



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
1. Name of the Institution	Central University of Rajasthan
Name of the head of the Institution	Prof. Anand Bhalerao
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01463257502
Mobile no.	9001001346
Registered Email	director.iqac@curaj.ac.in
Alternate Email	vc@curaj.ac.in
Address	CENTRAL UNIVERSITY OF RAJASTHAN National Highway -8, Bandar Sindri, TEHSIL AJMER Dist-Ajmer-305817, Rajasthan
City/Town	AJMER
State/UT	Rajasthan

Pincode	305817																		
<b>2. Institutional Status</b>																			
University	Central																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	central																		
Name of the IQAC co-ordinator/Director	Prof. Pradeep Verma																		
Phone no/Alternate Phone no.	01463257510																		
Mobile no.	9414071791																		
Registered Email	director.iqac@curaj.ac.in																		
Alternate Email	pradeepverma@curaj.ac.in																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.curaj.ac.in/group/iqac-naac">_https://www.curaj.ac.in/group/iqac-naac</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.curaj.ac.in/academics/academic-calendar">https://www.curaj.ac.in/academics/academic-calendar</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.01</td> <td>2016</td> <td>16-Sep-2016</td> <td>15-Sep-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.01	2016	16-Sep-2016	15-Sep-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.01	2016	16-Sep-2016	15-Sep-2021														
<b>6. Date of Establishment of IQAC</b>	21-Nov-2010																		
<b>7. Internal Quality Assurance System</b>																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td colspan="3"> </td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries								
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IQAC		
SUBMISSION OF PROMOTION CAS FORM MEETING	28-Feb-2018 1	86
<a href="#">View File</a>		

**8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Department of Chemistry Central University of Rajasthan	DST FIST	UGC	2015 1825	7050000
Department of Environmental Science Central University of Rajasthan	DST FIST	UGC	2016 1825	8200000
Department of Mathematics Central University of Rajasthan	DST FIST	UGC	2015 1825	6150000
Department of Microbiology Central University of Rajasthan	DST FIST	UGC	2017 1825	4400000
Department of Pharmacy Central University of Rajasthan	DST FIST	UGC	2016 1825	6100000
<a href="#">View File</a>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

1

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Preparation and submission of the reports by the NIRF cell of university to NIRF for the overall ranking of the university in the University category. Information provided to all admitted students regarding campus facilities and MOOC and NPTEL program to the university students. Publication analysis of NIRF by NIRF cell presented to all stake holder of the University to improve further NIRF ranking of the University. Various information provided by the IQAC cell received from government to all stake holder of the University for Maximum Participation of the university employee. Sensitization and information provided to various departments regarding revision of curriculum to include advanced topics and role of local industries as per LOCF of each programme. Departments were briefed to display their course outcome program outcome on the university website.

[View File](#)

**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achievements/Outcomes
As per IQAC guidelines framed by UGC, the University has decided to categories the activities/ functions of IQAC in three categories (i) Academic (ii) Administrative (iii) Research and (iv) Extension and outreach activities	Academic activities: Administrative activities: Research activities
Building of the Research Culture	Ensuring research as part of academic culture and mobilization of additional resources through research grants
NIRF Submission	Filling up the NIRF in Overall category
Prepare of AQAR Report	Data has been complie all sections
Conduct of IQAC Meetings	Quality check at various levels and places are continually done and quality enhancement protocols implemented.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Dean Committee	06-May-2022

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to	No
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assess the functioning ?	
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	26-Mar-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The Central University of Rajasthan using Samarth Portal for Management Information System University. 1. Employee Management Module 2. Organigram Module 3. File Tracking Management Module 4. Legal Case Management Module 5. Sports Facilities Management Module 6. Hostel Management Module 7. Health Facilities Management Module 8. IT Service Desk Module 9. Recruitment Module.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

##### 1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BDes	BDes	Design and Craft	12/11/2017
MDes	MDES	Design and Craft	12/11/2017
MSc	MSBDA	Computer Science (Big Data Analytics)	12/11/2017
Mtech	MSTA	Statistics	12/11/2017
PhD or DPhil	MTCPS	Computer Science (Cyber Physical System)	12/11/2017

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##### 1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BDes	Design and Craft	01/07/2017	Design and Craft DES	01/07/2017
MDes	Design and Craft	01/07/2017	Design and Craft MDES	01/07/2017

Integrated(PG)	Computer Science (Big Data Analytics)	01/07/2017	Computer Science (Big Data Analytics) MSBDA	01/07/2017
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## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
PhD or DPhil	Atmospheric Science	01/07/2017
MSc	Mathematics	01/07/2017
MPharm	Pharmaceutics	01/07/2017
<a href="#">View File</a>		

### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MArch	Sustainable Architecture	01/07/2017
MSc	Atmospheric Science	01/07/2017
MCom	Commerce	01/07/2012
MSc	Computer Science	01/07/2010
Integrated(PG)	Computer Science	01/07/2013
MA	Hindi	01/07/2017
MBA	Management	01/07/2017
Integrated(PG)	Mathematics	01/07/2016
Integrated(PG)	M.Sc. and B.Ed. in Mathematics	01/07/2016
MSc	Mathematics	01/07/2016
MSc	Microbiology	01/07/2017
Integrated(PG)	Microbiology	01/07/2017
Integrated(PG)	Physics	01/07/2016
Integrated(PG)	M.Sc. and B.Ed. in Physics	01/07/2016
MSc	Physics	01/07/2016
MA	Public Policy, Law & Governance	01/07/2013
MSc	Yoga Therapy	01/07/2017
BVoc	B.Voc	01/07/2017
MA	Culture and Media Studies	01/07/2013
MA	MAEE01-Environmental Economics I	01/07/2017
MA	MAEE02-Environmental	01/07/2017

	Economics II	
MA	MAEE03-Natural Resource Economics	01/07/2017
MA	MAEE04-Global Environmental Issues and Sustainable Development	01/07/2017
Integrated(PG)	MAEE01-Environmental Economics I	01/07/2017
Integrated(PG)	MAEE02-Environmental Economics II	01/07/2017
Integrated(PG)	MAEE03-Natural Resource Economics	01/07/2017
Integrated(PG)	MAEE04-Global Environmental Issues and Sustainable Development	01/07/2017
Integrated(PG)	MAEE01-Environmental Economics I	01/07/2017
Integrated(PG)	MAEE02-Environmental Economics II	01/07/2017
Integrated(PG)	MAEE03-Natural Resource Economics	01/07/2017
Integrated(PG)	MAEE04-Global Environmental Issues and Sustainable Development	01/07/2017

### 1.3 – Curriculum Enrichment

#### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
M.Arch (Sustainable Architecture)	01/07/2017	7
Ph.D. Architecture	01/07/2017	1
M.Sc. Atmospheric Science	01/07/2017	6
Ph.D. Atmospheric Science	01/07/2017	0
Integrated M.Sc. Biochemistry	01/07/2017	12
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#### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MArch	M.Arch (Sustainable Architecture)	1
MSc	M.Sc. Atmospheric Science	3
PhD or DPhil	Integrated M.Sc. Biochemistry	2

MSc	M.Sc. Biochemistry	1
PhD or DPhil	Ph.D. Biochemistry	2
<a href="#">View File</a>		

#### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

Feedback Obtained
<p>The Central University of Rajasthan of feedback is obtained at the end of each term / semester for each course offered during the term/semester. In the feedback form designed, students give their feedback on the course and the faculty. Each faculty is then given their feedback results and as and when required, the director may call upon concerned faculties and try to resolve the issues. The main objective of seeking students' feedback on teaching at the Institute is to assist faculty members in monitoring and improving their effectiveness as teachers. The information is used as one of the means for assessing teaching effectiveness for decisions regarding merit, tenure and promotion, and to provide information that may be used to support exceptional teachers nominated for teaching awards. There are regular class visits for observing the overall delivery of lectures in classroom. In the said respect a pre and post observation meeting is conducted. A pre observation meeting is conducted to discuss the aspects to be monitored / observed during the visit. A post observation meeting is conducted to discuss the outcomes of the visit as well as to plan for the improvement. The concerned faculty is required to work on the suggestions. Also meetings are held for faculties teaching in a specific term / semester and discipline issues or infrastructural issues faced by them are also discussed in that forum and efforts are made to resolve them. All course coordinators will incorporate one component of assessment with soft skill / communication and research as focus areas Internship is monitored by a team of faculty members who shall visit the firms and seek feedback about student performance.</p>

### CRITERION II – TEACHING- LEARNING AND EVALUATION

#### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MArch	Sustainable Architecture	20	24	7
PhD or DPhil	Architecture	20	6	1
MSc	Atmospheric Science	20	91	6
PhD or DPhil	Atmospheric Science	20	88	0



Integrated(PG)	Biochemistry	20	1665	12
MSc	Biochemistry	20	1744	5
PhD or DPhil	Biochemistry	20	669	2
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## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	30	1345	6	135	141

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
141	141	69	43	3	138

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Central University of Rajasthan mentoring system established since inception to better and effective relationship between student and teacher and also continuously monitor council and guide students in educational and personal matter. All teachers work as mentors for students allotted to them. The students must feel to confide in their mentors. This is a continuous process till the end of academic career of student. The aim of student mentorship is – 1. To enhance teacher –student relationship. 2. To enhance student’s academic performance and attendance. 3. To minimize student’s dropout ratio. 4. To monitor the student’s regularity and discipline. 5. To enable the parents to know about the performance of regularity of wards. The IQAC had taken the initiative of implementing the mentoring of students. Students are based on the streams of studies and also according to their core subjects. Mentors are expected to offer guidance and counselling as and when they required. It is the practice of mentors to meet students individually or in groups.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1383	140	1:10

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
234	115	119	5	105

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers	Designation	Name of the award,
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	receiving awards from state level, national level, international level		fellowship, received from Government or recognized bodies
2017	Prof. Someshwar Das	Professor	Elected as the Chairman of the Indian Meteorological Society, Jaipur Chapter
2017	Dr. Subrat Kumar Panda	Assistant Professor	Elected as the Council Member of the Indian Meteorological Society, Jaipur
2017	Dr. Vishvanath Tiwari	Assistant Professor	ICMR-Shakuntala Amir Chand Prize-2016
2017	Dr. Vijay Kumar Prajapati	Assistant Professor	Associate, National Academy of Agricultural Sciences, New Delhi
2017	Dr. Vijay Kumar Prajapati	Assistant Professor	Young Scientist Award, National Academy of Agricultural Sciences, New Delhi
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MArch	MARCH	IV	05/05/2017	26/05/2017
MSc	MSBC	IV	05/05/2017	01/06/2017
MSc	MSBT	IV	05/05/2017	23/05/2017
MSc	MSCH	IV	05/05/2017	26/05/2017
MSc	MSCS	IV	05/05/2019	01/06/2017
<a href="#">View File</a>				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	1383	0

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.curaj.ac.in/departments/department-chemistry>

## 2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MARCH	MArch	Architecture	13	10	76.92
MSBC	MSc	Biochemistry	18	18	100.00
MSBT	MSc	Biotechnology	18	15	83.33
MSCH	MSc	Chemistry	21	20	95.24
MSCS	MSc	Computer Science	16	16	100.00

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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://curaj.ac.in/group/igac-naac>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Vivekanand Tiwari	Scholarship for pursuing PhD at IIT Rooree under AICTE QIP Scheme	28/05/2018	AICTE
National	Dr. Neha Seth, Department of Commerce	Post Doctoral Fellowship	15/02/2018	ICSSR
National	Dr. Gaurav Somani, Department of Computer Science and Engineering	Teacher Fellowship	01/07/2017	UGC
National	Dr. Ram Kishor, Department of Mathematics	Visiting Associateship	01/07/2016	IUCAA, Pune

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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Junior Research Fellowship (JRF)	1825	UGC
Junior Research Fellowship (JRF)	1825	CSIR
Junior Research Fellowship (JRF)	1095	DST-SERB
Junior Research Fellowship (JRF)	730	DST New Delhi
Junior Research Fellowship (JRF)	1095	UGC-DAE CSR Indore
<a href="#">View File</a>		

**3.2 – Resource Mobilization for Research**

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	730	UGC	1000000	800000
Major Projects	1095	DST SERB	300000	300000
Major Projects	1095	DST SERB	2976000	500000
Major Projects	1095	DBT	511000	511000
Major Projects	730	DST RFBR	800000	800000
<a href="#">View File</a>				

**3.3 – Innovation Ecosystem**

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Organized Course under Global Initiative of Academic Networks (GIAN) Scheme on "Sustainability in The Built Environment" funded by MHRD	Architecture	12/01/2018
<a href="#">View File</a>		

3.3.2 – 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
Converting Mundoti Village in to open defecation free	Jagdish Jadhav, Associate Professor,	MHRD	16/09/2017	Teachers

(ODF) with solid and liquid waste management

Department of Social Work

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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
<b>No Data Entered/Not Applicable !!!</b>					
No file uploaded.					

### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Mathematics	4
Chemistry	2
Hindi	2
Management	2
PPLG	2
Computer Science	1
English	1
Pharmacy	1

#### 3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Pharmacy	38	3.86
International	Physics	25	3.17
International	Statistics	24	0
International	Biochemistry	21	4
International	Computer Science	21	0

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#### 3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science and Engineering	10
Computer Science	6
Environmental Science	5
Hindi	4
Microbiology	4
Education	2
English	2

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### 3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
High performance for biobutanol production	Published	ES2643605T3	23/11/2017
Methods For Microbially Enhanced Recovery of Hydrocarbons	Published	PCT/CA2016/0504	17/05/2018
<a href="#">View File</a>			

### 3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Strategies for combating bacterial biofilms: A focus on anti-biofilm agents and their mechanisms of action	Ranita Roy, Monalisa Tiwari, Gianfranco Donelli and Vishvanath Tiwari	Virulence	2018	488	Central University of Rajasthan	460
Mechanism of anti-bacterial activity of Zinc Oxide nano particle against carbapenem-resistant Acinetobacter baumannii.	Vishvanath Tiwari, Neha Mishra, Keval Gadani, P.S. Solanki, N. A. Shah and Monalisa Tiwari.	Frontiers in Microbiology	2018	199	Central University of Rajasthan	179
Exploring Leishmania secretory proteins to design B and T cell multi-epitope vaccine using immu	Khatoon N, Pandey RK, Prajapati VK	Scientific Reports	2017	181	Central University of Rajasthan	168

noinformatics approach						
Exploring dengue genome to construct a multi-epitope based subunit vaccine by utilizing immunoinformatics approach to battle against dengue infection	Ali M, Pandey RK, Khatoon N, Narula A, Mishra A, Prajapati VK	Scientific Reports	2017	180	Central University of Rajasthan	167
Presence of a consensus DNA motif at nearby DNA sequence of the mutations susceptible CG nucleotides	Kaushik Chowdhury, Suresh Kumar, Tanu Sharma, Ankit Sharma, Meenakshi Bhagat, Asangla Kamai, Bridget M Ford, Shailendra Asthana, Chandi C Mandal	Gene	2018	177	Central University of Rajasthan	7

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Assessment of climate change impact on yield of major crops in the Banas River	Ubey, S. K., Sharma, D.	Science of the Total Environment	2018	244	0	Central University of Rajasthan

Basin, India.						
Structure and magnetic properties of electro deposited CoPtP/Pt multilayers nanowires	Shivani Agarwal, S. A. Hashmi, Bhanu Nandan, Ajit Kumar Patra, Ravi Prakash Singh, J. AroutChelvane, Manvendra Singh Khatri	Chemical Physics Letters	2017	235	5	Central University of Rajasthan
Targeting ?-clamp in Helicobacter pylori with FDA approved drugs yields micromolar inhibition by diflunisal	Pandey, P Verma, V Kumari, N Dhar, SK and Gourinath, S.	FEBS Letter	2017	232	1	Central University of Rajasthan
Magnetization reversal behavior and magneto-caloric effect in SmCr <sub>0.85</sub> Mn <sub>0.15</sub> O <sub>3</sub> chromites	Surendra Kumar, Indrani Coondoo, M. Vasundhara, Ajit K. Patra, A. L. Kholkin and Neeraj Panwar	Journal of Applied Physics	2017	319	20	Central University of Rajasthan
Experimental realization of structured super-oscillatory pulses	Yaniv Eliezer, Brijesh Kumar Singh, Liran Hareli, Ady Arie	Optics Express	2018	271	18	Central University of Rajasthan

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#### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Semi	23	33	10	6



nars/Workshops				
Presented papers	70	68	6	1
Resource persons	22	35	16	7
<a href="#">View File</a>				

### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
0	0	0	0
<a href="#">View File</a>			

#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
0	0	0	0	0
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### 3.6 – Extension Activities

#### 3.6.1 – 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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Swachhta Pakhwara activities	NSS	10	180
Clean Campus Day	NSS	2	25
Clean Hostel Day	NSS	4	60
Green Campus Day	NSS	5	30
Van-Mahotsava	NSS	6	30
<a href="#">View File</a>			

#### 3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
0	0	0	0
<a href="#">View File</a>			

#### 3.6.3 – 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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Celebration of 8th	CURAJ Yoga Dept.	Yoga	5	82

International Day of Yoga				
Swachh Bharat Mission	CURAJ Social work Dept	Clean Awareness	4	54
Consolidated Statistical Data	CURAJ Statistics Dept.	Data Management	5	24
Vigilance Awareness Week 2018	University Level	Pledge	14	1105
<a href="#">View File</a>				

### 3.7 – Collaborations

#### 3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research Publication	12	Central University of Rajasthan	365
Summer internship	11	Self	60
Guest Lecture on Video Production	10	Central University of Rajasthan	5
Workshop on Documentary Film-Making	10	Central University of Rajasthan	5
Guest Lecture on Creative Photography	10	Central University of Rajasthan	1
<a href="#">View File</a>			

#### 3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
School Internship	School Internship and Teaching Practice	Kendriya Vidhaylaya Sangthan Schools	10/07/2017	25/12/2017	63
Project Work	M.Sc. Dissertation	Department of Biotechnology, CURAJ	03/01/2018	25/05/2018	20
Internships and Field Placements	NGOs/CIVIL Society Institutions	Seva Mandir, Udaipur	01/09/2017	01/09/2017	17
Internship	Summer	IIT,	15/05/2018	25/06/2018	4

Programme	Internship	Hyderabad			
Research	Summer internship	National Institute of Oceanography, Goa	05/05/2017	30/06/2017	4
<a href="#">View File</a>					

3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Public Affairs Centre (PAC), Bangalore	27/11/2017	Academic and Administrative	8
University of Namibia (UNAM)	06/10/2017	Academic and Administrative	5
<a href="#">View File</a>			

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
258875804	39857971

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
<a href="#">View File</a>	

### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
LIBSYS	Fully	LibSys7	2010

#### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Journals	3112	5606084	6565	4007150	9677	9613234
<a href="#">View File</a>						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Vishvanath Tiwar	Kinetics of Single Substrate Reaction, Rapid equilibrium and Steady-state Approach	e-PG Pathshala	01/09/2017
Dr. Vishvanath Tiwar	Kinetics of Single Substrate Reaction, Rapid equilibrium and	e-PG Pathshala	01/09/2017
Dr. Vishvanath Tiwar	Kinetics of Single Substrate Reaction, Rapid equilibrium and	e-PG Pathshala	01/09/2017
: Dr. Vishvanath Tiwari,	Kinetics of Single Substrate Reaction, Rapid equilibrium and	e-PG Pathshala	01/09/2017
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	550	12	1	0	0	20	29	1	0
Added	207	7	0	0	0	1	1	0	0
Total	757	19	1	0	0	21	30	1	0

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1 MBPS/ GBPS
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##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and
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	recording facility
Digital content (E-Books) developed by faculty for their respective courses	<a href="https://jgateplus.com/home/">https://jgateplus.com/home/</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
42412272	42725821	108798969	109603307

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

<p>The University is committed to provide safe and secure space to its family. Every department maintains stock registers for keeping the list of chemicals, glassware, equipment's and other instruments used in laboratory. Maintain consumption register regularly to keep account of the used material and non-functional glassware, miscellaneous items etc. Physical verification of laboratory equipment's and machines is carried out to record the functional and non-functional equipment's from time to time.</p> <p><a href="https://www.curaj.ac.in/sites/default/files/Final%20Annual%20Report%202018-19%20English.pdf">https://www.curaj.ac.in/sites/default/files/Final%20Annual%20Report%202018-19%20English.pdf</a></p>
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### CRITERION V – STUDENT SUPPORT AND PROGRESSION

#### 5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Scholarship/ Fellowship	101	7644198
Financial Support from Other Sources			
a) National	sponsored fellowships/scholarships from DST, CSIR, ICSSR ETC.	21	4121334
b) International	0	0	0
<a href="#">View File</a>			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Mentoring	01/07/2017	25	Central University of Rajasthan
Remedial coaching	01/07/2017	25	SC/ST Cell, Govt of India
NET Coaching Classes	01/07/2017	18	SC/ST Cell, Govt of India

Mentoring	01/07/2017	21	Central University of Rajasthan
Mentoring	01/08/2017	6	PPLG
Yoga and Meditation	01/07/2017	15	Central University of Rajasthan
<a href="#">View File</a>			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2017	Mentoring	17	17	0	17
2017	Mentoring	25	25	0	3
2017	Remedial coaching	25	25	25	0
2017	NET Coaching Classes	18	18	15	0
<a href="#">View File</a>					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
51	51	20

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	2	UG (03 Years)	CURAJ	IIT	PG
2018	20	PG (02 Years)	CURAJ	CU	B.ed, Ph.D

[View File](#)

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	73
GATE	19
Civil Services	5
SET	1
Any Other	8

[View File](#)

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Football League	Intra University	180
Cricket League	Intra University	360
Kabaddi League	Intra University	100
Badminton League	Intra University	120
Basketball League	Intra University	140
Volleyball League	Intra University	160
Handball League	Intra University	140

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### 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2017	NA	National	Nil	Nil	Nil	NA

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The functions of the Students Council shall be to me suggestions to the appropriate authorities of the University in regard to the programmes of studies, students welfare and other matters of importance, in regard to the working of the University in general and such suggestions shall be made on the basis of consensus of opinion. The Students Council shall mcet at least twice in every academic year and the first meeting of the Council be held in the beginning of the academic session.

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Club actively under Dean Students' Welfare (DSW) was established in the University and every year, University has been organizing 'Alumni Meet during convocation. The data of all Alumnae Department-wise was uploaded on the

University website. It was also decided that "Alumni Corpus Fund" is created and separate account be opened for the same so that various academic activities can be organised throughout the year. Further, alumnae can significantly contribute to the development of the Departments and the University. It is advised that the name of the Alumni Association of Central University of Rajasthan is to be registered in the name of Alumni Association of Central University of Rajasthan

5.4.2 – No. of registered Alumni:

1668

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

1

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Central University of Rajasthan is committed to inculcating and sustaining quality in all the dimensions of Higher Education viz. teaching, learning, research, extension and governance while catering to the regional and global needs. CURAJ offers 50 Masters and PhD programmes in its 29 departments. The University operates from its permanent campus of 550 (approx.) acres and it has adequate hostels housing nearly 2000 students in the campus. University focuses keen on decentralization by intending equal opportunity (equal role to participate is the functioning of the University management comprises of management committee, University council and each committee has been provided with specific functions cater to the needs of University for the ongoing progress and development of the University. Management committee takes care of infrastructure facilities which fulfil the quality and the required needs of the higher education bodies to reach the set goals or bench -marks of the University. It also extends all the amenities for the teaching and non teaching faculty and students. Council takes care of financial management and the implementation of facilities for the University with the cries to upgrade the standard of amenities which supports effectively the teaching learning and research aspects. It guides and articulates the available resources and provides freehand to the head of the University to carry out the activities in order to reach the expected maximum standard in turn to motivate the teaching and non teaching faculty to work according to the goal set.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

### **6.2 – Strategy Development and Deployment**

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	The University pursues the vision of quality higher education to provide the best of learning opportunities to the students. The prospectus forms and the support of the teaching-learning



activities help the students. It aligned with creative and critical thinking in addition the curriculum of all the programmes of study is built on high expectations of students which involve various industry and eminent expert in the respective filed. It also emphasizes significance of content, innovative pedagogies and problem solving strategies that enable the students to apply reasoning to justify their thinking, suiting diverse needs of student community. It is also developed through a collaborative approach in which students suggestion keeps in mind, faculty and subject-experts participate in the exercise of devising a standard curriculum. Thus, the curriculum is guided by the principles of significance, legitimacy, enjoyment and objectivity, in which industry partners are also takes part and roped in particularly to design of the curricula of professional courses. The Choice Based Credit System (CBCS) was implemented in all the UG/PG Programmes of Study

Teaching and Learning

The outstanding sentiment of the fact that pedagogical practices determine the learning experiences and influence the learning outcomes. The university adopts quality improvement strategies in teaching-learning process through innovative pedagogies and engaging learning environment to ensure holistic development of students. The teaching-learning strategies are re-examined and syllabus is revised at regular intervals to maintain and sustain the interest of the learners. The students are skilled not only in the subject domain but they are also given opportunities to develop multidisciplinary understanding through Choice-based Credit System wherein the students have the liberty to choose the general elective courses of their choices.

Examination and Evaluation

The implementing of e-governance in the examination is very essential to keep in mind that the complexity and timely delivery of services to the students. As of now the examination branch is putting all efforts in making automation in all the activities and following e- governance initiation has been undertaken. The student register

to subjects/credits for all the semester and the examination form is fully online. The result publishing and tabulation is partially automated but fully computerized. The question paper setting is fully digitally. In addition, to that National Academic Depository (NAD) is implemented. To conduct of examination and secrecy is utmost via barcoded answer booklet. All the marks cards and degree certificate are having more than five latest security features. Further, the student record is maintained in soft copy. The student request for service done via email. All the fees are collected through e-mode/through bank. Exam Hall tickets are issue online. Still the few areas which requires e-governance to reach out end to end automation of examination cycle from filling of registration form to issue of degree certificate including entry of internal and external marks, printing of marks card etc. Introduction of online on demand Examination using e-platform.

Research and Development

The important quality improvement strategies pursued by the University in research and development include— adoption of UGC minimum standards and procedure for award of Ph.D Degrees Regulations, 2016 and UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 admissions in research programmes through Central Universities Common Entrance Test (CUCET). The provision of minimum residency period of two years mandatory for PhD programme and zero tolerance against plagiarism and intellectual theft. The University also provides financial assistance, in the form of Non-NET Fellowship, to all the research scholars who are not covered under Junior Research Fellowship. In addition, the facility to check thesis/dissertation/projects/papers for faculty plagiarism via Turnitin user licences for plagiarism detection software for students is provided. The regular training programmes/workshops are organised to train researchers on writing effective research papers, undertaking research projects, etc. Academic Integrity and Misconduct Policy is available online at university website

<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>The university library is facilitating more number of digital resources that are accessible remotely that too at full-text level. For the effective use of the subscribed e-resources, the library is organizing more number of user literacy programmes. This approach has increased the usage of resources. The ICT Section of the University is facilitating hardware and software that are necessary for teaching and learning processes. The virtual classrooms are effectively utilized for creating e-content and the same is being uploaded on the University website for wider use of resources. The high end central instrument facility is under construction and high end equipment's are under procurement via HEFA grant</p>
<p>Human Resource Management</p>	<p>The University has devised a well-defined mechanism for redressing the grievances of students, teachers and non-teaching staff. The ordinance of the University provides grievances redressal mechanism</p>
<p>Industry Interaction / Collaboration</p>	<p>To focus on the importance of industry interaction/collaboration in curriculum designing, training and placement, the University has entered into collaboration with industry partners and sector skill council, particularly for designing of professional courses and training of students. Better interaction between university and industry is the need of the hour. With the advent of globalization and opening up of Indian economy to the outside world, competition among industries has become stiff. There is an urgent need to prepare students for jobs in multinational companies, by exposing them to newer technologies and engineering methodologies. These objectives can only be achieved well by bridging the gap between industry and the academic institute. University-Industry linkages refer to the interaction between firms and universities with the goal of solving technical problems, working on RD, innovation projects and gathering scientific as well as technological knowledge. Industry experts have also been nominated in the BoS of various departments offering professional</p>

courses for having relevant inputs on industry skills required to be imparted to students. Some MoU(s) was done with various companies for skill training, internship and placement

**Admission of Students**

The University now offers 78 programmes of study under 38 departments and 12 Schools of Study with enrolment of more than 2800 students. The University offers admission through Central Universities Common Entrance Test (CUCET). With quality parameters for the admission process in place, at the age of 13, the Central University of Rajasthan now claims of NAAC accredited Grade 'A' university, having more than 40 of students from 28 different states and UTs other Rajasthan. Also, the University has always been successful in maintaining encouraging enrolment of female students and there is a constant increase in the number of female students. The University's focus on the promotion of diversity, inclusivity, and outreach. Further it also attract foreign students via ICAR.

**6.2.2 – Implementation of e-governance in areas of operations:**

E-governance area	Details
<p><b>Administration</b></p>	<p>The School Board may, with the approval of the Academic Council, provide for the minimum requirement of courses in a programme and examination thereof. Each course shall be allotted credits depending on the quantum of work required to be done for teaching / learning of the course in a semester. The assigning of credits to a course shall be based on the principle that one hour of theory lecture or tutorial per week shall be allotted one credit while two/three hours of practicals / field work in a week shall carry one credit</p>
<p><b>Finance and Accounts</b></p>	<p>The University has established statutory bodies like Academic Council, Executive Council and Finance Committee. All the decisions of the University have been taken by the appropriate statutory bodies. The proceedings of these bodies are available on the University Website. Central University of Rajasthan is committed to the quality improvement in all aspects of administration. The University aims to introduce the</p>

	<p>qualitative and reformative changes in consonance with the contemporary trends in higher education. This Manual will further streamline the administration of the University for speedy disposal of files and effective execution of policy decisions.</p>
Examination	<p>The current aim of the university is to provide quality, employable higher education in completely digitalized form. For success of this the finance department collects all form of fee viz. admission fee, examination fee counselling fee and other related fees, that has been decided by the admission committee, examination committee, accreditation board, finance committee, executive committee and other. The Finance Committee considered the proposal for creation of 95 (short-fall) non-teaching positions and recommended that the University will take necessary action for sending the proposal to UGC for sanction towards creation of create non-teaching position and the same be placed before the Executive Council for approval.</p>
Student Admission and Support	<p>To achieve the target of Paperless IQAC , committee members of it started using Google facilities like Google sheet :- For data collection from Various Departments. Google Docs :- To prepare notices and activity reports. Google Forms :- To prepare Feedback forms and get Online feedbacks of Students, Parents. Google Drives :- To keep all department wise proofs ICT has been introduced in the</p>
Planning and Development	<p>Central University of Rajasthan taken admission through CUCET student admission for the year 2017-18 is partially implemented online. Any other quires related to admission Contact details regarding Admission/Counselling Queries on university website.</p>

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	Prof. J K Prajapat	International Conference on Computational	Poland	105000

		Methods and Function theory 2017		
2017	Dr. L K Sharma	International Conference	NA	59762
2017	Dr. Neeraj Panwar	International Conference	NA	34839
2017	Dr. Sanjay Arora	CARS International Conference	University of Poland	64000
2017	Prof. J K Prajapat	21st Conference of the International Federation of operation Research Section	NA	110000
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Three Days Training Program on MOOCs	Hindi Rajbhasha programme	12/03/2018	14/03/2018	59	32
2018	Four Weeks Induction Training Program for Faculty Members of HEIs	Comuter Skills programme	01/05/2018	26/05/2018	61	42
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Three Days Training Program on	27	12/03/2018	14/03/2018	2

MOOCs				
Four Weeks Induction Training Program for Faculty Members of HEIs	60	01/05/2018	26/05/2018	26
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
115	115	86	86

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
0	0	0

**6.4 – Financial Management and Resource Mobilization**

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

CURAJ regularly conducts internal and external financial audits. It has a full-time Treasurer and Accounts Department since inception to ensure maintenance of annual accounts and audits. 1.The following agencies conduct regular financial audit in the Institute: External Audit: External Audit is conducted by the following: (a) CAG through Auditor General (AG) Jaipur. (b) Chartered Accountant of the Institute Internal Audit: Internal Audit is conducted by an Internal Auditor. 2. AG, Jaipur conducts statutory audit covering all financial and accounting activities of the Institute. This includes scrutiny of the following: (a) all receipts from fee, donations, grants, contributions, interest earned and returns on investments (b) all payments to staff, vendors, contractors, students and other service providers.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
UGC	111227000	Recurring Exp.
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

3710000
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**6.5 – Internal Quality Assurance System**

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Academic Council	Yes	Academic Council
Administrative	Yes	Finance Committee	Yes	Finance

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

NA

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

Departmental and Faculty Presentations maintain semester wise The entire Departments Academic Audit Administrative Audit of all the Sections Standard Operating Procedure (SOP) for administrative branches

6.5.4 – Development programmes for support staff (at least three)

Yoga Computer Skills Programmes Fit India Movement Programme

6.5.5 – Post Accreditation initiative(s) (mention at least three)

The first cycle of NAAC Accreditation in 2016 has served as a pointer towards the aspects of the University that could be expanded or improved upon. We were unable to comply with the schedule for the second cycle of NAAC Accreditation after four years. Our strength, to form the IQAC Committee as suggested by NAAC with wide range of academic diversity which include all schools deans and three external members to make IQAC functional and decided to go for the second cycle in 2021.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2017	Audit of all the administrative sections and its followup	12/08/2017	12/08/2017	12/08/2017	7
2018	Assessment of Academic and Research Activities by the Vice Chancellor	15/03/2018	15/03/2018	15/03/2018	45
2018	Conducted for academic Administrative Audit (AAA)	07/07/2018	07/07/2018	07/07/2018	15

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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)



Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
A talk on The measures for women empowerment with interactive session	21/08/2017	21/08/2017	40	25
Gender Champions', a street play (Nukkad Natak) Aayna	12/09/2017	12/09/2017	42	15
SPARSH sensitization sessions at various schools	01/02/2018	28/02/2018	36	19
SPARSH sensitization sessions for administration and office staff	01/02/2018	28/02/2018	32	29
Sensitization session and screened the film 'DOR'	26/04/2018	26/04/2018	39	21

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

The university is the first in the state of Rajasthan and among the 12 central universities formed by the HRD ministry in February 2009 by an Act of Parliament, the Central Universities Act 2009 to have successfully channelized solar energy to meet a part of daily requirements. A state with abundant sunshine should have set an example in using solar energy to meet most of its requirements, is still a distant dream. But, the Central University of Rajasthan, in a first-of-its-kind initiative, has shown the way by meeting 60 of its energy needs through solar energy. The university campus has four buildings with a monthly requirement of 600 kilowatt electricity, of which 420 KW is generated by solar panels. In addition to being renewable source of energy and eco-friendly, the method is also proving to be cost effective for the university. University is now planning to install four solar units of 30 KW each and one of 1 megawatt in the upcoming time to become the first university in the country to run 100 on a renewable source of energy. The university lies in the tropical region Ajmer district, Rajasthan and receives enough sunlight to meet 100 energy requirements. Fulfilling its commitment of promoting 'sustainable development', the university has installed 62 electric poles of 400 watt each across the university driven by solar panels. These solar lights automatically become active after sunset and switch off automatically during sunrise. Throughout the day the cells recharge themselves to a level that they could run for 16 hours. Furthermore, the solar energy is also Used for heating 20,000 liters of water every day in each of the four buildings of hostel to

provide uninterrupted supply of hot water during winter. Fans, tube lights, computers and other equipment's below 9 KW can be operated by solar energy.

Once the upcoming projects will be completed, the university will join the league of world's few academic institutions promoting sustainable development. The day is not so far when the university will attain self-reliance in terms of power requirement

#### 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	5
Rest Rooms	Yes	5
Scribes for examination	Yes	5
Special skill development for differently abled students	Yes	5

#### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2017	3	3	01/09/2017	2	Clean Ness	Clean India	45
2017	12	2	07/07/2017	5	Educational and Social Awareness rallies	Educational and Social Awareness rallies	34
2018	2	1	02/05/2018	1	Blood Donation	Blood Donation	15
2018	2	1	05/05/2018	1	National Cyber Security Awareness	Cyber Security	10

[View File](#)

#### 7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Handbook	31/03/2018	1.Act: Definitions Objects Powers Jurisdiction of CURAJ Officers and various authorities of the University, such as

Court, Executive Council, Academic Council, etc. 2. Statutes: the constitution, powers and duties of authorities and other bodies, qualification and disqualification of such authorities, appointment, powers duties of Officer of University and their terms and conditions of service power and duties, administration of University, Selection Committee, Appointments, Seniority, maintenance of discipline of Students, Students Council etc. 3. Revised/ amended/ new Statutes: School of Studies, Academic Departments, Planning and Monitoring Board, Selection Committee, term of Vice-Chancellor, Executive Council, Academic Council, Appointment of Head of the Departments, Dean of Students Welfare.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Vigilance Awareness Week and Birth Anniversary of A P J Abdul Kalam	26/10/2017	01/11/2017	221
Teacher's Day Celebration	05/09/2017	05/09/2017	1206
International Volunteer day	05/12/2017	05/12/2017	98
<a href="#">View File</a>			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The buildings in CURAJ are designed in such a manner where energy conservation techniques is implemented. CURAJ was able to successfully build and occupy the new buildings constructed with sustainable building concepts. Green buildings are a happy sign of the times, with a growing awareness on carbon emissions. It doesn't take much to make a building green: utilize locally available material, make the best use of sunlight and natural air currents, harvest rainwater and recycle corporation water, and manage waste efficiently. It accomplished this through the coordination of a number of disparate resources that dovetailed with those sustainable techniques. Surpassing ECBC with cavity walls of 2" thickness extruded polystyrene insulation roof slab with 3" polyurethane

insulation to reduce heat gain - windows protected from direct solar exposure with the help of horizontal shading devices precast vertical 'Jalis'' a vernacular design feature of the region. The essential area of window glass is with high performance glazing. Use of local stone for external cladding. In the master plan, courtyards / enclosed spaces emphasize, cut outs in student's hostels, passive systems viz. earth air tunnel, geothermal heat exchange and two stage evaporating cooling. The existing Building Thermal Performance

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices Since inception of the Central University of Rajasthan, efforts are being made to develop its campus on green concepts particularly focus on water conservation, use of alternative sources of energy, solid waste management, vermicomposting, green belt development, sustainable architectural designs of building etc. In a short period of time, CURAJ campus has emerged as a model campus which gives a message to the community and other organizations that under the natural stresses like of Rajasthan, we can solve the problem of water crisis to mitigate the impacts of regional as well as global environmental challenges to a greater extent. While experiencing CURAJ campus life, our students must learn about the threats to our environment and how to develop long term strategies for environmental conservation and its proper management for our present day needs and for our generations to come. It is our moral duty to put our actions and efforts following the motto of the university - Education for Sustainable Development. Objectives of the practice • Visualize a clean, pollution-free ambience considering welfare of the Institute's fraternity • Energy conservation through renewable energy harnessing techniques • Reduce, reuse and recycle in effective management of solid and liquid waste Context National goals to be achieved from grassroots level declare two main objectives - waste management for productive use and energy conservation promoting green measures. It is highly essential that Higher education Institutions should emerge as role models in delegating these national goals which in the long run would contribute to global goals, especially Sustainable Development Goals (SDGs).

Practice I. Green Practices: Specific building blocks of the practice are streamlined under: Building block 1: Waste management • Collection and segregation at source: Proper collection and segregation of waste occurring in every nook and corner of the two campuses is ensured by delegating the activity to outsourced housekeeping facilities, enabled through deployment of collection bins of various capacities (80 big and 280 small bins), trolleys (2), 14 joy waste bins, Cement ring bins (3) and Corporation allotted two bins of one and two ton capacity. Solid waste decomposition: • Organic waste realized as leaves, and garbage from hostel kitchen, fruit stall and canteen are composted adopting aerobic static pile method and the compost realized thereby are periodically sold out. Vermi-composting of organic waste using EM technology is also practiced. Sewage (liquid waste) treatment: To render safe the sewage realized from the campus sewage treatment plants Safe e-waste disposal appropriate actions are taken annually to dispose e-wastes generated safely. Resourceful disposal of other wastes Other wastes that arise are successfully used up through appropriate up cycling and recycling procedures b. Energy Conservation: The building blocks set for this aspect include Solar water heaters: Hostel terraces are fitted with solar water heaters II. Smart Practices: Specific building blocks have been devised to initiate smart practices too in the Institute and they include: E campus (e governance) • E-waste disposal through periodical condemnation and buy-back procedure e-wastes including computers, accessories, UPS and batteries are disposed safely. The practice helps to gain financially on purchase of new products too. Maintaining batteries in well ventilated storage spaces lessens maintenance costs.

Observing days of environmental significance, use of LED bulbs in all places for power saving, Pro-active Eco-club, maintaining a total green area • Organized conferences/ seminars on energy conservation green architecture Success of Smart practices. The smart practices introduced have left tell-tale evidences of success through the following • Integration of RFID for Book access • Online fee payment integration • Biometric entry records • Video-conferencing • Entire student body enrolled in NAD • Cyber security - surveillance • Interactive boards in classrooms • Digital display boards • LED display boards • Alerts in SMS, Email and Whatsapp groups • Digital library

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.curaj.ac.in/group/igac-naac>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The primary objective of Central University of Rajasthan is to provide high-quality higher education to students by launching new academic programs and courses, as well as organizing academic and extracurricular activities. CURAJ is nurturing research by establishing state-of-the art research facilities and via academic partnerships with prestigious institutions. The University has two distinguishing characteristics: first, motto Sustainable Development after and second, Green Solutions. Since, its inspection, university considers quality higher education with sustainable development via it opening new courses as an important tool to establish such values. This value is even more important because this university is located in Rajasthan, a desert land and with severe water scarcity. The following are some of successful efforts made by the University that makes the University unique and distinct: In order to promote green initiative and increased awareness of water conservation and rain water harvesting and various other the efforts yielded positive results. To accomplish this objective the university has initiated documentation, preservation and promotion of the traditional knowledge of Rajasthan, by organizing in-residence workshop that allow students to interact with their inherent knowledge for scientific validation. Under the "Unnat Bharat Abhiyaan," a team of faculty members maintains constant liaison with villagers from five villages to improve their health and hygiene, education, and other support systems. Initially innovation cells set up with the aim of identifying, encouraging, and fostering scientific talent within the CURAJ family as well as surrounding areas. To develop this culture in CURAJ, started conducting sessions on innovations, start-up's and entrepreneurship. The primary mandate of innovation cells is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are in campus. Innovation cell puts in concerted efforts to identify grass-root innovators from neighbouring villages in varied domains such as agriculture, engineering, etc. following are the objectives: • To develop a friendly innovation ecosystem among the faculties, staff and students where majority of stakeholders remain motivated for doing innovation in any area of their interest that is beyond the boundaries of departments. • To establish "National Innovation and Startup Policy for students and faculties" in the CURAJ • To create a vibrant local innovation ecosystem, Start-up supporting Mechanism in HEIs, Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas • To facilitate interaction between the teaching / student communities and grass-root innovators, Mentoring of grass-root innovators to facilitate the transfer of technology to the society

Provide the weblink of the institution

## **8.Future Plans of Actions for Next Academic Year**

The University is sensitive about the academic eco-system and stake holders. All faculty members will be motivated and necessary seed help will be given to bring projects and funds, among other things. University is also to synergize the teaching with research and another importance area of the University is to cover the researcher's density and enhanced collaboration. The university is appointing Director Research and Training and Placements officers, to improve academic excellence and target-oriented research. The university established integrated University Management System (IUMS) - an e-governance initiative and currently, University has switched over to Samarth- an RP initiative of Govt. of India. Integrated University Management System (IUMS) ERP (Enterprise Resource Planning) is being used actively by various sections like examinations, financial accounting, online fee payments, hostel activities etc. IUMS helped the university to follow complete online payment procedure as well as preparation and declaration of results of various examinations conducted by the university in the academic year. University seeks to have a robust and fully functioning Learning Management System (LMS), which will bring qualitative improvement in academics and efforts will be made in this direction. IPR policy, academic inventors shall be encouraged to undertake patents by offering incentives. A well-defined budgeting process will be created for the same. University is making all efforts to enhance the quality of teaching and conducting research with innovations. The university is analyzing the learning outcome based curriculum frameworks at undergraduate level and mapping the essential elements for innovative and quality teaching learning processes. The cluster based interdisciplinary researches having potential to transform knowledge into value addition in a multidisciplinary environment will be encouraged. The autonomy at all level university has resolved to exercise the funds requirements at department level as per their needs. Accordingly, budget preparation will include the inputs obtained from departments. Additional resources will be mobilized through corporate social responsibility (CSR). The academic resources including the instruments, research facilities and smart class rooms, etc. will be optimized. Alumni associations will be sensitized and involved at different level of teaching learning process including statutory bodies. The blended mode of learning as per the UGC guidelines has already been adopted and implemented. Efforts will be made to improve the quality of the delivery and improving the infrastructure for the same. The university envisions holistic development for the students, and so, student involvement in NCC, NSS, sports, yoga etc. will be made an indispensable part of course structure for creating well-rounded individuals. University is making efforts to transform the campus as a green campus and significantly enhancing the usage of renewable energy by installing solar panels. The university intends to improve its ranking and perception. Thus, we plan to conduct various audits such as Green Audit, Safety Audit, Gender Audit, and ISO certification.