The Annual Quality Assurance Report (AQAR) of the IQAC

(For Affiliated/Constituent Colleges)

A.Y. 2013-14

AISHE ID: C-731 H. & H.B. KOTAK INSTITUTE OF SCINECE RAJKOT

Part – A

Data of the Institution

(data may be captured from IIQA)

1. Name of the Institution

H. & H.B. KOTAK INSTITUTE OF SCINECE RAJKOT

• Name of the Head of the institution : DR RANJANA A. AGARWAL

• Designation: PRINCIPAL

• Does the institution function from own campus: YES

• Phone no./Alternate phone no.: 0281-2465643

• Mobile no.: 9374293999

• Registered e-mail: kotaksciencecollegerajkot@gmail.com

• Alternate e-mail: ranjanaagarwal31@gmail.com

• Address :DR YAGNIK ROAD

• City/Town : RAJKOT

• State/UT : GUJARAT

• Pin Code : 360007

2. Institutional status:

- Affiliated / Constituent: Affiliated
- Type of Institution: Co-education
- Location : Rural/Semi-urban/Urban: Urban
- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing (please specify) UGC 2f and 12(B)
- Name of the Affiliating University: SAURASHTRA UNIVERSITY
- Name of the IQAC Co-ordinator: Mr NT CHOTALIYA

Phone no.: 0281-2468376Mobile: 9426928329

• IQAC e-mail address: hhbkisiqac@gmail.com

3. Website address: kotaksciencecollege.co.in

Web-link of the AQAR: (Previous Academic Year):

http://kotaksciencecollege.co.in/upload/naac/AQAR_13-14.pdf

4. Whether Academic Calendar prepared during the year? YES

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

Weblink:

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period	
1 st	B+ 78%		2007	from:2007 to: 2012	

6. Date of Establishment of IQAC: DD/MM/YYYY: 09/03/2013

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture							
Item /Title of the quality initiative by Number of							
IQAC	Date & duration	participants/beneficiaries					
NIL	NIL	NIL					

<u>Note</u>: Some Quality Assurance initiatives of the institution are: (Indicative list)

- Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements
- Academic Administrative Audit (AAA) conducted and its follow up action
- Participation in NIRF
- ISO Certification
- NBA etc.
- Any other Quality Audit
- 8. Provide the list of funds by Central/ State Government-

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

Institution/		Funding	Year of award with	
Department/Faculty	Scheme	agency	duration	Amount
		State		
H.&H.B. Kotak		Government	2017-18	3,08,31,000
Institute of Science		UGC	2017-18	10,15,000

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

*upload latest notification of formation of IQAC

10. No. of IQAC meetings held during the year: 02

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website......

Yes/No No

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

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

If yes, mention the amount: N.A. Year: N.A.

- 12. Significant contributions made by IQAC during the current year (maximum five bullets)
 - * Academic & Administrative Audit
 - * Assessment of Academic Performance Indicators under Career Advancement Scheme

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes

14. Whether the AQAR was placed before statutory body? Yes /No: No

Name of the Statutory body: N.A. Date of meeting(s): N.A.

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

Yes/No: NO Date: N.A.

16. Whether institutional data submitted to AISHE: Yes/No: YES

Year: 2013-14 Date of Submission: 26/09/2014

17. Does the Institution have Management Information System?

Yes No NO

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

N.A.

Part-B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The College is affiliated to Saurashtra University and follows the curriculum and syllabi prescribed by the university. Saurasthra University provides Academic Calender at the beginning of each academic year. Advance planning of Academic activities is done by the college in concordance with the University academic calendar.

For the successful and timely implementation of curriculum, Time-table committee of the college prepares a Time-Table after the discussion with Head of the all departments at the beginning of each semester. Each department conducts departmental meetings where workload distribution among staff is prepared for the given time-table. Faculties prepare advanced academic planner for their work for timely implementation as well.

Students are made aware of the academic plans through time table and relevant notices as well as in the classrooms by their respective teachers. Also, slow and advanced learners from F.Y. B. Sc. Students are identified in the beginning of academic year. Teachers plan their work in view of the abilities of the slow learners, the average students and the advanced learners.

In addition to conventional teaching methods, faculties use other tools to supplement the effective delivery of curricular aspects such as field visits, study tours, industrial visits, group discussions, projects, class seminars, quiz and use of ICT. The college has put in place required infrastructure for technology-led learning. The campus is fully wi-fi enabled with internet access to all students and faculty.

To improve the delivery of curricular aspects by teachers, the institute supports the faculty members in various ways: by providing well-equipped library facility; by providing encouragement to attend various seminars, workshops, faculty development programs, refresher and orientation courses to update their knowledge etc.

The Head of the department and the Principal do a periodical review monitoring of delivery of curriculum and also the student's attendance.

The internal examinations are organized systematically to assess the attainments of course outcome.

The IQAC monitors the feedback of students regarding curriculum delivery which helps in incorporating necessary measures for effective implementation.

1.1.2 Certificate/ Diploma Courses introduced during the Academic year								
Name of	Name of	Date of	focus on employability/	Skill development				
the	the	introduction and	entrepreneurship					
Certificate	Diploma	duration						
Course	Courses							
NIL	NIL	NIL	NIL	NIL				

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with	Date of Introduction	Course with Code	Date of Introduction	
Code				
NIL	NIL	NIL	NIL	
			_	

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.

adopting CBCS					CBCS /	Electiv	ve Course Syste	m		
B.Sc. Chemistry		7	NII	Ĺ	2009-10		•		7	NIL
B.Sc. Physics										
B.Sc. Mathematic	cs									
B.Sc. Statistics										
B.Sc. Botany										
B.Sc. Zoology										
B.C.A.										
Already adopted (1										
1.2.3 Students enro				_			duced during th	e ye	ar	
	Certific	cate			oma Cours	ses				
No of Students	NIL			NIL						
1.3 Curriculum E										
1.3.1 Value-added		imparti								
Value added cours	es		Date	of in	ntroduction	1	Number of stu	ıdeni	ts enre	olled
NIL			NIL NIL							
1.3.2 Field Project	s / Interi	nships u	ınder t	aken						
Project/Pr	ogramm	e Title			No. o	f stude	ents enrolled for	Fie	ld Pro	jects /
					1.00		Internships			
B.Sc. Chemistry					120					
1.4 Feedback Sys		a adha al-	- ma aci	rrad :	fuom oll 41-	0 0401-0	sholdows			
1) Students	2) Tea	chers	(3)	Emp	ployers	4) Al	umnı	5) I	Parent	S
Yes/ No Yes/ No Yes			es/ N	lo	Yes/	No	Yes	s/ No		
1.4.2 How the feed				ıg an	alyzed and	l utiliz	ed for overall d	evel	opme	nt of the
institution? (maxir	num 500) words)							

CRITERI	CRITERION II -TEACHING-LEARNING AND EVALUATION										
2.1 Stud	2.1 Student Enrolment and Profile										
2.1. 1 De	2.1. 1 Demand Ratio during the year										
Name of	of the			Number of applicat	ions	Students	Enrolled				
Progra	mme	Number of	f seats available	received							
B.S	c.		345	4080		34	5				
B.C.	.A.		60	17		17					
2.2 Cate	ring to	Student Div	ersity								
2.2.1. St	udent - l	Full time tead	cher ratio (current	year data)							
Year	Numb	er of	Number of	Number of full	Nun	nber of full	Number				
	studer	nts enrolled	students enrolled	time teachers	time	teachers	of				
	in the	the institution in the institution		stitution in the institution available in the		lable in the	teachers				
	(UG)		(PG)	institution	insti	tution	teaching				
				teaching only	teac	hing only	both UG				
				UG courses			and PG				
							courses				

2013-	933	NIL	29	NIL	29
14					

2.3 Teaching - Learning Process

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

Number of	Number of	ICT tools and	Number of ICT	Number of	E-
teachers on roll	teachers using	resources	enabled	smart	resources
	ICT (LMS, e-	available	classrooms	classrooms	and
	Resources)				techniques
					used
27	27	Projector,	4	0	BISAG
		Computer,			TV
		CD/DVD			Programs

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

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

Yes.Student Mentoring System is available in institute. Each faculty is the mentor of a group of students. Mentor mentee interactions starts before joining the institute till end, by providing advice regarding choice of elective subject and through semester teaching and project work, Laboratory practical, industrial visit and much moreto the students till end of college by giving prospect of further education and employment, etc.During college period students continuously monitor, counsel, guide and motivate mentee's with altogethereducational matters and difficulties.

When students encounter with any Educational difficulty they are mentored by communicating sessions other than the regular classroom / laboratory contact hours.

Mentors meet their students and guide them with their studies and extra-curricular activities.

The mentors act as guides to the students during their final projects. Individual recognition and encouragement.

The mentoring system ensures that the students adapt to the Educational system and enhance himself for highly successful careers by guiding.

Enhances the students' confidence and challenges them by setting higher goals, taking risks and ultimately guiding them to achieve higher levels.

Students get an insider's perspective on navigating educational goals and career in the right channel.

The institute has an integrated mentoring system where the faculty acts as a link between the students and the institution.

The HODs (Head of the Department) of various Departments also act as a mentor and monitor different activities of the assigned mentors and the students.

The HODs when needed advices mentors of his/her department and sometime review the Mentoring System. Also suggest and advise mentors whenever necessary. Routine advice on balancing of academic and professional responsibilities. Also, Initiate administrative action on a student orpsychosocial support

at the time when necessary.

Mentors act as role models and facilitate leadership by developing the interpersonal skills and helping students thrive in competitive environments.

Students get access to a support system (Mentors) during the crucial stages of their academic, professional and intellectual development.

Students get an exposure to diverse academic and professional perspectives, and experiences in various fields. Some mentors also keep contact with the students even after their graduation.

Number of students enrolled in the	Number of fulltime	Mentor: Mentee	
institution	teachers	Ratio	
933	27	1:32	

2.4 Teacher	Drofilo	and O	nolity						
2.4.1 Number				appoint	ed during	the ye	ar		
No. of sancti positions		No. fille	of	Vacant position		Positio	ositions filled during e current year		No. of faculty with Ph.D
45			27	1	.8		3		14
2.4.2 Honours and recognitions received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)									
Year of award Name receiv		receivi	e of full time teachers ving awards from state level, nal level, international level				signatio	fellow from	e of the award, vship, received Government or vnized bodies
NIL		NIL			NII	L	NIL		
2.5 Evaluati 2.5.1 Number of results du	r of day	s from			ter-end/ y	ear- end	l examin	ation till	the declaration
Programme	Progra	-	Semest	er-6 /	Last date				declaration of
Name	Code		year		semester-end/ year- end examination				f semester-end/ l examination
B.Sc. B.C.A.			Seme	ster-6	April-2013 April-2013				h May 2013 h May 2013
	ns initiat	ed on C							stitutional level

- 2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)
 - ➤ H & HB Kotak institute of science follow the regulations and evaluation process of the affiliating Saurashtra University. In the beginning of the academic year all students are oriented about the internal and external evaluation process. The faculty members give the instructions even in the classrooms and copy of the same is also displayed on the

- student's notice board. Students and parents are clearly made aware of the eligibility conditions required to appear in the final exam.
- ➤ The evaluation is the core and integral part of the teaching learning process. The internal examination committee of the senior faculties conducts meeting to decide internal evaluation time table.
- The internal evaluation weightage of 30 % is divided in three parts
 - (1) 10 % for classroom MCQ test
 - (2) 10 % Assignment
- (3) 10 % seminar presentation and quiz or Assignment (For final year student)

 Student has to score minimum 12 marks out of 30 marks to get through to be eligible for the university exam.
 - > Evaluation of remaining 70 % is done by external university exam.
 - ➤ Internal evaluation of 30 % practical mark done on the basis of
 - (4) 10 % for Practical viva
 - (5) 10 % Journal presentation & regularity
 - (6) 10 % Lab performance and scientific approach

During the orientation programme newly admitted students are updated about the attendance required and minimum marks required in the CBCS system both at internal and external evaluation. In internal evaluation gracing is given at the institutional level if required. The evaluation reforms of the university are followed in the best of the spirit to keep evaluation process fare and transparent.

The H & HB Kotak Institute of Science has been following the improved examination system as prescribed by the affiliating university with the introduction of CBCS since June 2010. Those faculty members appointed as paper setter and examiner are also participating in university examination process.

- At institutional level under the leadership of head of the institution and examination committee every faculty member is assigned examination duty of block supervisor, senior supervisor and reliever.
- ➤ The members of examination committees monitor and observe all examination blocks through CCTV and give the instruction to block supervisor and students if required.
- > Senior supervisor are in continuous monitoring during internal and external exams.

The final evaluation and gradation of subjects of elective generics is done at the institutional level

2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related

matters (250 words)

- ➤ The H & HB Kotak Institute of Science follow academic calendar of the Saurashtra University. In the beginning of the academic year the affiliating university provides academic calendar including the schedule of continuous internal evaluation. The affiliating university introduced Choice Based Credit System (CBCS) of evaluation form Jun 2011. The evaluation process can also be accessed from the affiliating university website.
- ➤ The rules and regulation regarding examination are communicated to students in the orientation programme. Information regarding the evaluation process is put up on the students' notice board and circulated it in every class and also communicated through intercom system. More over the faculty members inform their respective departmental students during classroom teaching. The same is also communicated to parents during the parents-teachers association meeting.
- ➤ The H & HB Kotak Institute of Science as an affiliated college to the Saurashtra University bound to follow rules and regulation regarding internal evaluation. Since the introduction of CBCS the college conducts internal test according to the question paper pattern adopted by the university.
- ➤ The university conducts the final exam that have 70 percent weightage. 30 percent weightage is for continuous internal evaluation entrusted to the college. 30 percent of the marks given from written internal exam, percent reserve for obedience, discipline, attendance and remaining percent for assignment, classroom seminar, presentation and other creative activities. In CBCS the affiliating university has given freedom to colleges for the final evaluation of subjects of Elective Generic at college level.
- ➤ Under the semester system for internal evaluation college conducts one regular internal written test and an additional test for students who represented college in the events of Sports, NSS, NCC and cultural If they could not appear in the regular test. Before submission of final internal evaluation to the university it is displayed both on students' notice board and college website for any query.

2.6 Student Performance and Learning Outcomes

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

NIL							
2.6.2 Pass percentage of students							
Programme	Programme	Number of students	Number of students	Pass			
Code	name	appeared in the final year	passed in final	Percentage			

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

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

NIL

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

Nature of the Project	Duration	Name of the	Total grant	Amount received during
Tractic of the Project	Duration	funding	sanctioned	the Academic year
		Agency		
Major projects	NIL	NIL	NIL	NIL
Minor Projects	NIL	NIL	NIL	NIL
Interdisciplinary Projects	NIL	NIL	NIL	NIL
Industry sponsored	NIL	NIL	NIL	NIL
Projects				
Projects sponsored by the University/ College	NIL	NIL	NIL	NIL
Students Research Projects (other than compulsory by the College)	NIL	NIL	NIL	NIL
International Projects	NIL	NIL	NIL	NIL
Any other(Specify)	NIL	NIL	NIL	NIL
Total	NIL	NIL	NIL	NIL

3.2 Innovation Ecosystem

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

Title of Workshop/Seminar	Name of the Dept.	Date(s)
NIL	NIL	NIL

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

Title of the	Name of the	Awarding	Date of	Category
innovation	Awardee	Agency	Award	
NIL	NIL	NIL	NIL	NIL

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

Incubation Centre	Name	Sponsored by	
NIL	NIL	NIL	
Name of the Start-up	Nature of Start-up	Date of commencement	

3.3.1 I	ncentive to	the teach			e recogniti	on/awards	ı			
State			Natio					ational		
NIL-			NII				NIL			
				r (<i>app</i>	licable for	· PG College				
	Name of the	ne Departr	nent			No.	of Ph. Ds	Awarded		
3.3.3 R	Research P	ublications	s in the Jo	urnal	s notified o	on UGC web	site durin	ng the year		
	Depar		No. c	of Pub	lication		Average 1	Impact Factor,	if any	
	PHYS	SICS		1						
Nati	CHEM	ISTRY		1						
onal	MAT	ΓHS		2						
/Inter	STATI	STICS		1						
natio	BOTA	ANY		0						
nal	ZOOL	OGY		0						
	ENGI	LISH		0						
2241	D 1 1	Cl		T 7 1	/ D 1	1111 1	•	1/3	1	
	ence Proc	-					and pape	rs in National/I	international	
	De	epartment					No. of pu	blication		
	P	HYSICS			0					
	CH	EMISTRY	7		0					
	MAT	HEMATIO	CS		0					
	В	OTANY			0					
	ZC	OOLOGY			0					
	STA	ATISTICS	•		0					
		-			_	-	ar based c	on average citat	tion index in	
	s/ Web of S									
Title of	the paper	Name of th		Title of		Year of	Citation	Institutional	Number of	
		author	j	ournal		publication	Index	affiliation as	citations	
								mentioned in	excluding self	
								the publication	citations	
"Effect	of	K. H. Jani	9	Solid S	tate	2013		Physics		
Anisotro		Tt. 11. Juni		Phenor		2013		Thysics		
	ic ordering		-							
in the sp	Ū									
system										
_)Ge(z)Cr(x									
-z)Fe(2-	-x-z)O(4)"									
Gelfand	Theory	M K Kansa	agara l	Matha	matics	2013		Physics		
	tor-valued		_	Foday	matics	2013		111,5105		
	g Algenras			. ouay						

NIL

NIL

NIL

Microwa assisted synthesi novel 1,! benzodia derivativ potent antimicr	rapid s of 5- azepine ves as	N U Pandya	Journal of Heterocy Chemistr	clic	2013	С	hemistry	
agent Prime co	ordial of the elated to th one win nd .: 79-87	G V Ghodasar	Internation Journal of and Applopment Mathematical Academic Publication Volume 8	of Pure ied atics, c	2013	N	1athematics	
"CONST N OF TRIANG DESIGN k = 1 a	S WITH	N R Desai	Indian Jou Statistics Application	and	Vol. 2, No. 1 & 2, 2013	S	TATISTICS	
Page 01-0	08							
3.3.6 h- Title of the paper	index of t Name of the author	he Institutiona Title of the journal	l Publication Year of publication	s during h-index	Number o		Institution	al affiliation as I in the
	l culty par f Faculty	ticipation in So	eminars/Conf ional level		and Sympos lonal level	ia during the		Local level
Attende Seminar Worksh	ed rs/	monut		7 (41)		-	-	
	ed papers				1	-	-	
	e Persons			1				

3.4 Extension Activities						
3.4.1 Number	3.4.1 Number of extension and outreach programmes conducted in collaboration with industry,					
community a	nd Non- Government Organ	isations through NSS/NCC/	Red cross/Youth Red			
Cross (YRC) etc., during the year						
Title of the	Organising unit/ agency/	Number of teachers co-	Number of students			

Activities	collaborating agency	ordinated such activities	participated in such activities
Run for	NSS Unit & Collector of		
Unity	Rajkot	45	200
Competitive			
Exam			
Guidance	NSS Unit	3	100

3.4.2 Awards and recognition received for extension activities from Government and other						
recognized bodies durin	ng the year					
Name of the Activity	Name of the Activity Award/recognition Awarding No. of Students					
bodies benefited						
NIL	NIL	NIL	NIL			

3.4.3 Students	participating in	extension activities w	rith Government Or	ganisations, Non-				
Government C	Organisations and	d programmes such as	Swachh Bharat, A	ids Awareness, Gender				
Issue, etc. dur	ing the year							
Name of the	Name of the Organising Name of the Number of Number of students							
scheme	unit/ agency/	activity	teachers	participated in such				
	collaborating		coordinated	activities				
	agency		such activities					
G 11	NIGGILL	G 11 G1 '	1.7	500				
Swachh	NSS Unit	College Cleaning	15	500				
Bharat		& Classroom						
		Decoration						
Gender Issue	NSS Unit	Self Defence	2	40				
		Program for Girls						
Awareness	NSS Unit	Matdan Jagruti	10	200				
		Rally						
Awareness	NSS Unit	Celebration of	10	500				
		National Voting						
		Day						

3.5 Collaborati	ons					
3.5.1 Number o	f Collabor	ative a	ctivities f	for research, faculty	exchange, stude	ent exchange
during the year						
				Source of finan	cial	
Nature of Ac	tivity	Parti	cipant	support		Duration
NIL	-	N	IIL	NIL		NIL
3.5.2 Linkages	with instit	utions/i	industries	s for internship, on-th	he-job training,	project work,
sharing of resea	rch facilit	ies etc.	during th	ne year		
Nature of	Title o	f the	Name	of the partnering	Duration	Participant
linkage	linka	.ge		tution/ industry	(From-To)	•

			/researc	h lab with contac details	t	
Industrial training	Training		as above		02-02-2018	17 students& 01 faculty
Industrial training	Training		Gajanand fertilizers & chemicals		15-02-2014	03 students
Industrial training	Training		Amul enterprise		11-02-2014	03 student
Industrial training	Training		Tatasthu pvt.Ltd		12-02-2014	05 student
3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year						er universities,
Organisa		Date	e of MoU Purpose and Number of students/te igned Activities participated under M			
NIL		1	NIL .	NIL		IL

CRITERION IV – INFRASTRUCT	ΓURE AND L	EARNING RESO	URCES		
4.1 Physical Facilities					
4.1.1 Budget allocation, excluding sal	lary for infrast	ructure augmentatio	n during the year		
Budget allocated for infrastructure	utilized for infrastru	icture development			
augmentation					
NIL NIL					
4.1.2 Details of augmentation in infra	structure facil	ties during the year			
Facilities		Existing	Newly added		
Campus area		122632 Sq.Mt.	NIL		
Class rooms		11	NIL		
Laboratories		14	NIL		
Seminar Halls		NIL	NIL		
Classrooms with LCD facilities		4	NIL		
Classrooms with Wi-Fi/ LAN		2	NIL		
Seminar halls with ICT facilities		NIL	NIL		
Video Centre		NIL	NIL		
No. of important equipments purchase	ed (≥ 1-0				
lakh) during the current year.					
Value of the equipment purchased du	ring the year				
(Rs. in Lakhs)					
Others					

4.2 Library as a Learning Resource4.2.1 Library is automated {Integrated Library Management System -ILMS}

Name of the ILMS software	Nature of automation (fully or partially)			Version		Year of automation	
SOUL	NIL			2.0		Note done	
4.2.2 Library Services:							
	Exis	sting	Newl	y added		Total	
	No.	Value	No.	Value	No.	Value	
Text Books	3888		0	0	3888		
Reference Books	18752		89	9167	18841	9167	
e-Books	0	0	0	0	0	0	
Journals	0	0	0	0	0	0	
e-Journals	0	0	0	0	0	0	
Digital Database	0	0	0	0	0	0	
CD & Video	0	0	0	0	0	0	

Remarks: Here number of books purchased after 2013-14 and their values are shown in the table.

Library automation

Others (specify)

Soft)

Weeding (Hard &

4.3 IT I	nfrastruc	ture							
			n (overall)						
	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	75	2	All departments	1	1	5	7	10	
Added	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
Total	75		All departments	1	1	5	7	10	
	cility for e		pment facilit	y Pr	ovide the	link of th	e videos an	d media c	entre
Name of	the e-com	ent develo	ринені таспи	,		ing facilit		u meura c	chue
NIL				NI		ing racini	ıy		
TTIE				111					
4.3.4 E-0	content de	veloped by	teachers suc	ch as: e-I	PG-Pathsl	nala, CEC	C (under e-P	G-Pathsha	ala
			YAM other l						
			titutional (Le						
Name of		Name of the			atform or			launching	e -
teacher				m	odule is d	leveloped	content		
NIL		NIL		N	IL		NIL		

4.4 Maintenance of	4.4 Maintenance of Campus Infrastructure								
4.4.1 Expenditure incurred on maintenance of physical facilities and academic support									
facilities, excluding	facilities, excluding salary component, during the year								
Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities						

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

The college is run by Government of Gujarat. Maintenance of civil works and electric works of the college building and infrastructure is the responsibility of Road & Building Department. The new civil and electric work, augmentation and maintenance of government buildings are done by R&B Department regularly. Maintenance of government buildings is one of the functions of R&B Department. Our college is one of them. R&B Department prepares budget of all the government buildings and spends money for them. Therefore R&B cannot give us budgets and expenses done by them to the college separately. Instruments, equipments and other aids are purchased and maintained by the college. For example, college purchases computer systems and whenever the requirements of the maintenance are produced, college calls respective

technician to fix the problem.

CRITERION V - S	CRITERION V - STUDENT SUPPORT AND PROGRESSION								
5.1 Student Suppo	5.1 Student Support								
5.1.1 Scholarships and Financial Support									
Name /Title of the scheme Number of students Amount in Rupees									
Financial support from institution	NIL	NIL	NIL						
Financial support fi	rom other sources								
a) National									
b) International									

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

\mathcal{E}	0 /		
Name of the capability	Date of	Number of	Agencies involved
enhancement scheme	implementation	students enrolled	
SUCEAT	21/12/2013	65	Saurashtra University
Seminar on preparation	24/01/2014	100	CEO, Sardar Patel Cultural
Competitive Exam			Foundation, Rajkot
Seminar on How to	13/02/2014	120	CEO, Sardar Patel Cultural
crack Competitive Exam			Foundation, Rajkot
UDISHA Library		200	

	5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year								
Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed				
2013-14	SUCEAT Seminar and workshop on Competitive Exam	220	120						

Total grievances received N			ent and ragging cases during No. of grievances			s during t	Average number of days for			
			redressed				e redressal	•		
NIL		NIL NIL								
5.2 Stu	dent Pro	ogression								
5.2.1 D	etails of	campus placer	men	t during th	e year	•				
		On campus					Of	f Campus		
Nam		Number of		umber of		lame of		mber of		Number of
Organi		Students		Students		anization		udents	St	udents Placed
	ited	Participated		Placed		Visited	Par	ticipated		
Relianc		45		9		eliance		95		9
Power 1	Ltd				In	dustries				
Ensure Pharma	<u>l</u>	45		5						
		ogression to h	ıghe							
Year	Numb	er of students		Programm		Departn	nent	Name of		Name of
	enrolli	ng into higher		graduated		graduat	ed	institution		Programme
	educat	ion		from		from		joined admi		admitted to
2013-14	225			B.Sc.		H&HB Kotak		Saurashtra M.S		M.Sc./B.Ed
						Institute of	of	University		
						Science				
5 2 3Str	udents a	ualifying in sta	ate/ i	national/ ir	iterna	l tional lev	el exami	nations duri	ing t	he vear (eg:
	_	Γ/GATE/GMA							_	-
1121/51			11/							
Items		CIIIS		No. of Students sel			Registration number/roll number for the exam			
			qualifying							
NFT				NII	qua	· <i>)B</i>		NII		
NET SET				NIL NII	qua			NIL NII		
SET				NIL	que			NIL		
SET SLET				NIL NIL	qua			NIL NIL		
SET				NIL NIL NIL	qua			NIL NIL NIL		
SET SLET GATE				NIL NIL NIL NIL	qua			NIL NIL		
SET SLET GATE GMAT				NIL NIL NIL	qua			NIL NIL NIL NIL		
SET SLET GATE GMAT CAT				NIL NIL NIL NIL NIL	qua			NIL NIL NIL NIL		
SET SLET GATE GMAT CAT GRE				NIL NIL NIL NIL NIL NIL NIL	qua			NIL NIL NIL NIL NIL NIL NIL		
SET SLET GATE GMAT CAT GRE TOFEL Civil So	ervices	ent Services		NIL NIL NIL NIL NIL NIL NIL NIL	qua			NIL NIL NIL NIL NIL NIL NIL NIL		
SET SLET GATE GMAT CAT GRE TOFEL Civil So	ervices	ent Services		NIL	qua			NIL		
SET SLET GATE GMAT CAT GRE TOFEL Civil So State G Any Ot	ervices overnme		itios	NIL			Lat the i-	NIL	vol 4	uring the
SET SLET GATE GMAT CAT GRE TOFEL Civil So State G Any Ot	ervices overnme	ent Services	iities	NIL			l at the in	NIL	vel d	uring the
SET SLET GATE GMAT CAT GRE TOFEL Civil So State G Any Ot 5.2.4 Sp year	ervices overnme her ports and			NIL			l at the in	NIL		
SET SLET GATE GMAT CAT GRE TOFEL Civil Se State G Any Ot 5.2.4 Sp year Acti	ervices overnme her ports and			NIL			l at the in	NIL		

national	national/international level (award for a team event should be counted as one)							
Year	Name of the	National/	Sports	Cultural	Student ID	Name of the		
	award/ medal	International			number	student		
NIL	NIL	NIL	NIL	NIL	NIL	NIL		

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

NIL

5.4 Alumni Engagement

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

NIL

5.4.2 No. of registered enrolled Alumni:

NIL

5.4.3 Alumni contribution during the year (in Rupees):

NII.

5.4.4 Meetings/activities organized by Alumni Association:

NIL

CRITERION VI -GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Response:

The principal, IQAC coordinator and senior faculty members play vital role in policy decisions. As and when any important decision regarding institute is taken meeting is conducted with the entire teaching and non-teaching staff members, there by invite suggestions from all. Oral feedback from the parents is taken every year and their suggestions are honored.

As a case the principal and the IQAC coordinator planned for NAAC preparation and conducted meetings with staff members to explain the key-indicators of all criteria to collect data from each department and compile it for AQAR and SSR in given format. Thus, maximum staff members contributed to the common cause of the college and the principles of decentralization and participation were executed.

The principal constitutes different committees at the beginning of each academic year and all teaching and non-teaching staff work as the committee members. These committees are as follows:

Admission Committee	• IQAC	
Time-table Committee	Grievances Redressal Cell	
• RUSA Committee	Women Development Cell	
• DELL Committee	Anti Ragging Cell	
AAA Committee	• NSS	
• IT Committee	• NCC	
Soil Testing Committee	• Sports	
• E-Waste Management Committee	• BCA	
Library Committee		
• UGC Committee		
RTI Committee		
Saptadhara Committee		

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

No

6.2 Strategy Development and Deployment

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

- ❖ Curriculum Development: Curriculum is developed by the university. At least one teacher of the college is a member of Board of Studies of university. Whenever curriculum is designed or developed or reformed, the members contribute in BoS. Before the meeting the members of our college get feedback from respective teachers of their departments, teachers of other colleges and alumni. College principal is a senate member of the university. Head of Chemistry, Physics, Mathematics, Statistics, Botany, Zoology are members of respective BoS. One teacher of Physics Department is a member of Academic Council. One teacher of Botany Department is a member of Biochemistry.
- Teaching and Learning: Teachers intent to teach using projects and computer. All the departments have projector so that the faculty members can use them. They use various teaching methods according to topics. Visits of resources of Botanical gardens and fields, Industrial visit for Chemistry students, Seminar of students, Assignments, Use of library as a resource, Practical sessions of each subject, Projects, etc. make teaching-learning interesting and fruitful to the students.
- Examination and Evaluation: H & HB Kotak institute of science follow the regulations and evaluation process of the affiliating Saurashtra University. In the beginning of the academic year all students are oriented about the internal and external

evaluation process. The faculty members give the instructions even in the classrooms and copy of the same is also displayed on the student's notice board. Students and parents are clearly made aware of the eligibility conditions required to appear in the final exam.

The evaluation is the core and integral part of the teaching learning process. The internal examination committee of the senior faculties conducts meeting to decide internal evaluation time table.

The internal evaluation weightage of 30 % is divided in three parts –

- (1)10 % for classroom MCQ test
- (2) 10 % Assignment
- (3) 10 % seminar presentation and quiz or Assignment (For final year student)

Student has to score minimum 12 marks out of 30 marks to get through to be eligible for the university exam.

Evaluation of remaining 70 % is done by external university exam.

Internal evaluation of 30 % practical mark done on the basis of

- (4) 10 % for Practical viva
- (5) 10 % Journal presentation & regularity
- (6) 10 % Lab performance and scientific approach

During the orientation programme newly admitted students are updated about the attendance required and minimum marks required in the CBCS system both at internal and external evaluation. In internal evaluation gracing is given at the institutional level if required. The evaluation reforms of the university are followed in the best of the spirit to keep evaluation process fare and transparent.

The H & HB Kotak Institute of Science has been following the improved examination system as prescribed by the affiliating university with the introduction of CBCS since June 2010. Those faculty members appointed as paper setter and examiner are also participating in university examination process.

At institutional level under the leadership of head of the institution and examination committee every faculty member is assigned examination duty of block supervisor, senior supervisor and reliever.

The members of examination committees monitor and observe all examination blocks through CCTV and give the instruction to block supervisor and students if required.

Senior supervisor are in continuous monitoring during internal and external exams.

- The final evaluation and gradation of subjects of elective generics is done at the institutional level as well as university level.
- Research and Development: This institute is being an undergraduate college. Students of final year are encouraged to do industrial visit or field visit. During interaction with the industries or field they are sometimes they find some idea regarding the final year project and with the help of industry professional and mentor of the college. By combine efforts of all, students himself try to assess the idea in guided path plus by means of doing reference work and investigate work in a healthy conduct under the guidance. After approaching to an elucidation of the research done by the students, made a project report with a proper format and submit it to the institute.
- Library, ICT and Physical Infrastructure / Instrumentation: During the academic session students have Library facility to use different books and magazines and news paper and much more digital material over the web by using Namo-Wifi. Students are availed by the government scheme to have a Namo-Tablet for his college education as well as internet world of education. In addition to the old educational method college has

new ICT based educational methods too. In which, mentors uses interactive seminar, ppt, audio-video lectures, BISAG, miscellaneous learning aids over projector and much more. In Laboratory practical students does practical as per their syllabus on various chemistry, physics and biology instruments as well as del Lab essential for the Mathemetics.

\(\rightarrow\) Human Resource Management:

For Human Resource, Academic and Administrative, the institute is solely dependent on recruitment made by Govt. of Gujarat.

Academic Human Resource: Academic posts Viz; Principal, Professor, Librarian, Sports Director (PTI) and Lab. Assistants are filled through direct recruitment made by Commissioner of Higher Education- Gujarat. The roster is maintained centrally by the same office.

Administrative Resources; Posts related to administrative work are filled through direct recruitment by respective departments of Govt. of Gujarat.

For Visiting faculties and other Administrative works posts are filled through Outsourcing.

❖ Industry Interaction / Collaboration

Admission of Students:

First year Admission process:

Students' enrolment in First year is merit based where students undergo through process of filling up the admission forms on which merit list is generated as per government reservation policy. On confirmation of the admission, they are allotted subject groups of their choices based on merit.

Second year Admission process:

Students from this college having cleared or backlogs in previous year exam are enrolled first. If seats are found vacate after the admission, students from other institutes affiliated to Saurashtra University are given merit based admissions through admission process as mentioned above

Third year Admission process:

Students from this college having cleared or backlogs in Second year exam are enrolled first. For Final year, Subject choice and allotment is based purely on semester 1-4 cumulative merit. New admissions are given as per availability of seats in respective subjects.

6.3 Faculty Empowerment Strategies									
	6.3.1 Teachers provided with financial support to attend conferences / workshops and towards								
membe	membership fee of professional bodies during the year.								
Year	ar Name of teacher Name of conference/ Name of the professional								
		workshop attended for	body for which	support					
		which financial support	membership fee is						
		provided							

		International						
		conference on special						
2013-	Dr. N. K. Ajudia	functions and their						
14	v	applications		4868				
632N	6.3.2 Number of professional development / administrative training, programmes organized by							

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

Year	Title of the	Title of the	Dates	No. of	No. of
	professional	administrative	(from-to)	participants	participants
	development	training programme		(Teaching	(Non-
	programme	organised for non-		staff)	teaching
	organised for	teaching staff			staff)
	teaching staff				
2013-14	Nil	Nil	Nil	Nil	Nil

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

Title of the professional development	Number of teachers	Date and Duration
programme	who attended	(from - to)
STC on P.C.Hardware and Future	1	24/03/2014 to 30/03/2014
Technology		
STC on ENGLISH LANGUAGE	1	24 to30-March- 2014
TRANSLATION		
STC on Professional Development	1	Dt. 20/01/2014 to
Programme for Teachers on "Gandhi		26/01/2014
Vichar"		
STC on Classroom teaching technology	1	7-10- 2013 to 13-10-2013
		(7 days)
STC on Creative workshop on search &	1	21-10- 2013 to 27-10-2013
Research		(7 days)
STC on Professional Development	1	21/10/2013 to 27/10/2013
Programme for Teachers on 'Creative		
Workshop on search and research		
Refresher Course In Physics	1	8 to 28 -Dec-2014
Seminar on Advances in Spectroscopy	1	13/03/2014 to14/03/2014
and		
Stereochemistry		
Seminar on Swami vivekanand &	1	17-Mar-2013
contemporary indian thinkers		
Seminar on UGC sponsered national	1	13 to 14-March-2014
seminar in Advances in Spectroscopy		
Seminar on Democracy in Our Time :	1	14-09-2013
Past, Present and Future		
Conference: 101st Indian Science	1	3 to 7 Feb-2014
Congress Poster Presentation		
National one day workshop on "R & D	2	14-09- 2013
and its Impact in Current Context"		
jointly organised by IIIC, under IQAC		
and Department of Chemistry,		1
Saurashtra university, Rajkot		

	and Staff recrui	tment (no. f	for permaner	nt/fulltime re	ecruitment):	
	Teaching		Non-teaching				
Permane	ent	Fulltime		Permanent	F	fulltime/te	emporary
02	02 Nil Nil				Nil		
			l l		<u> </u>		
6.3.5 Welfare	schemes for						
Teaching					Co-opera	ative Soci	ety
Non teaching					Co-opera	ative Soci	ety
Students					NIL		
6.4 Financial	Management a	nd Resourc	e Mobilizat	tion			
6.4.1 Institutio	n conducts inter	nal and exte	ernal financi	al audits reg	gularly		
(with in 100 y	words each)						
6.4.2 Funds / C	Grants received t	rom manag	ement, non-	government	bodies, in	dividuals	,
philanthropies	during the year	not covered	l in Criterio	n III)			
Name of the	non governmen	t funding	Funds/		Pu	ırpose	
agencies/ individuals			Grants				
			received i	n			
Rs. Saurashtra University 18500 NSS							
	pus fund genera	•	10300			100	
	Quality Assuran						
	Academic and A	-	ive Andit (A	AA) has be	en done?		
Audit Type			ernal	111) 1145 50		Interna	1
Tradit Type	Yes		T	ency	Yes	s/No	Authority
Academic	105,	110	1 -8			5/110	Traditority
Administrative	, 						
	<u></u>						
652 Activitie	s and support fro	om the Pare	nt – Teachei	· Association	n (at least i	three)	
NIL		, , , , , , , , , , , , , , , , , , ,	10001101	110000144101	ar (at 10ast t		
	ment programme	es for suppo	ort staff (at le	east three)			
NIL	none programme	os for suppo	ir stair (at it				
	reditation initiat	ive(s) (men	tion at least	three)			
6.5.5		2,0(3) (111011		•====			
	of Data for AIS	HE portal	: (Yes/No)	YES			
		riz portar	: (Yes/No				
b. Participation			: (Yes/No				
b. Participation	ation		. (100/110	,, 110			
c. ISO Certific		ıdit	: (Yes/No) N.A.			
c. ISO Certific d. NBA or any	other quality au		: (Yes /No	<u></u>			
c. ISO Certific d. NBA or any	other quality au of Quality Initia	tives undert	aken during	<u></u>		Number	r of
c. ISO Certific d. NBA or any	other quality au of Quality Initia Name of qualit	tives undert	taken during	the year	From	Number	
c. ISO Certific d. NBA or any	other quality au of Quality Initia Name of qualit initiative by	tives undert y Date of condu	taken during of acting	<u></u>	From	Number	
c. ISO Certific d. NBA or any 6.5.6 Number	other quality au of Quality Initia Name of qualit initiative by IQAC	tives undert	taken during of acting	the year Duration (f	rom		
c. ISO Certific d. NBA or any 6.5.6 Number	other quality au of Quality Initia Name of qualit initiative by	Date of conductivity	taken during of acting ty	the year Duration (f	From	particip	

CRIT	ERION VII – IN	STITUT	IONA	L VALU	JES A	ND BI	EST PRA	ACTICE	ES	
7.1 - I	nstitutional Valu	es and S	ocial R	Responsi	bilities	5				
	Gender Equity (N		gende	r equity	promo	tion p	rogramm	es organ	ized b	y the
institu	tion during the ye									
	Title of the progra	amme		Period	(from-	to)		Par	ticipan	nts
							Fe	male		Male
	Environmental Co				•			_,		
Percei	ntage of power req	uirement	of the	College	met by	y the r	enewable	energy	source	es
7.1.3 1	Differently abled (jan) fri	endlines	S					
	Items Fa	cilities				Yes/	No	No	o. of B	eneficiaries
	cal facilities									
	sion for lift									
Ramp										
	e Software/facilitie	es								
Rest F										
	es for examination									
-	al skill developme	nt for dif	ferently	y abled						
studer										
Any o	ther similar facilit	У								
	Inclusion and Situ									
	most important in	itiatives	taken to	o addres	s locati	ional a	dvantage	es and di	sadvar	ntages during
the ye		NT 1	<u> </u>	ъ.	1	3.7	C	T	1	N 1 C
Year	Number of initiatives to	Numbe		Date an		Name of		Issues	a d	Number of
		initiativ		duratio the init		the initia	tivo	addressed		participating students and
	address locational	taken to		the init	iauve	ımıua	uive			students and staff
	advantages and	engage and	WIIII							Staff
	disadvantages and	contrib	ite to							
	uisauvainages	local	uic io							
		commu	nitv							
		• • • • • • • • • • • • • • • • • • •								
									ļ	
7151	Human Values and	1 Profess	ional F	thics						
	of conduct (handb				olders					
Couc	or conduct (nando	OOKS) 101	variou	is staken	orucis		Follow	u un (mo	wimin	n 100 words
	T:41-	-	D-4 6	: D1.1:	4:		Follov	• '		ii 100 words
	Title		Jate of	Publica	tion				each)	
7.1.6	Activities conduct	ed for pro						cs		
	Activity		Dı	uration (from	to	<u>)</u>	Nun	nber of	f participants
7.1.7	Initiatives taken by	y the inst	itution	to make	the car	mpus o	eco-frien	dly (at le	east fiv	re)

7.2 Best Practices

Describe at least two institutional best practices

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

1.

Title:

SOIL TESTING BY COLLEGE STUDENTS

Goal:

To help farmers to improve quality of soil.

Context:

Soil sampling is perhaps the most vital step for any soil analysis. As a very small fraction of the huge soil mass is used for analysis, it becomes extremely important to get a truly representative soil sample of the field. Soil test based nutrient management has emerged as a key issue in efforts to increase

agricultural productivity and production since optimal use of nutrients, based on soil analysis can improve crop productivity and minimize wastage of these nutrients, thus minimizing impact on environmental leading to bias through optimal production. Deficiencies of primary, secondary and micronutrients have been observed in intensive cultivated areas.

Practice:

H&HB Kotak Institute of Science, Rajkot, with the help of students, conducts five tests to ascertain soil composition. Agriculture department of Gujarat provides samples of soil. College has its separate laboratory for special project where college students test the samples before and after study hours. Student can learn and earn approx Rs.6000 per semester. Chemistry, Botany departments take care of this project. Of the Rs 80 a college gets for each sample, Rs 20 goes to the student who does soil analysis.

Success:

As it was the new project of soil testing in Science Colleges many colleges had not its laboratory. Our college set up systemized laboratory and made it exemplary for others. College has been practicing the soil test since 2010. Our college has tested highest number of samples among science colleges of Gujarat state. Each student earns Rs.20 per sample.

Problem encountered and resources required:

Initially, the college staff was unaware of the agriculture department\s procedure and that is why the college had sent some staff members for its training in the agriculture department. College needed funds to set up new laboratory and the staff who can work there other than college hours. College had to encourage students and staff in the beginning to dedicate their time for setup. One time fund was provided by the agriculture department for lab setup. As it started to run smoothly and successfully all the other students took interest in and staff also joined in the project. Presently it is running very well.

2.

Title:

RAINWATER HARVESTING

Goal:

To store and recycle the rain water

Context:

Water is an important natural resource and is the very basis of our life. We use water for drinking, irrigation, industry, transport and for the production of hydro-electricity. Water is a cyclic resource which can be used again and again after cleaning. The best way to conserve water is its judicious use.

Rain water harvesting is one of the most effective methods of water management and water conservation. It is the term used to indicate the collection and storage of rain water used for human, animals and plant needs. It involves collection and storage of rain water at surface or in sub-surface aquifer, before it is lost as surface run off. The augmented resource can be harvested in the time of need.

Practice:

The college has rainwater harvesting pits, to prevent water from going to waste during periods of rainfall. These are placed at various locations on the college campus, and are properly covered to avoid having stagnant water in the open.

A water harvest tank with the capacity of 10000 liters of water has been constructed to hold rain water from Chemistry Building of the college. This water serves to manage distilled water to the Chemistry laboratories for a whole year. The facility has been constructed adhering to government norms on hygiene.

Success:

College does not need to buy distilled water for experiments of practical of teaching in the laboratories.

Problem encountered and resources required:

The pits need to be rebuilt in the college campus and the tank needs to renovate periodically. Students prepare pits as a part of extra-curricular activities. Financial fund can be utilized to renovation of the huge tank.

7.3 Institutional Distinctiveness

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

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

- One of the oldest science colleges in Saurashtra region (Since 1937).
- The college located at the heart of Rajkot city at the prime location Dr. Yagnik Road, which is easy to locate and frequent transportation is available from any place.
- Vast green campus.
- The college is having huge multipurpose playground.
- Qualified Teaching Staff:

	Chemistry	Mathematics	Physics	Statistics	Botany	Zoology	English
Ph. D.	7	2	2	1	2	1	1
NET		2					
GSET	1						
TOTAL	10	5	6	1	2	1	2

- 27 (16- Ph.D.,2-NET, 1-GSET, 1-GATE,2-M.ed.,3-LLB)
- Merit based unique admission process for B. Sc. Semester-V.
- It's a government college so the education fee is the least for the students. Tuition fee is waived for the female students.
- Statistics subject is offered in the college which is the only centre in Saurashtra region.
- Offering BCA as a self-finance course.
- Soil testing project

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

- To follow the initiatives of the Government.
- To continue the courses of finishing program.
- To continue the soil testing project.
- To increase use of ICT in the teaching-learning process.
- To organize national conference.
- To organize state level seminar of IQAC.
- To construct new building of the college or augmentation of college building for adequacy of classrooms, Chemistry laboratory, toilets, etc if grant is released by the government.
- To enhance Office Management System

K

Name: Chotaliya N.T.

Signature of the Coordinator, IQAC

Principal
H. & H.B. Kotak Institute of Science
Rajkot

Name: Dr. Ranjana A. Agarwal

Signature of the Chairperson, IQAC

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