">10.</td><td>M.Sc. (Geoinformatics)</td></tr> <tr><td style="text-align: center;">11.</td><td>M.Sc. (Mobile Technology & Applications)</td></tr> <tr><td style="text-align: center;">12.</td><td>M.Sc. (Information Technology)</td></tr> </tbody> </table> <p>Formula: $(12/12) \times 100 = 100\%$</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr> <td style="border: 1px solid black; padding: 2px;"> $\frac{\text{Number of programs in which CBCS or elective course system implemented}}{\text{Total number of programs offered}} \times 100$ </td> </tr> </table> </div>	Sr. No.	All programmes	1.	M.Sc. (Environment Science & Technology)	2.	M.Sc. (Industrial Chemistry)	3.	M.Sc. (Surface Coating Technology)	4.	M.Sc. (Polymer Science & Technology)	5.	M.Sc. (Organic Chemistry)	6.	M.Sc. (Instrumentation & Control)	7.	M.Sc. (Valuation- Real Estate)	8.	M.Sc. . (Valuation- Plant and Machinery)	9.	M.Sc. (Industrial Hygiene & Safety)	10.	M.Sc. (Geoinformatics)	11.	M.Sc. (Mobile Technology & Applications)	12.	M.Sc. (Information Technology)	$\frac{\text{Number of programs in which CBCS or elective course system implemented}}{\text{Total number of programs offered}} \times 100$	10
Sr. No.	All programmes																												
1.	M.Sc. (Environment Science & Technology)																												
2.	M.Sc. (Industrial Chemistry)																												
3.	M.Sc. (Surface Coating Technology)																												
4.	M.Sc. (Polymer Science & Technology)																												
5.	M.Sc. (Organic Chemistry)																												
6.	M.Sc. (Instrumentation & Control)																												
7.	M.Sc. (Valuation- Real Estate)																												
8.	M.Sc. . (Valuation- Plant and Machinery)																												
9.	M.Sc. (Industrial Hygiene & Safety)																												
10.	M.Sc. (Geoinformatics)																												
11.	M.Sc. (Mobile Technology & Applications)																												
12.	M.Sc. (Information Technology)																												
$\frac{\text{Number of programs in which CBCS or elective course system implemented}}{\text{Total number of programs offered}} \times 100$																													

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma /Add-on programs as against the total number of students

Data Requirement:

- Total number of students enrolled in certificate diploma /Add-on Programs
- Total number of students across all the programs

No. of students enrolled during this year					
Name of the program	2014-2015	2015-2016	2016-2017	2017-2018	Total
One year P.G. Diploma in Geoinformatics	20	20	35	18	93
Certificate course in QA in pharmaceutical Industries	21	27	04	42	94
Certificate course in Android App development			14	Not conducted	14
Certificate course in microcontroller based system design		25	Not conducted	Not conducted	25
Total	41	72	53	60	226
Total no of students across all programs	321	274	300	343	1238
Percentage per year	12.77%	26.27%	16.66%	17.49%	
Average percentage = (226/1238) x 100 = 18.25%					

Formula:

Average percentage = 18.25%

Key Indicator – 1.3 Curriculum Enrichment (30)

Metric No.		Weightage
1.3.1 QIM	<p>Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum</p> <p>Upload:</p> <ul style="list-style-type: none"> • A description of courses which address Gender, Environment and Sustainability, Human Values and Professional Ethics • A complete P.G Programme on Environmental Science and Technology(EST) is offered by the institute • All departments offers courses related to Environment and Sustainability under CBCS system • Industrial Chemistry Department Offers a core course on Industrial Psychology which inculcates Values and Professional ethics in the students • Institute is celebrating Environment Day and ozone day celebrations, “Swachcha-Bharat Abhiyana”, Plantation program, sustainable solid waste management for which EST department is taking the initiative and due to that general awareness is created in Institute. Popular lecture / seminar / webinars are arranged on topics like climate change, gender issues, human rights etc. • Co-curricular activities under Nature club and NSS are organized. • The subject of environmental audit is a part of the curriculum and EST department is monitoring quality of water, soil, air and noise levels in our campus. • We have established a Women Development Cell (WDC) – ISTARthat looks after anti-harassment, Gender Equality and women development activities. • The NSS cell organizes various extra-curricular activities such as blood donation camps, health camps, sanitation camps etc. which promotes human values. 	10
1.3.2	<p>Number of value-added courses imparting transferable and life skills offered during the last five years</p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Names of the value added courses with 30 or more contact hours <ol style="list-style-type: none"> 1. One year P.G. Diploma in Geoinformatics 2. QA in Pharmaceutical Industries 3. Android App development 4. Microcontroller based system design • No. of times offered during the same year: Once in a Year • Total no. of students completing the course in the year: <ul style="list-style-type: none"> ○ Institute regularly organizes Personality development, Quiz, Group discussions and career oriented programs. ○ PDP of 24 hours per year is offered to all the students of the institute. 	15

1.3.3 Percentage of students undertaking field projects / internships

QnM

Data Requirements:

- Names of the program
- No. of students undertaking field projects / internships in the last five years

Formula:
$$\frac{\text{Number of students undertaking field projects or internships}}{\text{Total number of students}} \times 100$$

$$\frac{1100}{1239} \times 100 = 88.78\%$$

Total No of Students from 2014-2018 in Org Chem. Dept.: 139

No. of students enrolled during this year					
Dept.	2014-2015	2015-2016	2016-2017	2017-2018	Total
Industrial Chemistry	70	70	70	70	280
Polymer science & Technology	25	29	18	29	101
Surface Coating & Technology	37	26	38	70	171
Environment Science & Technology	43	32	47	42	164
Master of Valuation (RE)	27	22	30	30	109
Master of Valuation (PM)	04	11	14	11	40
Master in Hygiene & Safety	15	15	15	15	60
Instrumentation	07	04	09	11	31
Information Technology	43	15	07	00	65
Master in Computer Application	34+2	11+0	6+0	00+00	53
Geoinformatics	-	-	09	16	25
Mobile technology	-	-	01	00	01
Total	307	235	264	294	1100

5

Key Indicator – 1.4 Feedback System (20)

Metric No.		Weightage
<p>1.4.1</p> <p>QnM</p>	<p style="text-align: center;">Structured feedback received from design and review of syllabus Semester wise /year wise</p> <p>1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for</p> <p>Options: A. Any 4 of above B. Any 3 of above C. Any 2 of above</p>	
	<p>D. Any 1 of above E. None of the above</p> <p>Opt one: Any 3 of the above</p> <p>Data Requirements: Report of analysis of feedback received from different stakeholders year wise Documents: Upload Stakeholder feedback report, Action taken report on it as minuted by the Governing Council, Board of Management.</p>	10
<p>1.4.2</p> <p>QnM</p>	<p>Feedback processes of the institution may be classified as follows:</p> <p>A. Feedback collected, analyzed and action taken and feedback available on website B. Feedback collected and analyzed D. Feedback collected E. Feedback not collected</p> <p>Opt One: Feedback collected and analysed</p> <p>Documents: Upload Stakeholder feedback report, Action taken report on it as minuted by the Governing Council, Board of Management</p>	10

Criterion - II: Teaching, Learning and Evaluation

2.1.1 Average percentage of students from other States and Countries during the last five years

Data Requirement for last five years:

Institute	2014-2015	2015-2016	2016-2017	2017-2018
Number of students enrolled from other states and countries	44	27	34	40
Total number of students enrolled	282	265	290	343
	15.60	10.18	11.72	11.66
	12.29			

2.1.2 Average enrolment percentage (Average of last five years)

Data Requirements last five years:

Institute	2014-2015	2015-2016	2016-2017	2017-2018
Total Number of students admitted	282	265	290	343
Total number of sanctioned seats	480	480	550	550
	58.75	55.20	52.72	62.36
	57.25			

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Data Requirement:

Institute	2014-2015	2015-2016	2016-2017	2017-2018
Number of students admitted from the reserved category	37	49	40	55
Total number of seats earmarked for reserved category as per GOI or State Government rule	137	137	169	169
	27.00	35.76	23.66	32.54
	29.75			

2.2.1	<p>The institution assesses the learning levels of the students, after admission and organizes special programs for advanced learners and slow learners</p> <ul style="list-style-type: none"> • Our departmental Teacher counsellors keep evaluating the students by asking questions in classrooms, conducting weekly tests, giving them assignments and discussing results of internal tests. • Open-House: Department Counsellors discuss and provide improvement measures to students, and their parents regarding internal exam marks, attendance, regularity, sincerity, assignments, seminar presentations, remedial classes, and counselling to overcome the drop-out ratio. • SC/ST/OBC/SEBC and minority students are given benefits of scholarships as per reservation policy. 																				
2.2.2	<p>Student - Full time teacher ratio</p> <table border="1" data-bbox="316 757 1497 1211"> <thead> <tr> <th data-bbox="316 757 555 792">Institute</th> <th data-bbox="555 757 790 792">2014-2015</th> <th data-bbox="790 757 1024 792">2015-2016</th> <th data-bbox="1024 757 1259 792">2016-2017</th> <th data-bbox="1259 757 1497 792">2017-2018</th> </tr> </thead> <tbody> <tr> <td data-bbox="316 792 555 983">Total number of students enrolled in the Institute</td> <td data-bbox="555 792 790 983">617</td> <td data-bbox="790 792 1024 983">546</td> <td data-bbox="1024 792 1259 983">553</td> <td data-bbox="1259 792 1497 983">622</td> </tr> <tr> <td data-bbox="316 983 555 1173">Total number of full time teachers in the Institute</td> <td data-bbox="555 983 790 1173">27</td> <td data-bbox="790 983 1024 1173">23</td> <td data-bbox="1024 983 1259 1173">22</td> <td data-bbox="1259 983 1497 1173">22</td> </tr> <tr> <td data-bbox="316 1173 555 1211"></td> <td data-bbox="555 1173 790 1211">22.85 : 1</td> <td data-bbox="790 1173 1024 1211">23.73 : 1</td> <td data-bbox="1024 1173 1259 1211">25.13 : 1</td> <td data-bbox="1259 1173 1497 1211">28.27 : 1</td> </tr> </tbody> </table>	Institute	2014-2015	2015-2016	2016-2017	2017-2018	Total number of students enrolled in the Institute	617	546	553	622	Total number of full time teachers in the Institute	27	23	22	22		22.85 : 1	23.73 : 1	25.13 : 1	28.27 : 1
Institute	2014-2015	2015-2016	2016-2017	2017-2018																	
Total number of students enrolled in the Institute	617	546	553	622																	
Total number of full time teachers in the Institute	27	23	22	22																	
	22.85 : 1	23.73 : 1	25.13 : 1	28.27 : 1																	
2.2.3	<p>Percentage of differently abled students (Divyangjan) on rolls</p> <p>Data Requirement for last five years:</p> <table border="1" data-bbox="316 1435 1497 1854"> <thead> <tr> <th data-bbox="316 1435 555 1471">Institute</th> <th data-bbox="555 1435 790 1471">2014-2015</th> <th data-bbox="790 1435 1024 1471">2015-2016</th> <th data-bbox="1024 1435 1259 1471">2016-2017</th> <th data-bbox="1259 1435 1497 1471">2017-2018</th> </tr> </thead> <tbody> <tr> <td data-bbox="316 1471 555 1704">Total number of differently abled students on roll in the Institute</td> <td data-bbox="555 1471 790 1704">00</td> <td data-bbox="790 1471 1024 1704">00</td> <td data-bbox="1024 1471 1259 1704">00</td> <td data-bbox="1259 1471 1497 1704">00</td> </tr> <tr> <td data-bbox="316 1704 555 1854">Total number of students on roll in the Institute</td> <td data-bbox="555 1704 790 1854">282</td> <td data-bbox="790 1704 1024 1854">265</td> <td data-bbox="1024 1704 1259 1854">290</td> <td data-bbox="1259 1704 1497 1854">343</td> </tr> </tbody> </table>	Institute	2014-2015	2015-2016	2016-2017	2017-2018	Total number of differently abled students on roll in the Institute	00	00	00	00	Total number of students on roll in the Institute	282	265	290	343					
Institute	2014-2015	2015-2016	2016-2017	2017-2018																	
Total number of differently abled students on roll in the Institute	00	00	00	00																	
Total number of students on roll in the Institute	282	265	290	343																	
2.3.1	<p>Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences</p> <ul style="list-style-type: none"> • Department organizes Weekly tests on every Saturday for Junior and Senior students, simultaneously. • The focus of each department is always student centric, and they are informed 																				

	<p>about the courses available to them, examination system, counselling, sports, NSS and the future prospects and scope of each program.</p> <ul style="list-style-type: none"> • Course-wise topics are selected for the group seminars and discussion and the student groups are identified for different topics. • Field studies, seminars, workshops, Study tours, industrial visits, Practical classes/Experiments provide platform for collaborative learning. • Project assignments, seminar presentations, and preparation of reports enhance students' independent learning ability. • Counselling meetings for groups of students to discuss and solve their problems are organized periodically 										
<p>2.3.2</p>	<p>Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.</p> <p>Data Requirements:</p> <p>Number of teachers using ICT (LMS, e-resources):100% Number of teachers on roll (25) ICT tools and resources available: Each faculty is allotted a desktop computer with internet facility. A laptop is allotted to the department with Wi-Fi facility. Classroom with LCD projector.</p>										
<p>2.3.3</p>	<p>Ratio of mentor to students for academic and stress related issues</p> <p>Data Requirement for last five years:</p> <p>Number of students assigned to each Mentor:35 Formula: Mentor: Mentee: 1:35</p>										
<p>2.3.4</p>	<p>Innovation and creativity in teaching-learning</p> <ul style="list-style-type: none"> • All departments offers project work to the last semester students which develops R & D related insight in the students and also gives them the exposure of the professional environment • Students of the IC, SCT, PST, EST department are assigned project work in last semester, and they are guided for review of literature, project work planning, and preparation of project reports. Additionally, above department are having Ph.D. students under guidance of faculties. The faculties carry out the research work and Ph.D. students are presented during internal seminars, which provide inspiration to the post-graduate students for creative thinking and joining for R & D work. • Also department is arranging Subject Seminars, Expert Talks, Training Seminars, Project Seminars, Industrial Visit etc. • Campus interview preparation related training programmes are arranged by all departments • 4 week in-plant training is compulsory for IC, SCT and PST students after completion of 2nd semester 										
<p>2.4.1</p>	<p>Average percentage of full time teachers against sanctioned posts during the last five years</p> <p>Data Requirement for last five years:</p> <table border="1" data-bbox="316 2040 1497 2190"> <thead> <tr> <th>Institute</th> <th>2014-2015</th> <th>2015-2016</th> <th>2016-2017</th> <th>2017-2018</th> </tr> </thead> <tbody> <tr> <td>Number of full time teachers in Institute</td> <td>26</td> <td>23</td> <td>22</td> <td>22</td> </tr> </tbody> </table>	Institute	2014-2015	2015-2016	2016-2017	2017-2018	Number of full time teachers in Institute	26	23	22	22
Institute	2014-2015	2015-2016	2016-2017	2017-2018							
Number of full time teachers in Institute	26	23	22	22							

	Number of sanctioned posts in Institute	26	25	27	25
		100 %	92.00 %	81.48 %	88.00%
		90.37 %			
2.4.2 Average percentage of full time teachers with Ph.D. during the last five years					
Data Requirement:					
	Institute	2014-2015	2015-2016	2016-2017	2017-2018
	Number of full time teachers with PhD in Institute	17	16	15	18
	Total number of full time teachers in Institute	25	22	23	22
		68.00 %	72.72 %	65.21 %	68.18 %
		68.52 %			

2.4.4	Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognized bodies during the last five years
	Data Requirement: Number of full time teachers receiving awards from State, National, International level: 04 Total number of teachers in Institute: 25
2.4.5	Average percentage of full time teachers from other States against sanctioned posts during the last five years
	Data Requirement: Number of full time teachers from other states 07 Total number of sanctioned posts
2.5.1	Reforms in Continuous Internal Evaluation(CIE) system at the institutional level
	<ul style="list-style-type: none"> • Syllabus, scheme of courses, question paper pattern along with marks distribution, pattern of theory examination and scheme of assessment for practical examination are informed to all the students well in advance. • Subject seminars and assignment are the part of internal evaluation • Department also conducts weekly test and internal test as per prescribed schedule. • Open house is conducted every year where parents can see the answer books of their wards

2.5.2	<p>Mechanism of internal assessment is transparent and robust in terms of frequency and variety</p> <ul style="list-style-type: none"> • Summative assessment is done through weekly tests, internal tests, final university examination, and viva-voce. This ensures systematic, transparent, and unbiased assessment of learning outcome. Besides, preparation of Dissertation and Seminar presentation on project work provide important platform of evaluation of the students. • Formative assessment is done through seminars presentations (Topics allotted), weekly tests, project assignments, mock interviews, attendance and Group discussion and this has resulted in better student – teacher interactions, learning process, personality development of students, improved knowledge application and employability. • This mechanism ensures greater involvement of students in studies and also inspires them for self-learning study and helps the teachers to identify the slow learners who need more assistance/help. • Results of any form of internal evaluation is declared in one week time
2.5.3	<p>Mechanism to deal with examination related grievances is transparent, time-bound and efficient</p> <ul style="list-style-type: none"> • Exam schedules are included in the academic calendar and conveyed well in advance • Syllabus for every form of exams are given well in advance • Answer papers are shown to students after assessment and grievances if any are discussed and resolved immediately • OPEN HOUSE for Students and Parents every year
2.5.4	<p>The institution adheres to the academic calendar for the conduct of CIE</p> <p>Academic calendar is given by the university, based on that institute prepares its own academic calendar which is followed by all the departments of the institute. It is also displayed on the website of the institute</p>
2.6.1	<p>Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed on website and communicated to teachers and students</p> <ul style="list-style-type: none"> • Outcomes for each & every course is prepared and kept in the department which are available for all the stake holders
2.6.2	<p>Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution</p> <ul style="list-style-type: none"> • Outcomes of programme are evaluated every year in terms of university results, placements etc. in the Board meeting
2.6.3	<p>Average pass percentage of students</p> <p style="text-align: center; color: red;">See Below table on next page</p>

2.7.1	Online student satisfaction survey with regard to teaching learning process
	Data Requirement for last five years: Name/ Class/ Gender Student Id number/ Adhar Id number Mobile number Email id Degree programme

2.6.3	Average pass percentage of students															
	Course	2014 May				2015 May				2016 May				2017 May		
	total	D	F	%P	total	D	F	%P	total	D	F	%P	total	D	F	%P
EST	54	22	39	100	42	20	22	100	40	11	20	100	32	16	12	100
IC	70	22	31	100	70	29	34	100	70	23	34	100	70	13	41	98.6
INST	32	01	25	100	10	--	06	100	07	03	04	100	04	02	02	100
IT	133	100	33	100	65	50	15	100	40	39	01	100	14	05	09	100
MIHS	15	03	08	100	15	07	07	100	15	06	04	100	15	05	06	100
MV (RE)	14	05	03	100	18	05	07	100	27	05	12	100	18#	09	05	100
MV (P&M)	04	02	01	100	05	01	04	100	04	00	04	100	09##	02	05	100
OC	22	02	11	72	21	02	15	72	14	1	13	100	32	08	19	97
PST	20	12	08	100	25	02	20	100	23	13	08	100	28	12	15	100
SCT	48	08	21	100	50	11	18	100	36	12	10	100	26	05	13	100
MCA	50	41	00	90	116	110	13	95.69	30	30	12	100	08	01	04	75

* D: Distinction, F: First Class

Project viva and result declaration of 4 students is pending

Project viva and result declaration of 2 students is pending

Nearly 100 % results are achieved during the last four years for all the programmes.

Criterion 3 – Research, Innovations and Extension (120)

Key Indicator - 3.1 Resource Mobilization for Research (10)

Metric No.		Weightage																																																
3.1.1 Q _n M	<p>Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Name of the Staff</th> <th style="text-align: center;">Agency</th> <th style="text-align: center;">Year</th> <th style="text-align: center;">Amount in Rs.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Dr. Nirmal Kumar</td> <td style="text-align: center;">UGC</td> <td style="text-align: center;">2013-2017</td> <td style="text-align: center;">12,30,000</td> </tr> <tr> <td style="text-align: center;">Dr. Nirmal Kumar Dr. Hiren B. Soni</td> <td style="text-align: center;">GEC</td> <td style="text-align: center;">2014-15</td> <td style="text-align: center;">5,22,000</td> </tr> <tr> <td style="text-align: center;">Dr. Nirmal Kumar</td> <td style="text-align: center;">GUJCOST</td> <td style="text-align: center;">2016-17</td> <td style="text-align: center;">2,30,000</td> </tr> <tr> <td style="text-align: center;">Dr. Dhruvi S. Patel</td> <td style="text-align: center;">UGC, Pune</td> <td style="text-align: center;">2013-15</td> <td style="text-align: center;">1,40,000</td> </tr> <tr> <td style="text-align: center;">Dr. Nirmal Kumar, J.I. & Dr. Hiren B. Soni</td> <td style="text-align: center;">GUJCOST</td> <td style="text-align: center;">2015-16</td> <td style="text-align: center;">70,000</td> </tr> <tr> <td style="text-align: center;">Dr. Jigar Patel</td> <td style="text-align: center;">Pidilite Industries, Mumbai</td> <td style="text-align: center;">2012-14</td> <td style="text-align: center;">1,00,00</td> </tr> <tr> <td style="text-align: center;">Dr. Merlin Thomas</td> <td style="text-align: center;">UGC</td> <td style="text-align: center;">2013-15</td> <td style="text-align: center;">75000</td> </tr> <tr> <td style="text-align: center;">Dr. Nirmal Patel</td> <td style="text-align: center;">UGC</td> <td style="text-align: center;">2013-15</td> <td style="text-align: center;">85000</td> </tr> <tr> <td style="text-align: center;">Dr. Nirmal Patel</td> <td style="text-align: center;">NPTEL</td> <td style="text-align: center;">2014-15</td> <td style="text-align: center;">7,00,000</td> </tr> <tr> <td style="text-align: center;">Dr. Jigar Patel</td> <td style="text-align: center;">GUJCOST</td> <td style="text-align: center;">2016-18</td> <td style="text-align: center;">1,95,000</td> </tr> <tr> <td style="text-align: center;">Dr. Sanjay Panjabi</td> <td style="text-align: center;">UGC</td> <td style="text-align: center;">2013-15</td> <td style="text-align: center;">75,000</td> </tr> </tbody> </table>	Name of the Staff	Agency	Year	Amount in Rs.	Dr. Nirmal Kumar	UGC	2013-2017	12,30,000	Dr. Nirmal Kumar Dr. Hiren B. Soni	GEC	2014-15	5,22,000	Dr. Nirmal Kumar	GUJCOST	2016-17	2,30,000	Dr. Dhruvi S. Patel	UGC, Pune	2013-15	1,40,000	Dr. Nirmal Kumar, J.I. & Dr. Hiren B. Soni	GUJCOST	2015-16	70,000	Dr. Jigar Patel	Pidilite Industries, Mumbai	2012-14	1,00,00	Dr. Merlin Thomas	UGC	2013-15	75000	Dr. Nirmal Patel	UGC	2013-15	85000	Dr. Nirmal Patel	NPTEL	2014-15	7,00,000	Dr. Jigar Patel	GUJCOST	2016-18	1,95,000	Dr. Sanjay Panjabi	UGC	2013-15	75,000	3
Name of the Staff	Agency	Year	Amount in Rs.																																															
Dr. Nirmal Kumar	UGC	2013-2017	12,30,000																																															
Dr. Nirmal Kumar Dr. Hiren B. Soni	GEC	2014-15	5,22,000																																															
Dr. Nirmal Kumar	GUJCOST	2016-17	2,30,000																																															
Dr. Dhruvi S. Patel	UGC, Pune	2013-15	1,40,000																																															
Dr. Nirmal Kumar, J.I. & Dr. Hiren B. Soni	GUJCOST	2015-16	70,000																																															
Dr. Jigar Patel	Pidilite Industries, Mumbai	2012-14	1,00,00																																															
Dr. Merlin Thomas	UGC	2013-15	75000																																															
Dr. Nirmal Patel	UGC	2013-15	85000																																															
Dr. Nirmal Patel	NPTEL	2014-15	7,00,000																																															
Dr. Jigar Patel	GUJCOST	2016-18	1,95,000																																															
Dr. Sanjay Panjabi	UGC	2013-15	75,000																																															
3.1.2 Q _n M	<p>Percentage of teachers recognised as research guides at present</p> <p style="background-color: yellow; text-align: center;">(Not Applicable to UG College)</p> <p>Data requirement:</p> <ul style="list-style-type: none"> • Number of teachers recognized as research guides: 09 • Total number of teachers: 22 <p>Formula: $=9*100/22 =40.90$</p>	3																																																

	Documents: Upload copies of the letter of recognition as research guides																																																	
3.1.3 QnM	<p>Average number of research projects per teacher funded by government and non-government agencies during the last five years</p> <p>(For UG College weightage of this metric will be 7)</p> <table border="1"> <thead> <tr> <th>Name of the Staff</th> <th>Agency</th> <th>Year</th> <th>Amount in Rs.</th> </tr> </thead> <tbody> <tr> <td>Dr. Nirmal Kumar</td> <td>UGC</td> <td>2013-2017</td> <td>12,30,000</td> </tr> <tr> <td>Dr. Nirmal Kumar Dr. Hiren B. Soni</td> <td>GEC</td> <td>2014-15</td> <td>5,22,000</td> </tr> <tr> <td>Dr. Nirmal Kumar</td> <td>GUJCOST</td> <td>2016-</td> <td>2,30,000</td> </tr> <tr> <td>Dr. Dhruvi S. Patel</td> <td>UGC, Pune</td> <td>2013-</td> <td>1,40,000</td> </tr> <tr> <td>Dr. Nirmal Kumar, J.I. & Dr. Hiren B. Soni</td> <td>GUJCOST</td> <td>2015-16</td> <td>70,000</td> </tr> <tr> <td>Dr. Jigar Patel</td> <td>Pidilite Industries,</td> <td>2012-14</td> <td>1,00,00</td> </tr> <tr> <td>Dr. Merlin Thomas</td> <td>UGC</td> <td>2013-</td> <td>75000</td> </tr> <tr> <td>Dr. Nirmal Patel</td> <td>UGC</td> <td>2013-</td> <td>85000</td> </tr> <tr> <td>Dr. Nirmal Patel</td> <td>NPTEL</td> <td>2014-</td> <td>7,00,000</td> </tr> <tr> <td>Dr. Jigar Patel</td> <td>GUJCOST</td> <td>2016-</td> <td>1,95,000</td> </tr> <tr> <td>Dr. Sanjay Panjabi</td> <td>UGC</td> <td>2013-</td> <td>75,000</td> </tr> </tbody> </table> <p>Documents: Upload e-Copies of the grant award letters for research projects sponsored by government and non-government agencies.</p>	Name of the Staff	Agency	Year	Amount in Rs.	Dr. Nirmal Kumar	UGC	2013-2017	12,30,000	Dr. Nirmal Kumar Dr. Hiren B. Soni	GEC	2014-15	5,22,000	Dr. Nirmal Kumar	GUJCOST	2016-	2,30,000	Dr. Dhruvi S. Patel	UGC, Pune	2013-	1,40,000	Dr. Nirmal Kumar, J.I. & Dr. Hiren B. Soni	GUJCOST	2015-16	70,000	Dr. Jigar Patel	Pidilite Industries,	2012-14	1,00,00	Dr. Merlin Thomas	UGC	2013-	75000	Dr. Nirmal Patel	UGC	2013-	85000	Dr. Nirmal Patel	NPTEL	2014-	7,00,000	Dr. Jigar Patel	GUJCOST	2016-	1,95,000	Dr. Sanjay Panjabi	UGC	2013-	75,000	4
Name of the Staff	Agency	Year	Amount in Rs.																																															
Dr. Nirmal Kumar	UGC	2013-2017	12,30,000																																															
Dr. Nirmal Kumar Dr. Hiren B. Soni	GEC	2014-15	5,22,000																																															
Dr. Nirmal Kumar	GUJCOST	2016-	2,30,000																																															
Dr. Dhruvi S. Patel	UGC, Pune	2013-	1,40,000																																															
Dr. Nirmal Kumar, J.I. & Dr. Hiren B. Soni	GUJCOST	2015-16	70,000																																															
Dr. Jigar Patel	Pidilite Industries,	2012-14	1,00,00																																															
Dr. Merlin Thomas	UGC	2013-	75000																																															
Dr. Nirmal Patel	UGC	2013-	85000																																															
Dr. Nirmal Patel	NPTEL	2014-	7,00,000																																															
Dr. Jigar Patel	GUJCOST	2016-	1,95,000																																															
Dr. Sanjay Panjabi	UGC	2013-	75,000																																															

Key Indicator - 3.2 Innovation Ecosystem (10)

Metric No.		Weightage
3.2.1 QIM	<p>Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of Knowledge</p> <p>Upload a description of the available incubation centre for innovation and evidence of its usage with their activity in not more than 500 words</p> <p>The ISTAR is having a separate research committee looking after the scrutiny of research proposals before submitting it to the funding agency. Research committee arranges for presentation / evaluation of proposal and if required, suggestions / guidance are given to PI. The research committee comprises of following</p>	5

members. This has improved research and consultancy activities. Analytical services are provided to more clients by SCT and a coating policy document is prepared for GNFC, Bharuch. Research collaboration is done with AIST-Japan, SVNIT – Surat and industry sponsored research work is taken up by IC department.

- **Support in terms of technology and information needs:** All departments are fully equipped with ICT facilities and institution support is provided for timely auditing and submission of utilization certificate to the funding authorities. Every teacher involved in research has to get his or her expenditure audited from a chartered accountant hired by the institution and submit the utilization certificate in time.
- **Any other:** Laboratory facilities, manpower, administrative and library support is made available for the smooth conduction of the research project. Investigators sincerely utilize the funds as per the budget allotment in the sanctioned proposal.

Research is a significant activity of the institute for both research scholars and faculty members.

- Faculty members are encouraged to participate and present their research papers in National and International Conferences for which they are provided duty leave.
- Faculties of other institutes are invited as visiting fellows to interact with the faculty members and students for appraising about emerging research areas and opportunities.
- The Institute is having collaboration with various institutes at regional, national and international level.
- The institute is having a recognition certificate of 12 (B) and 2 (f) Acts issued by UGC, New Delhi.
- Faculty members are encouraged to submit research projects for financial support to various national agencies.
- Almost all students of M.Sc. are given project work as a part of the university curriculum. The expert committee of S.P. University assesses the dissertation.
- Some of the research works also have been published in journals of national and international reputation.

<p>3.2.2 QnM</p>	<p>Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years</p> <p>Workshops / Seminars on Industry-Academia Innovative Practices: 40</p>	<p>5</p>
----------------------	--	----------

Key Indicators - 3.3 Research Publications and Awards (20)

Metric No.		Weightage
3.3.1	<p>The institution has a stated Code of Ethics to check malpractices and plagiarism in Research</p> <p>Q_n Yes M</p> <p>(Ph.D student plagiarism is checked by S.P.Universi</p> <p>Data Requirement : Upload Code of Ethics to check malpractices and plagiarism in Research to be made available on institutional website</p> <p>http://www.spuvvn.edu/downloads/Plagiarisim%20form%20(Annexure%20VIII,%20IX%20&%20X).pdf</p>	1
3.3.2	<p>The institution provides incentives to teachers who receive state, national and international recognition/awards</p> <p>Q_n No M</p> <p>Data Requirements:</p> <ul style="list-style-type: none"> • Name of the Award • Name of the Awardee with contact details • Name of the Awarding Agency • Year of Award • Incentive details <p>Documents: Upload letter of awards</p>	1
3.3.3	<p>Number of Ph.D.s awarded per teacher during the last five years</p> <p>Q_n (Not Applicable For UG Colleges) M</p> <p>17 students awarded PhD degree 09 teachers are recognized guides</p> <p>Formula: =17/9 =1.88</p> <p>Documents: Sources-Shodhganga and Institutional Website http://shodhganga.inflibnet.ac.in; www.istar.edu.in</p>	4

<p>3.3.4</p> <p>QnM</p>	<p>Number of research papers per teacher in the Journals notified on UGC website during the last five years</p> <p>(For UG Colleges weightage of this metric will be 10)</p> <p>No. of publications in UGC notified journals during the last five years: 173 Total number of teachers: 22</p> <p>Formula: =173/22 =7.86</p> $\frac{\text{Number of publications in UGC notified journals during the last five years}}{\text{Total number of teachers}}$	<p>8</p> <p>7.86</p>
<p>3.3.5</p> <p>QnM</p>	<p>Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years</p> <p>(For UG Colleges weightage of this metric will be 8)</p> <p>Data Requirement:</p> <p>Total number of books and chapters: 07 Total number of papers published in conference proceedings: 19 Total number of teachers: 22</p> <p>Formula: =26/22 =1.18</p> $\frac{\text{Total number of books and chapters in edited volumes, books published, and papers in national/international conference proceedings during last five years}}{\text{Total number of teachers}}$	<p>6</p>

Key Indicator - 3.5 Collaborations (20)

Metric No.		Weightage								
3.5.1	<p>Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years</p> <ul style="list-style-type: none"> • The institution has collaborations with the following research institutes: Gujarat Institute of Desert Ecology (GUIDE), Gujarat Ecology Commission (GEC), Nandesari Industrial Association (NIA), Green Circle Inc. - Group of Companies, Baroda for student short time research and project work. • College also tie-up with international university departments like University of Cincinnati, and Missouri University of Science and Technology, Rolla, Missouri, USA, and Department of Environmental Management, AIST, Tsukuba, Japan, for student research and Ph.D. program. • MoUs with Lupin Ltd., ZydusCadilla Ltd. For training and placement • MoU with VCCI for project work • MoU with SVNIT for student exchange <p>Documents : Upload letters of partnerships/ linkages</p>	10								
3.5.2	<p>Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)</p>									
Q _n M										
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Name of the Department</th> <th style="text-align: center;">Industry with whom MoU is signed</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">EST</td> <td>Nandesari Industrial Association (NIA), Green Circle Group of Companies (Green Circle Inc.), Baroda</td> </tr> <tr> <td style="text-align: center;">IC</td> <td>Lupin Ltd. ZydusCadilla Ltd., VedantChlorochemP.Ltd., SVNIT</td> </tr> <tr> <td style="text-align: center;">SCT</td> <td>ISSPA, Ahemedabad Region</td> </tr> </tbody> </table>	Name of the Department	Industry with whom MoU is signed	EST	Nandesari Industrial Association (NIA), Green Circle Group of Companies (Green Circle Inc.), Baroda	IC	Lupin Ltd. ZydusCadilla Ltd., VedantChlorochemP.Ltd., SVNIT	SCT	ISSPA, Ahemedabad Region	
Name of the Department	Industry with whom MoU is signed									
EST	Nandesari Industrial Association (NIA), Green Circle Group of Companies (Green Circle Inc.), Baroda									
IC	Lupin Ltd. ZydusCadilla Ltd., VedantChlorochemP.Ltd., SVNIT									
SCT	ISSPA, Ahemedabad Region									

PST	IPI Student Chapter
MIHS	Pramukhswami Medical College, Karamsad
Documents: Upload the copies of MoUs with institution/ industry/ corporate house	

Criterion IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities (30)

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc. (10)		
Number of classrooms with LCD facilities	Number of classrooms with wifi/LAN facilities	Number of seminar halls with ICT facilities
14	01	02

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years (10)		
Budget allocated for infrastructure augmentation	Budget utilised for infrastructure development	Year of allocation
52,30,601/-	22,13,786/-	2013-2014
12,19,873/-	12,47,389/-	2014-2015
4,40,647/-	5,12,491/-	2015-2016
6,75,960/-	7,21,035/-	2016-2017
10,289/-	19,289/-	2017-2018
Documents: Budget estimates Audited utilization statements		

Key Indicator - 4.2 Library as a Learning Resource (20)

4.2.3 Does the institution have the following: 1. e – journals 2. e-ShodhSindhu 3. Shodhganga membership DELNET, N-List, INFLIBNET, SOUL 4. e-books 5. Databases Options: A. Any 4 of the above B. Any 3 of the above C. Any 2 of the above D. Any 1 of the above E. None of the above						
Details of memberships	Details of subscriptions	Name of service subscribed to	No of e-resources with full text access	Validity period	Usage report from the service	Whether remote access provided ? (Yes /

					provider	No)
N-LIST	Inflibnet	N-List	6000+ e-journals 3135000 e-books	1 Year	-	Yes
DELNET	DelNet	Delnet		1 Year	-	Yes

Key Indicators - 3.4 Extension Activities (60)

Metric No.		Weightage
3.4.1	<p>Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years</p> <p>http://istar.edu.in/nss.htm</p> <p>Q₁M</p> <p>Upload a description in not more than 500 words mentioning the impact of the activities in sensitising students to social issues and holistic Development</p> <ul style="list-style-type: none"> • Various extension related activities organized by the NSS unit and various departments develops an insight related to social issues. NSS has organized Jan dhan account opening movement in nearby villages, health check up camps, drinking water check up camps, lectures on various topics addressing social awareness on various issues etc. Such things develop the sense of social responsibility in the students participating in such activities. Along with this NSS organizes Thalassamia check up camps, blood donation camps, annual camps at villages etc. every year, which sensitises various social qualities viz. Co-operation, harmony, helping nature, nationalism etc. In students. 	20
3.4.2	<p>Number of awards and recognition received for extension activities from Government / recognised bodies during the last five years</p> <p>Q_nM</p> <p>Nil</p> <p>Documents: Upload letter of award</p>	5

3.4.3

Number of extension and outreach programs conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Q_nM

National Service Scheme (NSS), was launched in Gandhiji's Birth Centenary Year on September 24, 1969 with primary focus on the development of personality of students through community service. Today, NSS has more than 3.2 million student volunteers on its roll spread over 298 Universities and 42 (+2) Senior Secondary Councils and Directorate of Vocational Education all over the country.

The main objectives of National Service Scheme (NSS) are: Understand the community in which they work, understand themselves in relation to their community, identify the needs and problems of the community and involve them in problem-solving, develop among themselves a sense of social and civic responsibility, utilize their knowledge in finding practical solutions to individual and community problems, develop competence required for group-living and sharing of responsibilities gain skills in mobilizing community participation, acquire leadership qualities and democratic attitudes, develop capacity to meet emergencies and natural disasters and practice national integration and social harmony.

NSS unit is registered in Sardar Patel University since September 2013

Student registration is carried out in the month of July of every academic year

103 students were registered as NSS volunteers for academic year 2015 – 2016.

NSS volunteers for academic year 2017 – 2018: Boy Volunteers – 51, Girl Volunteers - 10

NSS volunteers for academic year 2016 – 2017: Boy Volunteers – 64, Girl Volunteers - 10

NSS volunteers for academic year 2015 – 2016: Boy Volunteers – 95, Girl Volunteers - 08

One student representative is selected from the registered student.

Sr. No.	Activities	Collaboration with	Participant / Beneficiary	Place	Year
1.	3 DAYS YOGA TRAINING PROGRAM (Date: 19 to 21 June, 2018)	Art of Living Organization, Anand Chapter	55	ISTAR	2018 -19
2.	Awareness lecture on Gender and Nutrition (21st February, 2018)	--	85	ISTAR	2017 -18
3.	Blood donation camp	Indian Red Cross Society - Anand CVM-LIONESSE Club – Anand	98	ISTAR	2017 -18
4.	Awareness talk on Thalassamia	Indian Red Cross Society, Ahmedabad, CVM-LIONESSE Club – Anand	300	ISTAR	2017 -18
5.	Thalassamia check up camp	Indian Red Cross Society - Ahmedabad, CVM-LIONESSE Club – Anand	294	ISTAR	2017 -18
6.	"DIGITAL BANKING & CASHLESS TRANSACTION"	Speaker - Pujiya Diveshbhai Sangani, Deputy Director, Anupam Mission, Mogri	115	ISTAR	2016 -17
7.	Blood donation camp	Indian Red Cross Society , LIONS Club – Anand	47	ISTAR	2016 -17
8.	Awareness talk on Thalassamia	Shree Krishna Hospital, Karamsad	65	ISTAR	2015 -16
9.	Awareness talk on Aids and HIV	Shree Krishna Hospital, Karamsad	61	ISTAR	2015 -16
10.	Blood donation camp	A. D. Gorwala Blood-Bank, Karamsad	33	ISTAR	2015 -16
11.	Campus cleaning camp	--	70	ISTAR	2015 -16
12.	Poster Competition on "How to make the town Beautiful"	--	10	ISTAR	2015 -16
13.	Seven days special NSS camp at Gana Village	Lions Club, Anand / Red Ribbon Club, Ahmedabad / Indian Red Cross Society , Anand / Nature club, V. V. Nagar / Art of living, V. V. Nagar	50	Gana Village, Anand	2015

14.	Blood Donation Camp	Rotary club, Anand and Indian Red-cross Society, Anand	50	ISTAR	2014
15.	Thalassemia awareness lecture and check up camp	LIONS Club, Anand and Indian Red-cross Society, Ahmedabad	100	ISTAR	2014
16.	Tree Plantation	LIONS Club, Anand	50	ISTAR, SICART and Girnar Hostel	2014
17.	Sudama ni Joli	Rotary club, Anand round town	125	Anand	2014
18.	Poster making competition on AIDS awareness	Red ribbon society, Ahmadabad	10	ISTAR	2014
19.	Lecture on AIDS awareness	Red ribbon society, Ahmadabad	125	Amod	2014
20.	Poster competition	Red ribbon society, Ahmadabad	50	Amod	2014
21.	Tree plantation	NSS	25	Amod/ ISTAR	2014
22.	Dictionary distribution	NSS	125	Amod	2014
23.	Class room teaching by NSS volunteers	NSS	05	Amod	2014
24.	Campus cleaning	NSS	100	Amod/ ISTAR	2014
25.	Medical check up camp	Rotary club, Anand round town	100	Amod	2013
26.	Soil testing	NSS	05	Amod	2013
27.	Water resources testing	NSS	05	Amod	2013
28.	Thalassemia check up camp	Red cross society , Ahmadabad	215	ISTAR	2013
29.	Eye check up camp	Rotary club, Anand round town	25	Lambhvel	2013
30.	Spiritual lecture	BAPS	40	Lambhvel	2013
31.	Food distribution to old age people	NSS	25	Lambhvel	2013
32.	Blood donation camp	A.D. Gorawala blood bank, Karamsad	88	ISTAR	2012
33.	Thalassemia check up camp	Red cross society , Ahmadabad	181	ISTAR	2012
34.	Blood donation camp	Rotary club & Red cross society , Anand	70	ISTAR	2011
35.	Thalassemia check up camp	Red cross society , Ahmadabad, Jaycess, V. V. Nagar	250	ISTAR	2011

Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Q_nM	Formula:	
		$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$
		Percentage per year = $300 \times 100 / 651 = 46.08$
	Average percentage =	$\frac{\sum \text{Percentage per year}}{5}$ $= 230 / 5 = 46\%$

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (5)				
Expenditure on the purchase of books	Expenditure on the purchase of journals	Year of expenditure	Budget allocated	Expenditure on subscription to e- journals and other e-resources
56,544/-	94,890/-	2013-2014	400000/-	16,500/-
1,92,040/-	30,903/-	2014-2015	210763/-	16,500/-
57,037/-	97,728/-	2015-2016	108424/-	16,500/-
51229/-	24,713/-	2016-2017	62364/-	17,250/-
4369/-	16384/-	2017-2018	9996/-	19470/-
Documents: Audited statements of accounts				

4.2.5 Availability of remote access to e-resources of the library (1)		
E-resource	Contact person details	Whether remote access provided? (Yes / No)
N-List and DelNet	Mr.Jatin Patel	Yes

4.2.6 Percentage per day usage of library by teachers and students (4)				
Upload last page of accession register details	Method of computing per day usage of library	Number of users using library through e-access per day	No of teachers accessing library per day	No. of students accessing library per day
	No. of Walkins / No. of Working Days	4-5	3	23-27

Key Indicator - 4.3 IT Infrastructure (30)

4.3.2 Student - Computer ratio (10)	
Number of computers for students in working condition	Total Number of students
1:2.2	327 (2018 Juniors)

4.3.3 Available bandwidth of internet connection in the Institution (Leased line) (9)		
Options: A. ≥50 MBPS B. 35 MBPS - 50 MBPS C. 20 MBPS - 35 MBPS D. 5 MBPS - 20 MBPS E. <5 MBPS		
Number of computers with access to internet	Bandwidth of leased line connection	LAN configuration and speed
77	9 MBPS	Upto 9MBPS

4.3.4 Facilities for e-content development such as Media centre, Recording facility, Lecture Capturing System(LCS) (1)	
Name of the e-content development facilities	Provide link to videos of the media centre and recording facility
-Nil-	-Nil-

Key Indicator - 4.4 Maintenance of Campus Infrastructure (20)

4.4.1 Average expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years (10)				
Year	Assigned budget on academic support facilities (excluding salary for human resources)	Expenditure on academic support facilities (excluding salary for human resources)	Assigned budget on physical facilities (excluding salary for human resources)	Expenditure on physical facilities (excluding salary for human resources)
2013-2014	29,550/-	25,950/-	84,873/-	1,06,090/-
2014-2015	16,990/-	16,990/-	1,48,168/-	1,48,168/-
2015-2016	24,851/-	42,369/-	78,867/-	62,152/-
2016-2017	58,640/-	11,985/-	78,730/-	1,24,235/-
2017-2018	25,000/-	22,923/-	1,14,124/-	1,11,707/-
Documents: Audited statements of accounts				

Criterion 5 - Student Support and Progression (130)

Key Indicator - 5.1 Student Support (50)

Metric No.

Weightage

5.1.1 **Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years** 12

Data Requirement:

- Name of the scheme
 - Number of students benefiting
- The financial assistance for SC, ST and OBC students is given by the government of Gujarat. Academic year wise distribution of scholarship including the number of students and amount is given below in the table.

Sr. No.	Year	Number of students				Total amount (Rs)
		Social Minority	OBC/SEBC	SC	ST	
1.	2014-15	5	35	9	11	20,09,020
2.	2015-16	0	22	7	15	22,86,820
3.	2016-17	1	00	00	12	12,24,050
4.	2017-18	1	00	00	05	4,08,800

Formula:

Percentage per year =

$$\frac{\text{Number of students benefited by scholarships and freeships by government}}{\text{total number of students}}$$

2014-15	2015-16	2016-17	2017-18
(60/321)*100	(44/274)*100	(13/300)*100	(6/343)*100
18.69 %	16.05 %	4.33%	1.74%

$$\text{average percentage} = \frac{\sum \text{percentage per year}}{5}$$

$$\text{Average percentage} = 40.82/4=10.20$$

UPLOAD SANCTIONED LETTERS (DOCUMENT)

Sanction letters are not provided by the govt. Students received this as a direct transfer cash benefit in their respective bank accounts

5.1.2 Average percentage of students benefited by scholarships, freeships ,etc. provided by the institution besides government schemes during the last five years 12

Data Requirement:

- Name of the scheme with contact information
- Number of students benefiting

The CVM Management and the industrial houses help the institute in providing scholarship/free ship to students based on their economical condition and academic brilliance.

CVM Management Scholarships

Sr. No.	Year	No. and percentage of students who received scholarship	Total amount in Rs.
1	2014-15	05 (0.7%)	49,000
2	2015-16	12 (2.1%)	71,000
3	2016-17	05 (0.9%)	2,37,500
4	2017-18	06	36,000
		87	41,06,000

Scholarships by Industries/organizations

Sr. No.	Academic Year	Department	Umesh Pathak Scholarship/Asian Paints Scholarship/Lupin Scholarship/MISA Scholarship Amount in Rs.
1	2014-15	IC	Lupin-Rs. 30,000 (1 student) MISA-Rs. 20,000 (2 students each)
		SCT	Asian Paints Scholarship =49000*5 = Rs 2,45,000 Umesh Pathak Scholarship = Rs 1,54,164
2	2015-16	IC	Lupin-Rs. 30,000 (1 student)

			MISA-Rs. 20,000(2 students each)
		EST	5 SCI Tech projects, GUJCOST, Rs. 70,000/-
		SCT	Asian Paints Scholarship =49300*5 = Rs 2,46,500 Umesh Pathak Scholarship = Rs 63,807
3	2016-17	IC	Lupin-Rs. 30,000 (1 student) MISA-Rs. 20,000 (2 students each)
		SCT	Asian Paints Scholarship =49300*5 = Rs 2,46,500 Umesh Pathak Scholarship = Rs 64,830
5	2017-18	EST	Rs. 8,00,000/- to two Ph. D. students from AIST, Japan
		PST	Rs. 90,000/- Govt. Scholarship to 1 student
		IC	Rs. 70,000/- to 3 students
		IT	Rs. 1,05,620/- to 1 student
		M.C.A.	Rs. 1,06,000/- to 1 student
		SCT	Rs 2,59,000/- to 5 students

Formula:

Percentage per year=

$$\frac{\text{Number of students benefited by scholarships and freeships by government}}{\text{total number of students}} \times 100$$

2014-15	2015-16	2016-17	2017-18
(14/321)*100	(26/274)*100	(14/300)*100	(106/343)*100
4.36 %	9.48 %	4.66 %	30.90 %

$$\text{average percentage} = \frac{\sum \text{percentage per year}}{5}$$

$$\text{Average percentage} = 49.4/4=12.35$$

UPLOAD SANCTIONED LETTERS (DOCUMENT)

5.1.3 Number of capability enhancement and development schemes 10

1. Guidance for competitive examinations,
2. Career Counselling,
3. Soft skill development,
4. Remedial coaching,
5. Language lab,
6. Bridge courses
7. Yoga and Meditation
8. Personal Counselling
9. Motivational Talks

Options:

- A. 7 or more of the above
- B. Any 6 of the above
- C. **Any 5 of the above**
- D. Any 4 of the above
- E. Any 3 of the above

1. Guidance for competitive examinations

Every year more than 10,000 students apply for government job but somehow they could not make it because of lacking somewhere in preparation for the competition. Although there are ample of opportunities in private sectors but still most of them prefer for government jobs only because of its facility and permanent settlement until retirement. They want to establish their career in government sector as it is the hundred percent guarantee of lifetime security. Most of the candidates think of getting government job but they genuinely prepare for this. Cracking government competitive exam is not a cup of tea for everyone. For this students have to do really hard work. Today candidates get offer via open competitive examination based recruitment system. The reason behind failing in government competitive examination is unorganized strategy of study. Free coaching of NET EXAM is provided by EST Department to its various students every week (at least 1/period/week) in curriculum.

2. Career Counselling

At the time of admission during vacation, teachers counsel the students about courses available in the college and career prospectus about each course. Moreover, the college also has a unique policy of counselling. Group of students is allotted to one counsellor. The counsellor appointed

is from the same department of the student. The counsellor keeps track of the academic and general performance of the student. In case of need like attendance shortage and poor performance, parents are informed through letter or phone. Placement assistance is also provided by counsellor. For each course 1 period is allotted per week for the counsellors to counsel.

3. Soft-skill development

PDP (Personality Development Programme) is conducted in association with Globarena Technologies Ltd. Hyderabad. Total 24 hours sessions are organized every year and the topics covered are teamwork, corporate etiquette, aptitude, communication skills, attitude & skill mapping, letter writing, resume preparation and group discussion. Pre mock interview sessions and mock interview sessions are organized for the third semester students of all branches. Professionals, HR experts from industry and experts from institute are invited to provide guidance.

4. Personal Counselling

All the students are counselled by their respective counsellors about the above mentioned facilities. The counsellor also tries to solve academic and personal problems of the students. Parents are also informed about their wards' issues. They are also invited to attend Parent-Teachers meeting at least once in each semester.

4. Motivational Talks

Motivational talk is organized for students and faculty during the academic year. Invited best motivational speaker outside the college.
Opt one

5.1.4 Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years 10

Career counselling offered by All the department

5.1.5 Average percentage of students benefitted by Vocational Education and Training (VET) during the last five years 5

Data Requirement:

- Number enrolled
 - Number of successfully completed
-

No. of students enrolled during this year					
Dept.	2014-2015	2015-2016	2016-2017	2017-2018	Total
Industrial Chemistry	70	70	70	70	280
Polymer science & Technology	25	29	18	29	101
Surface Coating & Technology	37	26	38	70	171
Environment Science & Technology	43	32	47	42	164
Master of Valuation	27	22	30	30	109
Master of Valuation (PM)	04	11	14	11	40
Master in Hygiene & Safety	15	15	15	15	60
Instrumentation	07	04	09	11	31
Information Technology	43	15	07	00	65
Master in Computer Application	34+2	11+0	6+0	0+0	53
Geoinformatic	-	-	09	16	25
Mobile technology	-	-	01	0	01
Total	307	235	264	294	1100

Formula:

Percentage per year=

2014-15	2015-16	2016-17	2017-18
(307/321)*100	(235/274)*100	(264/300)*100	(294/343)*100
95.63 %	85.76 %	88 %	85.71 %

Average percentage = $355.1/4=88.77$ %

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases 10

Yes, the institution has a Grievance Cell.

Grievance Cell

Sr. No.	Name	Position
1.	Dr. Nirmal Kumar J.I.	Chairman
2.	Dr. Nirmal Patel	Co-ordinator
3.	Dr. Suchita Patel	Member
4.	Dr. Dhruvi S. Patel	Member
5.	General Secretary	Student Member

In addition to this, the counsellor during his/her discussion with their wards takes feedback from them and complaints if any, are forwarded to the respective Head of the Department.

Actions taken for reported grievances:

- Facility of Boys room and Girls room
- The irregularity of sweeper is regularized specially in respect of class rooms cleaning
- Water problems in washroom is solved
- Cleaning of water cooler and providing hot water in hostels during winter
- Increased internet speed

The institute has Women Cell headed by senior woman faculty member and comprising of three other women teaching and non-teaching members. In case there is an issue regarding sexual harassment the committee is prepared to solve it. Fortunately, till date, there has not been a single case of sexual harassment in the institute. Moreover, CCTV Cameras are installed in classrooms and at appropriate locations in entire campus. The detail of the committee is provided on the college web site.

WOMEN CELL

Sr. No.	Name of the staff	Position
1.	Dr. Suchita B. Patel	Co-ordinator
2.	Dr. Niky Jain	Member
3.	Dr. Dhruvi S. Patel	Member
4.	Mrs. Parul B. Thakkar	Member

The college does have an Anti-Ragging Committee as per the guidelines of UGC. The college is fortunate that till date, not a single case of ragging has happened / reported. The detail of the anti-ragging committee is made available on institute web site.

ANTI RAGGING COMMITTEE

No.	Name of Member	Mobile Number	Designation
1.	Mr. Baiju Gee Verghese	9574342770	Co-ordinator
2.	Dr. Amitkumar Thummar	9228218524	Member
3.	Dr. Niky Kavindra Jain	9033367762	Member
4.	Dr. Suchita B. Patel	9574349141	Member
5.	Dr. Karve Mandar Kapil	9427676930	Member
6.	P.I., Police Station, Vallabh Vidyanagar	02692-230100	Member

Documents:

Upload the minutes of the meetings of student redressal committee, prevention of sexual harassment committee and anti-ragging committee

Key Indicator - 5.2 Student Progression (45)

5.2.1 **Average percentage of placement of outgoing students during the last five years** 20

Data Requirement:

- Name of the employer with contact details
 - Number of students placed
-

- Institute is actively involved in campus placement of the students.
- The concerned departmental faculty conducts lectures on career options, resume building, interview skills. Besides, Personality Development of students on technical writing, aptitude, interview skills, group discussion, negotiation skills, and oral English skills etc. are done in association with Globarena.
- Institute ensures that most of the students are well prepared to face the interviews at the time of campus interviews.
- Placement is 100 % in chemical sciences, IHS and valuation. 70-80 % in other departments including off campus placement.

Academic Year	2017-18	2016-17	2015-16	2014-15
Dept.				
IC	50	57	63	60
SCT	38	22	36	60
OC	12	19	8	13
PST	19	29	25	25
EST	20	27	36	40
MIHS	13	15	15	14
MVL	33	28	18	17
GIS	7	NA	NA	NA
Total	190	197	196	225

Formula:

Percentage per year=

2014-15	2015-16	2016-17	2017-18
$(229/307)*100$	$(201/235)*100$	$(197/264)*100$	$(192/294)*100$
74.59 %	85.53 %	74.62 %	65.30 %

Average percentage = $300.04/4=75.01$ %

Document :Upload annual report of placement cell

5.2.2 Percentage of student progression to higher education (previous graduating batch) 20

Data Requirement:

Number of students proceeding from

- UG to PG:
 - PG to MPhil:
 - PG to PhD:
-

- MPhil to PhD:
- PhD to Post doctoral:

Formula:

Percentage per year=

2014-15	2015-16	2016-17	2017-18
$(4/307)*100$	$(6/235)*100$	$(10/264)*100$	$(8/294)*100$
1.30 %	2.55 %	3.78 %	2.72 %

Program	2017-18	2016-17	2015-16	2014-15
IC	01	0	03	01
SCT	0	0	1	0
OC	0	3	0	0
PST	0	0	00	0
EST	0	0	00	0
INST	0	0	00	0
IT	0	0	00	0
MCA	0	0	00	0
MIHS	0	0	00	0
VAL (PM)	1	4	0	1
VAL(RE)	6	3	5	2
Total	8	10	6	4

Average percentage = $10.35/4=2.58\%$

Document: Upload documents from Student/alumni database

- 5.2.3 **Average percentage of students qualifying in state/ national/ international level examinations during the last five years (eg: NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)** 5

NIL

Data Requirement: Data Not Found

Number of students selected to:

- NET
 - SLET
 - GATE
 - GMAT
-

- CAT
- GRE
- TOEFL
- Civil Services
- State government examinations

Formula:

Percentage per year =

Average percentage =

Key Indicator - 5.3 Student Participation and Activities (25)

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) during the last five years** 15
NIL

5.3.2 **Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution** 5

STUDENTS COUNCIL [2018-19]

President: Prof. Nirmal Kumar J.I. – 9825968242

Vice President: Er. Rupesh T. Shah – 9824161415

Sports Advisors:	Dr. Mandar Karve	9427676 930	General Secretary:	Abhish ek Raval	7043043 064
Cultural Advisors:	Dr. Dhruti Patel (coordinator)	9925910 970	Ladies Representative:	Yukti Sharma	8347191 971
	Dr. Niky Jain	9033367 762	Sports Secretary:	Shubham Panchal, Dhaval Parikh	
	Ms. Unnati Patel	9974673 787	Cultural Secretary:	Kirtan Bhatt, Yugen Dave, Ranison Jadav	
NSS Coordinator	Dr. Mayank Patel	9426598 586	NSS Coordinators	Kiran Bhamblani, Jayduttsinh Jadeja, Utsav Patel	

Sr. No.	Class	Name of Class Representative	Contact No.
1.	M.Sc. (I C) 1 st year	Harikrushna A. Bhatt	9725679484
2.	M.Sc. (I C) 2 nd year	Abhishek J. Raval	7043043064
3.	M.Sc. (SCT) 1 st year	Jayduttsinh J. Jadeja	9586205749
4.	M.Sc. (SCT) 2 nd year	Shubham Y. Panchal	9033980823
5.	M.Sc. (PST) 1 st year	Rudresh M. Trivedi	9428946800
6.	M.Sc. (PST) 2 nd year	Harshit Y. Prajapati	8511024271
7.	M.Sc. (OC) 1 st year	Jigar G. Lad	7567671646
8.	M.Sc. (OC) 2 nd year	Meet PremjibhaiChaudhari	9662949101
9.	M.Sc. (IT) 1 st year	Ranison K. Jadav	9714909101
10.	M.Sc. (EST) 1 st year	Riya Shah	7203987633
11.	M.Sc. (EST) 2 nd year	Yukti Sharma	8347191971
12.	M.Sc. (INSTRU) 1 st year	KeyurRana	7383726666
13.	M.Sc. (INSTRU) 2 nd year	Kirtan Bhatt	7874897878
14.	M.Sc. IHS 1 st Year	Yugen Dave	9408741585
15.	M.Sc. IHS 2 nd Year	Tapan Joshi	9714439722
16.	M.Sc. Valuation 1 st Year	Rushabh R. Shah	9624246479
17.	M.Sc. Valuation 2 nd Year	SahilVamja	9408848118
18.	M.Sc. (Geo Informatics) 1 st Year	KiranBhamblani	9586951240
19.	M.Sc. (Geo Informatics) 2 nd Year	Utsav Patel	9898254080

Upload a description in not more than 500 words on Student Council activity and students' role in academic & administrative bodies.

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year 5

Data Requirement for last five years:

The college conducts various sports events and competitions for college students and students are also encouraged to participate in inter college sports events. We have a sports advisor who manages these events and trains and guides students for the competitions.

Year	Sports		Cultural		Total no. Of events
	No. of events	No. of students participated	No. of events	No. of students participated	
2014-15	16	366	19	174	35
2015-16	21	528	13	424	34
2016-17	8	286	4	246	12
2017-18	7	348	11	404	18
TOTAL	52		47		99

TOTAL NUMBER OF EVENTS HELD IN FIVE YEARS/5 = 99/4=24.75

Key Indicator - 5.4 Alumni Engagement (10)

5.4.1 **The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non - financial means during the last five years**

- All departments of the institution are in constant touch with the alumni and the former faculty. Most of them are spread out and holding higher position in their organization. Very often, we invite them to college during seminar / workshops and functions for sharing their knowledge and experiences. We also get guidance and suggestions from our faculty and alumni for curriculum updates, enhancement in lab facilities, emerging research areas etc.
 - Our Alumni have excelled in various fields and they cherish their roots and bonding with us
 - In addition to the alumni association of the institute, some of the departments have their own well established associations. The Industrial Chemistry department has formed association named MISA. Get together is conducted once in a year. MISA gives scholarship to economically weak meritorious students.
 - The Master of Industrial Hygiene and safety department has established CIHA (Central Industrial Hygiene Association) in 2004. CIHA is publishing a quarterly journal **Indian Journal of Occupational Hygiene and Safety**. CIHA and ISTAR to gather are conducting International conference every year since last four
-

- years.
- The Master of valuation department is maintaining records of all passed out professionals working in the area of valuation of real estate & plant and machinery and organizes annual get together function.
 - All these networking and collaborating efforts have helped in better placement of students in esteemed organizations and institute-Industry linkages.
 - Alumni are invited to deliver special lectures and sharing their experiences
 - College started honouring 'Best Alumni award' who has helped respective department directly or indirectly and reached higher level in their field. This award is given to one person by every department on the occasion of Annual day function since last 4 years.
 - The college has an Alumni Association and it is managed by alumni committee.

ALUMNI

No.	Name of the staff	Position
1.	Dr. Niraj Patel	Co-ordinator
2.	Mr. Baiju Gee Verghese	Member
3.	Dr. Dhruvi S. Patel	Member
4.	Dr. Karve Mandar Kapil	Member

- In addition to the alumni association of the institute, some of the departments have their own well-established associations. The Industrial Chemistry students have their association named MISA (M.Sc. Industrial Chemistry students association) and members are post graduate industrial Chemistry students of the department passed out starting from 1992 batch. Get together is conducted once in a year. MISA gives scholarship to economically weak and meritorious students.
 - The Master of Industrial Hygiene and Safety department runs CIHA (Central Industrial Hygiene Association) since 2004. CIHA is publishing a quarterly journal "**Indian Journal of Occupational Hygiene and Safety**". Get together is conducted once in a year and International conference is organized by CIHA since last 4 years.
 - The Master of valuation department arranges annual get together of all passed out professionals of the department
-

working in the field of valuation of real estate & plant and machinery.

All these associations are helping in the placement of students in esteemed organizations.

5.4.2 Alumni contribution during the last five years

4

Options:

- A. ≥ 5 Lakhs
- B. 4 Lakhs - 5 Lakhs
- C. 3 Lakhs - 4 Lakhs
- D. 1 Lakh - 3 Lakhs
- E. <1 Lakh

Year	Alumni Funds (INR)
2014-15	3,65,940
2015-16	71,102
2016-17	3500
2017-18	4,54,500
TOTAL	8,95,042

Opt One:

Data Requirement:

- Name of the alumnus/ alumni association
ISTARAA (ISTAR Alumni Association)
- Quantum of contribution A. ≥ 5 Lakhs

Documents:

Upload:

- Annual audited statements of accounts
 - Alumni association audited statements
-

5.4.3 Number of Alumni Association /Chapters meetings held during the last five years

Data Requirement:

- Number of alumni association meetings: ONCE a year

Dates of meetings:

Sr. No.	Dates of meetings	Number of alumni association meetings
1	05/03/2015	1
2	04/03/2016	1
3	01/03/2017	1
4	26/02/2018	1

Criterion 6 – Governance, Leadership and Management (100)

Key Indicator - 6.1 Institutional Vision and Leadership (10)

Metric No.		Weight-age
6.1.1	<p>The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution</p> <p>Q1M</p> <p><u>Vision:</u></p> <p>To add significantly to our enduring civilizational tradition of pioneering excellence in learning, knowledge, enlightenment and self-realization, in a universally relevant context.</p> <p><u>Mission:</u></p> <p>We dedicate ourselves to the perpetuation our founders’ vision of providing the infrastructure ,facilities, operating conditions and overall environment conducive for the education of young scholars, along with the desired physical, mental and character building inputs; we firmly renew our commitment in providing value added globally relevant education with an emphasis on the techno management domain to ensure that our scholars fruit fully explore their knowledge skills and values in the global economy.</p> <p>Our college follows the above-mentioned vision and mission in letter and spirit. Ours is a secular institution whose focus is on imparting quality education in the field of pure & applied sciences and in inter-disciplinary domains and creating opportunity for young students to expand their knowledge and skills. Moreover, the faculty is always keen to upgrade themselves and always strive to improve the curriculum to make it relevant to the changing times. The college also provides opportunities for the overall development of the students by allowing the students to participate in various sports events, academic meets and cultural events. We do believe that overall development of students is essential besides academics and therefore institute has initiated a personality development program. To impart leadership skills , students are inducted in central committee and given responsibilities to manage and organize various events in the collage. This involvement nurtures future leaders and managers besides building the character.</p>	<p>5</p> <p>5</p>

6.1.2

The institution practices decentralization and participative management

5
5

Top Management:

CVM is headed by the Chairman and supported by secretaries and joint secretaries to monitor functioning of various colleges. Each secretary is assigned a group of colleges. The CVM holds meetings with Principal and sometimes with the staff members to appraise about the policy matters and implementation plans. The progress of the institute is monitored by CVM management.

CVM has constituted a Governing Board for ISTAR. The policy matters and required action plans are discussed in the governing board meeting and overall performance of institute is monitored. CVM takes necessary action for improvement of infrastructure, faculty development, teaching learning process and research. CVM appreciates the achievements of faculty and students of the institute. The head of the institute and faculty members are allowed to participate in national /international conferences and workshops for knowledge up-gradation.

Principal:

Principal holds regular meeting with the Heads of the Departments of the institute to discuss and plan strategies about various programmes conducted by the institute. Collective planning is done for implementing policies. Initiatives are taken by the principal for development of liaison with academic & research institutes, scientists, industry and professionals. Principal provides information and guidance regarding education scenario and starting of new courses and up-gradation of syllabus. The results of internal and university exams, attendance of students in classes, placement records of the departments, project assignment of students, progress of PDP sessions, requirements of individual departments and outcome of IQAC initiatives are closely monitored by the principal. He is also assisted and supported by the HODs, other faculty and student representatives in effective planning and implementation of activities and policies. He participates in various meetings and discussions forums with management, university, teaching, nonteaching staff and student representatives, relating to curricular, co-curricular and extra-curricular activities.

Department Faculty:

The Head of departments are the intermediates between the departmental staff and the Head of the institute. Departmental meetings are conducted every month and the Head of the department provides the feedback on

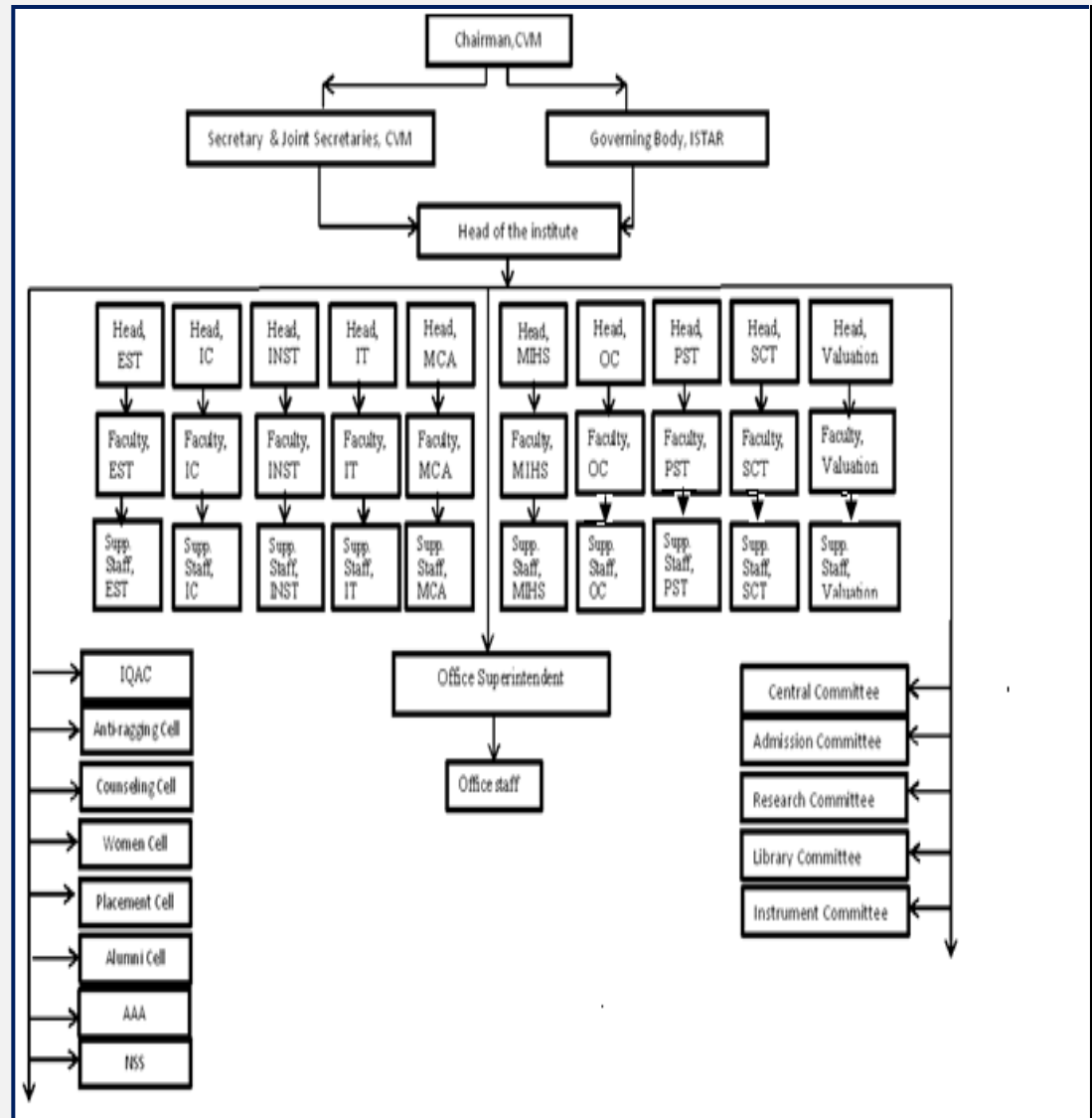
Q/M

	<p>departmental meeting to the principal. Faculty members of various committee implements policy and plans defined by the management for improving the functioning of the institute. Mentoring students, adopt ICT enabled, interactive and student centric teaching and learning strategies, inculcate research culture among the students, evaluate the performance of students, provide practical exposure, serve as conveners and members of various committees.</p>	
--	--	--

Key Indicator - 6.2 Strategy Development and Deployment (10)

Metric No.		Weightage
6.2.1	<p>Perspective/Strategic plan and deployment documents are available in the Institution</p>	2
QM	<p>Upload one example of activity successfully implemented based on the strategic plan in not more than 500 words</p> <p>From the strategic point of view and in line with vision of management the institute was successful in implementation of the M Sc Geo-informatics from the year 2016. It is unique course offered in Gujarat.</p> <p>The programme is offered as full time and the eligibility criteria is B.Sc., BCA, M. Sc., BE, PGDCA, PGDCAA, BBA (ITM/ISM), BVOC (SD).</p> <p>Geo-informatics has been described as "the science and technology dealing with the structure and character of spatial information, its capture, its classification and qualification, its storage, processing, portrayal and dissemination, including the infrastructure necessary to secure optimal use of this information" or</p> <p>"The art, science, or technology dealing with the acquisition, storage, processing production, presentation, and dissemination of geo-information".</p> <p>In line with the same, the courses offered are Principles in Remote sensing, Principles, and application of GPS, Principles in GIS.</p> <p>In line with the view of our Prime Minister regarding making India Digital, following Elective subjects are in the programme namely Geo-informatics Application in Governance ,Geo-informatics application in Utility management.</p>	1

	<p>The course is successfully run with the students showing interest since it started.</p> <p>Document:</p> <p>Upload Strategic Plan and deployment documents</p>	
<p>6.2.2</p> <p>QIM</p>	<p>Organizational structure of the Institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal Mechanism</p> <p>Upload the organogram of the Institution</p>	<p>2</p>



6.2.3 Implementation of e-governance in areas of operation

4

Q_nM

1. Planning and Development
2. Administration
3. Finance and Accounts
4. Student Admission and Support
5. Examination

Options:

A. All 5 of the above

B. Any 4 of the above (Selected)

C. Any 3 of the above

D. Any 2 of the above

4

E. Any 1 of the above

1) Planning and Development

- Our management trust CVM always ready to support infrastructure facilities as and when needed.
- The institute is well equipped with research facilities and it is upgraded with funds provided from management and various funding agencies.
- The faculty members involved research work are provided conducive environment to carry out their work. Teachers are permitted to attend work shop, conferences at state level, national level and abroad.
- All classrooms are equipped with multimedia projectors and ICT facility.
- ICT is absolutely used in teaching – learning process.
- Laptops are given to each department for effective teaching
- Entire Campus is Wi-Fi network and it is accessed by faculty members and students with the help of NOC department.

2)Administration

Administrative work has been initiated from the teaching staff by email among the staff and to the students.

3) Finance and Accounts

The finance and accounts are done on the Tally Software. Board of Management reports are all generated using various account software's and circulated by Email.

4)Student Admission and Support

S.P. University and Gujarat Technological University are the main universities to which the college is connected. The Exams are conducted every year after the due process for Examination i.e the forms been filled up, Hall Ticket is issued through which entry to Examination hall is given. The University decides the examination Centre and Dates. The Convenors and Examiners and are selected from a list by university and orders are issued.

The admission of the students is done through online on Merit basis from the University. Every year the university makes advertisement through print media regarding the admission process. Those students approaching the college are also guided regarding the programmes and in case helped

by the college in filling up the forms.

Data Requirement:

- Areas of e-governance
 - Planning and Development
 - Administration
 - Finance and Accounts
 - Student Admission and Support
 - Examination
- Name of the Vendor with contact details
- Year of implementation

Documents Upload:

- ERP documents
- Screen shots of user interfaces
- Annual e-governance report approved by Governing Council/ Board of Management/ Academic Council

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

2
2

Q1M Upload an example of one activity successfully implemented based on the Minutes of the meeting of various Bodies/ Cells and Committees in not more than 500 words.

In ISTAR there are 19 bodies and implementing various programmes according to the requirements of each individual bodies.

NSS is one such body, which implements various programme for the social and just causes.

- Every year students taking admission to the first semester are encouraged to join NSS. This helps in promoting good values, discipline, and citizenship roles among the students.
- Students enrolled are encouraged to participate in various activities conducted under the auspices of NSS. The students are groomed through personality development program and given responsibilities to demonstrate their life skills.
- The NSS cell organizes various extra-curricular activities such as blood donation camps, health camps, sanitation camps etc. NSS unit organizes thalassemia-checking camp, blood donation camps, eye check up camp in nearby villages.

Details of NSS	Expenditure in Rs. (last 3 years)
<ul style="list-style-type: none"> • Thalassemia checking • AIDS awareness lecture • Free eye check up in Lambhvel village • Spiritual lecture in old age home • Food distribution in old age home • Blood donation camp • Training on fire extinguisher • Medical camp in Amod village • Water analysis of Amod village • Constitution and Democracy • Awareness lecture on Gender and Nutrition 	76,500/-
<p>The above-mentioned outreach programmes generates fresh perspectives in students mind about life and facilities that they take for granted. Students also learn about handling responsibility and the importance of teamwork, and other social skills needed to work in rural settings.</p> <ul style="list-style-type: none"> • Overall impact: Leadership skills, social awareness and problem solving have been promoted. Adjustment in new culture and atmosphere is inculcated among students. 	

Key Indicator - 6.3 Faculty Empowerment Strategies (30)

Metric No.		Weightage						
6.3.1	<p>The institution has effective welfare measures for teaching and non-teaching Staff</p> <p>QM Upload list of the existing welfare measures for teaching and non-teaching staff</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; text-align: center;">Teaching</td> <td>CVM management has introduced group insurance scheme for all employee. Teaching staff is insured for 1.5 lakhs each and non-teaching staff is insured for 1 lakh in addition to the group insurance cover of Government of Gujarat. All HoDs are provided with laptop. Wi-Fi connectivity is provided to all staff members.</td> </tr> <tr> <td style="text-align: center;">Non teaching</td> <td>The class III & IV employees get the facility of advance for buying grain/oil/ and festival. Most of the employees avail this facility. Free computer training and literacy and dress code are given to non-teaching staff members</td> </tr> <tr> <td style="text-align: center;">Students</td> <td>CVM Management gives students scholarship for Meritorious students. To encourage VP & NVPAS students to take admission in ISTAR programs, the management has decided to waive the 4th Semester fees.</td> </tr> </table>	Teaching	CVM management has introduced group insurance scheme for all employee. Teaching staff is insured for 1.5 lakhs each and non-teaching staff is insured for 1 lakh in addition to the group insurance cover of Government of Gujarat. All HoDs are provided with laptop. Wi-Fi connectivity is provided to all staff members.	Non teaching	The class III & IV employees get the facility of advance for buying grain/oil/ and festival. Most of the employees avail this facility. Free computer training and literacy and dress code are given to non-teaching staff members	Students	CVM Management gives students scholarship for Meritorious students. To encourage VP & NVPAS students to take admission in ISTAR programs, the management has decided to waive the 4 th Semester fees.	9
Teaching	CVM management has introduced group insurance scheme for all employee. Teaching staff is insured for 1.5 lakhs each and non-teaching staff is insured for 1 lakh in addition to the group insurance cover of Government of Gujarat. All HoDs are provided with laptop. Wi-Fi connectivity is provided to all staff members.							
Non teaching	The class III & IV employees get the facility of advance for buying grain/oil/ and festival. Most of the employees avail this facility. Free computer training and literacy and dress code are given to non-teaching staff members							
Students	CVM Management gives students scholarship for Meritorious students. To encourage VP & NVPAS students to take admission in ISTAR programs, the management has decided to waive the 4 th Semester fees.							
6.3.2	<p>Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years</p> <p>Q_nM</p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Name of teacher : Dr Himanshu Kapse • Name of conference/ workshop attended for which financial support provided <ul style="list-style-type: none"> 1) National Symposium on Geomatics for Digital India and Annual Convention of ISG and ISRS at J K Lakshmiapat University, Jaipur • Name of the professional body for which membership fee is provided <p>Formula:</p> <p>Percentage per year = $1/22 * 100 = 4.54$</p> <p>Average percentage =</p>	6						
6.3.3	<p>Average number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff</p>	5						

Q_nM	during the last five years	
	Data Requirement: <ul style="list-style-type: none"> Title of the professional development program organised for teaching Staff 	

$$\frac{\text{Number of teachers provided with financial support to attend conferences, workshops and towards membership fee of professional bodies}}{\text{Total number of teachers}} \times 100$$

Percentage per year

3

69

- Title of the administrative training program organised for non-teaching staff
- Dates (from -to)
- 2017-18 01 No

Formula: $\frac{\text{Number of professional development or administrative training programs organized for teaching and non teaching staff during the last five years}}{5}$

$$\frac{1}{5}$$

1/5= 0.2

Document:

Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)

6.3.4 Average percentage of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs during the last five years

5

Q_nM

Data Requirement:

- Number of teachers
- Title of the program

Duration (from – to) Most of the faculty members in the college are permanent and all of them have attended refresher courses and orientation courses. Teachers do attend staff development programmes like seminars, conferences, workshops conducted by various institutions.

b. Nomination to staff development programmes:

- The summary of faculties' participation in various staff development programmes is provided below

Academic Staff Development Programmes	Number of faculty Nominated
Refresher courses	2017-18 01Nos
HRD programmes	2017-18- 01Nos
Orientation programmes	2017-18-04 Nos
Staff training conducted by the university	2014- 15- 02 No. 2016-17- 02 No. 2017 -18 05 Nos of faculties attend GTEP International faculty development Courses 21/03/2018
Staff training conducted by other institutions	2015-16 – 2 Nos Faculty attended NNRMS program conducted by IIRS-ISRO at Dehradun 2016-17 - 8Nos (4 Geo 4 Inst) 2017-18 - 5 Nos in which 3 Faculty attended STTP conducted by BVM
Summer/winter schools, workshops seminars etc.	2014-15 24 Nos 2015-16 09 Nos 2016-17 15 Nos 2017-18 16 Nos
Others	2014-15 01 No. 2015-16 01 No. 2016-17 01 No. 2017-18- 05 Nos

Academic Staff Development Programmes	Number of faculty Nominated	
Faculty Exchange	2015-16	01No.

a: • Formul

$$\frac{\text{Number of teaching staff attending such programmes}}{\text{Total number of teaching staff}} \times 100$$

Percentage per year = $103/25 \times 4.12$

Average percentage = $\frac{\% \text{ Percentage per year}}{n}$

Document:

- Reports of the Human Resource Development Centre (UGC ASC or other relevant centre)
- Annual reports of the IQAC and the Institution

6.3.5 Institution has Performance Appraisal System for teaching and non-Teaching staff

5

5

Q₁M

Upload a description of the functioning status of the Performance Appraisal System for teaching and non-teaching staff in not more than 300 words

- The institution does evaluate teachers through Students Feedback Mechanism. If any teacher's work is found unsatisfactory, the Head of the institute personally talks to him/her and proper guidance is provided for performance improvement.
- College collects self-appraisal report and Director Report of every staff regarding academic and research and data is provided to management for evaluation.
- Apart from that a Comprehensive Performance Evaluation Framework is been made by the Top Management for the Self Evaluation is made by the Teaching Staff.

- There are approximately 14 and 23 questions in the Self Assessment
- The feedback forms are analyzed by the IQAC and suggestions are received from the heads of departments. Based on such inputs, action plans are prepared and implemented for improvement of teaching process. IQAC has one external peer group member.
- The non teaching staff is also evaluated by checklist format which is implemented by the Management “My Campus Clean Campus”. If work is found unsatisfactory, the it is highlighted to OS and subsequently advised for correction.
- A core team is inspects weekly or random basis for the level of effectiveness which is brought by non-teaching staff.
- Apart from that a Comprehensive Performance Evaluation Framework is been made by the Top Management for the Self Evaluation is made by the Teaching Staff.
- There are approximately 14 and 23 questions in the Self Assessment

Apart from that, there is also Auditing system for the Accounts from the Top Management and External also.

Key Indicator – 6.4 Financial Management and Resource Mobilization (20)

Metric No.		Weightage
	Institution conducts internal and external financial audits regularly	
6.4.1		4
Q _i M	Upload an enumeration on the various internal and external financial audits carried out during last five years with the mechanism for settling audit objections	4
	<u>Yes</u>	
6.4.2	Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)	8
Q _n M	<u>Will be Included Later</u> Data Requirement: <ul style="list-style-type: none"> • Name of the non government funding agencies/ individuals 	

- Funds/ Grants received

Document:

Annual statements of accounts

8

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

QIM Upload the resource mobilisation policy and procedures of the

Key Indicator - 6.5 Internal Quality Assurance System (30)

Metric No.		Weightage
6.5.1 QIM	<p>Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes</p> <p>Upload two examples of best practices institutionalized as a result of IQAC initiatives</p> <p>The IQAC was established in the year 2012. The college is committed to pursue excellence in all the fields. The coordinator is invited to attend the Heads' Meeting for suggestions regarding the institutional development and functioning. Under the IQAC, all the quality assurance processes such as curriculum implementation, research, teaching-learning, infrastructure, student support and progression etc. are discussed and required suggestions are made.</p> <ol style="list-style-type: none"> 1. IQAC feedback helps institute in planning courses to cover topics beyond curriculum. Accordingly all the departments are organizing Expert lectures in each semester to make the students updated in respective fields of knowledge 2. IQAC implemented indigenous online student feedback system and online student attendance system 	8

<p>6.5.2</p> <p>Q₁M</p>	<p>The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms</p> <p>Upload two examples of institutional reviews and implementation of teaching learning reforms facilitated by the IQAC</p> <ul style="list-style-type: none"> • Feed Back Mechanism constituted by IQAC: Students feedback at the end of semester, parent’s feedback once a year, management feedback once a year and alumni feedback once a year helps to review all the activities of the institute from the point of view of all the stakeholders. • Industry-Institute Interface: IQAC suggested establishment of one such cell in the institute as institute conducts all courses of applied nature. Under such cell all departments are in regular interactions with the industry personals and organizes various activities like syllabus updation, expert talks, seminars, workshops, training & placements, scholarships, project works etc. which updates the students regarding the knowledge, skills, and expectations required for the professional career. Many departments have signed MoUs with many industries in this regards and all are functional in nature. This activity helps in the professional skill development and placements of the students. ISTAR has a very good reorganization as an institute of higher education in almost all the major industries in the state of Gujarat due to such practice. 	<p>8</p>												
<p>6.5.3</p> <p>Q_nM</p>	<p>Average number of quality initiatives by IQAC for promoting quality culture per year</p> <p>Data Requirement for last five years:</p> <ul style="list-style-type: none"> • Name of quality initiative by IQAC • Duration (from – to) • Number of participants <table border="1" data-bbox="326 1507 1360 1881"> <thead> <tr> <th>Sr. No.</th> <th>Name of Staff</th> <th>Details of Staff Training</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dr P M UDANI Dr. Merlin Thomas</td> <td>KCG workshop on Quality Improvement and Best Practices (2016)</td> </tr> <tr> <td>2</td> <td>Dr. P.M. Udani</td> <td>KCG Workshop on NIRF (2017) RUSA workshop on Quality Improvement and Best Practices (2016) AAA assessor workshop (2015)</td> </tr> <tr> <td>3</td> <td>Participation</td> <td>One-day workshop on new framework for</td> </tr> </tbody> </table>	Sr. No.	Name of Staff	Details of Staff Training	1	Dr P M UDANI Dr. Merlin Thomas	KCG workshop on Quality Improvement and Best Practices (2016)	2	Dr. P.M. Udani	KCG Workshop on NIRF (2017) RUSA workshop on Quality Improvement and Best Practices (2016) AAA assessor workshop (2015)	3	Participation	One-day workshop on new framework for	<p>3</p> <p>3</p>
Sr. No.	Name of Staff	Details of Staff Training												
1	Dr P M UDANI Dr. Merlin Thomas	KCG workshop on Quality Improvement and Best Practices (2016)												
2	Dr. P.M. Udani	KCG Workshop on NIRF (2017) RUSA workshop on Quality Improvement and Best Practices (2016) AAA assessor workshop (2015)												
3	Participation	One-day workshop on new framework for												

	By around 30 Faculties	the NAAC Reassessment. Participation By 25 Faculties 2017 (By Dr. Jigar Patel) IQAC Coordinator	
	4	Participation By around 25 Faculties	A three day Work shop on Becoming Effective Classroom Practitioners 11/10/2017 to13/10/2017
6.5.4	Quality assurance initiatives of the institution include:		6
QnM	<p>1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements Action</p> <p>3. Participation in NIRF</p> <p>4. ISO Certification</p> <p>5. NBA or any other quality audit</p> <p>Options:</p> <p>A. Any 4 of the above</p> <p>B. Any 3 of the above</p> <p>C. Any 2 of the above</p> <p>D. Any 1 of the above</p> <p>E. None of the above</p> <p>Any 3 of the above</p>		6

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements.

- Two Meetings are conducted regularly in each semester(one at the start of semester and second at the end of semester) and minutes are circulated to each member
- AQAR is prepared by the IQAC every year and submitted to NAAC on time. It is displayed on the institute website
- IQAC is regularly collecting various types of feedback periodically:

1. Online feedback from students twice a year
2. Feedback from parents once a year

	<p>3. Feedback from Alumni once a year 4. Feedback from management once a year</p> <p>2. AAA audit: We have a prescribe format for Academic and Administrative audit and accordingly it is carried out for our institute every year. Academic and Administrative audit is carried out by internal (CVM) as well as external auditors (KCG) and report is filed.</p> <p>3. Participation in NIRF Our college participates in the NIRF and AISHE during which the IQAC initiates the necessary requirements and the uploading of the same is done in the designated site.</p> <p>Document</p> <ul style="list-style-type: none"> • Annual reports of Institution • AQARs of IQAC • Upload accreditations and certifications 	
<p>6.5.5</p> <p>Q.M</p>	<p>Incremental improvements made during the preceding five years (in case of first cycle)</p> <p>Post accreditation quality initiatives (second and subsequent cycles) Management Information Systems being used are:</p> <ol style="list-style-type: none"> 1) Biometric System 2) Online Attendance 2017-18 (Attendance System including student details, facility for uploading online notices, study materials) 3) Online Feedback System <p>Upload description of quality enhancement initiatives in the academic and administrative domains successfully implemented during the last five years</p>	<p>5</p> <p>5</p>

Criterion VII – Institutional Values and Best Practices (100)

Key Indicator - Institutional Values and Social Responsibilities (50)

	ISTAR has NSS unit, which organizes different events for Social Responsibilities.
1	Tree plantation in ISTAR campus on 8-8-2014
2	Blood donation camp on 8-9-2014
3	Account opening under “Pradhanmantri Jan Dhan Yojna” and Toilet facility survey – September 2014
4	Camp based on theme 4S: “Swachh Bharat, Susikshit Bharat, Swasth Bharat & Surakshit Bharat” at Gana Village during 17-1-2015 to 23-1-2015
5	Awareness talk on Aids and HIV
6	Blood donation camp with support from AD Gorewala Blood bank – 15-10-2015
7	Campus cleaning camp – 16-9-2015
8	Blood donation camp with support from Indian Red Cross Society and Lions Club of Anand – 20-9-2016
9	An interactive awareness session on “ Digital Banking and Cashless Transaction – 10-2-2017
10	Blood donation camp with support from Indian Red Cross Society – 7-9-2016
11	An interactive awareness session on “ Indian Constitution and Democracy – 16-2-2018

7.1.1 Gender Equity (10)

1. Number of gender equity promotion programs organized by the institution during the last five years

	Title of the program	Date and Duration (from-to)	Number of participants by Gender	
			Male	Female
1	Woman Empowerment lecture series	2015		
2	Time and Task Management	22-10-15 – 28-10-15		
3	Entrepreneurship training program on Environment, Safety and Valuation	16-17 and 23-24 -12-2016		

7.1.2 Environmental Consciousness and Sustainability (10) (See Attachment of Green Audit report)

Alternate Energy initiatives such as:

1. Percentage of power requirement of the HEI met by the renewable energy sources (1)

Power requirement met by	Total power requirement	Renewable energy source	Renewable energy generated	Energy supplied to the grid

renewable energy sources			and used	
NIL	---	----	-----	----
2. Percentage of lighting power requirements met through LED bulbs				
Total Lighting requirements	Percentage Lighting through LED bulbs	Percentage Lighting through other sources		
----	----	-----		

6. Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years (2)

Budget allocated for green	Expenditure on green initiatives and waste management excluding salary component	Annual expenditure excluding salary component of the institution
Year	Initiatives	
2016	Eco-bags (3000 Nos.) were distributed	

7.1.3 Differently abled (Divyangjan) friendliness	(10)
Resources available in the institution	

1	Physical facilities						Yes
2	Provision for lift						Yes
3	Ramp / Rails						Yes
4	Braille Software/facilities						No
5	Rest Rooms designated						Yes
6	Scribes for examination						No
7	Special skill development for differently able students						No
8	Any other similar facility (Specify)						---
	Options:						
	A. 7 and more of the above						
	B. At least 6 of the above						
	C. At least 4 of the above						√
	D. At least 2 of the above						
	None of the above						
Physical facilities	Provision for lift	Ramp/ Rails	Braille Software/facilities	Rest Rooms	Scribes for examination	Special skill development for differently abled students	Any other similar facility
(Yes/	lift	(Yes/	(Yes/ No)	(Yes/	(Yes/ No)	(Yes/ No)	

No)	(Yes/ No)	No)		No)			
Yes	Yes	Yes	No	Yes	No	No	No

Documents:

Photos and videos

7.1.4 Inclusion and Situatedness (10)

• Number of specific initiatives to address locational advantages and disadvantages during the last five years. (5)						
• Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere) (5)						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

7.1.5 Human Values and Professional Ethics (10)

1	Winter School on Geospatial Technologies – 23-11-2015 to 13-12-2015
2	Becoming effective classroom practitioners – 11-10-2017 to 13-10-2017
3	Stress Management 7-11-17
4	International Yoga Day celebration training program 19-6-2018 to 21-6-2018

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal / Officials and support staff (1)

Upload URL stating code of conduct - Yes

- Display of core values in the institution and on its website (1) – Yes

Upload URL

The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations.

(1)					
Year	Sl. No.	Title of the program/Activity	Duration (from-to)	Number of participants	Provide/upload supporting documents

- The institution offers a course on Human Values and professional ethics (1) - NO

Upload supporting documents

The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions (1)

- YES – recognized by UGC under section 12(f) /2(B) and affiliated to Sardar Patel University, Vallabh Vidyanagar

Upload supporting documents

- Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years Provide year-wise list of activities and upload videos/photographs (2)

Year	Title of the program/Activity	Duration (from-to)	Number of participants
--	---	---	---

Format for Presentation of Best Practices

- Title of the Practice
- 1. **Industry - Institute Interaction**
- Objectives of the Practice

What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice (in about 100 words)?

- To prepare scientific and technological aptitude of students for jobs in National and multinational companies, by exposing them to newer technologies and methodologies.
- To recognize and boost the core abilities, capabilities and competencies of the students.

- To train the students to meet the expectations of the industry standards through our curriculum and Career Development Programmes.

- **The Context**

What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?

With the advent of globalization, industrialization, and opening up of an Indian economy to outside world, competition among industries has become accelerated. To solve their scientific and technological problems they look up for Science & Technology trained students from academic Institutes. Similarly, there is an urgent need to prepare science students for jobs in national and multinational companies, by exposing them to newer technologies and methodologies.

These objectives can only be achieved well by bridging the gap between industry and the academic institutions. Better interaction between science and technology institutions and industry is the need of the hour. This will have great bearing on the science curriculum, exposure of students to industrial atmosphere and subsequent placement of young post graduating students in industries across the country.

The Institute is imparting the basic knowledge and skill, but the Industry-Institute Interaction will enable staff and students to become acquainted with actual industry environment and requirement. This will accomplish the gaps between academia and industry.

The Industry-Institute Interaction should be designed to run longer period for preparing the manpower of world class in the field of science and technology by inculcating the various skills required by the industry, thereby contributing to the economic and social development at large.

With several layers of collaboration being built by the government to develop the Make in India program, the manpower needs have to be fulfilled in order to witness the required development. This will also provide a platform to the students to get employed or start his / her career.

- **The Practice**

Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?

The Institute encourages in all possible ways with the spirit of deriving mutual benefit of students and Industries. The major modes of interaction are listed below:

- Professional consultancy by the faculty to industries.
- Industrial testing by faculty in Institute laboratory.

- Joint research programmes and field studies by faculty and people from industries.
- Visits of faculty and students to industry for study and discussions or delivering lectures on subjects of mutual interest.
- Visits of industry executives and practising engineers to the Institute to observe research work and laboratories, discussions and delivering expert lectures on industrial practices, trends, and experiences.
- Memoranda of Understanding between the Institute and industries to bring the two sides strategically closer.
- Workshops, conferences, and symposia with joint participation of the faculty and the industries.
- Participation of experts from industry in formulating curriculum development.
- Scholarships/fellowships instituted by industries for students.
- Project works/dissertation work/ training in industries under guidance of the faculty and experts from industry.
- Training and placements of students.

- **Evidence of Success**

Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.

- 2 Letter of Intent with Environmental Management Department, National Institute of Advanced Industrial Science & Technology (AIST), Tsukuba, Japan, with EST Department for Ph.D. Students Exchange Program, and Training on Field Methodologies and collaborative research work for Masters Students.
- 3 Tie-up with
 - a. IIRS-ISRO, Dehradun for live Web Seminars and online certificate courses for students.
 - b. Prolific Systems & Technologies Pvt. Ltd. for training and workshops of Instrumentation & Control
- 4 Talks from Industry experts/alumni on various advanced topics in every department.
- 5 Few department students undergo One month / One and half month industrial training during vacation period while few department students have 6 months in plant training / project work which is satisfactorily done with Industry support.

- **Problems Encountered and Resources Required**

Please identify the problems encountered and resources required to implement the practice (in about 150 words).

2. Placement

- **Objectives of the Practice**

What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice (in about 100 words)?

- To provide 100% employment opportunities for all students.
- To build confidence in students and develop right attitude in them to face interviews.
- Students trained with industrial and academics values.

- **The Context**

What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?

The credibility of any college recruitment particularly for a PG Institute is directly proportionate to the Placement Opportunities that they provide to students, which in turn influence the reputation and intake. In such scenario, it is important for us to associate with collaborative partners as industries. Placement is on top of the priority and agenda at campus for all departments. The entire academic activities are oriented to provide the best possible placement to the students in leading industries in Gujarat, India and overseas. For enhancing the exposure of the students to the industrial sectors and to act as an interface between the Institution and the Industry ISTAR organizes Expert talks, Seminars, Workshops and also Career / Personality Development Programs. We at ISTAR focus on final placement (on-campus or Off campus) as well as arranging summer internship for the students at department level.

- **The Practice**

Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?

The Institute encourages in all possible ways with the spirit of deriving mutual benefit of students and Industries. The major modes of practice and interaction are listed below:

Industries are invited through e-mail messages, phone calls, and letters.

- Companies interested in recruiting students inform ISTAR are required to give information about job description, job profile, remunerations etc.
- Dates for campus visit are fixed with mutual concern with department or Institute and Industry. The dates are adjustable keeping in view the interest of both parties.
- The staff members help the interested companies with the visit related assistance like audio-visual facilities, Halls for pre-placement talks, written tests, group discussions, and personal interviews.

- Students are provided with the information of company details, website, number of vacancies, before the interviews so that students are well prepared for viva.
- Students are asked to come with dress code and detailed CVs, Passport size photos. Sometimes students were provided counselling to students how to face interviews, etc. by faculty.
- **Evidence of Success**

Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.

Putting all the efforts and matching Industrial Expectations resulting into repeated and regular Industry recruitment process. ISTAR has excellent Campus Placement in Chemical Sciences, Valuation departments while in case of Industrial Hygiene and Safety Environmental Science & Technology, Geoinformatics, Information Technology, Instrumentation & Control have on campus as well as off campus placement support provided to students exceptionally.

The following is the list of number of students selected On Campus.

No.	Department	Year	No. of students
1	Industrial Chemistry	2017-18	50
	Surface Coating Technology		38
	Polymer Science & Technology		17
	Organic Chemistry		16
	Industrial Hygiene & Safety		13
	Environmental Science & Technology		14
	Instrumentation & Control		01
	Geoinformatics		07
2	Industrial Chemistry	2016-17	57
	Surface Coating Technology		22
	Polymer Science & Technology		29
	Organic Chemistry		20
	Industrial Hygiene & Safety		15
	Environmental Science & Technology		27
3	Industrial Chemistry	2015-16	63
	Surface Coating Technology		36
	Polymer Science & Technology		20
	Organic Chemistry		08
	Industrial Hygiene & Safety		15
	Environmental Science & Technology		36
4	Industrial Chemistry	2014-15	60
	Surface Coating Technology		60
	Polymer Science & Technology		21

	Organic Chemistry		13
	Industrial Hygiene & Safety		14
	Environmental Science & Technology		40
	Information Technology		02

- **Problems Encountered and Resources Required**

Please identify the problems encountered and resources required to implement the practice (in about 150 words).

1. Commuting of HR team with technical staff from office to ISTAR campus in busy schedule.
2. Campus Selected students not joining the company on the confirmed joining dates keeping HR Dept. in a state of unnecessary dilemma
3. Candidate not able to adopt himself or herself to company hiring procedures.
4. Campus Placement selection does not yield immediate joining of selected candidates as student's examinations and semesters are not over.

- **Notes (Optional)**

Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words).

Any other information regarding Institutional Values and Best Practices which the HEI would like to include.