

The Annual Quality Assurance Report (AQAR) of the IQAC
School of Statistics

Part – A

1. Details of the Institution

1.1 Name of the Institution

School of Statistics

1.2 Address Line 1

Vigyan Bhavan, Takshila Campus

Address Line 2

Khandwa Road, DAVV

City/Town

INDORE

State

MADHYA PRADESH

Pin Code

452017

Institution e-mail address

Contact Nos.

0731-2462003

Name of the Head of the Institution:

Dr. SHAKTI BANERJEE

Tel. No. with STD Code:

0731-2462003

Mobile:

+919893010079

Name of the IQAC Co-ordinator:

Dr. Snigdha Banerjee

Mobile:

+919685036270

IQAC e-mail address:

bans.1@rediffmail.com

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

1.4 Website address:

www.stat.dauniv.ac.in

Web-link of the AQAR:

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

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 st Cycle	“B”	Four Star	2000	“Five Years”
2	2 nd Cycle	“B”	2.57	2008	“Five Years”
3	3 rd Cycle	“A”	3.09	2014	“Five Years”
4	4 th Cycle	NA	NA	NA	NA

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

21/11/2008

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

2015-16

1.8 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 _____ 2014-15 on 31-07-2015 _____
- ii. AQAR _____ 2015-16 on _03-09-2016 _____
- iii. AQAR _____ (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

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 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

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

SPSS

1.11 Name of the Affiliating University (for the Colleges)

None

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence None

UGC-CPE None

DST Star Scheme	<input type="text" value="None"/>	UGC-CE	<input type="text" value="None"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other (Specify)	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="02+ (05 Guest)"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="04+04"/>
2.3 No. of students	<input type="text" value="58"/>
2.4 No. of Management representatives	<input type="text" value="NA"/>
2.5 No. of Alumni	<input type="text"/>
2.6 No. of any other stakeholder and Community representatives	<input type="text" value="NA"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="01"/>
2.8 No. of other External Experts	<input type="text" value="NA"/>
2.9 Total No. of members	<input type="text" value="02"/>
2.10 No. of IQAC meetings held	<input type="text"/>
2.11 No. of meetings with various stakeholders:	No. <input type="text" value="-----"/> Faculty <input type="text" value="-----"/>
Non-Teaching Staff	<input type="text" value="-----"/>
Students	<input type="text" value="-----"/>
Alumni	<input type="text" value="-----"/>
Others	<input type="text" value="-----"/>
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, mention the amount	<input type="text"/>

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

- | |
|---|
| <ol style="list-style-type: none"> 1. Seminar and Workshop 2. Curriculum Activities 3. Social 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
<ul style="list-style-type: none"> • Career oriented activities for student and staff • To develop the social and moral values • Other Activities 	<p>Seminar based on Software Programme (SPSS)</p> <p>Awareness programmes on save environment and plantation</p> <p>Training programme</p> <p>Motivation programme</p>

* 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****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	01	NA	NA	
PG	02	NA	NA	NA
UG	NA	NA	NA	NA
PG Diploma	NA	NA	NA	NA
Advanced Diploma	NA	NA	NA	NA
Diploma	NA	NA	NA	NA
Certificate	NA	NA	NA	NA
Others	NA	NA	NA	NA
Total	03	NA	NA	NA
Interdisciplinary	NA	NA	NA	NA
Innovative	NA	NA	NA	NA

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	2
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.

NA

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

NA

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	02			02	

2.2 No. of permanent faculty with Ph.D.

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
		02		01		01	01	01	01	05

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended			
Presented papers	7	1	
Resource Persons			

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

2.7 Total No. of actual teaching days 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)

Test and evaluated copies are shown to the students and they return it after signature. Name of the External examiner in Comprehensive Viva-Voce is appointed by Vice Chancellor, DAVV, Indore

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

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2.10 Average percentage of attendance of students

75%

2.11 Course/Programme wise distribution of pass percentage : Year 2015-16

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.Sc. (Previous)	29	04	17	09	01	93%
M.Sc. (Final)	20	04	15	02	3 (ATKT)	100%
M.Phil	Nil	Nil	Nil	Nil	Nil	Nil

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

- 1. Department manage every year I, II Tests and end semester examination.**
- 2. Without any obstacle department arrange the classes, extra classes with guest faculty on proper time for the future of student.**
- 3. The teachers teach students different subject to come out the skillness and the self preparation for their future .**
- 4. IQAC report evaluate and contribute in many ways to manage the uneven conditions refresh the mechanisms of teaching learning and evaluation of the department.**

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	None
UGC – Faculty Improvement Programme	None
HRD programmes	None
Orientation programmes	None
Faculty exchange programme	None
Staff training conducted by the university	None
Staff training conducted by other institutions	None
Summer / Winter schools, Workshops, etc.	None
Others	None

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	4			
Technical Staff	4			

Criterion – III

3. Research, Consultancy and Extension

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

Library, Computer Lab, Extra Guest Faculty, Well Settled Class Room, Extra Classes for Research Students, Project Presentation for Promoting Research Climate in the Institute.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number			/	
Outlay in Rs. Lakhs	/		None	

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number			/	
Outlay in Rs. Lakhs	/		None	

3.4 Details on research publications

1. Dr. Shakti Banerjee

Research Publication

(1) (With Bharti Agrawal)

"Some Constructions of 3-Resolvable 2-Associate PBIB designs"

Elixir Statistics 93C (2016), 39807-39813 ISSN: 2229-712X

(2) (With Rashmi Awad)

Some Constructions of A-optimum, variance and Efficiency Balance Weighing Designs.

International Journal of Scientific and Innovative Mathematical Research (IJSIMR), volume 3, Issue 8, August 2015 (1-10), ISSN 2347-307X and ISSN 2347-3147 (online)

(3) (With Bharti Agrawal and Rashmi Awad)

Some Constructions of Affine Resolvable Designs with unequal Block Sizes.

International Journal of Engineering Innovation and Research, volume 5, Issue 1 (2016), PP-97-102 ISSN : 2277-5668

2. Dr. Snigdha Banerjee

A. **Research papers: 5** (Including 1 book chapter in Internatioanal publication , 1 paper accepted and in press).

(i) Publications

1. **Snigdha Banerjee** and Jalaj Katare (2016) “A Quality Assessment Index for Evaluation of District e-Governance Web Sites”, International Journal of electronic governance, Accepted & In Press.
2. Jalaj Katare, **Snigdha Banerjee**, Sandeep Kumar Malu and Rajesh Gupta (2015), “A Comparative Study of E-Governance Portals of Two Districts of Madhya Pradesh” Proceedings of the 6th PIMG International Conference on “**Creative and Innovative Excellence for World in Motion**”, 10-12 January, 2015, Gwalior, India. Vol. 2, Pp 305-317. ISBN number: 978-93-85000-49-2.

3. Book Chapter:

N. Sanjib Meitei and **Snigdha Banerjee** (2016), “Application of Simulation Techniques: Reducing the “Givens” and “Approximations” in the Analysis of Stochastic Inventory Models”, Chapter 14 Pp268-299 DOI: 10.4018/978-1-4666-9888-8.ch014 in *Optimal Inventory Control and Management Techniques*, Eds Mandeep Mittal and Nita H. Shah , **Published in the United States of America by Business Science Reference.** (an imprint of IGI Global) ISBN: 978-1-4666-9888-8 eISBN: 978-1-4666-9889-5.

(ii) Conference Papers

1. Jalaj Katare and **Snigdha Banerjee** (2016) “Assessment and Benchmarking of Municipal e- Governance websites of Madhya Pradesh using Esteves Index” Presented at “Xth **International Conference** on Quality Education, Entrepreneurship and Exemplary Business Practices for social change” held at and organized by Prestige Institute of Management and Research , Indore 6,7 February 2016.
2. Vaishali Maheshwari, D.T. Manwani and **Snigdha Banerjee** (2016) “ Identification of constraints to productivity optimization in central India’s SME manufacturing sector” Presented at “Xth **International Conference** on Quality Education, Entrepreneurship and Exemplary Business Practices for social change” held at and organized by Prestige Institute of Management and Research , Indore 6,7 February 2016

B. Honours:

(i) Workshop Convener:

Convenor of **International workshop on Statistical Skills** at 1st International Young Scientists Congress(8,9 august 2015) organized by International Science Congress Association at Maharaja Ranjit Singh College of Professional Studies, Indore.

(ii) Plenary Session Talk (8 August 2015)

“Data Big and Small: An Overview of Statistical Methods for Data Analysis in Different Fields” at “International Workshop on Statistical Skills” 1st International Young Scientists Congress(8,9 august 2015),International Science Congress Association Maharaja Ranjit Singh College of Professional Studies, Indore.

• **M.Sc. Projects:**

M.Sc. IVth Sem. Projects Submitted = 25

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				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College		None		
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)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number					
Sponsoring agencies	None				

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

Type of Patent		Number
National	Applied	/
	Granted	
International	Applied	None
	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
05				✓		

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 State level
 National level 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 other

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	02			02
Laboratories	01			01
Seminar Halls				
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

Yes

4.3 Lib

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	963	1,46,202	114	226740	1077	3,72,942.00
Reference Books	110	2,67,025	06	40183.46	116	3,07,208.46
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	Departments	Others
Existing	13	01	LAN	IT Centre	DAVV			
Added	Nil	Nil						
Total	13	01						

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

IT Centre&Computer Centre

4.6 Amount spent on maintenance in lakhs :

i) ICT	1,61,913/-
ii) Campus Infrastructure and facilities	1,15,000/-
iii) Equipments	1,51,231/-
iv) Others	76,183/-
Total :	5,04,327/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Every year we prepare our schedule and programme of syllabus and study for the newly admitted candidates semester wise so it will make a good pathway for the students.

5.2 Efforts made by the institution for tracking the progression

Seminars, Workshops and conferences arranged by the department extra classes arrange the teachers for career of the students

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
NA	53	06	Nil

(b) No. of students outside the state

02

(c) No. of international students

Nil

Men

No	%

Women

No	%

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
24 (Ph.D. 08)	06 (Ph.D. 08)	01	19		50	22 (Ph.D. 06)	06 (Ph.D. 06)	Nil	23		50

Demand ratio 2/53

Dropout % 16%

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

1. Internet is available
2. Ph.D. examination for the student support
3. Preparation for placement

No. of students beneficiaries

5.5 No. of students qualified in these examinations

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

5.6 Details of student counselling and career guidance

Department advised students for competitive examinations, to join the placement, PSC and Ph.D. entrance examinations.

No. of students benefited

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
IIPS	08		

5.8 Details of gender sensitization programmes

Each and every student is sincere to attend the class every day they are on right time and nobody is involve in anti departmental activity because of their busyness in routine work of the teaching like project work, joining of computer lab and preparation of examinations.

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	14 (OBC-11 SC-03)	3,84,388/-
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:

_____None_____

Criterion – VI**6. Governance, Leadership and Management**

6.1 State the Vision and Mission of the institution

For better collection of statistical data the department tried to make a good mature and slightly complete student

6.2 Does the Institution has a management Information System

None

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

6.3.1 Curriculum Development

As approved by the UGC rules (Syllabus Expert Committee)

6.3.2 Teaching and Learning

Teachers are sincere, Tests and examinations on time, Computer lab, projectors and best equipments are in good conditions and make a surrounding area for teaching and learning

6.3.3 Examination and Evaluation

As per UGC norms examinations on the basis of gradation after the examination teachers scrutinized and evaluate the gradation of the result every semester

6.3.4 Research and Development

For a good research work department allowed the students to study in our library and in our computer lab and permit the students whatever they wants to collect the references and data

6.3.5 Library, ICT and physical infrastructure / instrumentation

Departmental committee purchase the new required books for students other required furniture's and infrastructure of the departmental class rooms and sitting arrangement is good. Departmental Computer lab with LAN and Wi-Fi internet system

6.3.6 Human Resource Management

6.3.7 Faculty and Staff recruitment

1. Professor and Head Dr. Shakti Banerjee
2. Dr. Snigdha Banerjee, Professor

Guest Faculty

1. Mr. K.B. Rajole, Retd. Professor
2. Mrs. Sunita Khurana
3. Mr. Jalaj Katare

6.3.8 Industry Interaction / Collaboration

6.3.9 Admission of Students

Admissions are on the basis of entrance examinations for M.SC. /M.A., M.Phil and Ph.D. after graduation

6.4 Welfare schemes

Teaching	Refresher Programmes
Non teaching	Up gradation Programmes
Students	UGC fellowship Placement

for

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			Yes	

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?

To make a good result department/University manage recruitment tests within semester before the end semester examination and after it the teachers scrutinize the copies as a soon as possible as a sieve to prepare a good result for student future

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

All the parents of the student are supporting the departmental activities and teachers also help the student to make a better future

6.13 Development programmes for support staff



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

Department involves in plantation activities in DAVV organisation committee to make a good and socio environmental ecosystem for preparation of natural activities in our surrounding environment for better human being health

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.

Department involves our student to attend the different activities like procession, Plantation, group discussion availability of Computer lab to know the world activities through LAN, Wi-Fi systems

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*)

1. Department every year admits new M.Sc. and Ph.D. Students and fellows through a proper channel(Entrance Examination)
2. Daily classes of relevant subjects are on proper time I,II Test and End Semester examinations as per syllabus approved by the DAVV on proper time

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

7.4 Contribution to environmental awareness / protection

Department participates and shares the functions arranged by DAVV of environmental awareness/protections with the students

7.5 Whether environmental audit was conducted? Yes No

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

Each Course like M.Sc. /M.A., M.Phil and Ph.D. which are running in this department are oriented and much more beneficial to make full truth life of a person

8. Plans of institution for next year

M.Sc. (Statistics) Entrance Examination, Ph.D. Course Work, M.Phil. in Statistics will be smoothly run, Placements for M.Sc. Students

Name _____

Name _____

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC
