

National Webinar on

Filling Up Online AQAR as per RAF: Development and Application of Quality Benchmark

CRITERION III

RESEARCH, INNOVATION AND EXTENSION







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OUT LINE



Quality and AQAR

Metric-wise discussion

Q and A

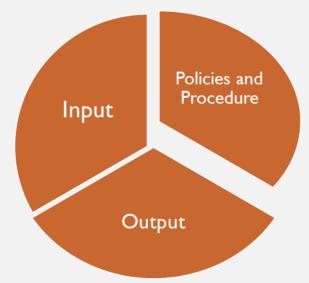


QUALITY??



Quality improvement is not a one time phenomenon. Quest for excellence is a continuous and perennial pursuit.

Annual Quality Assurance Report





Criterion III Research, Innovation and Extension

Resource Mobilization for Research

Innovation Ecosystem

Research Publications and Awards

Extension Activities

Collaborations

Policies, practices and outcomes

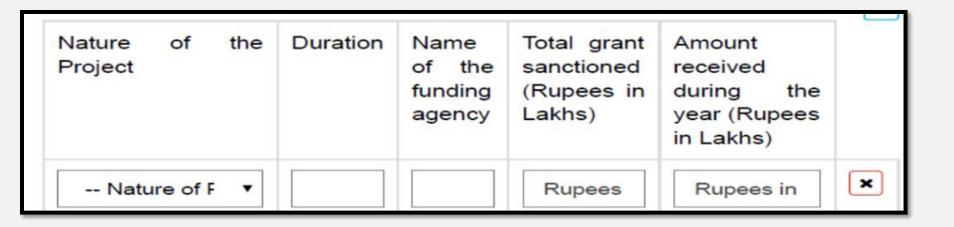
Research culture

Extension Services

Linkage and Collaboration



3.1 RESOURCE MOBILIZATION FOR RESEARCH



Major / Minor/ Industry/ Uni/College/ Students Research project / International project/ Any other

Name of	Name of the	Department	Year of	Amount	Amount	Duratio	Name of
the	Principal	of Principal	Award	Sanctioned	received	n of	the
Project/	Investigator/Co-	Investigator		(Rs)	during the	the	Funding
Endowmen	investivator				year	project	Agency
ts, Chairs					(Rupees)		



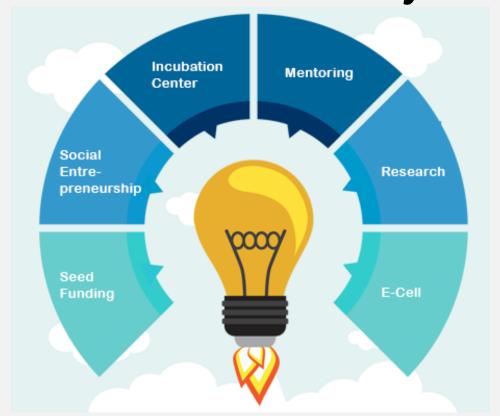
3.2: INNOVATION ECOSYSTEM

3.2.1	Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years
3.2.2	Awards for Innovation won by Institution/Teachers/ Research scholars/Students during the year
3.2.3	No. of Incubation centre created, start-ups incubated on campus during the year



3.2 INNOVATION ECOSYSTEM

It is the term used to describe the large and diverse array of participants and resources that contribute to and are necessary for ongoing innovation in a modern economy.





INCUBATION CENTER



Workspace

Marketing assistance

Mentoring assistance

High-speed internet access

Accounting / Financial management access

Connections to higher education resources

Comprehensive business training programs

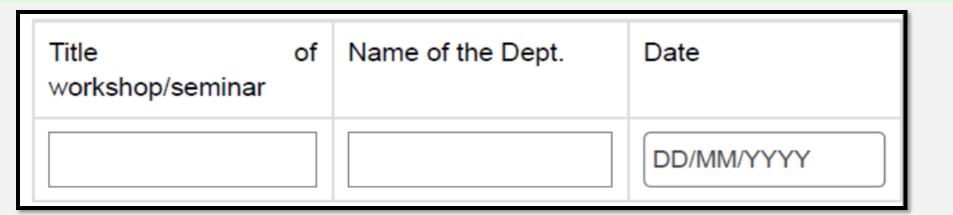
Links to higher education resources

Comprehensive business training programs

Help with business etiquette

Incubation centers help entrepreneurs to solve some of the problems commonly associated with running a startup

3.2.1 WORKSHOPS/ SEMINARS ON IPR



IPR workshops

Industry – Academia interaction / entrepreneurship to be added

Research Methodology

- Detailed report
- No. of participants
- **Photographs**



3.2.2 AWARDS FOR INNOVATION WON BY INSTITUTION/TEACHERS/RESEARCH SCHOLARS/STUDENTS DURING THE YEAR

Title of the innovation Name of Awardee Awarding Agency Date of award Category

3.2.3 NO. OF INCUBATION CENTRE CREATED, START-UPS INCUBATED ON CAMPUS DURING THE YEAR

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start- up	Date of Commencement
01	Internet of Things Lab	Our College	NA	NA	19/11/2018

Institution's Innovation Council (IIC)
Unnat Bharat Abhiyan
Incubation center etc



3.3 **RESEARCH PUBLICATION AND AWARDS**

3.3.1	Incentive to the teachers who receive recognition/awards
3.3.2	Ph. Ds awarded during the year (applicable for PG College, Research Center)
3.3.3	Research publications in the Journals notified on UGC website
3.3.4	Number of books and chapters in edited volumes / books published / conference proceedings
3.3.5	Bibliometrics of the publications during the last years based on average Citation index in Scopus/ Web of Science/ PubMed
3.3.6	3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/Web of science)
3.3.7	Faculty participation in Seminars/Conferences and Symposia during the year



3.3.1 INCENTIVES TO AWARD RECIPIENT TEACHERS

State	National	International

E-copies of award Proof of incentives (Audited statement etc)

3.3.2 Ph. Ds AWARDED DURING THE YEAR

Department	Number of PhDs awarded

E-copies of PhD notification with name of the student and guide



3.3.3 RESEARCH PUBLICATIONS IN THE JOURNALS NOTIFIED ON UGC WEBSITE

Туре	Department	No. of Publication	Average Impact Factor (if any)
Sŧ ▼			

Data sheet

Department/	No of Publication	Average impact factor if any
English	9	
Physics	5	0.074
Chemistry	7	2.007



HTTPS://UGCCARE.UNIPUNE.AC.IN

■ ugccare.unipune.ac.in/Apps1/User/WebA/CAREList





UGC-CARE List

UGC-CARE List Group I

Journals found qualified through UGC-CARE protocols

Search

Alert

UGC-Cell for Journal Analysis, Centre for Publication Ethics (CPE) at Savitribai Phule Pune University(SPPU), Pune, has been notified of cloned and online versions of print-only, authentic Journals on its UGC-CARE List. The ISSN, title, logo etc have been cloned. Scholars are cautioned against such cloned versions of Journals on the UGC-CARE List, and are requested to verify with the CPE whenever they are in doubt about the veracity of any Journal. We also request that news of such cloned Journals be reported to the CPE at the earliest.

UGC. UGC-CARE and CPE bear no responsibility for consequences that may arise from researchers publishing in cloned journals.

Journals found to be involved in unethical practices will be removed immediately.

Search by ISSN

UGC-CARE List Group II

Journals indexed in globally recognised databases.

These journals are part of UGC-CARE List as Group II and searchable through following links.

Web of Science

- 1. Arts & Humanities Citation Index.
- 2. Science Citation Index Expanded.
- 3. Social Sciences Citation Index.

No further analysis of these journals will be done by the UGC Cell and all such journals are included in the UGC-CARE List.

Scopus

1. Scopus Source List

UGC-CARE has received complaints about several journals which are not following the standard publishing practices. After scrutinizing these journals in accordance with UGC-CARE protocols, UGC has decided to remove these journals from Group II of the UGC-CARE List. Please note that any publication in these journals will not be considered for any academic purposes.

List of journals removed from the Group II indexed in Scopus database

MLA

Those journals from the Directory of Periodicals by the Modern Language Association that have qualified in accordance with UGC-CARE protocols are included in UGC-CARE Group II. Please note that many MLA journals are already indexed in Scopus/ Web of Knowledge databases, and these have not been separately

Directory of Periodicals by the Modern Language Association

The journals which are discontinued/ inactive from above databases will not find a place in Group II of the UGC-CARE List.



3.3.4 BOOKS, CHAPTERS AND PROCEEDINGS





Department	No of publication
English	6
Physics	7
Chemistry	8

E-copies of Cover, index page and papers published

Should contain unique ISBN



3.3.5 BIBLIOMETRICS OF THE PUBLICATIONS BASED ON AVERAGE CITATION INDEX IN SCOPUS/ WEB OF SCIENCE/ PUBMED

Title of the Paper	Name of Author	Title of journal	Year publication	of	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
			2019	•			

Redox-Annu	H S	Organic	2018	5	Department	5
lations of	Chandak	Letters			of	
Cyclic					Chemistry	
Amines					and	
with 2?(2-					Chemical	
Oxoethyl)m					Biologym,	
alonates					Rutgers Un	
					iversity,	
					NJ, USA	



3.3.6 BIBLIOMETRICS OF THE PUBLICATIONS BASED ON AVERAGE CITATION INDEX IN SCOPUS/ WEB OF SCIENCE/ PUBMED

Title of the Paper	Name o Author		Title of journal	Year of publication		-index		lumber of citations cluding self citation	Institutional affiliation as mentioned in the publication
Redox-Annu lations of Cyclic Amines with 2?(2- Oxoethyl)m alonates	H S CHAndak	:	Organic Letters	2018		9		5	G S Science, Arts and Commerce College, Khamgaon
Title of paper	Name of the author/s	Depart ment of the teacher	F	Year of publication	ISSN number	Impact Factor	h-index (based on Scopus/Wo b of Science)	Institutional Affiliation as mention in the publication (h- index)	Link to the recognition in UGC enlistment of the Journal
Photo-Luminescence Study of Red Borate Phosphor Sr3 Y1-x (BO3)3:xEu3+	-	Physics	AIP Conference Proceedings 2104, 030027	2019	0094-243	0.37	12	G S Science, Arts and Commerce College, Khamgaon	https://www.scopus.co m/sourceid/26916
Redox-Annulations of Cyclic Amines with 2-(2-Oxoethyl)malonates	H S Chandak	Chemist ry	Organic Letters	2018	1523-706	6.28	9	Department of Chemistry and Chemical Biologym, Rutgers University, NJ, USA	https://www.scopus.co m/sourceid/26396

Impact Factor (IF):

Released every year in June by Thomson Reuter as JOURNAL CITATION REPORTS the 'JCR' for the previous year after tracking the journal citations for 3 consecutive years.

IF = Citations / No. of Articles in an year

The journals covered under 'Web of Science' / Web of Knowledge/ Science Citation Index (SCI) / Science Citation Index Expanded (SCIE), Social Science Citation Index can ONLY have IF.

Beware of Predatory Journals and Fake Impact Factors:

https://predatoryjournals.com/metrics/





• Citations:

Number of times your work is cited in research paper

h-index: (J E Hirsh)
 the number of papers with citation number higher or equal to h,

- i10-index:
- Number of publications with at-least 10 citations.



S N	Title of the paper	Citations	
1	ABC	21	
2	DEF	19	
3	GHI	12	
4	JKL	11	
5	MNO	10	i10 in
6	PQR	10	
7	STU	7	h ind
8	VWX	3	
	Total	93	

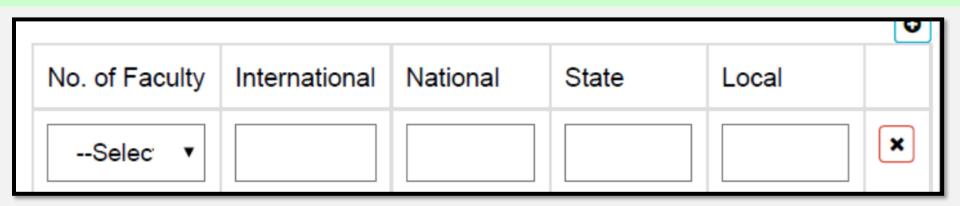
i10 index is 6

h index is 7

citation index is 93



3.3.7 FACULTY PARTICIPATION IN SEMINARS/CONFERENCES AND SYMPOSIA DURING THE YEAR



Number of Faculty	International	National	State	Local
Attended/Semina rs/Workshops	1	9	5	1
Presented papers	12	6	4	2
Resource persons	2	1	1	3

Collect data in excel sheet with details and e-copies of certificate



3.4 EXTENSION ACTIVITIES

3.4.1	Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year
3.4.2	Awards and recognition received for extension activities from Government and other recognized bodies during the year
3.4.3	Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

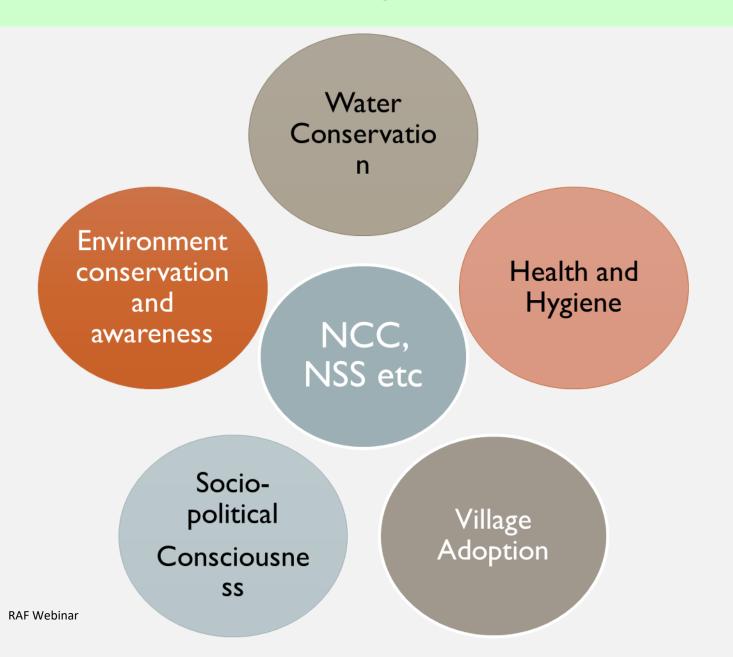


3.4 EXTENSION AND OUTREACH ACTIVITIES

- Extension Activities: The aspect of education, which emphasizes neighbourhood services.
- Outreach Activities: Is the practice of conducting local public awareness activities through targeted community interaction



3.4.1 Extension and Outreach Activities





24

3.4.1 NUMBER OF EXTENSION AND OUTREACH ACTIVITIES

Title of the activities	Organising unit/ agency/ collaborating agency	Number teachers coordinated such activities	of in	Number students participated such activities	of in

Data sheet

Detailed report signed by the incharge and the Principal

Photograph with caption and date

Number of participants



News paper clips etc

3.4.2 AWARDS AND RECOGNITIONS FOR EXTENSION ACTIVITIES

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited	



Best NSS unit award,

Best NCC unit

Vanashri Puraskar

Swacch Bharat

Award by NGOs

Awards to the institution and not to the individual and for extension activities only.

Awards local in nature such as Urban / local bodies / Panchayat etc are to be avoided.



3.4.3 STUDENTS PARTICIPATING IN EXTENSION ACTIVITIES

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers coordinated in such activites	Number of students participated in such activites



Data sheet



3.5 COLLABORATION

3.5.1	Number of Collaborative activities for research, faculty exchange, student exchange during the year
3.5.2	Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year
3.5.3	MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

LINKAGE

Linkage: Formal agreement between two or more institutions/organization which may not have legal binding.

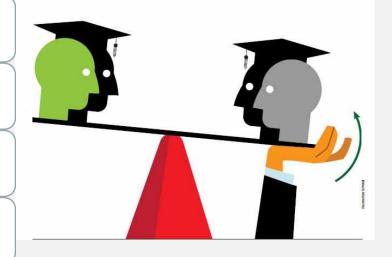
For resource sharing

Internship

On-the job training

Project work

Sharing of research facilities





COLLABORATION



Colaboration: The situation of two or more people working together to create or achieve the same thing (mutual benefit).



3.5.1 **COLLABORATIVE ACTIVITIES FOR** RESEARCH, FACULTY/ STUDENT EXCHANGE

Nature activity	of	Participant	Source financial support	of	Duration

Data sheet required

Guest Lecture
Hands on Training
Sharing facility
Sharing expertise
Research project
Research guidance
etc.



3.5.2 LINKAGES WITH INSTITUTIONS/INDUSTRIES FOR INTERNSHIP, ON-THE-JOB TRAINING, PROJECT WORK, SHARING OF RESEARCH FACILITIES ETC

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
			DD/MM	DD/MM	

Data sheet required

SI.	Title of the	Name of the partnering	Duration (From-	Nature of linkage
No.	linkage	institution/ industry /research	To)	
		lab with contact details		
		Department of Chemical		Our student Ku Kanchan Chim
		Sciences, IISER Kolkata, Contact		completed summer research
1	Summer	person: Dr Sanjio Zade, email	05.06.2019 to	project at IISER Kolkata on the
+	Research	sanjiozade@iiserkol.ac.in	24.07.2019	topic Synthesis of Thiophene and
				Pyrrole based fused conjugated
				systems



3.5.3 **NUMBER OF FUNCTIONAL MOUS**



Data sheet required

MoU signed earlier but continued ?????

- E-copy of letters showing MOUs with other institutions
- The MoU should be functional during the assessment period
- X MOU's with the sister institutions under the same Trust not to be included.



AUTONOMOUS COLLEGE ONLY

3.1 PROMOTION OF RESEARCH AND FACILITIES

3.1.1 The institution provides seed money to its teachers for research, Yes No if yes give details						
Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant			

- Name of the teacher getting seed money
- The amount of seed money
- Year of receiving grant
- Duration of the grant
- List of faculty who have been awarded seed money
- Sanction letters of award of seed money to the teachers is mandatory.
- Audited Income-Expenditure statement



3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year										
	Name o	fthe	Name of	the Av	vard	Date of	Award	A	warding Agen	cy
	teach	er								
	awarded	d the								
	fellows	ship								
National										
International										
	•								·	

- Fellowship for postdoc. Research (Humbolt, DAAD etc)
- Fellowship visiting scientist
- Fellow of academies
- Swarnjayanti Fellowship
- Bhatanagar Award/ Sahitya Akademi Award

3.5 CONSULTANCY

3.5 Consultan	cy				
3.5.1 Revenue	generated from Consu	ltancy during the y	rear		
Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency		Revenue generated (amount in rupees)	
	generated from Corpo		+	~ .	
Name of the Consultant(s) of Department	& Programme	Agency seeking training	(amount in rupees)		Number of trainees

Names of the consultants / corporate trainers
Name of consultancy project / corporate training
Consulting/Sponsoring agency with contact details
Revenue generated (amount in rupees)

CONCLUSIONS

- Data submitted in SSR will be validated on the basis of
 - 1. AQAR
 - 2. AISHE
 - 3. NIRF
 - 4. Inflibnet

- Presentation of the data is most important thing
- Try to collect data as per SSR data sheet
- If any doubt ?? Contact cluster



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WE DON'T GROW WHEN THINGS ARE EASY; WE GROW WHEN WE FACE CHALLENGES.



