

The Annual Quality Assurance Report (AQAR) of the IQAC
School of Data Science and Forecasting
(Formerly known as School of Future Studies and Planning)

Part – A

1. Details of the Institution

1.1 Name of the Institution

School of Data Science and Forecasting
(Formerly known as School of Future Studies and Planning)

1.2 Address Line 1

Devi Ahilya Vishwavidyalaya

Address Line 2

Takshashila Parisar, Khandwa Road,

City/Town

Indore

State

Madhya Pradesh

Pin Code

452001

Institution e-mail address

head.dsf@dauniv.ac.in

Contact Nos.

0731-2470330

Name of the Head of the Institution:

Dr. V.B. Gupta

Tel. No. with STD Code:

0731-2470330

Mobile:

+91 99933 50547

Name of the IQAC Co-ordinator:

Vandit Hedau

Mobile:

+91 98277 41918

IQAC e-mail address:

vandit.dsf@dauniv.ac.in

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

1.4 Website address:

<http://www.dsf.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 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				

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 _____ Feb 2013 June 2013 _____ (DD/MM/YYYY)4
 ii. AQAR _____ 2013-14 _____ (DD/MM/YYYY)
 iii. AQAR _____ 2014-15 _____ (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)

1.11 Name of the Affiliating University (for the Colleges)

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

Autonomy by State/Central Govt. / University

State

University with Potential for Excellence

UGC-CPE

DST Star Scheme

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

2.2 No. of Administrative/Technical staff

1

2.3 No. of students

2

2.4 No. of Management representatives

0

2.5 No. of Alumni

2

2.6 No. of any other stakeholder and
community representatives

0

2.7 No. of Employers/ Industrialists

0

2.8 No. of other External Experts

1

2.9 Total No. of members

8

2.10 No. of IQAC meetings held

3

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: 1

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- Student Carrier counselling and carrier guidance
- Student activity support system

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

* 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	1	0	0	0
PG	2	0	0	0
UG	0	0	0	0
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	0
Others	0	0	0	0
Total	3	0	0	0
Interdisciplinary	3	0	0	0
Innovative	1	0	0	0

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	2
Trimester	0
Annual	0

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.

The curriculum of the M.Tech. programmes revised by incorporating subjects related with Data Science.

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

Name of the School has been changed.

Criterion – II**2. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty

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

2.2 No. of permanent faculty with Ph.D.

1

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
1	0	1	1	0	0	0	0	2	1

2.4 No. of Guest and Visiting faculty and Temporary faculty

0

1

1

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	1	4	0
Presented papers	1	4	0
Resource Persons	0	1	0

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

- Application oriented teaching.
- Assignments on real life problems.
- More use of ICT in teaching.

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

188

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

Multiple Choice questions, Assignments and presentations are the part of examination

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

2

1

0

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 %
M-Tech(FSP)	14	43	57	0	0	100
M-Tech(SM)	42	25	58	0	0	83

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

Continuous Monitoring and evaluation. Feedback mechanism.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	0
UGC – Faculty Improvement Programme	0
HRD programmes	0
Orientation programmes	0
Faculty exchange programme	0
Staff training conducted by the university	0
Staff training conducted by other institutions	0
Summer / Winter schools, Workshops, etc.	1
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	5	0	2
Technical Staff	0	0	0	0

Criterion – III

3. Research, Consultancy and Extension

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

Faculty and student were motivated for research. Research papers were published in different journals, National and international conferences.

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	1	0
Outlay in Rs. Lakhs	0	0	1.0	0

3.4 Details on research publications:

	International	National	Others
Peer Review Journals	0	0	0
Non-Peer Review Journals	1	1	0
e-Journals	7	0	0
Conference proceedings	4	2	0

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	0	-	-	-
Minor Projects	0	-	-	-
Interdisciplinary Projects	0	-	-	-
Industry sponsored	0	-	-	-
Projects sponsored by the University/ College	1	DAVV	1.00	0
Students research projects <i>(other than compulsory by the University)</i>	0	-	-	-
Any other(Specify)	0	-	-	-
Total	1	-	1.00	0

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 : Nil

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	0	0	0	0	0
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 : Nil

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	0
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

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

Total	International	National	State	University	Dist	College
0	0	0	0	0	0	0

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

1

6

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

6

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones): Nil

JRF

0

SRF

0

Project Fellows

0

Any other

7 Gate Scholarships

Received from
AICTE

3.21 No. of students Participated in NSS events: Nil

University level

0

State level

0

National level

0

International level

0

3.22 No. of students participated in NCC events: Nil

University level

0

State level

0

National level

0

International level

0

3.23 No. of Awards won in NSS: Nil

University level

0

State level

0

National level

0

International level

0

3.24 No. of Awards won in NCC: Nil

University level

0

State level

0

National level

0

International level

0

3.25 No. of Extension activities organized: 2

University forum	<input type="text" value="0"/>	College forum	<input type="text" value="2"/>		
NCC	<input type="text" value="0"/>	NSS	<input type="text" value="0"/>	Any other	<input type="text" value="0"/>

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

- Plantation
- Scientific temper

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	4			4
Laboratories	2			2
Seminar Halls	1			1
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

Library and administration are fully computerized

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	1325	604000				
Reference Books	140	155000				
e-Books	25	0	25	0		
Journals						
e-Journals						
Digital Database						
CD & Video	10	5000		500	10	5500
Others (specify)						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	50	2	20	IT Centre	0	1	0	0
Added	0	0	0	0	0	0	0	0
Total	50	2	20	0	0	1	0	0

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

Special Guest Lecture on Data Analytics and Cloud Computing

4.6 Amount spent on maintenance in lakhs :

i) ICT	0.5
ii) Campus Infrastructure and facilities	0.25
iii) Equipments	0.5
iv) Others	2.00
Total :	3.25

Criterion – V**5. Student Support and Progression**

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Student counselling and guidance to the student is enhancing awareness about Student Support Services

5.2 Efforts made by the institution for tracking the progression

Student feedback is used for tracking the progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
0	41	20	0

(b) No. of students outside the state

6

(c) No. of international students

Nil

Men	No	%
	21	51

Women

No	%
20	49

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total

Demand ratio

Dropout %

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

No

No. of students beneficiaries

0

5.5 No. of students qualified in these examinations

NET

SET/SLET

GATE

2

CAT

IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

Guidance and counselling is provided to the students for academic improvement and project placements.

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
	18	4	16

5.8 Details of gender sensitization programmes:Nil

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events: Nil

State/ University level National level International level

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

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	0	0
Financial support from government		
Financial support from other sources	8	1190400
Number of students who received International/ National recognitions	0	0

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: _Nil_____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision:

School of Data Science and Forecasting strives to become a globally reputed academic and research school in the area of Data Science by offering excellent interdisciplinary academic programmes and research activities applicable to diverse systems.

Mission:

The mission of the School of Data Science and Forecasting is to assist the society and the organizations in designing policies, strategic planning, decision making, and solving complicated problems. To realize the mission, the school:

- Provides an opportunity to the students and researchers to unlock insights hidden in large data sets.
- Enriches the students with a set of skills, knowledge and attitudes that permits them to succeed and thrive as Data Scientists.
- Provides the unique multidisciplinary approach where domain specific knowledge is used to truly understand the power and limitations of data.
- Provides consultancy services.

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

The curriculum of the Both M.Tech. Courses was modified

6.3.2 Teaching and Learning

- Application oriented teaching.
- Use of multimedia tools in teaching
- Identification of advanced and slow learners
- Engagement of advanced learners in advanced topics/ research.
- Conducting remedial classes for slow learners.
- Transparency in the evaluation process
- Measures to ensure confidentiality in evaluation

6.3.3 Examination and Evaluation

As per university revised ordinance no . 31

6.3.4 Research and Development

- Teachers will be motivated for getting funded R&D projects, consultancy assignments, and publishing research papers in quality journals.
- Teachers will be given incentives for membership of professional bodies.
- The school will organize conference, seminars and workshops for teachers and students.
- Industry-institute linkage will be developed.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- All classrooms shall be ICT enabled.
- Wi-Fi facility
- Departmental Library – Latest paper books and e-books will be purchased.
- The laptops purchased for the teachers.

6.3.6 Human Resource Management

As per UGC Guide line teacher were allotted the teaching load .

6.3.7 Faculty and Staff recruitment

As per university direction

6.3.8 Industry Interaction / Collaboration

CSIR laboratories-NISTADS, Centre for Mathematical Modelling and Computer Simulation, AMPRI IIMs-Indore, Kolkata. MANIT, Bhopal. Genesis Technology Indore.

6.3.9 Admission of Students

M.Tech. in Future Studies and Planning:

Eligibility: At least 55% aggregate marks in B.E./B.Tech. in any branch of Engineering or Masters degree in Physics / Mathematics/ Statistics / Computer Science or any other equivalent degree. Relaxation of 5% marks in eligibility for sponsored/ SC/ ST candidates. Maximum age limit is 27 years as on July 1 of the admission year. No age limit for female / sponsored candidates. Relaxation in age for SC/ST/OBC/PH candidates is 3 years.

For sponsored candidates minimum two years working experience after qualifying degree is required. The sponsored candidates have to submit a certificate from the employer on the prescribed Performa.

M.Tech. in Systems Management

Eligibility: At least 55% aggregate marks in B.E./B.Tech. in any branch of Engineering or Masters degree in Physics / Mathematics/ Statistics / Computer Science or M.C.A. or any other equivalent degree. Relaxation of 5% marks in eligibility for sponsored/ SC/ ST candidates. Maximum age limit is 27 years as on July 1 of the admission year. No age limit for female / sponsored candidates. Relaxation in age for SC/ST/OBC/PH candidates is 3 years.

For sponsored candidates minimum two years working experience after qualifying degree is required. The sponsored candidates have to submit a certificate from the employer on the prescribed Performa.

6.4 Welfare schemes for

Teaching	No
Non teaching	No
Students	Sports and cultural event

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			√	DAVV
Administrative			√	DAVV

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?

Exam schedule is declared in the starting of the semester
Questions papers are developed at most one day before the examination.
The envelop containing the question papers is sealed and opened by the

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

Not Applicable

6.11 Activities and support from the Alumni Association

The Alumni is connect to the school through social networking site and continous feed and opportunity is shared by them.

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. 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.

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*)

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

7.4 Contribution to environmental awareness / protection

7.5 Whether environmental audit was conducted? Yes No

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

8. Plans of institution for next year

Name _____

Name _____

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____***_____