



## Yearly Status Report - 2019-2020

### 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-08, Village Bandarsindri, Tehsil Kishangarh Dist. Ajmer, State - Rajasthan, India 305817
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		
AQAR Preparation	19-Oct-2019 45	12
Feedback from Students	11-May-2020 1	110
Teacher CAS Promotion	01-Apr-2020 5	15
Updation of Alumni Database	01-Feb-2020 36	12
<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	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>	
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.	
<a href="#">View File</a>	
<b>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</b>	
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
<a href="#">View File</a>	
<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
Name of Statutory Body	Meeting Date
Dean Committee	06-May-2022
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2020
Date of Submission	09-Jun-2020

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
Integrated(PG)	NA	NA	01/08/2019
<a href="#">View File</a>			

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
Integrated(PG)	Computer Science	01/07/2019	Database Management System Lab IMSCS	01/07/2019
Integrated(PG)	Computer Science	01/07/2019	C Programming Lab IMSCS	01/07/2019
Integrated(PG)	Computer Science	01/07/2019	C++ Programming Lab IMSCS	01/07/2019
Integrated(PG)	Computer Science	01/07/2019	Data Structures Lab IMSCS	01/07/2019
<a href="#">View File</a>				

##### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Integrated(PG)	Linguistics	01/05/2019
MSc	Sports Biomechanics	01/07/2019
BTech	Computer Science and Engineering	01/07/2019

BTech	Electronics and Communication Engineering	01/07/2019
MSc	BIO-101 Biology-I (T) Diversity of Life	01/06/2019
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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	01/07/2016
MSc	Atmospheric Science	01/07/2016
MSc	Biochemistry	01/07/2016
Integrated(PG)	Biochemistry	01/07/2016
MSc	Biotechnology	01/07/2016
Integrated(PG)	M.Sc. B.Ed. Chemistry	01/07/2016
MSc	Chemistry	01/07/2016
Integrated(PG)	Chemistry	01/07/2016
MCom	Commerce	01/07/2016
Integrated(PG)	Computer Science	01/07/2016
MSc	Computer Science	01/07/2016
MA	Culture and Media Studies	01/07/2016
MA	Economics	01/07/2016
Integrated(PG)	Economics	01/07/2016
Integrated(PG)	M.Sc. B.Ed. Economics	01/07/2016
MSc	Environmental Science	01/07/2016
MBA	Management	01/07/2016
Integrated(PG)	Mathematics	01/07/2016
Integrated(PG)	M.Sc. B.Ed. Mathematics	01/07/2016
MSc	Mathematics	01/07/2017
MSc	Microbiology	01/07/2016
Integrated(PG)	Physics	01/07/2016
Integrated(PG)	M.Sc. B.Ed. Physics	01/07/2016
MSc	Physics	01/07/2016
MA	Public Policy, Law & Governance	01/07/2016
MSW	Social Work	01/07/2016
MA	Statistics	01/07/2016
MSc	Statistics	01/07/2016
Integrated(PG)	Statistics	01/07/2016
MSc	Yoga Therapy	01/07/2017

MSc	Linguistics	01/07/2019
MSc	Sports Biochemistry	01/07/2018
MSc	Sports Nutrition	01/07/2018
MSc	Sports Physiology	01/07/2018
MSc	Sports Biomechanics	01/07/2019
BTech	Electronics and Communication Engineering	01/07/2019
BTech	Computer Science and Engineering	01/07/2019

### 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)	01/07/2019	2
M.Sc. Atmospheric Science	01/07/2019	8
Integrated M.Sc. Biochemistry	01/07/2019	11
M.Sc. Biochemistry	01/07/2019	5
Ph.D. Biochemistry	01/07/2019	2
<a href="#">View File</a>		

#### 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	2
Integrated(PG)	Integrated M.Sc. Biochemistry	2
MSc	M.Sc. Biochemistry	3
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

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.

## 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
Integrated(PG)	Physics	30	5394	30
Integrated(PG)	Chemistry	30	5181	27
Integrated(PG)	Mathematics	30	5047	27
MSc	Biotechnology	23	3792	18
Integrated(PG)	Biotechnology	30	3709	32

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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
2019	310	1563	10	149	78

### 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
159	159	47	3	3	154
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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
1952	153	1:13

**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
248	150	98	32	144

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 receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Vishvanath Tiwari	Assistant Professor	Chancellors Award for the Best Faculty-2019, Central University of Rajasthan, Ajmer
2019	Dr. Vijay Kumar Prajapati, National	Assistant Professor	Prof. Umakant Sinha Memorial Award, Indian Science Congress Association
2019	Prof. Sanjib K Panda	Professor	Shizuoka University Visiting professor award
2019	Dr Jay Kant Yadav	Assistant Professor	Received travel grant accomodation,

			and a special award for delivering invited lecture
2019	Dr. Vishvanath Tiwari	Assistant Professor	Associate-2019 by Indian Academy of Sciences, Bangalore
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## 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	29/05/2020	22/07/2020
MSc	MSATS	IV	10/05/2020	04/06/2020
MSc	MSBC	IV	10/05/2020	11/06/2020
MSc	MSBT	IV	10/05/2020	04/06/2020
MSc	MSCH	IV	10/05/2020	24/06/2020
<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
6	1952	0.31

## 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/academic-program>

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	Sustainable Architecture	7	7	100
MSATS	MSc	Atmospheric Science	6	6	100
MSBC	MSc	Biochemistry	4	4	100
MSBT	MSc	Biotechnology	6	6	100
MSCH	MSc	Chemistry	7	7	100

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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://www.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
International	Dr. Easwar S. Department of Chemistry	DST (India) - Academy of Finland Mobility Research Grant Award	01/07/2019	DST, India
National	Dr. Hemlata Manglani Department of Economics	IMPRESS ICSSR	12/03/2019	Impress ICSSR
National	Dr. Ram Kishor Department of Mathematics	Visiting Associateship	01/08/2019	IUCAA, Pune
International	Dr. Vijay K. Verma Department of Mathematics	EMBO-Travel	26/02/2020	EMBO (European Molecular Biology Organization)

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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

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### 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	1095	DST SERB DST Inspired CSIR	1503	349

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### 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
Ar. Pushpak Pandit (Senior Urban Designer, Jaipur) External faculty for feedback and evaluation of M.Arch Sustainable Architecture for Sustainable Urban Design Studio (ARC 704) on 12.09.2019.	Architecture	12/09/2019
Workshop for EBSCO Information Services "Improvising Redesigning Search Strategies" at Department of Architecture on 26. September 2019.	Architecture	26/09/2019
Celestial Machanics and Dynamical Astronomy	Mathematics	07/01/2019
Gyan Course on E Business Models	Management	05/08/2019
Ar. Gagan Sharma (Senior Architect, co- founder Promandi, Jaipur) External faculty for feedback and evaluation of M.Arch Sustainable Architecture for Sustainable Architecture Design 1 (DSA 01) on 12.09.2019.	Architecture	12/09/2019
<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
0	0	0	Nil	0
No file uploaded.				

### 3.3.3 – 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
0	NA	NA	NA	NA	Nil
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
Biochemistry	2
Biotechnology	2

Chemistry	3
CMS	2
Commerce	1
Computer Science	1
English	3
Environmental Science	3
Hindi	3
Management	4
Microbiology	3
Physics	2
Statistics	3

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)
National	Hindi	13	0
National	English	9	0
International	Pharmacy	44	3.28
International	Microbiology	35	0.62
International	Biochemistry	29	3
International	Physics	24	3.24
International	Statistics	23	0
International	Environmental Science	19	2.2
International	Computer Science	16	0
International	Chemistry	14	5.14

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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	22
Microbiology	15
Social Work	9
Biotechnology	8
Public Policy, Law Governance	8
Education	6
English	6
Environmental Science	6
Hindi	6
Computer Science and Engineering	4

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

Patent Details	Patent status	Patent Number	Date of Award
Methodology for the detection and quantification of ferrous ions in plant tissue using 2,2-Bipyridyl	Filed	201931026400	02/07/2019
<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
Plant Microbe Interactions for Sustainable Agriculture in Post-Genomic Era	Agrahari RK, Singh P, Koyama, H, Panda S.K.	Current Genomics,	2020	54	Central University of Rajasthan	9
High throughput virtual screening reveals SARS-CoV-2 multi-target binding natural compounds to lead instant therapy for COVID-19 treatment	Naik, B., Gupta, N., Ojha, R., Singh, S., Prajapati, V.K. and Prusty, D.	International Journal of Biological Macromolecules	2020	48	Central University of Rajasthan	48
Analysis of the carrier conduction mechanism in 100 MeV <sup>70</sup> Ti ion irradiated Schottky barrier structures	Neeraj Panwar, Hema K Chourasiya, PK Kulriya, Sandeep Kumar	Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms	2019	119	Central University of Rajasthan	3
Enhanced exudation of malate	Bedabrata Saha,	Plant Biology	2020	82	Central University of	5

in the rhizosphere due to AtALMT1 overexpression in blackgram (Vigna mungo L.) renders increased aluminum tolerance	Dhaneswar Swain, Pankaj Borgohain, Gyana Ranjan Rout, Hiroyuki Koyama, Sanjib Kumar Panda				Rajasthan	
Differential oxidative stress responses in Brassica juncea (L.) Czern and Coss cultivars induced by cadmium at germination and early seedling stage	B.Chowdhara, P Borgohain, B.Saha, J.P. Awasthi, Sanjib Kumar Panda	Acta Physiologiae Plantarum	2020	62	Central University of Rajasthan	7
<a href="#">View File</a>						

### 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
Pkm2 Regulates Cardiomyocyte Cell Cycle and Promotes Cardiac Regeneration	Neha Singh	Circulation	2020	607	57	Central University of Rajasthan
Mammalian Atg8 proteins regulate lysosome and autolysosome biogenesis through	Gu Y, Princely Abudu Y, Kumar S, Bissa B, Choi SW, Jia J, Lazarou M, Eskelinen EL,	EMBO	2019	392	21	Central University of Rajasthan

SNAREs.	Johansen T, Deretic V					
Adult stem cell deficits drive Slc29a3 disorders in mice.	Nair S, Strohecker AM, Persaud AK, Bissan B, Murugandan S, McElroy Craig, Pathak R, Williams M, Raj R, Kaddoumi A, Sparreboom A, Beedle AM, Govindarajan R.	Nature Communications	2019	365	11	Central University of Rajasthan
Molecular mechanism of antimicrobial activity of chlorhexidine against carbapenem resistant Acinetobacter baumannii.	Deepika Biswas, Monalisa Tiwari and Vishvanath Tiwari.	PLoS ONE	2019	332	13	Central University of Rajasthan
Detection of adulteration in pure honey utilizing Ag0Graphene Oxide coated fiber optic SPR probes	,Vikas, Mahesh Kumar Yadav, Pradip Kumar,	Food Chemistry	2020	262	11	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/Seminars/Workshops	54	30	2	0
Presented papers	92	39	0	6



Resource persons	22	52	3	3
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### 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
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#### 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
Plantation Drive	NSS	9	40
Awareness Campaign on cleanliness at Noharia Village	NSS	9	60
Visit of Old Age home (Jai Ambey Sewa Samiti)Ajmer under the banner of Swachhta Pakhwara activities	NSS	3	60
Swachhta hi Sewa activities: cleanliness, awareness campaign with theli chhodo thela pakdo abhiyan, street play, making dustbins and bags, making a plastic monster for awareness, and awareness through digital/social media, plantation drive, marathon,	NSS	9	65

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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
NA	NA	NA	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 International Day of Yoga	CURAJ Yoga Dept.	Yoga	4	72
Swachh Bharat Mission	CURAJ Social work Dept	Clean Campus Activity	5	36
Consolidated Statistical Data	CURAJ Statistics Dept.	Data Management	6	10
Vigilance Awareness Week	University Level	Pledge	12	770
<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
Extension Lectures	19	University	1
Training	10	SERB, NIV	180
Research	3	IMPRINT2 ( DST SERB and MHRD)	1080
Joint Project	2	Govt. Agency (DBT)	1080
workshop on The Use of Digital Tools for Learner Autonomy	2	NA	1
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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
Project	M.Sc.	Department	01/01/2020	31/05/2020	1

Work	Dissertation	of Biotechnology, CURAJ			
Project Work	M.Sc. Dissertation	Department of Biotechnology, CURAJ	01/01/2020	31/05/2020	1
Project Work	M.Sc. Dissertation	Department of Biotechnology, CURAJ	01/01/2020	31/05/2020	1
Project Work	M.Sc. Dissertation	Department of Biotechnology, CURAJ	01/01/2020	31/05/2020	1
Project Work	M.Sc. Dissertation	Department of Biotechnology, CURAJ	01/01/2020	31/05/2020	1
Project Work	M.Sc. Dissertation	Department of Biotechnology, CURAJ	01/01/2020	31/05/2020	1
Project Work	M.Sc. Dissertation	Department of Biotechnology, CURAJ	01/01/2020	31/05/2020	1
Project Work	M.Sc. Dissertation	Department of Biotechnology, CURAJ	01/01/2020	31/05/2020	1
Project Work	M.Sc. Dissertation	Department of Biotechnology, CURAJ	01/01/2020	31/05/2020	1
Project Work	M.Sc. Dissertation	Department of Biotechnology, CURAJ	01/01/2020	31/05/2020	1
<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
Indian Institute of Tropical Meteorology, Pune	13/03/2020	Setting up an observatory for Lightning detection and collaborative research.	1
Department of Meteorology, Dhaka University	22/07/2018	collaborative research and exchange	5
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## 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
723	1881

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
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
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#### 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	
Text Books	32286	33634561	1997	2581695	34283	36216256
e-Books	487	3701243	0	0	487	3701243
Journals	85	2082200	79	1963650	164	4045850
e-Journals	12759	4096144	14244	6829677	27003	10925821
Digital Database	4	0	5	1525125	9	1525125

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##### 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
<b>No Data Entered/Not Applicable !!!</b>			

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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	757	19	1	0	0	21	30	1	0
Added	37	0	0	0	0	0	0	0	0
Total	794	19	1	0	0	21	30	1	0

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

1 MBPS/ GBPS

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
<b>No Data Entered/Not Applicable !!!</b>	

#### 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
379	533	1239	1741

##### 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)

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.

[https://curaj.ac.in/sites/default/files/Annual%20Report%202019-20%20%28English%29\\_Part%2001.pdf](https://curaj.ac.in/sites/default/files/Annual%20Report%202019-20%20%28English%29_Part%2001.pdf)

## 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	0	9050069
Financial Support from Other Sources			
a) National	sponsored fellowships/scholarships from DST, CSIR, ICSSR ETC.	0	8737344
b) International	0	0	0
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#### 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
Yoga and Meditation	31/07/2019	17	Central University of Rajasthan
Mentoring	01/07/2019	65	Central University of Rajasthan
Pre-Orientation Internship	31/12/2019	42	Department of Education
Mentoring	31/12/2020	27	Central University of Rajasthan
Remedial Classes	31/12/2020	24	ST/SC Cell, Government of India
NET Classes	31/12/2020	24	ST/SC Cell, Government of India
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#### 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
2020	Mentoring	30	30	14	12
2020	CSIR UGC NET coaching	17	0	0	0

2020	Remedial Coaching Classes	24	0	0	0
2020	NET Coaching Classes	10	0	10	0
2020	UGC OBC Remidail Coaching	27	0	0	2
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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
20	20	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
NA	0	0	NA	0	0
<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
2020	1	Int. M.Sc B.Ed (03 years)	Chemistry	Central University of Rajasthan	Ph.D
2020	1	M.Sc.	Chemistry	IIT Jodhapur	Ph.D
2020	1	M.Sc.	Chemistry	IIT ISM Dhanbad	Ph.D
2020	1	M.Sc.	Chemistry	NIT, Rourkela, Odisha	Ph.D
2020	1	Int. M.Sc (05 years)	Chemistry	BITS Pilani	Ph.D
2020	1	Int. M.Sc (05 years)	Chemistry	Bharatmata teacher;s training college, Kishanganj, Baran	B.Ed
2020	2	Int. M.Sc (05 years)	Chemistry	Central University	Int. M.Sc B.Ed

				of Rajasthan	
2020	2	Int. M.Sc (05 years)	Chemistry	IIT Kanpur	M.Sc
2020	1	M.Pharm	Pharmacy	BITS, Hyderabad	Ph.D
2020	1	M.Pharm	Pharmacy	IIT, BHU	Ph.D
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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	48
GATE	23
Any Other	5
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Handball League	Intra University	170
Volleyball League	Intra University	180
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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
<b>No Data Entered/Not Applicable !!!</b>						
No file uploaded.						

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 meet 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:

2765

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

1115900

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)

Central University of Rajasthan: 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. Vision: The Central University of Rajasthan aspires to be one of India's most dynamic and vibrant universities, responsive to the changing global trends, providing unparalleled educational opportunities for the learner community especially for those coming from the lower socio-economic strata of society seeking quality education. It proposes to offer innovative undergraduate and graduate academic programmes as well as continuing personal and professional enrichment in selected areas that will lead to the formation of a scholarly community by advancing, sharing and applying knowledge and by facilitating the development of thoughtful, creative, sensitive and responsible citizens. Mission: The mission of the Central University of Rajasthan is to contribute to and work with a sense of commitment towards the educational, cultural, economic, environmental, health and social advancement of the region and the nation at large by providing excellent undergraduate liberal education and quality programs leading to bachelors, masters, professional and doctorate degrees. Goals: To facilitate accessible and affordable quality education that equips the students with scholarly and professional skills, moral principles, and global perspectives • To strengthen both faculty and student research addressing basic and regional problems • To integrate national and international perspectives into our fundamental four-fold mission of teaching, research, extension and consultancy • To explore knowledge and wisdom in order to build a wealth of interdisciplinary academic resources indispensable for sustainable development to accomplish the status of a leading research-intensive university and to engage in transferring knowledge and technology to the community in order to strengthen and elevate the community potential, and to increase the competitiveness of India at the global level • To employ the strategy of proactive management of the university administration and to operate the system within a sensible framework of high-quality governance based on efficiency, transparency and accountability • To formulate the University as one of the best places in the world to attain intellectual skills and acquire an affirmative mindset to thrive in an increasingly internationalized and competitive job market simultaneously acting as responsible citizens of the global community by the inculcation of value-oriented education. Creation:

Central Universities Act 2009 A Union University or Central University in India is established by the Department of Higher Education, normally by Act of Parliament, unlike most universities which are established by state governments. The Government of India of has proposed 12 more Central Universities in Bihar, Gujarat, Haryana, Himachal Pradesh, Jammu and Kashmir, Jharkhand, Karnataka, Kerala, Orissa, Punjab, Rajasthan and Tamil Nadu. Objectives: Building character values and simultaneously forging the careers of the students by developing analytical thinking, individual initiative and responsibility • Providing flexible, innovative

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 sentient 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

Library, ICT and Physical Infrastructure / Instrumentation

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.

Human Resource Management

The curriculum of the Human Resource Management [HRM] programme adopts a multi-disciplinary approach the University.

Industry Interaction / Collaboration

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 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>Planning and Development</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</p>

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 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.

Administration

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 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.

Finance and Accounts

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

Student Admission and Support

Central University of Rajasthan taken admission through CUCET student admission for the year 2019-20 is partially implemented online.

<b>Examination</b>	<p>The students encourage to applying for the admission though various supported information to help them easy the admission process University shall offer all programmes of studies under semester system and examination and evaluation of students shall be through „Continuous Internal Assessment? (CIA) during the course consisting of 40 weight and the End of Course/Semester Evaluation (EoSE) of 60 weight in the overall evaluation. The CIA and EoSE shall be conducted under the general supervision of the Head of the Department who shall act as the Centre Superintendent for all exams of the Department. He/she shall arrange for the invigilation duties from amongst the faculty members and shall be responsible for the fair and orderly conduct of the examination. The faculty members shall be duty bound to perform the invigilation duties and/or all other tasks assigned to them by the HoD for smooth conduct of the exams.</p>
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### 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
2020	Dr. Bhumika Sharma	XXII Congress of ICLA	University of Macau	53000
2020	Prof. Arun K Pujari	Oral Presentation	China	22428
2020	Dr. Bhumika Sharma	XXII Congress of ICLA	University of Macau	13088
2020	Dr. Muzzamil Hussain	International Conference	PESI, Bangalore	10000
2020	Mr. Ravi Saharan	3rd International Conference	Ahemdabad	10000
2020	Dr, Pramod Kumar Nayak	Conference	IIT Kanpur	10000
2020	Dr. Ved Prakash	IACLALS Annual Conference	NA	10000
2020	Dr. Easwar Srinivasan	Conference	Central University of Jammu	10000
2020	Dr. Ajit K	International	CSIR - NIIST	10000

	Patra	Conference		
2020	Dr. Chinmay Malik	Conference	IIT BHU, Varanasi	10000
<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)
2019	Five Days Workshop on Teaching-Learning-Evaluation For faculty Members of HEIs	Hindi Rajbhasha programme	20/08/2019	24/08/2019	34	25
2019	Five Days Workshop on Research Informed and Research Oriented Teaching in Pharmaceutical Sciences	Comuter Skills programme	11/10/2019	15/10/2019	30	26
<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
Five Days Workshop on Teaching-Learning-Evaluation For faculty Members of HEIs	41	05/08/2019	09/08/2019	5
Five Days Workshop on Research Informed and	34	20/08/2019	24/08/2019	5



Research Oriented Teaching in Pharmaceutical Sciences				
Five Days Workshop on LOCF and CBCS system of UGC	30	11/10/2019	15/10/2019	5
Ten Days Workshop on Teaching-Learning-Evaluation for Faculty Members of HEIs	30	04/11/2019	14/11/2019	10
<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
150	150	91	91

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)

The University has also implemented e-governance in all spheres of planning and development. The tenders are floated at university website and also published in leading newspaper thus fully transparent system developed by the University. Infact, to help to research every school have a project purchase committee which submitted their request to central purchase committee (CPC) and they look their request and as per GFR implement the purchase. It is worthy to mention that e-governance strategies are used by various administrative sections to ensure the optimum utilization of funds

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	111741000	Recurring Exp.
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

22992533.26
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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)

Performance of the students share with the parents. Regular absence of classes information provide to parents by HOD mentor of the students inform students progress to the parents for academic development.

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

Five Days Workshop on Teaching-Learning-Evaluation For faculty Members of HEIs  
Five Days Workshop on Research Informed and Research Oriented Teaching in Pharmaceutical Sciences Hindi Rajbhasha programme Computer Skills programme

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

Teachers may be encouraged to acquire higher qualification through research Complete Automation of Library and digital and virtual library may be provided Students to be coached for NET, SLET and competitive examination and regular teaching hours may be increased:

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
Nil	NA	Nil	Nil	Nil	0
No file uploaded.					

## 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
Orientation program for the students on gender sensitization and awareness	13/08/2019	13/08/2019	12	20
A debate	01/10/2019	01/10/2019	20	25

competition on the topic "My Attire my Choice"				
Organized a Poster Competition	26/02/2020	26/06/2020	46	78

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
<p>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.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	Yes	4
Ramp/Rails	Yes	4
Rest Rooms	Yes	4
Scribes for examination	Yes	4
Special skill development for differently abled students	Yes	4
Any other similar facility	Yes	4

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
2019	4	2	01/08/2019	15	NSS	Swacchta Pakhwada	65
Nill	10	1	29/08/2019	1	MOE	Fit India Movement	600
Nill	2	1	07/08/2019	1	CURAJ	Plantation Drive	20

[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)
Information Hanbook	31/01/2020	<p>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</p>

## 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	26/10/2019	01/11/2019	164
Teacher's Day Celebration	05/09/2019	05/09/2019	1368
International Volunteer day	05/12/2019	05/12/2019	78
Yoga Day celebration	21/06/2019	21/06/2019	120
<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

? Students enthusiastically participate/ publish their ideas in National/International Conferences and Journals. ? Expert/Guest lectures are frequently conducted for students by Industry Professionals to impart knowledge of the latest trends in Industries. ? Technical events are organized to improve the professional and technical skills of students to enhance their employ ability. ? Every Department conducts add-on courses/certification courses for students to enhance their technical skills.

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

<https://www.curaj.ac.in/>

## **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.