



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	CENTRAL UNIVERSITY OF JHARKHAND
Name of the head of the Institution	Prof. Nand Kumar Yadav Indu till 24th August 2020, Prof. R.K Dey (Vice-Chancellor, Acting) Continuing
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	06531-294162
Mobile no.	7762893999
Registered Email	registrar@cuja.ac.in
Alternate Email	vc@cuja.ac.in
Address	Cheri- Manatu Campus, Ranchi
City/Town	Ranchi
State/UT	Jharkhand
Pincode	835222

<b>2. Institutional Status</b>																			
University	Central																		
Type of Institution	Co-education																		
Location	Semi-urban																		
Financial Status	central																		
Name of the IQAC co-ordinator/Director	Prof. Manoj Kumar																		
Phone no/Alternate Phone no.	06531294162																		
Mobile no.	9431901969																		
Registered Email	manoj.kumar@cuja.ac.in																		
Alternate Email	msinhabit@gmail.com																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="https://assessmentonline.naac.gov.in/public/index.php/postaccreditation/generatePDF_agar/eyJpdiI6Ild3eGJlaURZTnNxdlJcLlZ6eUw3bkdBPT0iLCJ2YWx1ZSI6ImRESit5aXVub0x1VmZDWXdLOThONFE9PSIsImlhYyI6ImMzODFmZDA3NWlxNDVkdzQ1NmE4NDA3ZWViNmNjMDZhMDU4OThlNGM2MTc2ZmZkOG">https://assessmentonline.naac.gov.in/public/index.php/postaccreditation/generatePDF_agar/eyJpdiI6Ild3eGJlaURZTnNxdlJcLlZ6eUw3bkdBPT0iLCJ2YWx1ZSI6ImRESit5aXVub0x1VmZDWXdLOThONFE9PSIsImlhYyI6ImMzODFmZDA3NWlxNDVkdzQ1NmE4NDA3ZWViNmNjMDZhMDU4OThlNGM2MTc2ZmZkOG</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="http://cuja.ac.in/downloads/acadcal2019200001.pdf">http://cuja.ac.in/downloads/acadcal2019200001.pdf</a>																		
<b>5. Accreditation 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 Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.34</td> <td>2019</td> <td>15-Jul-2019</td> <td>14-Jul-2024</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	B	2.34	2019	15-Jul-2019	14-Jul-2024
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	B	2.34	2019	15-Jul-2019	14-Jul-2024														
<b>6. Date of Establishment of IQAC</b>	15-Dec-2014																		
<b>7. Internal Quality Assurance System</b>																			

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Awareness Programme for Faculties & Students	30-Sep-2019 1	100
<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
Centre for Life Science	Department for Education and Research (BUILDER) Programme	Ministry of Science & Technology, Department of Biotechnology	2014 5	44311500
Centre for Excellence in Green and Efficient Energy Technology (CoE GEET)	FAST (Frontier Areas of Science and Technology)	Ministry of Human Resource Development (MHRD), Govt. of India, New Delhi.	2018 5	25000000
<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

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

- Career Assessment Scheme for teaching staffs
- Recommending Administrative and Academic workshop
- Covid19 awareness programme
- Conducting various Academic and Administrative Webinar
- IQAC Calendar

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**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
IQAC Webinar on PATENTS IPR. Governance Reforms in Administration for Local Leaders and Civil Society Organisation Career Guidance Programme Under the Placement Cell IQAC A Preparatory meeting for the 2nd Cycle of NAAC Assessment and Accreditation	Faculty members are educated regarding IPR and patent policy of GoI and formulation of draft policy of university Both teaching and nonteaching staffs are educated regarding role of university and civil society organization. Students and faculty members are educated regarding employment and employability. Discussion on NAAC assessment and accreditation.
<a href="#">View File</a>	

**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
IQAC	27-Jan-2020

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2020

Date of Submission

18-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 UMS system of the central university of Jharkhand made operational in the year 2015 initially for training purpose. The system worked till 2016 successfully. However, due to proposed shifting of campus from Brambe to CheriManatu, further the system is reestablished in CheriManatu campus. Now eSamarth has been implemented.

## 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
MSc	MAC	Chemistry	23/10/2019
MSc	MSLS	Life Science	30/08/2019
MA	ANT	Anthropology and Tribal Studies	01/07/2019
MA	FOLK	Folklore	01/07/2019
PhD or DPhil	PHDC	Chemistry	23/10/2019

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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
MCom	Commerce	01/08/2019	CFS611020 - Advanced Business Statistics	01/08/2019
MCom	Commerce	01/08/2019	CFS611040 - Corporate Financial Reporting & Analysis	01/08/2019
MBA	Business Management	01/07/2019	MGT611070- Business Communication	01/07/2019
MSc	Life Science	01/07/2019	BIO 512060-Pathology Lab	01/07/2019
MSc	Life Science	01/07/2019	BIO 512080-Industrial Microbiology lab	01/07/2019

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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
MCom	Commerce	01/07/2019
LLM	Human Rights	01/07/2019
Mtech	Transport Science and Technology	01/07/2019
MBA	2 Year MBA Program (AICTE model)	01/07/2019

MSc	Biostatistics and Bioinformatics	01/07/2019
MSc	Recombinant DNA Technology	02/12/2019
MSc	Immunology	02/12/2019
MSc	Bio-techniques	02/12/2019
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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
Mtech	Transport Science and Technology	01/07/2019
MSc	Life Science	01/07/2019
MCom	Commerce and Financial Studies	01/08/2019
MSc	Geoinformatics	31/01/2020

### 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
Research Methodology and IPR	05/08/2019	9
Personality Growth Lab	09/01/2020	62
Bioinformatics and Structure Biology Lab	01/07/2019	26
Immunology Lab	02/12/2019	40
Nanobiotechnology Lab	02/12/2019	15
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MA	Mass Communications	30
BEd	Education	94
MSc	Chemistry	47
MSc	Environmental science	26
MBA	5 year Integrated MBA	55
Mtech	Energy Engineering	33
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### 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 Students' Feedback on curriculum and teaching learning process is designed to get formative feedback from students that can be used towards the improvements in the quality of course design and delivery, as well as student learning experiences. Majority of the student population agreed that the syllabus is very much challenging and the allocation of credits is appropriate in relation to the level of course work. Also, majority of the students strongly agreed that the syllabus is covered by the teachers on time and the content provided in the syllabus is well sequenced which equipped them with necessary technical skills required for their professional areas. It is also observed from the students' feedback that few of them expressed the need of more ICT facilities. Feedback on various aspects of curriculum is sought from faculty members regarding provision of adequate time and resources for framing syllabus, coverage of both theoretical and practical components in the syllabus, the coherence of the syllabus with programme outcomes, involvement of the field experts while designing the syllabus, focus on necessary technical/teaching skills, ensuring components that inculcate ethical values, enlisting reference books, focus on flexible curriculum based on current trends, updated elective courses etc. As teachers play a pivotal role in designing and implementing the curriculum, the inputs received from their feedback was taken into consideration for further necessary action wherever applicable. Most of the parents expressed that the simplicity and fairness of the admission procedure of the University is excellent. Academic discipline in terms of timely conduct of lectures, practical and other activities is highly appreciated by them. Majority of the parents felt that quality of the teaching and training provided at the institution and its contribution to their wards overall personality development as excellent. The feedback from the alumni reveals that they feel proud to be a part of the institution and are willing to contribute to the development of the institution.

**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
PhD or DPhil	Mass Communications	1	190	1
LLM	Tribal and customary Law	14	48	10
Mtech	Energy Engineering	25	106	25
BEd	Education	110	2336	107
MSc	Mathematics	30	621	28
MA	Mass Communications	40	481	29

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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	10	1854	2	115	9

## 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
117	117	32	24	19	11972

[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)

The university has a dedicated mentoring system, department wise and batch wise for all departments. The admitted students of a given academic year, for a given programme, are distributed equally among the members of the faculty of the given programme. The 'Faculty Mentors' are the 'On-Campus Guardians' of the students, who look after the well-being and all-round development of the students. As the student mentees are a combination of residential and day-scholars, an 'On-Campus Guardians' is very helpful for them. The students can approach their Mentors whenever they need and the Mentor facilitates with a mature outlook for the problem or issue in hand. Especially for new students joining the institute, the fact that he/she can have a Mentor is a great step in soothing the anxieties and inhibitions that one has while coming to a new place. The Mentor is supposed to maintain a file of records of all the Mentees. The Mentor also keeps a track of the curricular, co-curricular and extra-curricular performance of the students during their academic life at CUJ and gives valuable feedback and help as and when possible. Moreover, the Counselling, Guidance and Placement Cell of the university is actively engaged in mentoring and guiding students with respect to their personal as well as professional growth.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2090	117	1:18

## 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
179	117	62	35	107

### 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	Prof. Dev Vrat	Professor	Member of



	Singh		Editorial Board, Journal of Communication, International Journal of Communication, Gurugram, Haryana
2019	Prof S K Samdarshi	Professor	MNRE Project Evaluation
2019	Prof S K Samdarshi	Professor	Academic Council Member, Nagaland University
2019	Dr. Purabi Saikia	Assistant Professor	PHSS Foundation Young Women Leadership Award 2018-2019 from Prof. H. S. Srivastava Foundation for Science Society, Lucknow
2019	Dr. Basudev Pradhan	Assistant Professor	Associate Editor, Applied Physics A(Springer)
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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
MSc	MAC	4	28/08/2020	17/11/2020
MSc	IAC	10	28/08/2020	28/08/2020
MSc	MEVS	4	28/08/2020	03/09/2020
MSc	IEVS	10	28/08/2020	03/09/2020
MA	MIR	4	28/08/2020	27/11/2020
MA	IIR	10	28/08/2020	27/11/2020
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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
Nil	1935	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)

<http://cuja.ac.in/NAAC/CurrAsp/Syllabus.php>

## 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
IMBA	MBA	Business Management	27	27	100
MAC	MSc	Chemistry	23	23	100
IAC	MSc	Chemistry	19	19	100
BABED	B.A.BED	Education	90	89	98.9
MEE	Mtech	Energy Engineering	18	17	94.4
IEE	Mtech	Energy Engineering	34	33	97.1

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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)

<http://www.cuj.ac.in/IQAC/DOWNLOADS/Feedback%20Analysis..pdf>

## 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	Nil	Nil	Nil	Nil
International	Nil	Nil	Nil	Nil

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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
JRF (1, Environmental Science)	1825	UGC
JRF (1, Life Sciences)	1825	UGC
JRF (2, Mathematics)	1825	UGC
NISAR Biomass (Geoinformatics)	1095	ISRO
Rajiv Gandhi National Fellowship	1095	UGC
Project Associate (Physics)	1095	UGC-DAE-CSR-Kolkata
Inspire fellow	1825	DST
Project Assistant	1095	DST-SERB

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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	UGC, New Delhi	360	180
Major Projects	1085	DBT, New Delhi	40	10
Major Projects	1460	SAC, Ahmedabad	24.3	2.1
Major Projects	1095	SAC, Ahmedabad	22.4	3.88
Major Projects	1095	SERB, New Delhi	39.29	25.83
Major Projects	1095	SERB, New Delhi	26.76	12.92
Major Projects	730	ICSSR, New Delhi	6.5	2.6
Major Projects	1095	UGC-DAE-CSR-Kolkata	12.2	3.93

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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
AICTE ATAL Sponsored Workshop on "Cyber Security"	Computer Science and Technology	16/09/2019
Three Week's Practical Training Program on Cyber Security/Digital Forensics	Computer Science and Technology	03/02/2020
2 days Online Webinar on " Emerging Technology for higher Education Post Covid 19"	Computer Science and Technology	16/05/2020
Trailblazer	Business Administration	23/10/2019
National Webinar on Pertinent Strategies Technologies in Business Environment for Post COVID 19	Business Administration	12/05/2020
Two-Day Awareness Workshop on Energy Conservation Building Code (ECBC)	CoE-GEET with DEE	21/08/2019

International workshop on Energy Policy Initiatives in Jharkhand	CoE-GEET with ISEP, John Hopkins University, USA	08/01/2020
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### 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
Nil	Nil	Nil	Nil	Nil
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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
Incubation Centre	Yet to be decided	ABVIL Govt. of Jharkhand	Nil	Nil	25/07/2020
Nil	Nil	Nil	Kaagaz: A Paper Waste Management Company	Paper waste management	25/07/2020
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## 3.4 – Research Publications and Awards

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

Name of the Department	Number of PhD's Awarded
Mass Communication	2
Nanoscience and Technology	2
Chemistry	2
English	3
Environmental Sciences	1
Business Administration	1
Life Science	4
Mathematics	1
Tribal Studies	1
Energy Engineering	1
Far East Languages	2

### 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	Water Engineering	5	1.96
International	Energy Engineering	11	8.44
International	Environmental Sciences	15	4.86
International	Life Sciences	9	3.51

International	Nanoscience and Technology	8	3.83
International	Chemistry	9	3.06
International	Physics	23	4.62
International	Geo-Informatics	27	1.84
International	Business Administration	3	1.42
International	Mathematics	2	0.92
<a href="#">View File</a>			

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
Chemistry	2
English Studies	2
Business Administration	3
Nanoscience and Technology	1
Mass Communication	2
Geo-informatics	9
Life Sciences	16
Transport Science and Technology	2
Environmental Science	22
Commerce and Financial Studies	4
<a href="#">View File</a>	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Method for growing Perovskite Quantum Dots on any material	Filed	62/923,074(US)	02/01/2020
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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
Highly Water-Soluble Rod-Coil Conjugated Block Copolymer for Efficient	Khawas, KoomkoomDaripa, SoumiliKumari, PallaviDas, SantanuDevy, RatanKumarKuila, Biplab	Macromolecular Chemistry and Physics	2019	4.98	Central University of Jharkhand	1

Humidity Sensor	Kumar					
A spiral shaped regenerative microfluidic fuel cell with Ni-C based porous electrodes	Ravi Kumar Arun, Anjali, Moumita Sardar, Preeti Singh, Bishnu Mohan Jha, Nripen Chanda	International Journal of Energy Research	2019	5.16	Central University of Jharkhand	1
Ensuring the completion of solar cooking process under unexpected reduction in solar irradiance	Atul A Sagade, SK Samdarshi, PJ Lahkar	Solar Energy	2019	5.74	Central University of Jharkhand	5
Solar Energy Materials, Dependence of photoactivity of niobium pentoxide (Nb <sub>2</sub> O <sub>5</sub> ) on crystalline phase and electrokinetic potential of the hydrocolloid, Solar Energy Materials and Solar cell	Neha Kumari, Kumar Gaurav, Samrat Paul, A.S. Bhattacharyya, S.K.S amdarshi	Solar Energy Materials and Solar Cells	2020	7.27	Central University of Jharkhand	6
Gold?Catalyzed Oxidative Alkyne Functionalization by N <sub>2</sub> O/S <sub>2</sub> O <sub>3</sub> ? O <sub>2</sub> /C <sub>2</sub> O <sub>2</sub> ? O Bond Oxidants	S Bhunia, P Ghosh, SR Patra	Advanced Synthesis Catalysis	2020	5.84	Central University of Jharkhand	5
Power-Generating Footwear	C. Rodrigues, A. Gomes,	Nano Energy	2019	19.9	Central University of	5

Based on a Triboelectric-Electromagnetic-Piezoelectric Hybrid Nanogenerator	A. Ghosh, A. Pereira, J. Ventura				Jharkhand	
The dark cloud with a silver lining: Assessing the impact of the SARS COVID-19 pandemic on the global environment.	Lal, P., Kumar, A., Kumar, S., Kumari, S., Saikia, P., Dayandan, A., Adhikari, D., Khan, M.L.	Science of the Total Environment	2020	6.6	Central University of Jharkhand	17
Late spring-frost risk between 1959 and 2017 decreased in North America, but increased in Europe and Asia.	Zohner, C.M., Mo, L., Renner, S.S., Saikia, P. et al.	PNAS (Proceedings of the National Academy of Sciences of USA)	2020	11.2	Central University of Jharkhand	7
Green tea (Camellia assamica) extract as an antioxidant additive to enhance the oxidation stability of biodiesel synthesized from waste cooking oil	Bharti, R., Singh, B.	Fuel	2020	6.609	Central University of Jharkhand	8
Predictions and Strategies	J. Li, B. Pradhan (joint 1st	Advanced Energy Materials	2019	29.4	Central University of	6

Learned from Machine Learning to Develop HighPerforming Perovskite Solar Cells(with coverpage)	author), S. Gaur, J. Thomas				Jharkhand	
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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
The dark cloud with a silver lining: Assessing the impact of the SARS COVID-19 pandemic on the global environment.	Lal, P., Kumar, A., Kumar, S., Kumari, S., Saikia, P., Dayandan, A., Adhikari, D., Khan, M.L.	Science of the Total Environment	2020	1	17	Central University of Jharkhand
Sorption of volatile organic compounds on non-activated biochar.	Kumara, A., Singh, E., Khapre, A., Bordoloi, N., Kumar, S.	Bioresourcetechnology	2020	1	13	Central University of Jharkhand
Solar Energy Materials, Dependence of photoactivity of niobium pentoxide (Nb <sub>2</sub> O <sub>5</sub> ) on crystalline phase and electrokinetic potential of the hydrocolloid, Solar	Neha Kumari, Kumar Gaurav, Samrat Paul, A.S. Bhattacharyya, S.K.S amdarshi	Solar Energy Materials and Solar Cells	2020	1	6	Central University of Jharkhand



Energy Materials and Solar cell						
Green tea (Camellia assamica) extract as an antioxidant additive to enhance the oxidation stability of biodiesel synthesized from waste cooking oil	Bharti, R., Singh, B.	Fuel	2020	1	8	Central University of Jharkhand
Late spring-frost risk between 1959 and 2017 decreased in North America, but increased in Europe and Asia.	Zohner, C.M., Mo, L., Renner, S.S., Saikia, P. et al.	PNAS (Proceedings of the National Academy of Sciences of the United States of America)	2020	1	7	Central University of Jharkhand
Foreign aid and growth nexus: Empirical evidence from India and Sri Lanka	Sethi N., Bhujabal P., Das A., Sucharita S.	Economic Analysis and Policy	2019	1	7	Central University of Jharkhand
Predictions and Strategies Learned from Machine Learning to Develop High-Performance Perovskite Solar	J. Li, B. Pradhan (joint 1st author), S. Gaur, J. Thomas	Advanced Energy Materials	2019	1	6	Central University of Jharkhand

Cells(with coverage)						
Power-Generating Footwear Based on a Triboelectric-Electromagnetic-Piezoelectric Hybrid Nanogenerator	C. Rodrigues, A. Gomes, A. Ghosh, A. Pereira, J. Ventura	Nano Energy	2019	1	5	Central University of Jharkhand
Analysis of Dielectric and Magnetic Phase Transitions in Yb(Fe <sub>0.5</sub> Cr <sub>0.5</sub> )O <sub>3</sub> Bulk Perovskite	T. Patri, P. Justin, P. D. Babu and A. Ghosh	Applied Physics A: Materials Science and Processing	2019	1	3	Central University of Jharkhand
Gold?Catalyzed Oxidative Alkyne Functionalization by N <sub>2</sub> O/S? O/C? O Bond Oxidants	S Bhunia, P Ghosh, SR Patra	Advanced Synthesis Catalysis	2020	1	5	Central University of Jharkhand
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	16	46	2	1
Presented papers	27	18	1	1
Resource persons	13	55	5	1
<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)
CoE-GEET (Energy Engineering)	Instrument/Characterization Charges	MNIT Bhopal NIFFT Ranchi	12000

Water Engineering and Management And Tribal and customary Law	Social Impact Assessment of construction of ISBT	Govt. of Jharkhand	821934
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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
Nil	Nil	Nil	0	0
No file uploaded.				

### 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
Awareness of Thalassemia and blood donation program on 6th February 2020	NSS, CUJ	1	66
To organize different awareness program on BhimraoAmbedkar as per UGC and NSS direction from 26th November 2019 to 14th April 2020	NSS, CUJ	5	200
Swachhta awareness to Cheri-Manatu village (Swachh Bharat)	NSS, CUJ	29	29
Poster Painting, Plantation, Swachh Awariness (Swachh Bharat)	NSS, CUJ	2	118
COVID-19 Prevention, Awareness and Role of Student Community	UNICEF Jharkhand, NSS, NCC	2	130
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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
Nil	Nil	Nil	Nil

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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
VIDYARTHI	CUJ	Swachh Bharat Abhiyan	5	25
Swachh Bharat Abhiyan	Department of English, CUJ	Awareness program in Brambe-Village, Ranchi	4	33
Google Fact Check	Google News Initiative	Fact-Checking Workshop	2	100
Google Fact Check	CUJ, Guru Jambheshwar University of Science and Technology, Hisar	E-Workshop on Fact-Checking and Data Verification	2	55
Radio Production	BIG FM, Ranchi	Five-Day Workshop	2	20
Special Lecture	CUJ, Central University of Himachal Pradesh	Lecture	1	30
Panorama	Audrey House, Govt. of Jharkhand	Lecture	1	50
Swachh Bharat Abhiyan	CUJ	To aware people for sanitation regarding collection and waste management in nearby village MUDAMA, Ranchi	2	10
Green Campus Initiative	CUJ	Green Campus Initiative	10	62
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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
Student Exchange	Dr Reuben J Umunna	ISEP, John Hopkins University	120
Student Exchange	1 student	CSIR-IIP	365
Student Exchange	4 student	CSIR-IICT	180
Research Grant	Dr. Purabi	MoEFCC	1825

(RD Project) with IISc. Bengaluru	Saikia& Dr. Amit Kumar		
Research Grant (RD Project) with Dr. Harisingh Gaur Central University, Sagar	Dr. Purabi Saikia& Dr. Amit Kumar	DBT	1460
Research Collaboration	Dr. Purabi Saikia& Dr. Amit Kumar	Global Forest Biodiversity Initiative (GFBI), USA	1460
Research Collaboration	Dr. Purabi Saikia& Dr. Amit Kumar	with IUCN-Commission on Ecosystem Management (IUCN-CEM), South Asia	1095
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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
Internship	Summer Internship	Bharat Electronics Limited, Gaziabaad	25/05/2020	04/07/2020	Avinash Kumar
Internship	Summer Internship	Britannia Industries Limited, Delhi	25/05/2020	04/07/2020	Chandan Kumar Paswan
Internship	Summer Internship	Patanjali Ayurved Ltd.	25/05/2020	04/07/2020	Deepak Kumar Rajak
Research	Project work	GRK Laboratories, Hyderabad	25/05/2020	04/07/2020	2 student
<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
ISEP, John Hopkins University, USA	08/11/2019	Research and Training	6
CUJ, ABVIL, Govt. Of Jharkhand	23/06/2020	Incubation Centre	1
No file uploaded.			

## 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
2983.38	2720.07

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar halls with ICT facilities	Newly Added
Seminar Halls	Existing
Classrooms with Wi-Fi OR LAN	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

[View File](#)

### 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
KOHA	Partially	18.11	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	19944	41338418	1707	8825749	21651	50164167

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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
Dr. Sudarshan Yadav	Course Editor (Joint):Media Sociology	Odisha State Open University, Sambalpur, Odisha <a href="http://www.osou.ac.in">www.osou.ac.in</a>	01/08/2019
Dr. Amrit Kumar	Literacy, Health, Nutrition, Cleanliness, Pure Water and Power	Odisha State Open University, Sambalpur, Odisha <a href="http://www.osou.ac.in">www.osou.ac.in</a>	16/12/2019
Dr. Rajesh Kumar	Newsroom Setup and Functions: Print and Online Media, Reporting Techniques, Block-1, Unit-3 MA in Journalism and	eGyanKosh, IGNOU, New Delhi <a href="http://www.egyankosh.ac.in/bitstream/123456789/59512/1/BLOCK1.pdf">http://www.egyankosh.ac.in/bitstream/123456789/59512/1/BLOCK1.pdf</a>	02/03/2020

	Mass Communication (MJM-021)		
Dr. Nitesh Bhatia	Leadership and SHRM	<a href="http://cuja.ac.in/E_Lecture/DBA/DBA20Dr20Nitesh20Bhatia2031st20March202020Subject20SHRM20Unit20III20Topic20Leadership20and20SHRM.pdf">http://cuja.ac.in/E_Lecture/DBA/DBA20Dr20Nitesh20Bhatia2031st20March202020Subject20SHRM20Unit20III20Topic20Leadership20and20SHRM.pdf</a>	28/03/2020
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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	178	4	1	20	0	14	22	1	0
Added	26	0	0	0	0	0	0	1	0
<b>Total</b>	<b>204</b>	<b>4</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>14</b>	<b>22</b>	<b>2</b>	<b>0</b>

##### 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
Nil	<a href="#">Nil</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
1730.54	1621.86	2983.38	2720.07

##### 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 Jharkhand (CUJ) presently operates from its two campuses. The Humanities and Social Science departments are operating from the permanent campus at Cheri Manatu, the Science, Engineering, Management and Media Study Departments are operating at temporary campus of Brambe. The university provides ICT enabled classrooms and lab facility to all most all the departments. The university has its library in temporary campus at Brambe since its inception. The library has a good number of books, journals, and periodical and subscribes to a large number of e- databases. The library has developed its own website to provide internet-based services for wider accessibility to its resources to students and staffs. The library is connected with Wi-Fi and students as well as employees get ample benefit out of it. The university has

one indoor sports complex, one ground for multipurpose activity, one football ground (50m x 20m), two concrete pitch (7.5ft x 30 ft) of cricket for training. To improve the physical fitness of students and employees, the University has provided a well-equipped Gym in its temporary campus. To encourage students and staffs to participate in sports, CUJ organizes annual "Khelotsav" followed by cultural activities where large number of participants from colleges and universities within and outside of Jharkhand state participate. University also provides Yoga training to its community and celebrates Yoga Days to encourage students and staffs to practice yoga in everyday life. CUJ has established a Data Centre and it is connected to National Knowledge Network (NKN) through optical fibre link with a bandwidth of 1 GBPS. The University provides 24-hour Network and authenticated internet access to all employees and students placed at different departments and hostels on campus.

<http://cuja.ac.in/CUJ%20SPORTS%20FOR%20WEBSITE.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	Free-ship	22	23000
Financial Support from Other Sources			
a) National	E-Kalyan Scholarship	15	17000
b) International	Nil	Nil	Nil
<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
Counselling, Guidance and Placement Cell	20/04/2020	56	CUJ
Yoga	21/06/2020	4	CUJ
Personal counselling and mentoring of weaker students	10/02/2020	6	DTST, CUJ
Mock tests	01/04/2020	148	Genesis Training
Mentoring and Induction	20/09/2019	34	DES, CUJ
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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	Number of benefited students by career	Number of students who have passed in the comp. exam	Number of students placed



		examination	counseling activities		
2019	Counselling, Guidance Placement Cell	30	30	3	Nil
2020	Training and placement cell of Department of business and Administration	66	25	8	25
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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
Nil	Nil	Nil

## 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
Shree Tagore Shiksha Avam Anusandhan Samiti	10	8	DRDO, DTRL	1	1
<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	M.Tech.	Water Engineering and Management	IIT-BHU	PhD
2020	1	M.Tech.	Water Engineering and Management	IIT Kharagpur	PhD
2020	1	MA	English	IIT Roorkee	PhD
2019	1	Integrated	Life	IISER	PhD

		M.Sc.	Sciences	Pune, Maharashtra	
2019	1	Integrated M.Sc. (exit after 3rd year)	Chemistry	National University, Taiwan	M.S.
2019	1	Integrated M.Sc.	Chemistry	IIT Kanpur	PhD
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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
SET	1
SLET	3
GATE	40
Civil Services	5
Any Other	11
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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
Khelotsav 2020	University Level	200
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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
2020	I st Prize in Spot Photography	National	1	Nil	18240402006	Ujjwal Raj
<a href="#">View File</a>						

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

The University Act, Statute and Ordinance provide scope for the student's council. Presently, the Academic Council constitute the representatives from academic of different levels, administrative authority and student representatives from Integrated Masters, Two years Master Programs, and graduate program. Academic Council held annually twice a year. The School Boards and Board of Studies of the Departments has the provision to nominate students for library committee, various mentor mentee system, office of Dean Student Welfare looks after the fellowship scheme and organizes various academic programme and nominate students' representatives.

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Central University of Jharkhand Alumni Association (CUJAA), Registered on 16th March 2019. Registered Office: C/O Secretary, CUJAA, Room no-10, Administrative building, CUJ, Village- Brambe, P.O- Brambe, P.S- Mandar, Via- Ratu-Lohardaga Road, Distt- Ranchi Jurisdiction: All over India

5.4.2 – No. of registered Alumni:

14

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1st Alumni Meet: 28th June 2019

## 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 University has decentralization and participatory management at the level of semester examination, academic and policy decentralization through Deans Committee, Dean Student's Welfare and Purchase Committee, University Placement Cell, Building Committee, etc. Under participatory management, we encourage faculty, staffs and students from different streams, sections during policy discussions. We share the vision of decentralization to raise the level of responsibility and accountability. The management provided an acceptable level of authority to take on spot decisions hence, building expertise at the decentralized levels. Under participatory management, we are autonomous institution and encourage participation of local community and mobilize them for university growth vis a vis self-development. As university, we encourage participation of women of all sections in policy decision, policy implementation and policy evaluation. We encourage our teachers and students for continuous interaction with the local area population through lectures, project works, case studies, etc.

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	Curriculum of the courses offered in CUJ are updated regularly through getting feedback from academic experts and industry of higher repute. The purpose of the curriculum is focused and targeted to the student's need for higher research and employability and skill development. The course curriculum is prepared into smaller sections for on time completion of the course within a semester

Teaching and Learning	Faculty use innovative ways to deliver content of the curriculum like presentations, laboratory demonstration, assignments, field visits, interactions etc. The teachers encourage their students to participate to become an active participant in the classroom and inspire to innovate and learn the skill of writing, analytical thinking and changing the thought perspectives.
Examination and Evaluation	A strict semester examination system is followed. Continuous internal evaluation is conducted regularly through written examinations (through assignment, practical exercise and presentations on the contemporary issues). Opportunity for self-assessment, learning and students' feedback is emphasized. Provision of regular classes is monitored due to attendance system.
Research and Development	CUJ is committed to promote research at every level. Both Master Degree students and Ph.D. scholars carry out quality research with a focus to solve problems related to the state and country. CUJ has collaborations with private/government research laboratories, libraries, industries to facilitate its students to attain higher knowledge. CUJ encourages its faculties to conduct research and development activities while collaborating with different national and international research and funding agencies.
Library, ICT and Physical Infrastructure / Instrumentation	The university began the process of moving to its new permanent campus which has state of the art classrooms equipped with ICT tools.
Human Resource Management	Multi-tasking is promoted. CUJ recruit, deploy and hire people from different background to fulfill organizational requirements.
Industry Interaction / Collaboration	Several of the university department has good rapport with Industry in for student internship placement as well as research. The faculties are encouraged to take collaborative projects with other institutions. CUJ has also signed several MoUs with other research labs and universities to promote quality research.
Admission of Students	Admission of students at all level is

done through national level entrance i.e. CUCET. Interviews are conducted at the time of PhD.

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

E-governance area	Details
Finance and Accounts	Online fee submission
Student Admission and Support	Online application form and counselling process is online

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
2019	Dr. Hena Firdaus	3rd World Clean Environment Summit at St. Xavier's College 19th to 21st Aug. 2019	Nil	2500
2020	Mr.Amit Kumar Yadav	Workshop on "Quality Control, New Materials and Techniques in road Sector"-Indian Road Congress	Nil	25642
2020	Dr.Sushil Kumar Shukla	International Conference on Energy and Environmental Technologies for sustainable Development (Chem-Conflux-20), Organized by Dept. of Chemical Engineering, MNNIT, Allahabad, Prayagraj, UP	Nil	20414
2020	Dr. Bhaskar Singh	International Conference on 'Energy and Environmental Technologies for Sustainable Development' held at Motilal	Nil	16700

		Nehru National Institute of Technology, Allahabad, India		
2019	Dr. Purabi Saikia	International conference on Advances in Sustainable Agriculture: Bioresources, biotechnology and bioeconomy	Nil	28450
<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)
2020	Nil	Nil	Nil	Nil	Nil	Nil
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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
FDP on 3D Printing Design organized at Central University of Jharkhand sponsored by AICTE	9	03/02/2020	07/02/2020	5
FDP on Robotics organized at Central University of Jharkhand sponsored by AICTE	8	16/12/2019	20/12/2019	5
Short term training programme: Fundamental and Applications of Nanomaterials	1	22/07/2019	02/08/2019	14

Two weeks Industrial/ Professional Training at NITTR, Kolkata	1	17/02/2020	28/02/2020	14
Short term training programme: Fundamental and Applications of Nanomaterials	1	22/07/2019	02/08/2019	14
Orientation course at UGC HRDC Ranchi	1	04/09/2019	24/09/2019	21
<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
35	35	29	29

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Nil	Nil	Nil

**6.4 – Financial Management and Resource Mobilization**

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

Yes, Regularly conducted
--------------------------

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
JHU, USA	100000	Training/Workshop
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

0
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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	No	Nil	No	Nil
Administrative	No	Nil	No	Nil

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

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

N/A

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

1. ECBC workshop 2. ISEP, JHU-CUJ workshop on Energy Management and Policy in Jharhand 3. Staff Induction Program

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

1. Committee for the creation of Central Instrumental Facility

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
2019	Awareness programme for faculties students	30/09/2019	30/09/2019	30/09/2019	100
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
Nil	Nil	Nil	Nil	Nil

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

1. Work on new generation PV in progress 2. New materials for environment remediation, solar fuel being developed 3. Development of technology for alternative fuels 4. Development of materials for energy storage and sensors 5. Initiatives for development of renewable energy/power policies for the region

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	6
Ramp/Rails	Yes	6
Rest Rooms	Yes	6
Braille Software/facilities	Yes	1



## 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	1	1	27/07/2019	1	Swachchh Bharat Abhiyan The faculties and Students visited nearby village Brambe for awareness about sanitation and educational Campaign	Sanitation and awareness about education especially primary education to increase the enrolment in Primary Education	84
2019	1	1	23/09/2019	1	Google News Initiatives Fact-Checking Workshop	Misinformation, Disinformation, Fake News	100
2019	1	1	21/10/2019	1	E-Workshop on Fact Checking and Data Verification	Misinformation, Disinformation, Fake News	55
2019	1	1	16/12/2019	1	COVID-19 Prevention, Awareness and Role of Student Community	Misinformation, Disinformation, Fake News	130
No file uploaded.							

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

Title	Date of publication	Follow up(max 100 words)
Nil	Nil	NA

### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
NSS extended activities in nurturing values to the communities/hired villages	01/07/2019	30/06/2020	55

No file uploaded.

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

1. Planted trees in the campus. 2. Placed separate dustbins for dry and wet garbage 3. Minimizing use of room heaters 4. Not using any incandescent bulb for lighting. 5. Minimizing the use of single use plastic 6. Waste water treatment plant 7. Vermi-compost plant

## 7.2 – Best Practices

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

1. Planted trees in the campus. 2. Placed separate dustbins for dry and wet garbage 3. Minimizing use of room heaters 4. Not using any incandescent bulb for lighting. 5. Minimizing the use of single use plastic 6. Waste water treatment plant 7. Vermi-compost plant

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

<http://cuja.ac.in/IOAC.php>

## 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

Central University of Jharkhand is committed to research and development since its inception. As part of its academic endeavor, the university has offered five years integrated program, two years master programme and other graduate programme. The university has been committed to basic scientific research as well as applied research. We encourage faculties to carry research projects. Our faculties have undertaken major research projects from science, social sciences and linguistics core areas. Collaborative industry internship is encouraged for our students and research scholars for higher learning and number of collaborations have been made with research labs, industries and private institutions of eminence. Along with scientific and industrial research, the university also focuses on socio economic and tribal research and research related to endangered languages. We promote faculties to undertake major and minor projects from national and international donor agencies including DST, UGC, DBT, ICSSR, and our faculties have undertaken a number of major and minor projects. Along with projects, the teachers have published high quality research papers in national and international journals. We also focus on local area development programme as our social responsibility to foster inclusive growth. To fulfil the institution's goal, we have initiated Unnayan: A Local Area Development programme, to foster development programme to the local community residing nearby university campus. We provide free education to the local children, organize various training programme and awareness camps for the women and adolescent girls, senior citizens. We have adopted five villages nearby the university under institutional social responsibility towards the underprivileged group. We encourage our students at the UG and PG degree

courses to take up internships in industries and pursue their projects which give them hands on training in their field of interest. We also motivate students to visit orphanages, old age homes, and Cancer institute's and serve the local adopted school or village through NSS.to mention and bring on record our students have contributed recently to the Kerala floods with basic required materials and financial assistance. The vision of the university focuses on four aspects essentially maintaining global standards, value based education, interdisciplinary research, and sustainable development.

Provide the weblink of the institution

<http://cuj.ac.in/IOAC.php>

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

The Central University of Jharkhand since its very inception in 2009 started with a wide vision to impart inclusive world class education and research. The university would plan shift to its permanent campus so as to widen its academic activities. The university plans to develop some new departments as Centre-of-Excellence in research and training. Towards that goal, reintroduction of undergraduate courses is planned. Up gradation of syllabus is top priority along with strengthening the examination system. Engineering courses curriculum to be framed according to AICTE guidelines. To maximize the student outreach with introduction of several Certificate Diploma Courses / MOOCS/ Distance Learning/Skill Development Courses, etc. These are in consideration with the mission to link up with day-to-day employment perspective and inculcate its students and scholars with great humanitarian value. We also plan to make maximum use e-resources, plan lessons for MOOCS, and organize seminars, conferences and workshops. The university would maximize its collaboration with local colleges, universities and research institutes for students and teachers exchange and wider outreach. The university aims to build an interdisciplinary approach to knowledge, by starting several interdisciplinary courses in all the departments. Given the limited number of courses of study at present signing MOU with national and International Institution will be done. Continuous review and academic audit will be undertaken to initiate future action and strategies. Further decentralization of power will be emphasized and departments/centres of the university will be provided full autonomy in academic matters. Specific plans will be made to encourage faculty members to carry out research and generate revenue for the university. Research publications in quality journals would be mandatory for promotion. Mainstreaming of gender would be at top priority of the university and female faculties would be made part of university policy decision. Last but not the least, IQAC would be empowered to see the qualitative academic and administrative, financial growth of the university.