

The Annual Quality Assurance Report (AQAR) of the IQAC

YEAR 2015-2016

**SUBMITTED
TO
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BY
M. G. SCIENCE INSTITUTE,
NAVRANGPURA, AHMEDABAD – 09.**

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

I. Details of the Institution

1.1 Name of the Institution	M. G. SCIENCE INSTITUTE
1.2 Address Line 1	DADA SAHEB MAVLANKAR CAMPUS,
Address Line 2	OPP. GUJARAT UNIVERSITY, NAVRANGPURA,
City/Town	AHMEDABAD
State	GUJARAT
Pin Code	380009
Institution e-mail address	info@mgscience.ac.in
Contact Nos.	079-26302872
Name of the Head of the Institution:	Dr. B. K. Jain
Tel. No. with STD Code:	079-26302872
Mobile:	09426024656

Name of the IQAC Co-ordinator:

Dr. R. K. Pujara

Mobile:

09824437090

IQAC e-mail address:

info@mgsience.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 18879)

GJCOGN12972

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(SC)/03/RAR/04

1.5 Website address:

www.mgsience.ac.in

Web-link of the AQAR:

<http://mgsience.ac.in/ClientView.php?menuid=55>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	86.50	2007	5 YEARS 2012
2	2 nd Cycle	A	3.14	2014	5 YEARS 2019
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

15/10/2011

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

2014-15

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)

- i. AQAR 22/10/2011 (DD/MM/YYYY)
- ii. AQAR 24/09/2012 (DD/MM/YYYY)
- iii. AQAR 08/07/2013 (DD/MM/YYYY)
- iv. AQAR 08/07/2013 (DD/MM/YYYY)

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*)

GUJARAT UNIVERSITY

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

Recipient of Grant

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. 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

2.10 No. of IQAC meetings held

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

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No
If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- Helping faculty members and students for research activities
- Streamlining the discipline of the institute
- Initiatives in the field of ICT

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
1. Networking with other institutes for higher learning 2. Inspiring departments to organise the workshops/seminars. 3. Augmenting placement cell of the institute.	1. MoU with BIOS 2. Chemistry dept organised 2 days national level seminar 3. MoU with ZYDUS Cadila

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

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	6	---	---	----
PG	2	---	----	----
UG	10	----	05	
PG Diploma	---	---	---	---
Advanced Diploma	---	---	---	---
Diploma	4	---	---	04
Certificate	2	---	---	02
Others				
Total	24		05	06
Interdisciplinary	00			
Innovative				

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	30
Trimester	
Annual	

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.

Frequent revision of syllabus as mandated by University.

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

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	57	10	47		

2.2 No. of permanent faculty with Ph.D. 32

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
									82	26

2.4 No. of Guest and Visiting faculty and Temporary faculty 02 04 07

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	03	22	10
Presented papers	03	15	04
Resource Persons	--	01	01

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

1. The use of ICT in teaching & learning
2. Live instructions during industrial visits
3. Workshops and seminars especially for students

2.7 Total No. of actual teaching days during this academic year 231

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

The University has adopted the bar-coding system to ensure the sanctity of exams.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 10 being the member of Board of studies

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 MAY – 2016	Division				
		Distinction %	I %	II %	III %	Pass %
B. SC. SEM –II	564	29.79	27.66	31.56	---	3.00
B. SC. SEM –IV	628	17.00	29.00	29.00	---	3.00
B. SC. SEM –VI	438	22.14	38.58	22.37	---	16.43
M. SC. SEM –II	50	---	---	---	---	90.00
M. SC. SEM –IV	47	4.25	59.57	25.53	---	6.38

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

- IQAC helps in regularisation of staff and students
- It also helps conduction of frequent meetings of staff members to discuss syllabus, time table, over all discipline and examination

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	02
UGC – Faculty Improvement Programme	40
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	01
Summer / Winter schools, Workshops, etc.	
Others: Faculty Development Programme (State Govt.)	05

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	24	38	---	15
Technical Staff				01

Criterion – III

3. Research, Consultancy and Extension

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

- Motivating the staff members for research activities.
- Helping the staff members for research publications.
- Encouragement for research projects.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	05		
Outlay in Rs. Lakhs		76.50		

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	2		2
Outlay in Rs. Lakhs	2.20	8.45		15.00

3.4 Details on research publications

	International	National	Others
Peer Review Journals	05	13	
Non-Peer Review Journals		01	
e-Journals	02	01	
Conference proceedings			

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	NO OF PROJECTS	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects					
Minor Projects	10	2 Year	UGC, SAC-ISRO	3820340/-	3820340/-
Interdisciplinary Projects					
Industry sponsored					
Projects sponsored by the University/ College					
Students research projects <i>(other than compulsory by the University)</i>					
Any other(Specify)					
Total					

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)
 DST-FIST

3.10 Revenue generated through consultancy

3.11 No. of conferences organised by institution.

Level	International	National	State	University	College
Number	1	1	1	2	4
Sponsoring agencies	GSBTM GUJCOST	UGC GUJCOST		DBT	DBT

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
01		01				

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

13

28

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 5 SRF Project Fellows Any other

3.21 No. of students Participated in NSS events: University level 100 State level 100

National level International level

3.22 No. of students participated in NCC events:

University level 8 State level 8

National level 02 International level

3.23 No. of Awards won in NSS: University level 40 State level

National level International level 4

3.24 No. of Awards won in NCC: University level State level

National level 02 International level

3.25 No. of Extension activities organized

University forum College forum 04

NCC 02 NSS 02 Any other

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

- Blood Donation camp
- Cleanliness Campaign under “Swachh Bharat Abhiyaan”
- 10 days NSS camp for at Bhanpur village organised with the focus on cleanliness and literacy of the village people.

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	19.3 acres	557 SQ. YARD		
Class rooms	13	03	Management	16
Laboratories	23			23
Seminar Halls	01			
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	---	04	UGC	04
Value of the equipment purchased during the year (Rs. in Lakhs)	---	7980440.00	UGC	04
Others				

4.2 Computerization of administration and library

Administrative office is full computerized where as library is partially computerized.

4.3 Library services:

	Existing		2015-16		2016-17	
	No.	Value	No.	Value	No.	Value
Text Books	663	286175/-	102	29189/-	83	28176/-
Reference Books	NIL	NIL	NIL	NIL	NIL	NIL
e-Books	Nil	Nil	Nil	Nil	Nil	Nil
Journals	13	5840/-	13	5840/-	12	5440/-
e-Journals	Nil	Nil	Nil	Nil	Nil	Nil
Digital Database	Nil	Nil	Nil	Nil	Nil	Nil
CD & Video	NIL	NIL	Nil	Nil	Nil	Nil
Others (specify)	Nil	Nil	Nil	Nil	Nil	Nil

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	120	4	1	4	---	2	10	
Added	10	1	11	---	---	---	---	
Total	130	5	12	4	---	2	10	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology

upgradation (Networking, e-Governance etc.)

Under the remedial scheme of UGC students of reserve categories and minorities are given training on MS Office, C++ etc.

4.6 Amount spent on maintenance in lakhs :	2015-16	2016-17
i) ICT	1838.00	67334.00
ii) Campus Infrastructure and facilities	Nil	Nil
iii) Equipments	Nil	14000.00
iv) Others	13015.00	36672.00
Total :	14853.00	118006.00

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Improvement in overall results and toppers
- Enhanced campus placement
- Student's counselling and guidance.

5.2 Efforts made by the institution for tracking the progression:

Not tracking the student's progression as being predominantly under graduate college.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1630	97	08	

(b) No. of students outside the state

65

(c) No. of international students

02

Men	No	%	Women	No	%
	839	48		896	51

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
778	133	148	522		1581						

Demand ratio

Dropout %

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

1. Coaching for NET 2. Remedial Courses

No. of students beneficiaries

50

5.5 No. of students qualified in these examinations

NET	02	SET/SLET		GATE		CAT	
IAS/IPS etc		State PSC		UPSC		Others	

5.6 Details of student counselling and career guidance

- Various lectures organized for the counselling and career guidance.
- Counselling from the invited experts in various fields

No. of students benefitted

65

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
02	104	22	--

5.8 Details of gender sensitization programmes

Various programmes organized by CWDC with the support of University and State Government.

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

	2015-16		2016-17	
	Number of students	Amount	Number of students	Amount
Financial support from institution	5	15070/-	2	2960/-
Financial support from government	410		470	
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

MISSION

The M.G. Science Institute is committed to impart holistic knowledge in basic, pure and applied sciences with interdisciplinary approach to students from all sections of society. We shall instill high level of moral values and scientific skills in our students so that they become enlightened individuals and improve the living standards all around. Our special endeavour will be to develop our institute as a “Centre of Excellence” in teaching, research and service in the field of science.

VISION

We, at the M.G. Science Institute envisage building a progressive learning community with scientific aptitude. We set global standards to make our students scientifically and ethically stronger, and they, in turn, will serve the nation and the human society to improve the quality of life.

6.2 Does the Institution has a management Information System

- The institute has a dynamic link with the management and frequent meetings are organised with the representatives of the management .
- Annual meeting with the governing body.

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

6.3.1 Curriculum Development

- Faculty members being the members of the board of studies contribute towards the enrichment of the curriculum.
- Taking the feedback from the industry for the enhancement of the curriculum

6.3.2 Teaching and Learning

- Students make use of technology to improve teaching and learning .
- Industry visits and field trips are arranged to impart practical training.

6.3.3 Examination and Evaluation

- Efforts are made to nurture the sanctity of examination
- Confidentiality about the examination papers maintained.

6.3.4 Research and Development

- Staff members are encouraged to participate in seminar and workshops.
- Profound institutional support for research activities both for students and staff of the institute
- Laboratory instruments are free for in house researchers

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Staff members are encouraged to use internet and projectors to deliver lectures.
- Every department along with library is having computers and wi-fi facilities to use internet.

6.3.6 Human Resource Management

- The college follows the best HR practices prevalent in the academic field.
- Welfare activities for the staff members and other stake holders are frequently organise under the guidance of the principal

6.3.7 Faculty and Staff recruitment

- Faculty and Staff recruitment are managed as per the rules of the Government of Gujarat.

6.3.8 Industry Interaction / Collaboration

- Students are frequently taken to industry visits as part of their syllabus.
- Research activities are carried out with the liberal support of the industries.
- Collaboration with industry for the campus recruitment

6.3.9 Admission of Students

Admission of students is purely on the merit and it is a centralised online process managed by the Gujarat University

6.4 Welfare schemes for

Teaching	Loan Scheme from Credit Society
Non teaching	Loan Scheme from Credit Society
Students	<ul style="list-style-type: none">• Poor Boys fund by the institute• Endowment Scholar ships from the Management• Government Scholarship Schemes• Financial support from Alumni Association

6.5 Total corpus fund generated

6213278.00 (Revenue Generated)

6.6 Whether annual financial audit has been done

Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	KCG GOVT OF GUJARAT	YES	SHETH MEHTA & CO.
Administrative	YES	KCG GOVT OF GUJARAT	YES	SHETH MEHTA & CO.

6.8 Does the University/ Autonomous College declare 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?

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

- Alumni Association make efforts for providing financial support to the poor students.
- Organising various cultural activities for the benefit of the students

6.12 Activities and support from the Parent – Teacher Association

- Meetings are organised to get the feed back from the parents about the various activities conducted at the institute
- One on one meeting with the faculty members is organised.

6.13 Development programmes for support staff

- Motivated to participate in various programmes for their career development.

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

- Collaboration with the AMC for the waste management.

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.

1. New class rooms were added to the existing infrastructure of the college.
2. Summer school organised where students from different colleges participated.
3. Online admissions streamline process.

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

1. Work shops and hands on training organized at the institute.
2. Many staff members participated in National and International level seminar.
3. Campus placement received fillip.

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

1. Summer School which provided students advanced practical training in the latest instruments
2. Counselling and guidance form the final year students for the placement.

7.4 Contribution to environmental awareness / protection

1. Cleanliness drive at different interval at the institute
2. Segregation of waste and disposal
3. No vehicle day organized,

7.5 Whether environmental audit was conducted? Yes No

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

- Dynamic relationship with the industry for the campus placement.
- Leadership in online admission process of the Gujarat University

8. Plans of institution for next year

1. Further strengthening of the Placement cell.
2. More programmes expected from NSS and NCC
3. More contribution from the staff members for the design of the syllabus
4. Looking forward towards receiving the status of CPE.

Name: Dr. R. K. Pujara

Name: Dr. B. K. Jain

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____***_____

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

Annexure I

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test

PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission
