

BAI JIVKOR LALLUBHAI TRUST SANCHALIT



**K. K. SHAH JARODWALA
MANINAGAR SCIENCE COLLEGE**

Ranbaug, Maninagar AHMEDABAD

Gujarat, India - 380008

**ANNUAL QUALITY ASSURANCE
REPORT
(AQAR)**

YEAR : 2015-16

Part – A

I.Details of the Institution

1.1 Name of the Institution

K. K. Shah Jarodwala Maninagar
Science College

1.2 Address Line 1

J. L. Trust Campus

Address Line 2

Rambaug, Maninagar

City/Town

Ahmedabad

State

Gujarat

Pin Code

380008

Institution e-mail address

info@kksjmsc.com

Contact Nos.

079-25461060

Name of the Head of the Institution:

Prin. Dr. R. R. Shah

Tel. No. with STD Code:

079-25461060

Mobile:

9825318350

Name of the IQAC Co-ordinator:

Dr. P. G. Acharya

Mobile:

9879239403

IQAC e-mail address:

iqac@kksjmsc.com

1.3 NAAC Track ID(For ex. MHCOGN 18879)

Not received because LOI submitted before 2012

1.4 NAAC Executive Committee No. &Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no.is available in the right corner-bottom of your institution's Accreditation Certificate)

EC/56/RAR/59 dated 16-09-2011

1.5 Website address:

www.kksjmsc.com

1.6 Accreditation Details

Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	78.10%	2005	Five Years
2	2 nd Cycle	B	2.59	2011	Five Years

1.7 Date of Establishment of IQAC : DD/MM/YYYY

16/04/2006

1.8 AQAR for the year(for example 2010-11)

2012-13

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

AQAR 2006 -2011 submitted duly in previous years.

1.10 Institutional Status

Affiliated College

Yes

Regulatory Agency approved Institution

Yes UGC

Type of Institution

Co-education

Urban

Financial Status:

Grant-in-aid

UGC 2(f)

UGC 12B

1.11 Type of Faculty/Programme

Science

Gujarat University

1.12 Name of the Affiliating University (for the Colleges)

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc: No

2.IQACComposition and Activities

2.1No. of Teachers

2.2No. of Administrative/Technical staff

2.3No. of students

2.4No. of Management representatives

2.5No. of Alumni

2. 6No. of any other stakeholder and community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others

2.12Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13Seminars and Conferences (only quality related): Nil

2.14Significant Activities and contributions made by IQAC

Promoted 'Research' activities among faculty and students.
Promoted 'Sports' activities among students.
Introduced method of 'Work Distribution' among the faculty to pursue various activities.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
To apply for CPE	Applied for the CPE successfully cleared Guj. Uni. Scrutiny. rejected at UGC level.

2.15 Whether the AQAR was placed in statutory body: No



Provide the details of the action taken

Nil

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	1	Nil	nil	nil
PG	1	Nil	01	nil
UG	4	Nil	nil	nil
Total	6	Nil	01	nil

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	5

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback: Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes. B. Sc. Semester – V new syllabus introduced. New topics are incorporated.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
35	08	27	0	-

01 Principal

2.2 No. of permanent faculty with Ph.D.

18

2.3 No. of Faculty Positions Recruited (R) and Vacant(V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
00	03	00	00	00	00	00	00	00	03

2.4 No. of Guest and Visiting faculty and Temporary faculty

Nil	Nil	Nil
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	1	13	17
Presented papers	1	3	12
Resource Persons	-	2	1

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Charts, Models, Multimedia, Seminars.

2.7 Total No. of actual teaching days during this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Photocopy

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

07

2.10 Average percentage of attendance of students

75%

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B. Sc. Chemistry	180	39	18.2	47.0	0.1	86
B. Sc. Physics	44	Nil	7	14	29	50
B.Sc. Mathematics	115	16%	32%	9%	--	--
B. Sc. Statistics	12	8%	17%	33%	-	-
M. Sc.	44	12	23.0	55.1	26.0	97.8

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	-
Others	-

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	14	04	-	-
Technical Staff	04	07	-	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

College initiated to publish “Research Annals of Faculty and Students”. The aim of this publication is to sum-up over all research work done by the faculty and students as well.

Provided separate space for research work.

Promoted the students and faculties to participate and present in research seminars.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	0	0	0
Outlay in Rs. Lakhs	-	-	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	2	3	-
Outlay in Rs. Lakhs	1	1.55	1.785	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	16	2	-
Non-Peer Review Journals	-	-	-
e-Journals	8	2	-
Conference proceedings	-	-	1

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects				
Minor Projects	2	UGC	1,55,500	1,09,000
	2	UGC	1,05,000	70,000
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)	2012	UGC(T.G)	81328	81328
Total	4	UGC	3,41,828	2,60,328

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	-	-	-	-
Sponsoring agencies	-	-	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :
 From Funding agency From Management of University/College
 Total

3.16 No. of patents received this year --NIL--

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
2	-	1	1	-	-	-

3.18 No. of faculty from the Institution who are Ph.D. Guides
 and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)
 JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level	114	State level	Ni
National level	Ni	International level	Ni

3.22 No. of students participated in NCC events:

University level	04	State level	26
National level	07	International level	Ni

3.23 No. of Awards won in NSS:

University level	Ni	State level	Ni
National level	Ni	International level	Ni

3.24 No. of Awards won in NCC:

University level	Ni	State level	Ni
National level	Ni	International level	Ni

3.25 No. of Extension activities organized

University forum	Ni	College forum	Ni		
NCC	Ni	NSS	21	Any other	Ni

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Chemistry Department participated in university Youth festival.

1. Dr. H.N. Chauhan-NCC programme officer

Swachhata Abhiyan, Betibachavo activity, tree Plantation, HIV/AIDS awareness programme, Women development programme, etc.

2. Dr. Unnati J. Naik-BISAG Co-ordinator, Visiting faculty
SOS, Gujarat University, St. Xavier's, Bhavnagar Uni.

Working Committee member in Vidyasamaj Trust

Worked as observer in Gujarat University

Edx Course: CS191 Quantum Mechanics and Quantum Computation, 29th April 2013

3. Dr. Pinka Patel-Attend faculty development programme

4. Dr. S.H. Kalola- As visiting faculty at School of science, Gujarat Uni., Ahmedabad.

5. Prof. H.J. Shah- Co-ordinator in UDISHA (Job-placement cell)

Appointed as paper setter in IITE, Gandhinagar,

Appointed as paper setter in Gujarat Vidyapith, Ahmedabad,

Election duty in Lokshabha Election-2013

6. Prof.R.P.Chaudhari-Elocution,Debate,Extempore Quiz preparation of Inter college competition and Inter Uni. Competition,

Youth Festival(Interactual activities),Youth Festival host in city zonal,

Co-ordinator of Interactual activities,In Youth Festival padpurti and Quiz get 1st rank in zonal Level.

Physics Department:

R.N.DAVE

- Arranged Blood donation camp at college in support with Red Cross society, Ahmedabad and collected 51 blood bottles. Activity was appreciated by Red Cross society, Ahmedabad.

HUT: Promoted students to participate in Inter-college Fine Arts Competitions and Youth Festival.

English Department:

1. Served as Chief State Subject Co-Coordinator for ENGLISH at SANDHAN- All Gujarat Integrated Classroom for the Academic year.

2. Has been working as subject expert and language reviewer for various subjects and standards textbooks published by Gujarat State Textbook Board, Government of Gujarat, Gandhinagar.

3. Member of team of subject Experts for Work on Curriculum Development in subject English for Curriculum Development Center, Knowledge Consortium of Gujarat.

Statistics Department:

- Looking after activities of the credit society formed by the college, in the capacity of Vice President of this credit society.
This includes
 - Maintenance of the account
 - Loan disbursement
 - Consumer loan for food grain purpose
- Treasure of VidyaSamaj Trust – a founder trust of this college,
As a member of executive body of VidyaSamaj Trust, following activities are executed-
 - This trust provides scholarships to meritorious students
- financial assistance to students and class IV employees of this college.

Maths Department:

- **R.L.BHILA** served as a resource person at Science college of Pilwai to deliver a lecture on the date 13 August , 2013.
- **R.L.BHILA** attended a state level seminar at Bhikhabhai Patel Arts College,Anand on February 28, 2014.

Library:

- Youth Festival (Cultural Activity)
- CWDC
- Admission Committee
- Examination

Criterion – IV**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	1.5 acres	-	Mgmt.	1.5 acre
Class rooms	25	-	Mgmt.	25
Laboratories	07	-	Mgmt.	07
Seminar Halls	1	-	Mgmt.	0
No. of important equipments purchased (\geq 1-0 lakh) during the current year.				
Value of the equipment purchased during the year (Rs. in Lakhs)				
Others				

4.2 Computerization of administration and library

Nil

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	4028	300878	16	3806	4044	304684
Reference Books	6821	424268	25	7717	6846	431985
e-Books	N List Inflibnet	5000				
Journals	50	27715	4	1550	54	31918
e-Journals	N List Inflibnet					
Digital Database						
CD & Video						
Others (specify) Lit.	885	71034	08	890	893	71924

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	10	00	10	00	00	1	05	-
Added	-	-	-	-	-	-	-	-
Total	10	00	10	00	00	1	05	-

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

Facilities of Computer & Internet at each Department.

4.6 Amount spent on maintenance in lakhs :

i) ICT

Nil

ii) Campus Infrastructure and facilities

Nil

iii) Equipments

1,05,445/-

iv) Others

Nil

Total :

1,05,445/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Drive for DRIVING LICENCE, OPENING OF BANK ACCOUNT, PASSPORT, BLOOD DONATION, THALESSEMIA SCREENING, MEDICAL CHECK UP

5.2 Efforts made by the institution for tracking the progression

Arranged several quiz competitions, seminars, unit tests, assignments etc.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1094	50	5	-

(b) No. of students outside the state

(c) No. of international students

Men

No	%
558	48.56

Women

No	%
591	51.43

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
921	98	22	262	00	1303	788	91	27	238	00	1149

Demand ratio: N.A.

Dropout %: Approx 5%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
IAS/IPS etc State PS UPSC Others

5.6 Details of student counselling and career guidance

Chemistry: Mr.H.J.Shah prepared Data Of Students And Remain In Contact With Different Company For their Job Placement.

No. of students benefitted

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed

5.8 Details of gender sensitization programmes

Participate seminar by KCG & Gujarat University on Women Empowerment.

Lecture on Women Empowerment and Visit to Ahmedabad University

Lecture on 'Women Entrepreneurship and its benefits'

Lecture on 'Women Self Empowerment'

Workshop on 'What is Acting' for male and female students

Mahendi Competition for girl student.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution		
Financial support from government		
Financial support from other sources		
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: _____ - _____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Goals and Objectives of the institution framed by the management:

1. To give Higher Education in Basic Science (Through B. Sc. and M.Sc. programmes).
2. To orient students for persuing scientific attitude (Through Projects, Debates, Visits, Excursions and Research attitude for the students).
3. To build citizens with good conduct (Through tendency of Self Discipline, Integration, Motivation, Communication, Management etc).
4. To popularise scientific awareness (Through Science Exhibition, Quiz, Seminars, Research, Popular Lectures etc.).
5. To provide environment for all round development of students at mental, physical, social and spiritual level.
6. To provide vocational information for career advancement and employment oriented guidance

6.2 Does the Institution has a management Information System : No

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

As directed by Gujarat University

6.3.2 Teaching and Learning

Strictly followed “chalk and duster” system for theory, practical teaching is up to the mark. Multimedia projector, charts and models are being used.

6.3.3 Examination and Evaluation

Internal exams are conducted by college and external exams conducted by Gujarat University.

6.3.4 Research and Development

Promotes research activities at all levels.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Full fledge functioning of library.
Ongoing ICT related improvements.
Tendency to accomplish physical infrastructure/instrumentation as and when required.

6.3.6 Human Resource Management

Directly monitored and managed by the Principal and trustees of the college.

6.3.7 Faculty and Staff recruitment

As per Gujarat Governments norms.

6.3.8 Industry Interaction / Collaboration

Nil

6.3.9 Admission of Students

As per Gujarat University norms.

6.4 Welfare schemes for

Teaching	Credit Society
Non teaching	Credit Society
Students	

6.5 Total corpus fund generated

Nil

6.6 Whether annual financial audit has been done Yes



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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		No	
Administrative	No		No	

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Semester-I & II external practical exams conducted by the college as an examination reform by Gujarat University.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

6.11 Activities and support from the Alumni Association

Yearly get together function of

6.12 Activities and support from the Parent – Teacher Association

Nil

6.13 Development programmes for support staff

Not as such. But as a part of continuous development, the admin staff is given support by the Principal and Faculties during ‘Special Tasks’ like UGC matters, Arrears calculations, technical writings etc.

6.14 Initiatives taken by the institution to make the campus eco-friendly

Daily Cleaning of the Water Closets.
Weakly Cleaning of the Building.
Bi-weekly Cleaning of the Campus.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Each faculty has been given at least one major responsibility.

This created the positive impact of shared

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

ATR is not prepared as such. But, Principal & Management reviews the plan of actions taken during the year.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. Promotion to research work.
2. Individual students' record about presence.

7.4 Contribution to environmental awareness / protection

Through NSS programme.
Solid-Waste management mechanism.

7.5 Whether environmental audit was conducted? No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

College conducts Blood Donation Camp, Medical Check-up camp,
Participation in Gujarat University 'Youth Festival', Oral/Poster Presentation
competition, Activities under CWDC, student support services etc.

8.Plans of institution for next year


To install CCTV in Campus
To start SMS alert for students.
Planning to start ISR programme.



Name: Dr. P. G. Acharya
Coordinator, IQAC

Name: Dr. R. R. Shah

Chairperson, IQAC


Dr. Poolesh R. Shah
Principal
K. K. Shah Jarodwala
Maninagar Science College,
Ahmedabad-380 008.

