3   School of Mathematics (MATH)
The Annual Quality Assurance Report (AQAR) of the IQAC
School of Mathematics: Academic Year 2013-14
Part – B

Criterion – I

1. 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	0	0	0
PG	2	0	0	0
UG				
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	3	0	0	0

Interdisciplinary				
Innovative				

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*   Alum [√]   Parents [ ]   Employer [ ]   Students [√]
    (On all aspects)

        Mode of feedback   :   Onlin [ ]   Man [√]   Co-operating schools (f[ ]
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.

> Syllabaii of M.Sc. & M. Phil. were revised in July 2013.

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 permanent

Total	Asst. Professors	Associate Professors	Professors	Others
3	0	2	1	3

faculty

2.2 No. of permanent faculty with Ph.D. | 3 |

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
2	1	1	2	0	1	0	0	3	4

2.4 No. of Guest and Visiting faculty and Temporary fac | 3 | | | | |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended		3	
Presented			
Resource Persons		2	

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

2.7 Total No. of actual teaching days   184
       during this academic year

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

2.9 No. of faculty members involved in curriculum | 3 | 3 | 3 |
       restructuring/revision/syllabus development
       as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students   85%

2.11 Course/Programme wise

   distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.Sc.	35	08	24	01		
M.Phil.	4					
Ph.D.	0					

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

Organising and participating seminars, workshops and conferences on recent trends in Mathematics.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

3.4   Details on research publications

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

3.5 Details on Impact factor of publications:

Range [ ]   Averag [0.7]   h-in [ ]   Nos. in SC[ ]

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				
Interdisciplinary Projects				
Industry sponsored				

Projects sponsored by the University/ College				
Students research projects *(other than compulsory by the University)*				
Any other(Specify)				
Total				

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3.7 No. of books published   i) With ISBN No [____]   Chapters in Edited [____]

ii) Without ISBN No. [____]

3.8 No. of University Departments receiving funds from

UGC-SAP [____]   [____] CAS   DST-F [____]

DPE [____]   DBT Scheme/funds [____]

3.9 For colleges   Autonor [____]   C [____]   DBT Star Sch [____]

INSPIR [____]   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		2			
Sponsoring agencies		UGC			

3.12 No. of faculty served as experts, chairpersons or resource pers [1]

3.13 No. of collaborations   International [____]   Nationa [____]   Any oth [____]

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

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

3.18 No. of faculty from the Institution
     who are Ph. D. Guides   [2]
     and students registered under them   [3]

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 [   ]   Pr[   ]ellows   Any [   ]
other

3.21 No. of students Participated in NSS events:

                    University level [   ]   State level   [   ]

                            Natio[   ]vel   [   ]
International level

3.22 No. of students participated in NCC events:

University level ☐   State level ☐

National level ☐

International level

3.23 No. of Awards won in NSS:

University level ☐   State level ☐

National level ☐

International level

3.24 No. of Awards won in NCC:

University level ☐   State level ☐

National level ☐

International level

3.25 No. of Extension activities organized

University forum ☐   College forum ☐

NCC ☐   NSS ☐   Any ☐

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

-
-

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.				
Value of the equipment purchased during the year (Rs. in Lakhs)				
Others				

4.2 Computerization of administration and library

Automation of library is in progress.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	1410		10	-	1420	
Reference Books						
e-Books						
Journals						
e-Journals						
Digital Database						
CD & Video						
Others (specify)						

4.4 Technology up gradation (overall)

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

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

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│                                          │
│                                          │
│                                          │
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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

5.2 Efforts made by the institution for tracking the progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
0	92	03	06

(b) No. of students outside the state

| 10 |

(c) No. of international students

| 00 |

Men

No	%

Women

No	%

	Last Year(2013-14)						This Year(2014-15)				
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
33	7	7	38	0	85	48	18	9	26	0	101

Demand ratio   1:3(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

NET | 1 | SET/SLET | | GATE | 1 | CAT | |

IAS/IPS etc [   ]   State PSC [   ]   UPSC [   ]   Oth [   ]

5.6 Details of student counselling and career guidance

[   ]

No. of students benefitted [   ]

5.7 Details of campus placement

	On campus		*Off Campus*
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
1	25	4	

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 leve [   ]   National le [   ]   International l [   ]

      No. of students participated in cultural events

      State/ University leve [   ]   National le [   ]   International l [   ]

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

Sports : State/ University level [   ]   National level [   ]   International [   ]

Cultural: State/ University level [   ]   National level [   ]   International [   ]

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution		
Financial support from government	37	4,11,612
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 [   ]

Exhibition: State/ University level [   ]   National level [   ]   International [   ]

5.12   No. of social initiatives undertaken by the students [1]

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 Does the Institution has a management Information System

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

6.3.4 Research and Development

Asking teachers to publish articles in peer reviewed journals.

6.3.5 Library, ICT and physical infrastructure / instrumentation

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.

6.4 Welfare schemes		for
Teaching		
Non teaching		
Students		

6.5 Total corpus fund 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

Administrative

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?

[   ]

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

[   ]

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

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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.

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                    Use of e-resources has positive impact.
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7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the
    beginning of the year

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

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

7.4 Contribution to environmental awareness / protection

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7.5 Whether environmental audit was conducted? ☐ ☐

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

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│   │
│   │
│   │
└───┘

8. **Plans of institution for next year**

┌───┐
│ *Organizing National Seminars on recent advances in the subject.* │
│   │
│ *Improve infrastructural facilities.*   │
│   │
└───┘

Name _____   *Name*
_____

        _____
_____

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

_____***_____

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

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