# The Annual Quality Assurance Report (AQAR) of the IQAC <u>School of Mathematics</u>

Part – A						
1. Details of the Institution						
1.1 Name of the Institution	School of Mathematics					
1.2 Address Line 1	Vigyan Bhawan,					
Address Line 2	Takshashila campus, Khandwa					
City/Town	Indore.					
State	Madhya Pradesh					
Pin Code	452001					
Institution e-mail address	knr_k@yahoo.co.in					
Contact Nos.	0731-2467023, 0 98260 74387					
Name of the Head of the Institution:	Dr. K. N. Rajeswari					
Tel. No. with STD Code:	0731-2467023					
Mobile:	0 98260 74387					

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

Dr. K. N. Rajeswari

0 98260 74387

knr\_k@yahoo.co.in

# 1.3 NAAC Track ID (For ex. MHCOGN 18879) EC/66/RAR/146 dated 21-02-2014

1.4 Website address:

http://www.math.dauniv.ac.in/

Web-link of the AQAR:

http://www.iqac.dauniv.ac.in/UTDReports.php

# For ex. http://www.ladykeanecollege.edu.in/AQAR201213.doc

1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	Four Star		20/09/2000	"Five Years"
2	2 <sup>nd</sup> Cycle	B grade	2.57 out of 4	16/09/2008	"Five Years"
3	3 <sup>rd</sup> Cycle	А	3.09	21 .2. 2014	"Five Years"
4	4 <sup>th</sup> Cycle	N.A	N.A	N.A	N.A

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

21/11/2008

# 1.7 AQAR for the year (for example 2010-11)

2015-2016

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

- ii. AQAR\_\_\_\_\_2015-16 on \_03-09-2016\_\_\_\_\_
- iii. AQAR\_\_\_\_\_\_(DD/MM/YYY) iv. AQAR\_\_\_\_\_\_(DD/MM/YYY)

School of Mathematics AQAR-2015-16

1.9 Institutional Status	
University	State Central Deemed Private
Affiliated College	Yes No
Constituent College	Yes No
Autonomous college of UGC	Yes No
Regulatory Agency approved Inst	itution Yes No
(eg. AICTE, BCI, MCI, PCI, NCI)	
Type of Institution Co-education	
Urban	Rural Tribal
Financial Status Grant-in-	aid UGC 2(f) UGC 12B
Grant-in-ai	d + Self Financing Totally Self-financing
1.10 Type of Faculty/Programme	
Arts Science	√ Commerce Law PEI (Phys Edu)
TEI (Edu) Engineering	g Health Science Management
Others (Specify)	
1.11 Name of the Affiliating Univers	ity (for the Colleges)
1.12 Special status conferred by Cent	ral/ State Government UGC/CSIR/DST/DBT/ICMR etc
Autonomy by State/Central Gove	t. / University
University with Potential for Exc	ugc-cpe

l

DST Star Scheme	UGC-CE
UGC-Special Assistance Programme	DST-FIST
UGC-Innovative PG programmes	Any other ( <i>Specify</i> )
UGC-COP Programmes	

# **<u>2. IQAC Composition and Activities</u>**

2.1 No. of Teachers	3
2.2 No. of Administrative/Technical staff	1
2.3 No. of students	4
2.4 No. of Management representatives	
2.5 No. of Alumni	4
2. 6 No. of any other stakeholder and	
community representatives	
2.7 No. of Employers/ Industrialists	
2.8 No. of other External Experts	1
2.9 Total No. of members	13
2.10 No. of IQAC meetings held	4
2.11 No. of meetings with various stakeholders:	No. 4 Faculty 4
Non-Teaching Staff Students 4	Alumni 4 Others
2.12 Has IQAC received any funding from UGC du	nring the year? Yes No
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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 Acti	vities a	and contributio	ns mad	e by IQAC			

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
<ol> <li>Lectures by experts</li> <li>Teachers attending</li> </ol>	1.One student has cleared GATE.
<ol> <li>2. Teacher's attending conferences/seminars.</li> <li>3. Encouraging students to attend advanced academic programmes and to</li> </ol>	2. Two students were selected in the campus recruitment.
appear in various competitive exams.	

\* 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**

# **<u>1. Curricular Aspects</u>**

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	0	0	0
PG	2	0	0	0
UG				
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	3	0	0	0
Interdisciplinary				
Innovative				

#### 1.1 Details about Academic Programmes

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

Pattern	Number of programmes
Semester	3
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.

Choice Based Credit System(revised ordinance 31) has been introduced since July 2015.

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

N.A.

# **Criterion – II**

# 2. Teaching, Learning and Evaluation

2.1 Total No. of	Total	Asst. Professors	Associate Professors	Professors	Others
permanent faculty	3	0	2	1	

3

2.2 No. of permanent faculty with Ph.D.

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

Asst.		Associa	ite	Profes	sors	Others		Total	
Profes	sors	Profess	ors						
R	V	R	V	R	V	R	V	R	V
2	1	1	2	0	1	0	0	3	4

2.4 No. of Guest and Visiting faculty and Temporary faculty | 4

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended		1	
Presented papers			
Resource Persons		1	

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

2.7	Total No. of actual teaching days	218
	during this academic year	

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

3	3	3

N.A.

as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development

80%

Title of the Programme	Total no. of students	Division				
Trogramme	appeared	Distinction %	I %	II %	III %	Pass %
M.Sc.	39	16	18	04		
M.Phil.	0					
Ph.D.	0					

2.11 Course/Programme wise distribution of pass percentage :

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

Through feedback from students, Students' performance in class and examinations.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
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	2	1	0	0
Technical Staff	1	0	0	0

# **Criterion – III**

# **3.** Research, Consultancy and Extension

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

Teachers are encouraged to attend conferences, seminars etc.

#### 3.2 Details regarding major projects

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

#### 3.3 Details regarding minor projects

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

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	2	1	
Non-Peer Review Journals			
e-Journals			
Conference proceedings	5		

3.5 Details on Impact factor of publications:

Range	Average	h-index	Nos. in SCOPUS	
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# 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

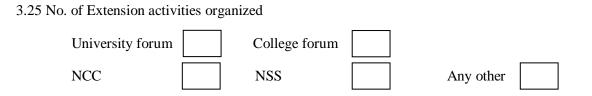
Nature of the Project	Duration	Name of the	Total grant	Received
Nature of the Project	Year	funding Agency	sanctioned	
Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the				
University/ College				
Students research projects (other than compulsory by the University)				
Any other(Specify)				
Total				

3.7 No. of books published	i) With ISE	BN No.	0	Chapters	in Edited	l Books	0
3.8 No. of University Depart	ii) Without						
	JGC-SAP		CAS [		DST-FI DBT So	ST cheme/fun	nds
-	NSPIRE		CPE CE			ar Scheme her (speci	
3.10 Revenue generated thro	ough consulta	ancy	Nil				
3.11 No. of conferences	Level	Int	ternational	National	State	Univers	ity College
organized by the Institution	Number Sponsori agencies	ng					
3.12 No. of faculty served as	s experts, cha	airperson	is or resou	rce persons	1		
3.13 No. of collaborations	Iı	nternatio	nal	National		Any o	other
3.14 No. of linkages created	during this	year		]			
3.15 Total budget for research	ch for curren	t year in	lakhs :	1			
From Funding agency		From I	Manageme	ent of Univer	sity/Coll	lege	
3.16 No. of patents received	l this year	Type of National Internation	1	Applied Granted Applied Granted	Nu	mber	

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	]	
3.18 No. of faculty from the Institution       2         who are Ph. D. Guides       2         and students registered under them       4         3.19 No. of Ph.D. awarded by faculty from the Institution									
3.20 N	lo. of Re	esearch scholars	s receiving	the Fell	lowships (New	wly em	rolled + ex	tisting ones)	
		JRF 0	SRF	0	Project Fel	llows	0	Any other 4	
3.21 N	Io. of st	udents Participa	ted in NSS	events	:				
					Universit	y level		State level	
					National 1	level		International level	
3.22 N	Io. of st	udents participa	ted in NCC	c events	:				
					Universit	ty leve	1	State level	
					National	level		International level	
3.23 N	lo. of A	wards won in N	NSS:						
					Universit	y level		State level	
					National	level		International level	
3.24 N	lo. of A	wards won in N	NCC:						
					Universit	y level		State level	
					National 1	level		International level	



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

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# 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				
Class rooms	2			
Laboratories	1			
Seminar Halls	0			
No. of important equipments purchased (≥ 1-0 lakh) during the current year.		4 computers + An Inverter 4.00 lacs	UGC XII plan Equipment Grant. UGC XII	5 4.00 lacs
Value of the equipment purchased during the year (Rs. in Lakhs)		4.00 facs	plan Equipment Grant.	4.00 lacs
Others	1 photo copier	1 photo copier	UGC XII plan Equipment Grant.	2

#### 4.2 Computerization of administration and library

Automation of library is in progress.

#### 4.3 Library services:

	Exi	Existing		v added	Total		
	No.	Value	No.	Value	No.	Value	
Text Books	1532		26	-	1558		
Reference Books							
e-Books							
Journals							
e-Journals							

Digital Database				
CD & Video				
Others (specify) (NBHM complimentary copies)		43	43	

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
Existing	24	1						
Added	4	0						
Total	28	1						

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

upgradation (Networking, e-Governance etc.)

- 4.6 Amount spent on maintenance in lakhs :
  - i) ICT
  - ii) Campus Infrastructure and facilities
  - iii) Equipments
  - iv) Others

Total :

# Criterion – V 5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Career guidance to students like employment opportunities, advanced training programmes etc.,

5.2 Efforts made by the institution for tracking the progression

Through Alumni.

5.3 (a) Total Number of st	udents	UG	PG	Ph. D.	Others
		0	86	04	00
(b) No. of students out	side the state	e	03		
(c) No. of international	students		00		
Men No %	Women		No	D %	
Lost V	ar(2015, 16)				This Voo

Last Year(2015-16)					This Year(2016-17)						
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST		Physically Challenged	Total
31	16	11	28	0	80	31	9	9	34	0	83

\* First year admissions are in process.

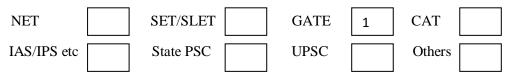
Demand ratio 1:2(seats:applications) Dropout % 10

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



5.6 Details of student counselling and career guidance

Career guidance to students like employment opportunities, advanced training programmes etc.,				
No. of students benefitted	1			

5.7 Details of campus placement

	On campus					
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed			
2	25	2				

5.8 Details of gender sensitization programmes



#### 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 participat	ted 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	2	10,000
Financial support from government	31	4,70,050
Financial support from other sources	2	-
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

Vision: Enhance career opportunities of students by making curriculum skill oriented and prepare students to meet challenges in the field.

Mission: *Making curriculum skill oriented and prepare students* to meet challenges in the field of Mathematics.

6.2

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

6.3.1 Curriculum Development

Referring more e-resourses and adopting material from new books.

6.3.2 Teaching and Learning

Encouraging student participation in class and giving exercises to implement the theory taught.

6.3.3 Examination and Evaluation

Making question papers more problem oriented.

6.3.4 Research and Development

Asking teachers to publish articles in peer reviewed journals.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Acquiring recent books, of standard publishers, on topics covered under curriculum.

6.3.6 Human Resource Management

- 6.3.7 Faculty and Staff recruitment
- 6.3.8 Industry Interaction / Collaboration

6.3.9 Admission of Students

By improving the quality of entrance examination question paper.

6.4 Welfare schemes for

Teaching	
Non teaching	
Students	

Yes

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done

No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Experts from other universitites	Yes	Departmental IQAC committee.
Administrative				

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

For UG Programmes	For	UG	Programmes
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No	Γ
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For PG Programmes	
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Yes

Yes

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  $colleg^{c^2}$ 

6.11 Activities and support from the Alumni Association

Alumni Association assists department as and when required.

6.12 Activities and support from the Parent – Teacher Association

6.13 Development programmes for support staff

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

# **Criterion – VII**

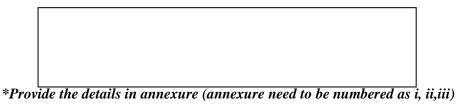
# 7. <u>Innovations and Best Practices</u>

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

*Use of e-resources has positive impact.* 

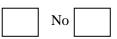
7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

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



7.4 Contribution to environmental awareness / protection

7.5 Whether environmental audit was conducted?



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

Yes

# 8. Plans of institution for next year

*Organizing National Seminars/Guest lectures on recent advances in the subject. Improve infrastructural facilities.* 

Name Dr. Mahesh N. Dumaldar the Coordinator, IQAC Name Dr. K. N. Rajeswari the Chairperson, IQAC

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