

A Report for Academic, Administrative, Financial & Infrastructure Audit



**Central University of Jharkhand
Brambe, Ranchi, Jharkhand- 835205
India**

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1. Curricular Aspects

Sl.No.	Particulars	Details
1.1	Details about Academic programmes	<p>Ph.D. Programmes</p> <p>5 years Integrated Master program in various disciplines (Temporarily suspended from 2017-18 session)</p> <p>4 years Integrated B.Ed.</p> <p>2 years B.Ed.</p> <p>2 years Master program (New/ Lateral entry; Suspended from 2017-18 Session)</p> <p>Diploma/ Certificate Courses</p> <p><i>(For details please see the annexure I)</i></p>
1.2	Pattern – Trimester / Semester / Annual	Semester
1.3	Curriculum Benchmarking	<p>University level Bench marking is done through academic audit process by all the centres of the University.</p> <p>National Level Curriculum benchmarking is done by the inputs/Suggestion from Board of Study and School board Members (external) who are from various central universities / prominent State Universities and other and Centrally funded Autonomous Institution.</p> <p>Other informal benchmarking process includes inputs from industries as well as foreign academicians.</p>
1.4	Curriculum design process / revision process including involvement of stakeholders	Curriculum design process is undertaken by Board of Studies then by School Board and approved by Academic Council as per University ordinances (Ordinance OA7 and OA-6).

1.5	Structure of the curriculum	<p>As per Ordinance OA-11 one semester includes 15 week of teaching</p> <p>Credit system is based on 15 hours of contact teaching for 1 Credit point</p> <p>The Curricula are based on CBCS system Including:</p> <ul style="list-style-type: none"> • Core Courses • Electives • Self-Study Courses • Practical • Dissertation • Internship
1.6	Components of the curriculum	Details of curriculum content of few centres as example is provided as attachment (<i>Annexure II</i>)
1.7	Emphasis on diversity, flexibility and multi-skill development	Yes, the curriculum is designed keeping in view the recent development in the relevant Industry
1.8	Inter-disciplinary options	<p>Integrated master's program has CBCS which offers freedom to select courses across the multiple disciplines. Elective papers are offered both at the undergraduate and postgraduate level.</p> <p>Science and Technology centres Integral courses components in the field of Humanities, Social Science, law, Ethics, Economics etc.</p>
1.9	Curriculum based on Outcome-based education	Yes, emphasis is given on curriculum based on Outcome-based education and for this upgradation of courses is made regularly.
1.10	CBCS based curriculum	Implemented in 5th semester of all Integrated Masters programs.
1.11	Skill based and Industry relevant curriculum	Yes, the University curriculum is skill based and industry relevant.
1.12	Frequency of revision with percentage change in contents	University ordinance mandate for two meetings of School Board and Board of studies in one year and they can take up the curricular revision as and when needed.

Annexure – I

(Details about establishment of Centre, Starting of various Academic Program (Year-Wise))

Centre for	Establishment Year	Int. PG. Start Session*	P.G. Start Session	Ph.D. start Session	Cert./Dip. Course start Session	Other
Mass Communication	2009	2009	Lateral Entry (LE) 2012 New PG (NPG) 2017	2011	NIL	NIL
Business Administration	2009	2009	LE 2012 NPG 2017	2011	NIL	3 Months MDP 2011 to 13
Applied Mathematics	2009	2009	LE 2012 NPG 2017	2013	NIL	NIL
English Language	2009	2009	LE 2012 NPG 2017	2011	NIL	NIL
Applied Physics	2010	2010	LE 2012 NPG 2017	2013	NIL	NIL
Applied Chemistry	2010	2010	LE 2012 NPG 2017	2013	NIL	NIL
Life Science	2010	2010	LE 2012 NPG 2017	2011	NIL	NIL
Nanotechnology	2010	2010	NPG 2017	2013	NIL	NIL
Indigenous Culture Studies	2010	2010	LE 2012 NPG 2017	2011	NIL	NIL

Water Engineering and Management	2010	2010	NPG 2017	2013	NIL	NIL
Energy Engineering	2011	2011	NPG 2017	2013	NIL	NIL
Human Rights and Conflict Management	2011	NIL	2013	2013	2011	NIL
Land Resource Management	2012	2012	2012	2012	2011	NIL
Environmental Sciences	2012	2012	2017	2013	NIL	NIL
International Relations	2012	2012	2017	2013	2012	NIL
Humanities and Social Sciences	2012	NIL	NIL	2012	NIL	NIL
Far East Language (Chinese, Korean, Tibetan)	2012	2012	NIL	2013	2012	NIL
Tribal and Customary Law	2012	NIL	2012	2013	NIL	NIL
Tribal Folklore Language and Literature	2013	NIL	2013	2013	NIL	NIL
Music and Performing arts	2013	NIL	2013	2013	NIL	Three years BA in performing arts started in 2013

Education	2013	Integrated B.A.- B.Ed. And BSc.- B.Ed. 2013, 2 years B.Ed. since 2015 alongwith 4 years B.Sc.- B.Ed./B.A.- B.Ed. (2015 batch only)	NIL	NIL	NIL	NIL
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Note: M.Tech. Program in Mobile computing started in 2013 and discontinued thereafter.

Annexure – II

Integrated MBA Program Structure

<u>Course Name</u>	<u>L</u>	<u>T</u>	<u>P</u>	<u>Credit</u>
<u>Semester – I</u>				
Principles of Management	3	0	0	3
Micro Economics	3	0	0	3
Financial Accounting	3	0	0	3
Fundamentals of Computers	3	0	0	3
Business Mathematics	3	0	0	3
Business Communication	3	0	0	3
Communicative English	3	0	0	3

<u>Course Name</u>	<u>L</u>	<u>T</u>	<u>P</u>	<u>Credit</u>
<u>Semester – II</u>				
Principles of Marketing – I	3	0	0	3
Behavioural Sciences	3	0	0	3
Statistics for Managers	3	0	0	3
Financial Management	3	0	0	3
Environmental Studies	3	0	0	3
Macro Economics	3	0	0	3

Personality Growth Lab	3	0	0	3
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<u>Course Name</u>	<u>L</u>	<u>T</u>	<u>P</u>	<u>Credit</u>
<u>Semester – III</u>				
Principles of Marketing – II	3	0	0	3
Business Law	3	0	0	3
Quantitative Techniques	3	0	0	3
Organizational Behavior	3	0	0	3
Management Accounting	3	0	0	3
Business Environment	3	0	0	3
Interpersonal skills & Working in teams	3	0	0	3

<u>Course Name</u>	<u>L</u>	<u>T</u>	<u>P</u>	<u>Credit</u>
<u>Semester – IV</u>				
Production & Operations Management	3	0	0	3
Management Information System	3	0	0	3
Research Methodology	3	0	0	3
Project Management	3	0	0	3
Human Resource Management	3	0	0	3

Consumer Behavior	3	0	0	3
Field Project				3

<u>Course Name</u>	<u>L</u>	<u>T</u>	<u>P</u>	<u>Credit</u>
<u>Semester – V</u>				
Summer Project Report & Presentation-I				3
Elective – I	3	0	0	3
Elective – II	3	0	0	3
Elective – III	3	0	0	3
Elective – IV	3	0	0	3
Elective – V	3	0	0	3
Elective – VI	3	0	0	3

<u>Course Name</u>	<u>L</u>	<u>T</u>	<u>P</u>	<u>Credit</u>
<u>Semester – VI</u>				
Supply Chain Management	3	0	0	3
Operations Research	3	0	0	3
Entrepreneurship Development	3	0	0	3
Product Management	3	0	0	3
Business Ethics	3	0	0	3
Comprehensive Viva-Voce				3
Industry Project				3

<u>Course Name</u>	<u>L</u>	<u>T</u>	<u>P</u>	<u>Credit</u>
<u>Semester – VII</u>				
Analysis & Decision Making	3	0	0	3
Strategic Management	3	0	0	3
Organization Development & Change	3	0	0	3
Logistics Management	3	0	0	3
Business Process Reengineering	3	0	0	3
Financial Statement Analysis	3	0	0	3
Summer Project Report & Presentation-II				3

<u>Course Name</u>	<u>L</u>	<u>T</u>	<u>P</u>	<u>Credit</u>
<u>Semester – VIII</u>				
Business Laws – II	3	0	0	3
Total Quality Management	3	0	0	3
F E –A/B/C- I	3	0	0	3
F E –A/B/C- II	3	0	0	3
F E –A/B/C- III	3	0	0	3
SE – I	3	0	0	3
Summer Project Report &				3

Presentation-I				
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<u>Course Name</u>	<u>L</u>	<u>T</u>	<u>P</u>	<u>Credit</u>
Semester – IX				
Strategic Marketing Management	3	0	0	3
Foreign Language -I (Chinese/ Korean)	3	0	0	3
F E –A/B/C- IV	3	0	0	3
F E –A/B/C- V	3	0	0	3
F E –A/B/C- VI	3	0	0	3
SE – II	3	0	0	3
Summer Project Report & Presentation-I				3

<u>Course Name</u>	<u>L</u>	<u>T</u>	<u>P</u>	<u>Credit</u>
Semester – X				
Corporate Governance and Public Policy	3	0	0	3
Foreign Language –II (Chinese/ Korean) Note: From 2015onwards Foreign Language Replaced by Project with 3 credits	3	0	0	3

Enterprise Risk Management	3	0	0	3
Entrepreneurial Business and Management	3	0	0	3
Business Simulations	3	0	0	3
Management by Human Values	3	0	0	3
Comprehensive Viva-Voce				3

Summary of Subjects of IMBA

Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI
Principles of Management	Principles of Marketing – I	Principles of Marketing – II	Production & Operations Management	Summer Project Report & Presentation-I	Supply Chain Management
Micro Economics	Behavioural Sciences	Business Law	Management Information System	Elective – I	Operations Research
Financial Accounting	Statistics for Managers	Quantitative Techniques	Research Methodology	Elective – II	Entrepreneurship Development
Fundamentals of Computers	Financial Management	Organizational Behavior	Project Management	Elective – III	Product Management
Business Mathematics	Environmental Studies	Management Accounting	Human Resource Management	Elective – IV	Business Ethics
Business Communication	Macro Economics	Business Environment	Consumer Behavior	Elective – V	Comprehensive Viva-Voce
Communicative English	Personality Growth Lab	Interpersonal skills & Working in teams	Field Project	Elective – VI	Industry Project

Electives To be opted from following in semester V

Cost Accounting	Corporate Social Responsibility	Brand Management	Human Resource Planning	Creativity and Innovation
Materials and Purchase Management	Industrial Relations and Labour Laws	E- Commerce	Service Marketing	

Semester VII	Semester VIII	Semester IX	Semester X
Analysis & Decision Making	Business Laws – II	Strategic Marketing Management	Corporate Governance and Public Policy
Strategic Management	Total Quality Management	Foreign Language -I (Chinese/ Korean)	Foreign Language –II (Chinese/ Korean)
Organization Development & Change	F E –A/B/C- I	F E –A/B/C- IV	Enterprise Risk Management
Logistics Management	F E –A/B/C- II	F E –A/B/C- V	Entrepreneurial Business and Management
Business Process Reengineering	F E –A/B/C- III	F E –A/B/C- VI	Business Simulations
Financial Statement Analysis	SE – I	SE – II	Management by Human Values
Summer Project Report & Presentation-II	Summer Project Report & Presentation-I	Summer Project Report & Presentation-I	Comprehensive Viva-Voce

Functional and Sectoral Electives (F E/ SE)

FUNCTIONAL ELECTIVES			SECTORAL ELECTIVES
Financial Management	Marketing Management	Human Resource Management	
Management of Financial Services	Global Marketing	Global HRM	Hospitality & Tourism Management
Portfolio Management	Retail Management	Advanced Labour Laws	Co-operative Management
Taxation	Integrated Marketing Communication	Human Resources Development	International Business

Derivatives and Risk Management	Sales Management	Negotiation & Conflict Management	Event Management
Money Market & Capital market	New-Age Marketing	Compensation Management	Management of Nonprofit Organizations
International finance	Customer Relationship Management	Performance Management Systems	
Security Analysis	Rural Marketing	Strategic HRM	
Advance Corporate Finance	B2B Marketing	HRIS & HR Audit	

Course Structure: Master of Business Administration (2 Year M.B.A.)

Course Name	Type	L	T	P**	Credit
Semester I					
Principles of Management	Core	4	0	0	4
Accounting for Managers	Core	3	0	0	3
Statistics for Managers	Core	4	0	0	4
Managerial Economics	Core	3	0	0	3
IT for Managers	Core	1	0	1	2
Organization Behavior	Core	4	0	0	4
Business Communication	Core	2	0	1	3
Business Environment	Core	3	0	0	3
	Total				26
Semester II					
Financial Management	Foundation	3	0	0	3
Research Methodology	Core	3	0	0	3
Human Resource Management	Foundation	4	0	0	4
Marketing Management	Foundation	3	0	0	4
Operations Research	Core	4	0	0	4

Operations Management	Core	4	0	0	4
Management Information System	Core	3	0	0	3
	Total				25
Semester III					
Legal Environment of Business	Core	3	0	0	3
Strategic Management	Core	3	0	0	3
Supply Chain Management	Core	3	0	0	3
Elective 1		3	0	0	3
Elective 2		3	0	0	3
Elective 3		3	0	0	3
Summer Internship Project		0	0	0	6
Semester IV					
Business Ethics & Corporate Governance	Core	3	0	0	3
Entrepreneurship Management	Core	3	0	0	3
Elective 4		3	0	0	3
Elective 5		3	0	0	3
Elective 6		3	0	0	3
Elective 7		3	0	0	3
Project					3
Comprehensive Viva Voce					3

Syllabus of Five Years Integrated M. Sc. in Environmental Sciences

Semester I

Sl. No.	Paper	Code	Credit (L+T+P)
1.	Basic Maths	MAT 111010	3+1+0
2.	Introductory Physics I	PHY 110021	3+0+0
3.	Principle of Chemistry I	CHM 110030	3+0+0
4.	Principles of Environmental Science and Ecology	ENV 111041	3+0+0
5.	Fundamentals of Computer and C Programming	COM 110050	2+0+2
6.	Environmental Studies	EVS 110060	3+0+0
7.	Ecology Lab	ENV 112070	0+0+2
8.	Introductory Physics I Lab	PHY 112080	0+0+2
9.	Principles of Chemistry I Lab	CHM 112090	0+0+2
Total Credit			26

Semester II

Sl. No	Paper	Code	Credit (L+T+P)
1.	Statistics	STA 121010	3+1+0
2.	Introductory Physics II	PHY 120020	3+1+0
3.	Principle of Chemistry II	CHM 120030	3+1+0
4.	English for Communication	ENG 120040	3+0+1
5.	Environmental Chemistry	ENV 121050	3+1+0
6.	Environmental Chemistry Lab	ENV 122100	0+0+2
7.	Introductory Physics II Lab	PHY 122110	0+0+2
8.	Principles of Chemistry II Lab	CHM 122120	0+0+2
Total Credit			26

Semester III

Sl. No.	Paper	Code	Credit (L+T+P)
1.	Environmental Biology	ENV 211011	3+1+0
2.	Environmental Physics	ENV 211021	3+1+0
3.	Environmental Earth Science	ENV 211031	3+1+0

4.	Environmental Pollution	ENV 211040	3+1+0
5.	Disaster Management	LRM 210100	3+1+0
6.	Environmental Pollution and Earth Science Lab	ENV 212050	0+0+2
7.	Environmental Biology Lab	ENV 212060	0+0+2
8.	Local Field Visit to study Natural Ecosystem	ENV 213070	0+0+2
Total Credit			26

Semester IV

Sl. No	Paper	Code	Credit (L+T+P)
1.	Fundamental of Soil Sciences	ENV 221011	3+1+0
2.	Environmental Microbiology and Biotechnology	ENV 221021	3+1+0
3.	Natural Resources and Management	ENV 221030	3+1+0
4.	Environmental Monitoring and Pollution control Technologies	ENV 221040	3+1+0
5.	Environmental Microbiology and Biotechnology Lab	ENV 222050	0+0+2
6.	Soil Science Lab	ENV 222060	0+0+2
Total Credit			20

Semester V (Electives) (any four from own Centre + two from other Centre)

Sl. No.	Paper	Code	Credit (L+T+P)
1.	Environmental Issues (E1)	ENV 315010	3+1+0
2.	Biodiversity (E2)	ENV 315020	3+1+0
3.	Aerosol & Environment (E3)	ENV 315030	3+1+0
4.	Forestry and Wildlife Management (E4)	ENV 315041	3+1+0
5.	Global Energy Scenario & Resources (E5)	ENV 315050	3+1+0
6.	Industrial Pollution and Control (E6)	ENV 315060	3+1+0
7.	Industrial Safety and Toxicology (E7)	ENV 315071	3+1+0
Total Credit			16+04=20

Semester VI

Sl. No	Paper	Code	Credit (L+T+P)
1.	Instrumentation and Analytical Techniques	ENV 321011	3+1+0
2.	Environmental Agriculture Meteorology	ENV 321020	3+1+0
3.	Municipal Solid and Hazardous Waste Management	ENV 321030	3+1+0
4.	Water Resource Management	ENV 321040	3+1+0
5.	Agro-Meteorology and Analytical Methods Lab	ENV 322050	0+0+2
6.	Research/Industrial training & report writing (one month)	ENV 323060	0+0+2
Total Credit			20

Semester VII

Sl. No	Paper	Code	Credit (L+T+P)
1.	Environmental Laws & Legislation	ENV 411010	3+1+0
2.	Ecology	ENV 411020	3+1+0
3.	Environmental Management and Sustainable Development	ENV 411030	3+1+0
4.	Water Supply and Treatment	ENV 411040	3+1+0
5.	Ecology & Biodiversity Lab	ENV 412050	0+0+2
6.	Water Supply and Treatment Lab	ENV 412060	0+0+2
7.	Visit to Water Treatment Plants/Sewage Treatment Plants	ENV 413070	0+0+2
Total Credit			22

Semester VIII

Sl. No	Paper	Code	Credit (L+T+P)
1.	Environmental Application of Microbiology and Biotechnology	ENV 421010	3+1+0
2.	Science of the Climate	ENV 421020	3+1+0
3.	Environmental Impact Assessment and Auditing	ENV 421030	3+1+0
4.	Basic of Remote Sensing	ENV 421040	3+1+0
5.	Remote Sensing and GIS Lab	ENV 422050	0+0+2

6.	Applied Microbiology and Biotechnology Lab	ENV 422060	0+0+2
Total Credit			20

Semester IX (Any three electives)

Sl. No	Paper	Code	Credit (L+T+P)
1.	Environmental Economics and Economics of Pollution control	ENV 511011	3+1+0
2.	Environmental Modeling and Statistics	ENV 511020	3+1+0
3.	Ecological Restoration (E3)	ENV 515030	3+1+0
4.	Climate Change and Clean Technology (E4)	ENV 515050	3+1+0
5.	Mining impact on Environmental (E5)	ENV 515040	3+1+0
Total Credit			20

Semester X

Sl. No	Paper	Code	Credit (L+T+P)
1.	Dissertation	ENV 524010	0+0+16
2.	Seminar	ENV 524020	0+0+4
Total Credit			20

Syllabus of M.Sc. in Environmental Sciences 2 year's course

Semester - I

Sl. No.	Paper	Code	Credit (L+T+P)
1	ENV/M/411010	Ecology and Ecosystem	2+1+0
2	ENV/M/411020	Basics of Meteorology and Climatology	2+1+0
3	ENV/M/411030	Environmental Pollution and Monitoring	2+1+0
4	ENV/M/411040	Environmental Chemistry	2+1+0
5	ENV/M/411050	Environmental Geology	2+1+0
6	ENV/M/412060	Ecology Lab & Field Visit	0+0+2
7	ENV/M/412070	Environmental Chemistry Lab	0+0+2

Semester – II

Sl. No.	Paper	Code	Credit (L+T+P)
1	ENV/M/421010	Environmental Microbiology and Biotechnology	2+1+0
2	ENV/M/421020	Instrumentation and Analytical Techniques	2+1+0
3	ENV/M/421030	Environmental Toxicology and Industrial Safety	2+1+0
4	ENV/M/426040	Forestry and wildlife management (Elective)	2+1+0
5	ENV/M/426050	Biodiversity Conservation (Elective)	2+1+0
6	ENV/M/426060	Aerosol and Environment (Elective)	2+1+0
7	ENV/M/426070	Environmental Agriculture meteorology (Elective)	2+1+0
8	ENV/M/426080	Water and Waste water treatment (Elective)	2+1+0
9	ENV/M/426090	Renewable energy Resources (Elective)	2+1+0
10	ENV/M/4220100	Toxicology Lab	0+0+2
11	ENV/M/4220110	Environmental Microbiology and Biotechnology Lab	0+0+2

Semester – III

Sl. No.	Paper	Code	Credit (L+T+P)
1	ENV/M/511010	Environmental Laws and Legislation	2+1+0
2	ENV/M/511020	Environmental Impact Assessment and Auditing	2+1+0
3	ENV/M/511030	Environmental Modelling and Statistics	2+1+0
4	ENV/M/516040	Restoration Ecology (Elective)	2+1+0

5	ENV/M/516050	Carbon Sequestration and Agro-management(Elective)	2+1+0
6	ENV/M/516060	Air pollution monitoring and control (Elective)	2+1+0
7	ENV/M/516070	Solid Waste Management (Elective)	2+1+0
8	ENV/M/516080	Land Surface processes and micro meteorology (Elective)	2+1+0
9	ENV/M/516090	Fundamentals of Remote Sensing and GIS (Elective)	2+1+0
10	ENV/M/5140100	Synopsis preparation for Dissertation	0+0+4

Semester – IV

Sl. No.	Paper	Code	Credit (L+T+P)
1	ENV/M/524010	Mid Term Evaluation (Report and Presentation)	0+0+2
2	ENV/M/524020	Dissertation (Both Soft and hardcopy)	0+0+12
3	ENV/M/524030	Seminar (PPT presentation)	0+0+4

5 Year Integrated M.Sc. In Life Science

Semester: I

	Paper Name	Credit (L+T+P)	Code
1.	Basic Maths	3+1+0	MAT 111010
2.	Introductory Physics-I	3+0+0	
3.	Principles of Chemistry-I	3+0+0	
4.	Basic Biology	3+0+0	BIO 110041
5.	Fundamentals of Computer and C Programming	2+0+2	COM 110050
6.	Environmental Studies	3+0+0	EVS 110060
7.	Principles of Chemistry-I lab	0+0+2	CHM 112090

8.	Introductory Physics-I Lab	0+0+2	PHY 112080
9.	Basic Biology lab	0+0+2	BIO 112070
Total Credit		26	

Semester: II

1.	Statistics	3+1+0	STA 121010
2.	Introductory Physics –II	3+1+0	
3.	Principles of Chemistry –II	3+1+0	
4.	English for communication	3+0+1	ENG 120040
5.	Cell Biology	3+1+0	BIO 121051
6.	Cell Biology Lab	0+0+2	BIO 122100
7.	Introductory Physics –II Lab	0+0+2	PHY 122110
8.	Principle of Chemistry –II Lab	0+0+2	CHM 122120
Total Credit		26	

Semester: III

1.	Biodiversity of Microbes and Microbiology	3+0+0	BIO 211011
2.	Biochemistry I	3+0+0	BIO 211021
3.	Basic Genetics- I	3+0+0	BIO 211031
4.	Organic Chemistry	3+0+0	CHM 210041
5.	Bio Techniques	3+0+0	BIO 211090
6.	Disaster Management	3+0+0	
6.	Microbiology lab	0+0+2	BIO 212060
7.	Biochemistry and Genetics lab	0+0+2	BIO 212070
Total Credit		22	

Semester: IV

1.	Systematics and Biodiversity of Plants	3+0+0	BIO 221011
2.	Plant Physiology	3+0+0	BIO 221021
3.	Biochemistry-2 (Enzymes/Metabolism/Bioenergetics)	3+0+0	BIO 221031
4.	Environmental Biology/Ecology	3+0+0	BIO 221041

5.	Molecular Biology	3+0+0	BIO 221051
6.	Plant Systematics, Physiology and Ecology Lab	0+0+2.5	BIO 222060
7.	Biochemistry and Molecular Biology Lab	0+0+2.5	BIO 222070
Total Credit		20	

Semester: V (Electives)*

1.	Neuroscience	3+1+0	BIO 315011
2.	Drug Discovery and Delivery	3+1+0	BIO 315021
3.	Animal Cell and Tissue Engineering	3+1+0	BIO 315031
4.	Introduction to Biophysics	3+1+0	BIO 315040
5.	Photobiology	3+1+0	BIO 315050
6.	Functional Proteins and Enzymology	3+1+0	BIO 315060
7.	Cancer biology	3+1+0	BIO 315071

***Total credit to be selected from parent department: Not less than 16**

Semester: VI

1.	Systematics & Biodiversity of Animals	3+0+0	BIO 321011
2.	Animal Physiology	3+0+0	BIO 321021
3.	Plant Developmental Biology	3+0+0	BIO 321030
4.	Molecular Genetics	3+0+0	BIO 321041
5.	Basic Immunology	3+0+0	BIO 321051
6.	Humanities and Social Sciences	3+0+0	HSS 320060
7.	Animal Physiology, Immunology Lab	0+0+2	BIO 322070
8.	Molecular Genetics Lab	0+0+2	BIO 322080
9.	Animal Biodiversity Lab	0+0+2	BIO 322090
Total Credit		24	

Semester: VII

1.	Animal Development Biology and Endocrinology	3+0+0	BIO 411011
2.	Biotechnology and Bioethics	3+0+0	BIO 411021
3.	Bioinformatics	3+0+0	BIO 411031
4.	Virology	3+0+0	BIO 411041
5.	Biophysical Chemistry	3+0+0	BIO 411051
6.	Developmental Biology Lab	0+0+2	BIO 412060

7.	Virology Lab	0+0+2	BIO 412070
8.	Bioinformatics Lab	0+0+2	BIO 412080
Total Credit		21	

Semester: VIII

1.	Advanced Cell Biology	3+0+0	BIO 421011
2.	Advanced Molecular Biology	3+0+0	BIO 421021
3.	Genomics/Proteomics/Metabolomics	3+0+0	BIO 421031
4.	Immunobiology/Immunogenetics	3+0+0	BIO 421041
5.	Nanobiotechnology	3+0+0	BIO 421051
6.	Cell and Molecular Biology Lab	0+0+2	BIO 422060
7.	Immunobiology lab	0+0+2	BIO 422070
8.	Nanobiotechnology Lab	0+0+2	BIO 422080
Total Credit		21	

Semester: IX

1.	Biophysics and Structure Biology	3+0+0	BIO 511011
2.	Biomembrane and Bioenergetics	3+0+0	BIO 511021
3.	Evolutionary Biology	3+0+0	BIO 511031
4.	Pathogen and diseases (Plants and Animal)	3+0+0	BIO 511041
5.	Applied Microbiology	3+0+0	BIO 511051
6.	Pathology Lab	0+0+2	BIO 512060
7.	Evolutionary Biology lab	0+0+2	BIO 512070
8.	Industrial Microbiology lab	0+0+2	BIO 512080
Total Credit		21	

Semester: X (Student should select 3 theory courses and one project work)

1.	Plant Biotechnology	3+0+0	BIO 526011
2.	Animal Biotechnology	3+0+0	BIO 526021
3.	Microbial Biotechnology	3+0+0	BIO 526031
4.	Cancer Biology and Therapeutics	3+0+0	BIO 526041
5.	Neurobiology	3+0+0	BIO 526051
6.	Ecology / Adaptationl Ecosystems	3+0+0	BIO 526061
7.	Systems biology	3+0+0	BIO 526071

8.	Project work(Dissertation)	0+0+9	BIO 524080
9.	Seminar	0+0+2	BIO 524090
Total Credit		20	

Five-Year Integrated Program in Mass Communication

SEMESTER –I CREDITS

1.1 Introduction to Mass Communication	4
1.2 Reporting: Principles and Practices	4
1.3 Editing: Principles and Practices	4
1.4 Communicative English	4
1.5 Lab Journal*	4

SEMESTER –II

2.1 Intellectual Background to Media Studies	4
2.2 Computer Applications & Basic Multimedia Skills	4
2.3 Photography Theory	4
2.4 Communication Skills	4
2.5 Photography Practical	4
2.6 Environment Science	3

SEMESTER –III

3.1 Theories of Communication	4
3.2 Press Laws	4
3.3 Writing for Media	4
3.4 History of Media	4
3.5 Lab Journal*	4

SEMESTER –IV

4.1 Media Ethics & Society	4
4.2 Development Communication	4
4.3 Documentary Film Theory	4
4.4 Regional Language Media	4
4.5 Documentary Film Production (Practical)	4

SEMESTER –V

5.1 Advertising: Theory & Practice	4
5.2 Media Management	4
5.3 Public Relations: Theory & Practice	4
5.4 Rural Communication	4
5.5 Photo Journalism and Other Media	4
5.6 Radio News Broadcast	4
5.7 Models of Communication	4

Student will have to earn minimum 20 credits out of which minimum 70% should be from the above electives.

SEMESTER –VI

6.1 Brand Management	4
6.2 New Media	4
6.3 Science and Technology Communication	4
6.4 Corporate Communication	4
6.5 Internship	10

SEMESTER VII

CREDITS

1. Cinema Studies	4
2. Radio Production Theory	4
3. International Communication	4
4. Advance Reporting and Writing	4
5. Radio Production (Practical)	4

SEMESTER VIII

1. Indian Society, Polity and Economy	4
2. Communication Research Methodology	4
3. Graphics Techniques	4
4. Television Production Theory	4
5. Television Production Practical	4

SEMESTER IX

1. Dissertation- I	5
2. Social and Political Thoughts	4
3. Leading Cases on Media Law	4
4. Lab Journal*	4

SEMESTER X

1. Dissertation – II	5
2. Communication Technologies	4
3. Production Portfolio	4
4. Internship	10

***Lab Journal:** Every six months the Centre for Mass Communication brings out lab journal *CUJian Age*. This journal is prepared only by the students. They contribute through write-ups, reporting, and editing and page layout with latest version of Quark Xpress. In this regard they will be awarded 4 credits in the semesters in which the lab journal has been mentioned.

M.A. in Mass Communication

First Semester

Core Papers

Sr. No.	Paper	Credit	Marks
1.1	Basics of Communication	4	60+40=100
1.2	History of Media	4	60+40=100
1.3	Writing for Media	4	60+40=100
1.4	Advertising & Public Relations	4	60+40=100
1.5	New Media	4	60+40=100

Second Semester**Core Papers**

Sr. No	Paper	Credit	Marks
2.1	Communication Research	4	60+40=100
2.2	Reporting & Editing	4	60+40=100
2.3	Visual Communication	4	60+40=100
2.4	Media Laws & Ethics	4	60+40=100
2.5	Science and Technology Communication	4	60+40=100

Specializations: Broadly Centre will offer three specializations i.e. Print Media, Electronic Media and Corporate Communication to the students during third and fourth semester. Each student will opt for only one specialization which will be taught in both the semesters.

Third Semester**Core Papers**

Sr. No.	Paper	Credit	Marks
3.1	Cinema Studies	4	60+40=100
3.2	Communication Technology	4	60+40=100
3.3	Development Communication	4	60+40=100
3.4	Research Project –I	4	60+20+20=100

Specialized Papers**Print Media**

Sr. No	Paper	Credit	Marks
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3.5	Political Reporting	4	60+40=100
3.6	Editing and Layout Designing	4	60+40=100

Electronic Media

Sr. No.	Paper	Credit	Marks
3.5	Television Production	4	60+40=100
3.6	Web Journalism	4	60+40=100

Corporate Communication

Sr. No.	Paper	Credit	Marks
3.5	Business Communication	4	60+40=100
3.6	Integrated Marketing Communication	4	60+40=100

Fourth Semester

Core Papers

Sr. No.	Paper	Credit	Marks
4.1	Media Management	4	60+40=100
4.2	International Communication	4	60+40=100
4.3	Major Production Project	4	80+20=100
4.4	Research Project-II	4	60+20+20=100

Specialized Papers

Print Media

Sr. No.	Paper	Credit	Marks
4.5	Sports Journalism	4	60+40=100
4.6	Business Journalism	4	60+40=100

Electronic Media

Sr. No.	Paper	Credit	Marks
4.5	Television Journalism & Documentary Production	4	60+40=100
4.6	Radio Production	4	60+40=100

Corporate Communication

Sr. No.	Paper	Credit	Marks
4.5	Corporate Communication	4	60+40=100
4.6	Event Management	4	60+40=100

Each student would undergo an internship of minimum four weeks in any media organization during summer break and submit a report along with certificate of internship in the Centre for the evaluation in the last semester. S/he will also have to face a viva-voce about the internship.

Sr. No.	Paper	Credit	Marks
4.7	Industry Exposure/Internship	4	80+20=100

Ph.D. Course Works

Centre for Life Sciences

Sl	Paper Name	Code
1.	Research Methodologies (Core)	BIO 911010
2.	Science Communication (Core)	BIO 911020
3.	Life Sciences I (Core)	BIO 911030
4.	Life Sciences II (Core)	BIO 911040
5.	Bioinformatics (Core)	BIO 911050
6.	Introduction to cancer (Elective)	BIO 918060
7.	Molecular Neurobiology (Elective)	BIO 918070
8.	Molecular Plant Physiology (Elective)	BIO 918080
9.	Developmental Biology (Elective)	BIO 918090
10.	Microbiology and Biotechnology (Elective)	BIO 918100

Centre for Applied Physics

Sl	Paper Name	Code
1.	Nanophotonics and Application	PHY 911010
2.	Research Methodology	PHY 911020
3.	Laser Physics and Nonlinear Optics	PHY 911030

4.	Nuclear Physics	PHY 911040
5.	Heavy Ion Collision Physics	PHY 911050
6.	Fibre Optics: Comm.& Inst.	PHY 911060

Centre for Indigenous Culture Studies

Sl	Paper Name	Code
1.	Research Methodology	ICS 911010
2.	Indigenous and Traditional Knowledge System	ICS911020
3.	Endogenous Languages	ICS911030
4.	Computer Application and Statistical Analysis	ICS911040

Centre for Human Rights & Conflict Management

Sl	Paper Name	Code
1.	Research methods in Social Science	HRC 911010
2.	Theory of human Rights	HRC 911020
3.	History and Development of Human Rights in India	HRC 911030
4.	Governance, Civil Society, and Human Rights movements in India	HRC 911040

2. Teaching, Learning and Evaluation

Sl.No.	Particulars	Details			
2.1	Adherence to Academic Calendar	Most of the study programs are adhering to the Academic calendar except for the Centre for Education and few courses of study of Centre for Applied Mathematics due to shortage of expertise in the area of concern.			
2.2	Number of Working days per semester	Odd Sem~120 days Even Sem~93 days			
2.3	Number of faculty members (Full-time/part-time/visiting etc.)				
		Name of Centre	Number of faculty Members		
			Full Time	Temp.	UGC FRP, DST Inspire etc
		Appl.Chem.	6	0	2
		Appl Maths	4	3	0
		Appl Phys.	5	3	2
		Business Admin	5	3	0
		Education	0	14	0
		Energy Engg	5	0	0
		English Studies	3	4	0
		Environmental Science	4	3	1
		Far East Lang	6	5	0
		Hum. Rights and Conf. Mgt.	3	0	0
		Hum and Soc Sci	2	0	0
		Ind. Cult.Stu.	4	0	0
		Int. Rel	3	0	0

		<table><tr><td>Land Res. Mgt.</td><td>4</td><td>2</td><td>1</td></tr><tr><td>Life Sc.</td><td>5</td><td>0</td><td>2 + 2 (DBT)</td></tr><tr><td>Mass Comm</td><td>5</td><td>0</td><td>0</td></tr><tr><td>Music and Performing Arts</td><td>4</td><td>0</td><td>0</td></tr><tr><td>Nanotechnology</td><td>3</td><td>3</td><td>0</td></tr><tr><td>Tribal and Cust. Law</td><td>4</td><td>3</td><td>0</td></tr><tr><td>Tribal Folklore Language and Lit.</td><td>5</td><td>0</td><td>0</td></tr><tr><td>Water Engg and Mgt.</td><td>5</td><td>2</td><td>0</td></tr></table>	Land Res. Mgt.	4	2	1	Life Sc.	5	0	2 + 2 (DBT)	Mass Comm	5	0	0	Music and Performing Arts	4	0	0	Nanotechnology	3	3	0	Tribal and Cust. Law	4	3	0	Tribal Folklore Language and Lit.	5	0	0	Water Engg and Mgt.	5	2	0
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Environmental Science	9.5:1																			
2.5	Cadre Ratio (Professor: Associate Professor: Assistant Professor)	Sanctioned: 0.25: 05:1 (Prof: Associate Prof: Asst. Prof.) Working: 0.1: 0.11:1 Prof: Associate Prof: Asst. Prof.)																		
2.6	Retention percentages Cadre-wise	Percentage Retention (Prof.-81.82%, Associate Prof. 66%, Assistant Professor 86.59%)																		
2.7	Innovation by the faculty in teaching/learning	Faculty members sensitize students about the use of E book and other e resources including research articles to enrich their learning experience, furthermore interaction with outside university subject experts, seminar, industrial visits are also conducted. Students can take copy of Power point presentation, handouts for future use. Students are also encouraged to use online video lectures from Internationally renowned universities for their learning process.																		
2.8	Teaching-Learning with ICT support	Students are taught with the help of ICT tools like Power Point, smart class/ Models/ Recorded lecture video available on You-tube, etc. as per requirement or availability of infrastructure																		
2.9	Faculty development/continuing education programs	Faculties are Participating In Orientation/ Refresher/ Summer School/ Winter School/																		

		Conferences/ Faculty Development Programs
2.10	Quality of Question papers and assignments	Question Papers are set as per instructions at School level; Moderation is done at centre level. Assignment quality is specified by respective faculties
2.11	Manual / Online Evaluation system	Manual
2.12	Absolute/Relative grading mechanism	Absolute Grading
2.13	Continuous assessment and weightages	As per University Ordinance OA-12 Three sessional exams/ semester (one sessional /month). Best 2 Sessional exam marks included for final result preparation. Weightage: 40%
2.14	Pass/Fail criteria	40% in individual paper and 45% in total. In Ph.D. Coursework student must score 60% to be eligible for registration.
2.15	Examiners/Evaluators selection methodology	On the recommendation of School Board.
2.16	Proportion of Internal/External examiners	Theory paper: 100% Internal Practical; One Internal and One External. (50%) Dissertation/Project report: One Internal and One External
2.17	Awards of percentages criteria	As per University Ordinance OA-12 Valuation of theory papers 40% marks from Sessional 60% marks from end Semester Examination In Practical/Viva/etc. 100% from end semester. valuation of Project Report/Dissertation and Viva-voce Periodical presentation-20% Concise Dissertation-60 % Viva-voce-20% following is the conversion formula from SGPA/CGPA to percentage, as applicable in the university: $80 + (\text{CGPA} - 8.5) \times 10 > 8.5$ $70 + (\text{CGPA} - 7.5) \times 10 > 7.5 \text{ to } 8.49$

		<p> $60 + (\text{CGPA} - 6.5) \times 10$ > 6.5 to 7.49 $55 + (\text{CGPA} - 5.5) \times 10$ > 5.5 to 6.49 $50 + (\text{CGPA} - 4.5) \times 10$ > 4.5 to 5.49 $45 + (\text{CGPA} - 4.0) \times 10$ > 4.0 to 4.49 $35 + (\text{CGPA} - 3.0) \times 10$ > 3.0 to 3.99 $30 + (\text{CGPA} - 2.5) \times 10$ > 2.5 to 2.99 $25 + (\text{CGPA} - 2.0) \times 10$ > 2.0 to 2.49 $15 + (\text{CGPA} - 1.0) \times 10$ > 1.0 to 1.99 $0 + (\text{CGPA} - 0.5) \times 10$ > 0.0 to 0.99 </p> <p>Applied Mathematics</p> <table> <tr> <th>Letter</th><th>Numerical Equivalent (Grade Points)</th><th>Range of % of Marks</th></tr> <tr><td>S</td><td>10</td><td>90-100</td></tr> <tr><td>A</td><td>9</td><td>80-89</td></tr> <tr><td>B</td><td>8</td><td>70-79</td></tr> <tr><td>C</td><td>7</td><td>60-69</td></tr> <tr><td>D</td><td>6</td><td>50-59</td></tr> <tr><td>E</td><td>5</td><td>40-49</td></tr> <tr><td>F</td><td>0</td><td><40</td></tr> </table> <p>For All Subjects except Applied Mathematics</p> <table> <tr> <th>Letter</th><th>Numerical Equivalent (Grade Points)</th><th>Range of % of Marks</th></tr> <tr><td>S</td><td>10</td><td>85-100</td></tr> <tr><td>A</td><td>9</td><td>75-84</td></tr> <tr><td>B</td><td>8</td><td>65-74</td></tr> <tr><td>C</td><td>7</td><td>55-64</td></tr> <tr><td>D</td><td>6</td><td>50-54</td></tr> <tr><td>E</td><td>5</td><td>40-49</td></tr> <tr><td>F</td><td>0</td><td><40</td></tr> </table>	Letter	Numerical Equivalent (Grade Points)	Range of % of Marks	S	10	90-100	A	9	80-89	B	8	70-79	C	7	60-69	D	6	50-59	E	5	40-49	F	0	<40	Letter	Numerical Equivalent (Grade Points)	Range of % of Marks	S	10	85-100	A	9	75-84	B	8	65-74	C	7	55-64	D	6	50-54	E	5	40-49	F	0	<40
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2.18	Quality of Evaluation	Evaluated answer scripts are given to respective students, grievance if any are redressed by concerned faculty. Final tabulation of results are																																																

		done after redressal of grievance if any.
2.19	Training of paper setters	Through Dean/Head of respective School and Centre
2.20	Teacher availability outside the class for interaction with the students	Apart from tutorial classes, students are interacted with the concern faculty after scheduled classes also.
2.21	Interactive classrooms; flow of information/knowledge both ways	Yes
2.22	Percentage content available online	The university has not developed any content but students can use study materials from NPTEL as well journal Ebooks from Infilibnet.
2.23	Robust system of Problem Based Learning	NA
2.24	Practical on actual hand experience basis/real experimentation	<p>Participation in summer training program offered jointly by Indian academies of Sciences</p> <p>Internship by Engineering and Technology students</p> <p>Summer Internship by the students of centre for Business administration</p> <p>Summer Internship by Students of Centre for Mass communication</p> <p>Centre for Mass com students make documentaries which are shown and awarded at various film festivals across the nation.</p> <p>Field Visits by Students of Indigenous Culture Studies, Human Rights and Conflict management.</p> <p>Research Students participate in various training schools conducted by National and International agencies.</p>

3. Research consultancy and Extension

3.1 Academic Research

- Journal Publications, Conferences , Chapters in edited books, books edited and text/reference books authored by the faculty is provided below 3.1 (a),
- Ph.D. Research Scholars are actively engaged in research
- Students are encouraged to spend substantial amount of time in library, laboratories and online resources

3.1 (a) Publications in Journals

S. No	Faculty Name	Centre	Publications (Number of Papers)		Chapters in Edited Books
			Impact Factor	Non-Impact Factor	
1.	Dr. J Tanti	Applied Mathematics	2	0	0
2.	Dr. H Mahato	Applied Mathematics	1	1	0
3.	Dr. J Kumar	Applied Mathematics	0	2	0
4.	Dr. P K Parida	Applied Mathematics	0	9	0
5.	Dr. Rabindranath Sarma	TFLL	0	5	0
6.	Dr. M. Ramakrishnan	TFLL	0	4	0
7.	Dr. T. Neishoning Koireng	TFLL	1	1	0
8.	Dr. Walter Beck	TCL	0	6	0
9.	Dr. Rashwet Shrinkal	TCL	0	3	1
10.	Dr. Debendra Kumar Biswal	TCL	0	9	7
11.	Dr. Dev Vrat Singh	Mass Comm.	0	8	7
12.	Ms Rashmi Verma	Mass Comm.	0	2	4
13.	Dr. Paramveer Singh	Mass Comm.	6	6	0
14.	Dr. Sudharshan Yadav	Mass Comm.	0	3	4
15.	Mr. Rajesh Kumar	Mass Comm.	0	3	2
16.	Prof. A C Pandey	LRM	3	14	0
17.	Dr. Amit Kumar	LRM	0	7	0
18.	Dr. K. Lal	LRM	0	1	0

19.	Dr. Kiran Jalem	LRM	0	2	0
20.	Dr. Bikash R Parida	LRM	0	1	0
21.	Dr. Bibhuti Bhusan Biswas	CIR	0	3	5
22.	Dr. Aparna	CIR	0	3	5
23.	Dr. Sujit K Choudhary	HSS	0	8	3
24.	Dr. Sanhita Sucharita	HSS	0	6	3
25.	Dr. Sucheta Sen Choudhary	ICS	0	4	5
26.	Mr. Rajanikant Pandey	ICS	0	3	5
27.	Dr. Seema Mamta Minz	ICS	0	2	1
28.	Dr. Rabindranath Sarma	ICS	0	1	1
29.	Dr. Roselima Kamei Pamei	ICS	0	0	1
30.	Mr. G Kanato Chopy	ICS	0	0	5
31.	Dr. Meenakshi Munda	ICS	0	2	0
32.	Ms. Reena Bharati	ICS	0	1	0
33.	Dr. Deepika Srivastava	CPA	0	2	0
34.	Dr. Jaya Shahi	CPA	0	8	0
35.	Ms. Arpana Raj	CFEL	0	1	0
36.	Dr. Konchok Tashi	CFEL	0	6	5
37.	Dr. Kalsang Wangmo	CFEL	0	1	0
38.	Mr. Shashi Mishra	CFEL	0	4	0
39.	Mr. Mukesh Jaiswal	CFEL	0	1	2
40.	Mr. Sandeep Biswas	CFEL	0	2	0
41.	Prof. AN Misra	CLS	17	1	0
42.	Dr. Rajakishore Mishra	CLS	12	1	0
43.	Dr. P. K. Sharma	CLS	5	4	0
44.	Dr. A. Kumar	CLS	0	2	0
45.	Dr. H. Firdaus	CLS	1	0	0
46.	Dr. Pallavi Sharma	CLS	3	1	0
47.	Dr. A K Panda	CLS	29	2	0
48.	Dr. A K Sarkar	CBA	0	5	4
49.	Dr. Nagapavan Chintalapati	CBA	1	7	12
50.	Ms. Pragyan Pushpanjali	CBA	0	0	4
51.	Dr. Nitesh Bhatia	CBA	0	1	4
52.	Mr. Mahendra Singh	CBA	0	9	0

53.	Prof. H P Singh	CWEM	9	2	0
54.	Dr. Ajai Singh	CWEM	3	2	0
55.	Dr. P K Parhi	CWEM	6	2	0
56.	Dr. Birendra Bharati	CWEM	3	0	0
57.	Dr. Pratibha Warwade	CWEM	4	3	0
58.	Dr. G P Singh	CNT	7	3	4
59.	Dr. A.S.Bhattacharyya	CNT	11	4	0
60.	Dr. Lawrence Kumar	CNT	10	2	0
61.	Dr. Manoj Kumar	CEVS	20	10	2
62.	Dr. Bhaskar Singh	CEVS	13	2	11
63.	Dr. Purabi Saikia	CEVS	4	10	3
64.	Dr. Pragya Sourabh	CEVS	1	1	0
65.	Dr. Kuldeep Baudh	CEVS	12	3	8
66.	Dr. Shreya Bhattacharji	CES	0	7	7
67.	Dr. Ranjit Kumar	CES	0	5	1
68.	Dr. Mayank Ranjan	CES	0	10	0
69.	Dr. Avijit Ghosh	CAP	11	1	0
70.	Dr. Dharmendra Singh	CAP	1	2	0
71.	Dr. Vinnet Agotiya	CAP	1	1	0
72.	Prof. S Medhekar	CAP	8	0	0
73.	Prof. R. K. Dey	CAC	4	0	0
74.	Dr. Arun Kumar Padhy	CAC	1	0	0
75.	Dr. Biplab Kumar Kuila	CAC	7	0	0
76.	Dr. Raj Bahadur Singh	CAC	1	0	0
77.	Dr. Partha Ghosh	CAC	2	0	0
78.	Dr. Soumen Day	CAC	1	0	0
79.	Ms. Shipra Sagar	CAC	2	0	0
Total			223	248	126

3.1(b) Publications by Research Scholars

S. No	Scholar Name	Centre	Publications (Number of Papers)		Chapters in Edited Books
			Impact Factor	Non-Impact Factor	
80.	Ram Chandra Oraon	TCL	1	3	0
81.	Farhan Rahman	TCL	0	2	1
82.	Eva Jyoti Lakra	TCL	0	1	0
83.	Manoj Kumar	TCL	0	3	0
84.	Meena Kumari	TCL	0	2	0
85.	Neha Pandey	Mass Comm.	0	0	1
Total			1	11	2

3.1 (c) Books Published (20 Books)

S. No	Name of Faculty	Title of Book	Publisher	Year
1	Dr. DevVrat Singh	Television Production	MCNUJMC, Bhopal	2014
2	Dr. DevVrat Singh	Media Manthan	Wisdom Publications, New Delhi	2013
3	Dr. DevVrat Singh	Indian Television: Content, Issues and Debate	Har-Anand Publications, New Delhi	2012
4	Dr. DevVrat Singh	Television Patrakarita- EkPrichaya	Natraj Publications, New Delhi	2009
5	Dr. DevVrat Singh	Bharatiya Electronic Media	Prabhat Prakashan	2007
6	Dr. Paramveer Singh	Video Production	Kalpna Prakashan	2016
7	Dr. Paramveer Singh	Radio Production	Kalpna Prakashan	2017
8	Dr. Paramveer Singh	Bhartiya Television ka Itihas	Educreation Publication, New Delhi	2017
9	Dr. Amrit Kumar	<i>Samachar Patron kiPrishthhSajja: Sidhant V Tachnique</i>	Swakshar Publication, New Delhi	2017
10	Dr. Sunil Deepak Ghodke	<i>MastanikaBajirao</i>	Educreation Publication, New Delhi	2017
11	Dr. Sujit Kumar Choudhary	<i>Education, NGOs and Social Capital: A Micro Study of Tribals</i>	Satyam Books, New Delhi	2012
12	Dr. Sanhita Sucharita	Agrarian Crises in Indian Farmers	Best Publishing House, New Delhi	2017
13	Dr. Sanhita Sucharita	Fiscal Policy Rule in India	Heritage Publisher April	2016
14	Dr. Sanhita Sucharita	FDI and Economic Growth	Rawat Publication	2013

15	Prof M C Behera	Amazing Arunachal Pradesh (Book)	New Delhi Aryan International	2013
16	Prof. M C Behera	Globlisation and Northeast: Issues Betwixt and Between (Book)	Gauhati: DVS	2013
17	Dr. Manoj Kumar	Land surface and micrometeorological processes over trough	LAMBART Academic Publication	2015
18	Dr. Mayank Ranjan	A Critical Handbook of English Drama	Globus Press	2014
19	Dr. Mayank Ranjan	An Introduction to English Literature	Globus Press	2014
20	Dr. Mayank Ranjan	Theory and Practice of Socio-Linguistics	Globus Press	2014

3.1 (d) Books Edited (05)

S. No	Faculty Name	Title of the Book	Publisher and Year
1	Dr. Taposh Ghoshal, Dr. A K Sarkar, Dr. Nitesh Bhatia, Ms. Pragyan PUshepanjali, Dr. Nagapavan Chintalapati, Mr. Mahendra Singh	The Next Leap - Exploring new paradigms of Business	Excel Publisher 2014
2	Dr. Nagapavan Chintalapati	Management of Management Department A Road to Excellence	MTC Global 2013
3	Dr. Nagapavan Chintalapati	Faculty Development in Management Education: Issues, Perspectives, Components and Challenges	MTC Global 2013
4	Kuldeep Baudh, Bhaskar Singh	Phytoremediation Potential of Bioenergy Plant	Springer Nature 2017
5	Bhaskar Singh , Kuldeep Baudh	Algae and Environmental Sustainability	Springer 2017

3.1 (e) Conferences Attended (368 International and 422 National Conferences)

S. No	Name of Faculty / Scholar / Student / Staff	Centre	Number of International Conference(s)	Number of National Conference(s)
1.	Dr. J. Tanti	Applied Mathematics	0	8
2.	Dr. P. K. Parida	Applied Mathematics	3	5
3.	Dr. J. Kumar	Applied Mathematics	0	4
4.	Dr. Rabindranath Sarma	TFLL	3	9
5.	Mr. Sudhanshu Shekhar	TFLL	2	6
6.	Dr. T.Neishoning Koireng	TFLL	2	2
7.	Dr. Jisha C.K.	TFLL	4	8
8.	Dr. M.Ramakrishnan	TFLL	5	5
9.	Ms. Ria Mukherjee	TFLL	1	8
10.	Mr. Manjit Mahanta	TFLL	5	9
11.	Mr. Niraj Kumar	TFLL	1	9
12.	Ms. Priyanak Kumari	TFLL	1	5
13.	Dr Walter Beck	TCL	5	6
14.	Rashwet Shrinkhal	TCL	3	2
15.	Dr.Debendra Kumar Biswal	TCL	8	16
16.	Ram Chandra Oraon	TCL	1	2
17.	Farhan Rahman	TCL	1	2
18.	Eva JyotiLakra	TCL	1	4
19.	Manoj Kumar	TCL	1	2
20.	MeenaKumari	TCL	7	8

21.	ShaliniSaboo	TCL	0	3
22.	Raushan Kumar	TCL	1	3
23.	Dr. DevVrat Singh	Mass Comm.	3	1
24.	Ms RashmiVerma	Mass Comm.	2	4
25.	Dr. Paramveer Singh	Mass Comm.	3	1
26.	Dr. SudarshanYadav	Mass Comm.	0	3
27.	Mr. Rajesh Kumar	Mass Comm.	1	2
28.	Dr. VinayBhushan	Mass Comm.	0	1
29.	Prof. AC Pandey	LRM	1	2
30.	Dr. Amit Kumar	LRM	1	3
31.	Dr. K. Lal	LRM	0	1
32.	Dr. Kiran Jalem	LRM	0	5
33.	Dr. Bikash Parida	LRM	1	0
34.	Mr. Tauseef Ahmed	LRM	3	1
35.	Mr. Basir Ahmed KK	LRM	1	1
36.	Mr. Gaurav Tripathy	LRM	1	0
37.	Ms. Vinita Kumar	LRM	2	0
38.	Mr. Satender Choudhary	LRM	1	0
39.	Ms. Stuti	LRM	1	0
40.	Saurabh Gupta	LRM	2	0
41.	Dr. Ranvijay	CIR	4	0
42.	Dr. Bibhuti Bhusan Biswas	CIR	8	2
43.	Dr. Aparna	CIR	3	9

44.	Dr. Sujit Kumar Choudhary	HSS	6	23
45.	Dr.SanhitaSucharita	HSS	2	4
46.	Dr. Ashok Nimesh	HRCM	7	7
47.	Sucheta Sen Chaudhury	ICS	01	22
48.	Rajanikant Pandey	ICS	05	10
49.	Seema Mamta Minz	ICS	04	07
50.	Tulsidas Majhi	ICS	01	03
51.	Rabindranath Sarma (2011-13)	ICS	08	08
52.	Roselima Kamei Pamei(2016-17)	ICS	0	03
53.	Minakshi Munda(2014-15)	ICS	01	01
54.	Reena Bharti(2016-17)	ICS	01	03
55.	Kanato G Choppy(2013-16)	ICS	03	01
56.	Prof. M C Behera (2012-13)	ICS	04	0
57.	Dhritman Sharma (2010-11)	ICS	0	02
58.	Dr. Deepika Srivastava	CPA	3	5
59.	Dr.JayaShahi	CPA	01	04
60.	Mr.ShakirTasnim	CPA	02	05
61.	Mr.Venkata Naresh Burla	CPA	06	04
62.	Ms. Arpana Raj	CFEL	5	2
63.	Dr. Konchok Tashi	CFEL	3	3
64.	Dr. Kalsang Wangmo	CFEL	3	2
65.	Mr. Shashi Mishra	CFEL	8	0

66.	Mr. Mukesh Jaiswal	CFEL	5	1
67.	Mr. Sandeep Biswas	CFEL	1	0
68.	Prof. A.N. Misra	CLS	12	19
69.	Dr. R. Mishra	CLS	09	03
70.	Dr. P.K. Sharma	CLS	01	03
71.	Dr. Anil Kumar	CLS	00	00
72.	Dr. Hena Firdaus	CLS	04	04
73.	Dr. A.K. Panda	CLS	01	00
74.	Dr. P. Sharma	CLS	01	03
75.	Dr. V.K. Srivastava	CLS	00	00
76.	Dr. Abhay K. Singh (Research Associate)	CLS	04	00
77.	Mr. MD.EKHLAQUE AHMED KHAN (Research Scholar)	CLS	03	02
78.	Mr. MANZAR ALAM (Research Scholar)	CLS	03	00
79.	Ms. KIRAN KACHHAP (Research Scholar)	CLS	02	01
80.	Mrs. ANISHA RUPASHREE (Research Scholar)	CLS	01	01
81.	Mr. AMIT KUMAR GAUTAM (Research Scholar)	CLS	03	01
82.	Mr. SHOVIT RANJAN (Research Scholar)	CLS	04	01

83.	Mr. SATISH KUMAR (Research Scholar)	CLS	01	02
84.	Ms. MADHAVI DUBEY (Research Scholar)	CLS	03	02
85.	Mrs. SANJITA ABHIJITA (Research Scholar)	CLS	02	01
86.	Mr. VIKRAM PAL GANDHI (Research Scholar)	CLS	01	00
87.	Mr. KAMDEO KUMAR PRAMANIK (Research Scholar)	CLS	04	00
88.	Ms. TANUSHREE (Research Scholar)	CLS	04	00
89.	Ms. KUMARI PRAGATI NANDA (Research Scholar)	CLS	01	02
90.	Ms. RAJANI SINGH (Research Scholar)	CLS	01	02
91.	Ms MEGHA VAISHNAVI (Research Scholar)	CLS	01	00
92.	Dr. A K Sarkar	CBA	5	1
93.	Dr. Nagapavan Chintalapati	CBA	9	8
94.	Dr. Nitesh Bhatia	CBA	7	6
95.	Ms. Pragyan Pushpanjali	CBA	2	2
96.	Mr Mahendra Singh	CBA	6	5
97.	H.P. Singh	CWEM	2	1
98.	Ajai Singh	CWEM	0	13
99.	P.K. Parhi	CWEM	4	1

100.	Birendra Bharti	CWEM	0	0
101.	Pratibha Warwade	CWEM	2	1
102.	Dr. G. P. Singh	CNT	04	03
103.	Dr. A.S.Bhattacharyya	CNT	03	02
104.	Dr. Lawrence Kumar	CNT	4	1
105.	Dr. Bhaskar Singh	CEVS	3	1
106.	Dr. Purabi Saikia	CEVS	7	4
107.	Dr. Pragya Sourabh	CEVS	0	2
108.	Dr. Kuldeep Bauddh	CEVS	2	0
109.	Dr. Shreya Bhattacharji	CES	18	10
110.	Dr. Ranjit Kumar	CES	1	2
111.	Dr. Mayank Ranjan	CES	2	1
112.	Kirankumar Natali (RS)	CES	4	4
113.	Ibrahim Al Huri (RS)	CES	2	4
114.	MD Humayun Sk (RS)	CES	1	1
115.	Gargy Ganguly (RS)	CES	1	0
116.	Neha Kumari (RS)	CES	2	0
117.	Suraj Kumar Saw (RS)	CES	1	2
118.	Poulomi Saha (RS)	CES	1	0
119.	Annu Priya (RS)	CES	0	1
120.	Devina Kumari (RS)	CES	0	1
121.	Manu Bharti (RS)	CES	0	1
122.	Khosbor Hoque (5 th sem.)	CES	2	0

123.	Shuvabrata Garai (5 th sem.)	CES	2	0
124.	Dipayan Mahato (5 th sem.)	CES	1	0
125.	Ashish Prasad Gupta (5 th sem.)	CES	1	0
126.	Dr. Avijit Ghosh	CAP	8	4
127.	Dr. Dharmendra Singh	CAP	1	1
128.	Dr. Vineet Agotiya	CAP	0	2
129.	Prof. S. Medhekar	CAP	1	4
130.	Dr.Arun Kumar Padhy	CAC	8	0
131.	Dr.Biplab Kumar Kuila	CAC	3	1
132.	Dr. Raj Bahadur Singh	CAC	1	1
133.	Dr.Partha Ghosh	CAC	1	0
134.	Dr.Soumen Day	CAC	5	2
135.	Ms. ShipraSagar	CAC	1	0
136.	MdShahid	CAC	1	0
Total			368	422

3.2 Sponsored Research

Funds Received by CUJ under sponsored projects from different funding agencies like (INSPIRE, UGC – FRP, DST, DBT, UGC, ICSSR, etc):

1-April-2009 till 31st March 2016:Rs.9,19,57,225/-

(Nine Crores Nineteen Lacs Fifty Seven Thousand Two hundred Twenty Five Only)

1st April 2016 till 31st March 2017: Rs.3,27,84,013/-

(Three crores Twenty Seven Lacs Eight Four Lacs Thirteen Only)

1st April 2017 till November 2017: Rs.1,56,67,936/-

(One Crore Fifty Six Lacs Sixty Seven Thousand Nine Hundred Thirty Six Only)

Summary of List of Projects:

S. No	Name of Faculty	Duration of Project	Funding Agency	Amount Sanctioned	Completed / ongoing
1.	Prof SK Tewari	01 Year	MHRD	Actual Expenditure paid by Ministry	Completed
2.	Prof SK Tewari	01 Year	IASE Deemed University, Sardarsahar, Churu (Rajasthan)	100000/-	Completed
3.	Prof. AC Pandey	3	SAC-ISRO	22.4	Ongoing
4.	Prof. AC Pandey	3	SAC-ISRO	12	Ongoing
5.	Prof. AC Pandey	3	SAC-ISRO	25.24	Ongoing
6.	Prof. AC Pandey	3	MOEF	38	Ongoing
7.	Dr. Amit Kumar	3	SAC-ISRO	11	Ongoing
8.	Dr. Amit Kumar	3	SAC-ISRO	24.3	Ongoing
9.	Dr. Amit Kumar	3	DBT	55.41	Ongoing
10.	Dr. Bikash Parida	3	SAC-ISRO	24.03	
11.	Dr. Bikash Parida	3	DST	16.56	Ongoing
12.	Dr.SanhitaSucharita	2 Years	ICSSR	10 Lakh	Ongoing
13.	Arpana Raj	Till publication of the translated work (around 2 years)	National Book Trust and Ministry of External Affairs, India		on going
14.	Prof. A. N. Misra, PI	3 yrs	UGC-MRP 2009-2012	Rs.9.6 lakhs	Completed
15.	Prof. A. N. Misra, PI	3yrs	DBT (Orissa)-MRP 2010-2013	Rs.4.5lakh	Completed
16.	Dr. R. Mishra	2013-16	DBT, Govt of India.	38.9 Lacs	Completed
17.	Dr. A.K. Panda	2014-	DST, Govt of India.	21 Lacs	Ongoing
18.	Dr. P. Sharma	2017-	DST, Govt of India; UGC, New Delhi.	40.7 Lac	Ongoing
19.	Departmental	2014-19	DBT - BUILDER,	443.1 Lacs	Ongoing

	Support (PI: Dean SNS Co PIs: Dr P.K. Sharma, Dr. R. Mishra, Dr. A. Kumar, Dr. H. Firdaus) Prof AN Misra (PI – 2014-17)		Govt of India.		
20.	Dr. G. P. Singh	03	DST	16.44 Lacs	Ongoing
21.	Dr. A. S. Bhattacharyya	03	DST	12.96 Lacs	Completed
22.	Dr. A. S. Bhattacharyya jointly with Energy Engineering under GEET	03	MHRD	1.5 Crores	Ongoing
23.	Bhaskar Singh (PI)	02	UGC, Govt. Of India	06.00	Completed
24.	Dr. Purabi Saikia (Co-PI)	03	SAC- Ahmedabad, Gol	24.30	Sanctioned
25.	Dr. Purabi Saikia (Co-PI)	04	DBT-New Delhi, Gol	Total 212.26 (55.42 of CUJ)	Ongoing
26.	Dr. Purabi Saikia (Co-PI)	02	SAC- Ahmedabad, Gol	11.00	Ongoing
27.	Dr. Purabi Saikia (PI)	03	SERB-New Delhi, Gol	29.36	Ongoing
28.	Dr. Purabi Saikia (PI)	02	UGC-New Delhi, Gol	06.00	Completed
29.	Dr Manoj Kumar	03	SAC, Ahmedabad	3.0 Lakhs released	Completed
30.	Dr manoj Kumar	03	ISRO HQ	Instruments are being <u>supplied@60.0</u> Lakhs	On-going
31.	Dr Manoj Kumar	01	SPL-VSSC Trivandrum	Conducted experiment during 25-29 July16	Completed
32.	Dr. Kuldeep Baudh	2 years	UGC	6,00000	Completed
33.	Dr. Kuldeep Baudh	3 years	(SERB)	23,95200	Approved
34.	Prof. S.K.Samdarshi (PI and Coordinator)	CGEET	MHRD, Govt. of India	250.00	Ongoing

	Dr. Basudev Pradhan(PI) Dr. Sachin Kumar(PI)				
35.	Dr. Basudev Pradhan	5 Years (2013-17)	SERB-DST	87.40	Ongoing
36.	Dr. Basudev Pradhan	3 years(2014-16)	UGC	6.00	Completed
37.	Dr. Sachin Kumar	3 years(2014-16)	UGC	6.00	Completed
38.	Dr. Avijit Ghosh PI Dr. Basudev Pradhan(Co-PI)	3 years (2016-19)	DST-CERI	99.64	Ongoing
39.	Prof Sarang Medhekar	3 years	DST	24.15 Lakhs	Completed
40.	Prof.Ratan Kumar Dey		UGC	12 lakh	Completed
41.	Dr.SoumenDey		DST	24.50 lakhs	Ongoing
42.	Dr.Biplab Kumar Kuila		DST	85 lakhs	Completed
43.	Dr.Biplab Kumar Kuila		DST	23 lakhs	Completed
44.	Dr.Biplab Kumar Kuila		CSIR	16 lakhs	Completed
45.	Dr.Biplab Kumar Kuila		Alexander von Humboldt Foundation, Germany	EUR 17,600/	Completed
46.	Dr.Biplab Kumar Kuila		MHRD	150 lakhs	Completed
47.	Dr.Biplab Kumar Kuila		Indian Photon Factory in Japan, DST, India	2 lakhs	Completed
48.	Dr. Raj Bahadur Singh		DST	23 lakhs	Ongoing
49.	Dr.Partha Ghosh		UGC	6.00 Lakh	Ongoing
50.	Dr.Partha Ghosh		DST	29.10 Lakh	Ongoing
51.	Dr.SabyasachiBhunia		DST	38.94Lakhs	Ongoing

The detail financial report for the sponsored projects is enclosed as Annexure III

3. 3 Consultancy / Training Programs

S. No	Centre	Name of Faculty	Organization Name	Value of Consultancy / Training Program (in Rupees)	Completed / ongoing
1.	TFL	Dr. Rabindranath Sarma	Social Impact Assesment, Central University of Jharkhand	More than 50 lakhs during 2016-17	Completed more than 10 projects. One is on-going.
2.	TCL	Dr. Walter Beck and Dr. Debendra Kumar Biswal	CUJ, UNICEF and Ministry of Panchayat raj, Govt. of Jharkhand	16 Lakhs	Completed
3.	TCL	Dr. Rashwet Shrinkhal	Government of Jharkhand	495907	Report submitted
4.	TCL	Dr. Rashwet Shrinkhal	Government of Jharkhand	1239844	Report submitted
5.	TCL	Dr. Rashwet Shrinkhal	Government of Jharkhand	13 lakh (approx.)	Report submitted
6.	ICS	Dr. Seema Mamta Minz	Rio-Tinto, India	1,00,000/- only	Completed
7.	ICS	Dr. Seema Mamta Minz	Land Acquisition and Reform Department, Govt. of Jharkhand	6,50,000/only	Completed
8.	CLS	Prof. A. N. Misra	DST/FICCI CV Raman	Local hospitality/ Fellowship:	Completed

			Fellowship for African Researchers (2) and visiting researcher	2014 Prof. A A. Mohamed, & 2012 Dr. Hamdino Ahmed, Egypt. 2012 Otuechere, C. A., Nigeria.	
9.	CBA	Dr. Nitesh Bhatia (co-ordinator & one of resource person)	7 day MDP on Research Methodology at Central University of Jharkhand, City Centre, from 11 th to 17 th Feb 2013	77000	Completed
10.	CBA	Ms. Pragyan Pushpanjali	Short Term Course on Managerial Skills		Completed
11.	CBA	Prof. T Ghoshal	One day workshop on Research Paper Writing		Completed
12.	CWEM	Dr. Ajai Singh	<i>Govt. of Jharkhand</i>	<i>20.86 lakh</i>	Completed
13.	CWEM	Dr. Ajai Singh	<i>Govt. of Jharkhand</i>	<i>39.55 lakh</i>	Completed
14.	CWEM	Dr. P K Parhi	<i>Drinking Water and Sanitation.</i>	<i>20.17 lakhs</i>	Completed

			<i>Govt of Jharkhand.</i>		
15.	CWEM	Dr. P K Parhi	<i>Social Impact Assessment of various Projects under the Government of Jharkhand</i>	<i>70.64 lakhs</i>	Completed

3.4 Faculty and Students Participation

Student's participation in research, consultancy and extension is in the areas of academic research, sponsored research, conferences organized and paper presentations in conferences.

Majority of the faculty of the university have published research papers, attended conferences, and organized conferences. Sponsored research is undertaken by select faculties and the list is given above in 3.2. Few faculties have undertaken consultancy and collaborated with external agencies and details are given in 3.3 and 3.5.

3.5 Collaborative Initiatives

University faculties have collaborated with external agencies for training and consultancy assignments (Details in 3.3). The details of Collaborations with various organizations and bodies are here below mentioned (30 collaborations and 43 conferences):

S. No	Centre	Name of Collaborator	Duration	Type of Collaboration	Measurable results (if any)
1	Dr. Walter Beck	UNICEF and Ministry of Panchayat Raj, Govt. of Jharkhand	2014-2016	CPWCDS in collaboration with CUJ, UNICEF and Ministry of Panchayat raj, Govt. of Jharkhand	Completed

2	Dr.Debendra Kumar Biswal	UNICEF and Ministry of Panchayat Raj, Govt. of Jharkhand	2014-2016	CPWCDS in collaboration with CUJ, UNICEF and Ministry of Panchayat raj, Govt. of Jharkhand	Completed
3	Centre for Mass Communication	UNICEF Jharkhand	Since 2016	Training and Developmental Activities	<ul style="list-style-type: none"> • 01 Three-Day Residential Photography Workshop • 01 Think-Tank Meeting • 03 Photo Walks • 01 Adolescent Street Theatre Workshop • 05 Radio Programme Recording • 01 Special Lecture on Child Right in Jharkhand
4	CLRM	Columbia Water Centre, Columbia University, New York	2	International	
5	CLS	Fulbright Foundation	3 weeks (2013)	Academic administration	Interacted with 15 USA univ. administrators.

6	CLS	CAS-Inst. of Microbiology, Trebon, Czech Rep..	2 month (2013)	Research/ International	Published 1 paper/ Reciprocal visit of the Director of CAS-Inst to CUJ
7	CLS	DST - Indo-Ukrain Co-op. in S&T	1 month (2012)	Research/ International	Worked in a project on bio-electronics/ bio-sensors at NAS, Kiev.
8	CLS	DST - Indo-Bulgaria Co-op. in S&T 2007-11..	Exchange visits	Research/ International	Worked in a project on biosensors at BAS, Sofia.
9	CLS	Prof. S. Nagini of Annamalai University, Tamil Nadu, India.	2012-2017	Research (One Research Project Funded from DBT, Govt of India; Prof S Nagini- CoPI)	Many High Impact Research Publications
10	CBA	Dr. Nitesh Bhatia along with Dr. Sudeep (Olin Business School, University of Washington), Dr. T.Dutta (IIM-Ranchi)	Since 03 September 2014 – ongoing	Academic Colloboration, to carry out an work on “Role of individual differences in negotiation. (Fund Sponsored by IIM-R &Equipment by UOW)	Final Data Analysis (videos) going on
11	CBA (Dr. Nitesh Bhatia)	UGC – HRDC, Ranchi University	From 2012	Resource Person for Training Programs	

12	CBA (Dr. Nitesh Bhatia)	VIT Business School, Vellore	2016	Resource Person for Training Programs	
13	CBA (Dr. Nitesh Bhatia)	Judicial Academy, Jharkhand	From 2016	Resource Person for Training Programs	
14	CBA (Dr. Nitesh Bhatia)	ISM Dhanbad	2014	Resource Person for Training Programs	
15	CBA (Dr. Nitesh Bhatia)	IICM, Ranchi	From 2014	Resource Person for Training Programs	
16	CBA (Dr. Nitesh Bhatia)	RDCIS, SAIL, Ranchi	2014	Resource Person for Training Programs	
17	CBA (Dr. Nitesh Bhatia)	Amity University Ranchi	2016-17	Resource Person for Training Programs	
18	CBA (Ms. Pragyan Pushpanjali)	Judicial Academy, Jharkhand	From 2011	Resource Person for Training Programs	
19	CBA (Ms. Pragyan Pushpanjali)	SKIPA	From 2011	Resource Person for Training Programs	
20	CBA (Ms. Pragyan Pushpanjali)	UGC – ASC, Ranchi University	From 2011	Resource Person for Training Programs	

21	CBA (Ms. Pragyan Pushpanjali)	Judicial Academy, Jharkhand	From 2011	Resource Person for Training Programs	
22	CBA (Ms. Pragyan Pushpanjali)	RDCIS, SAIL	From 2014	Resource Person for Training Programs	
23	CBA (Ms. Pragyan Pushpanjali)	IICM, Ranchi	From 2011	Resource Person for Training Programs	
24	CBA (Ms. Pragyan Pushpanjali)	IIAB, Ranchi	From 2011	Resource Person for Training Programs	
25	CAP	Inter University Accelerator Centre (IUAC), New Delhi			
26	CAP	AMU, Aligarh			
27	CAP	UGC-DAE, CSR Kolkata			
28	CAP	Tata Institute of Fundamental Research (TIFR)			
29	CAP	Bhabha Atomic Research Centre (BARC), Mumbai			
30	CAP	Department of Physics, IIT Gandhi Nagar			
The collaboration for conferences organized is provided below:					
S. No	Centre	Name of Conference	Year	Funding Agency	Amount Funded
1.	Applied Mathematics	Instructional School-2013	2013	NBHM, DAE	Rs 5. Lacs
2.	Applied Mathematics	National Seminar	2014	JSMS & CUJ	

3.	TFLL	Akhra 2013	2013	Tata Steel	5,00,000/-
4.	TFLL	Winter School of International Folkloristics	2014	University of Tartu and CUJ	
5.	TFLL	Seminar on the Language and Culture of Sangam Age	2014	CICT (MHRD)	3,00,000/-
6.	TFLL	Academic Seminar during Samvaad 2015	2015	Tata Steel	
7.	TFLL	Mother Language Day	2015	CUJ	
8.	TFLL	National Seminar on Life and works of Ram Dayal Munda	2016	Rumbol and Tata Steel	
9.	TFLL	ICSSR Workshop on Research Methodology	2016	ICSSR	
10.	TFLL	International Seminar on Endangered and Lesser known Languages	2016	CIIL (Mysore), Microsoft	
11.	TFLL	International Workshop on Endangered and Lesser known Languages	2016	CIIL (Mysore), Microsoft	
12.	IR	National Seminar on Decentralized Governance and Changing Paradox of Development in Rural Areas	September 11-12, 2013.	ICSSR	
13.	IR	National Seminar on India's Soft Power and Cultural Diplomacy,	2016	CUJ, MAKAIAS	Rs. 4,60,000/-

14.	IR	International Seminar on Internal Changes in South Asia: Challenges and Opportunities	2017	ICWA, CUJ	Rs. 5,00,000/-
15.	ICS	National Workshop on “Recent Trends in Culture Studies”	22 nd to 23 rd November, 2010	Central University Of Jharkhand	
16.	ICS	International Conference on “Tradition, Identity and Diversity: the Future of Indigenous Culture in a Globalized World”	1 st to 2 nd February, 2011	Central University Of Jharkhand	
17.	ICS	National Seminar on Indigenous Cultures and Dances of Jharkhand’	25-27 th August 2011	National Folklore Support Centre, Chennai	
18.	ICS	35 th Session of Indian Folklore Congress Indian Folklore Congress	12-14 th December 2011	Indian Folklore Congress	5 lakh
19.	ICS	National seminar and Akhra: Tribal India International Festival, Indigenous Environmental Philosophy in the Global Era”	8-10 th November 2012	ICSSR	2 lakh

20.	ICS	Workshop Reviving Storytelling	12-17 th March 2012		
21.	ICS	Workshop on TATA Fellowship with NFSC, Chennai	25-30 November 2012		1 lakh
22.	ICS	Indigenous Painting Appreciation Workshop International Day of World's Indigenous People	12 th August 2013	Central University Of Jharkhand	
23.	ICS	Indigenous Painting Appreciation Workshop International Day of World's Indigenous People	9 th August 2014	Central University Of Jharkhand	
24.	ICS	National Seminar on "International Day of World's Indigenous People in 21st century"	8th August 2015	Department of Welfare, Government of Jharkhand	1,00,000/- only
25.	ICS	Ten Days Workshop on Research Methodology	18-27th August 2015	ICSSR	4,90,000/- only
26.	ICS	Felicitation of Shree Simon Oraon and his Popular Talk Natural Resource conservation	4 th September 2015	Central University Of Jharkhand	
27.	ICS	Ten Day Workshop on Documentary Film Making	11th -20th April 2016	Central University Of Jharkhand	

28.	ICS	Jharkhand Painting Workshop and Celebration of International Day of World's Indigenous People	9 th August 2016	Central University Of Jharkhand	
29.	ICS	One day Seminar on Indigenous Heroes of Jharkhand and International Day of World's Indigenous People	9 th August 2017	Central University of Jharkhand	
30.	CPA	Cultural Creative Expressions, Performing Arts	2015	CISDR	
31.	CFEL and CES	Voice from the Margin: Society, Culture and Exclusion	2013	Indian Council of Social Science Research (ICSSR) & Central University of Jharkhand (CUJ)	Rs. 5 Lac from ICSSR & Rs. 5 Lac from CUJ
32.	CLS	1 st International Conference on Human Implications of Biotechnology at CUB, 2016 on 12 th -14 th February, Patna, India.	2016	Central University of Jharkhand (CUJ)	-

33.	CLS	International Symposium on “Advances in Cancer Research: Drug Discovery to Delivery”. This was jointly organized by Central University of Jharkhand (CUJ) and Carcinogenesis Society, USA at on Nov19. 2013 at CUJ, Ranchi, India.	2013	Central University of Jharkhand (CUJ) and Carcinogenesis Society, USA	-
34.	CBA	The Next Leap	2014		
35.	CWEM	<i>National Conference on Water and Sustainable Development</i>	<i>2016</i>	<i>CUJ, MoES, NABAD, PHD Chamber of Commerce</i>	<i>3.8 lacs</i>
36.	CES	Text, Culture and Performance: Postcolonial Issues	2012	Indian Association for Commonwealth Literature and Language Studies & CUJ	
37.	CES	Embittered History: Post-memory of Partition	2013	CUJ	
38.	CES	A series of Special Lectures	2015	CUJ	

39.	CAP	Demo show/ stage show of physics experiments for undergraduate and Post graduate students of Prof. M. S. Marwaha, Retd. Principal, Sri Guru Gobind Singh College, Chandigarh to explain the importance of Hands-on activities in teaching and learning Physics concepts. Was arranged on 5th April 2016 in the University Auditorium.	2106	University	----
40.	CAP	National Conference on Nuclear and Radiation Physics (NCNAP-2016) during 4-6, Oct. 2016 in the University Campus	2016		
41.	CAP	Arranged Observance of Vigilance Awareness Week 2016 from 31st October to 5th November 2016	2016		

42.	CAP	National Workshop on Radiation during February 13-15, 2013 at Central University of Jharkhand, Brambe, Ranchi	2013		
43.	CAP	IUAC Acquaintance Programme at CUJ, Ranchi, Jharkhand (November 23, 2012)	2012		

3.6 joint Projects, Joint Papers, and Joint consultancy

Yes, the University encourages the faculties to undertake joint projects, joint papers and joint consultancy. Accordingly faculty members are engaged in that.

3.7 Research Awards and Recognition (30)

S. No	Centre	Name of Faculty	Recognition / Award	Awarding Agency	Year of Award/ Recognition	Monetary Value (if any)
1	TFLL	Dr. M.Ramakrishnan	Research Award	UGC	2016	Salary + 2 lakh Research Grant
2	LRM	Amit Kumar	Recipient of international travel grant	SERB, DST	2017	
3	LRM	Bikash Parida	Young Scientist	SERB YSS	2016	16.56
4	LRM	Bikash Parida	UGC-FRP	UGC	2016	
5	HSS	Dr. Sujit Kumar	2 Years	UGC	2 Years full	Ongoing

		Choudhary			salary+2 Lakh Research Grants	
6	HSS	Dr. Sujit Kumar Choudhary	Bharat Vikas Award	Institute of Self Reliance, Bhubanes war	2017	
7	HSS	Dr. Sujit Kumar Choudhary	Jewel of India Award	<i>Internation al Institute of Education and Managem ent</i> at New Delhi	2016	
8	HSS	Dr. Sujit Kumar Choudhary	Shiksha Rattan Puruskar	<i>India Internation al Friendship Society</i> at New Delhi	2012	
9	ICS	Rajanikant Pandey	First Prize for best paper presentation	Departmen t of Anthropol ogy Delhi University	2016	None
10	CLS	Dr. R Mishra	Chairperson of a Symposium: on Innovations in Cancer Treatment and Research on 21 st Feb. 2015 at Jaipur, Rajasthan, India	The 34 th Conventio n of IACR	2015	

11	CLS	Dr. R Mishra	Chairperson of a Session: Environmental Mutagenesis, Carcinogenesis and Health and 40 th Annual Meeting of EMSI from February 17-19, 2016 (ICEMCH2016) Amritsar, Punjab, India	ICEMCH 2016	2016	
12	CLS	Dr. R Mishra	Co-chairperson of a Session: International Conference, Cancer Screening & Diagnosis Radiation, Surgical and Medical oncology and Anti-Cancer Drug Discovery & Therapy at World Congress on Cancer Research & Therapy on Nov 21-23, 2016 at Miami, Florida, USA	World Congress on Cancer Research & Therapy on Nov 21-23, 2016 at Miami, Florida, USA	2016	
13	CBA	Dr. Nitesh Bhatia	Best Paper Award – National Seminar on Cyber Security: emerging Trends	The ICFAI University, Jharkhand	2017	Nil
14	CNT	Dr. G. P. Singh	BOYSCAST	DST	2011	
15	CNT	Dr. G. P. Singh	Fast Track Young Scientist	DST	2011	
15	CEVS	Dr. Purabi Saikia	Member of IUCN-Commission on Ecosystem Management (CEM) for the session 2017-2020	International Union for Conservation of Nature	September 2017	-
17	CEVS	Dr. Purabi Saikia	Life Member of Indian Society for Geomatics	ISRO, India	January 2017	-

18	CEVS	Dr. Purabi Saikia	Editorial Board Member, Current Trends in Forests Research	Gavin Publishers, USA	August 2017	-
19	CEVS	Dr. Purabi Saikia	International Travel Support Scheme	SERB-New Delhi, Gol	September 2017	INR 55000/-
20	CEVS	Dr. Purabi Saikia	Ecologist of the Year 2017	Scientific and Environment Research Institute, Kolkata	June 2017	-
21	CEVS	Dr. Purabi Saikia	Young Scientists of the Year 2016	International Foundation for Environment and Ecology, Kolkata	March 2017	-
22	CEVS	Dr. Purabi Saikia	Start Up Research Grant (Young Scientist)	SERB-New Delhi, Gol	January 2016	-
23	CEVS	Dr. Purabi Saikia	UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments	UGC-New Delhi, Gol	July 2014	-
24	CEVS	Dr. Purabi Saikia	International Travel Support Scheme	SERB-New Delhi, Gol	September 2013	INR 41000/-
25	CEE	Dr. Basudev Pradhan	Alexander von Humboldt Research fellowship,		2010-2012	

26	CEE	Dr. Basudev Pradhan	Bhaskara Advanced Solar Energy Fellowship-2018		2018	
27	CEE	Dr. Basudev Pradhan	Ramanujan Fellowship (2012-2017)		2012-2017	
28	CEE	Dr. Basudev Pradhan	Fast Track research grant for Young Scientists,	SERC	2013-2016	
29	CAP	Dr. Avijit Ghosh	Erasmus Mundus LEADERS scholarship on Post-Doctorate level	European Union	2017	
30	CAP	Prof Sarang Medhekar	Vice-President of Indian Association of Physics Teachers (IAPT), Rc20 for the term 1Jan.2016 to 31 Dec. 2018.	Indian Association of Physics Teachers (IAPT),	2016	

3.8 Intellectual Property Rights (Patents / Copyright / Trademarks, etc) (02)

S. No	Name of Faculty	Nature of IPR (Patent)	Date of approved	Remarks
1	Dr. G. P. Singh, Process for High Yield production of Graphene via detonation of Carbon containing materials	Patent(US Patent No.: US 9440857B2)	September 13, 2016	

2	Prof Sarang Medhekar	4) Extraction of one beam from a mixture of two coaxially co-propagating mutually incoherent beams of same frequency, Extraction of Data Bits loaded on one coherent beam mixed with the Data Bits loaded on another coherent beam of same frequency and Coherence Division Multiplexing (CDM): Application pending	Date of grant 2.6.2014.	(Patent No.2610 64)
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3.9 Publication Metrics (Quality Publications in refereed Journals: H-index, impact factor etc.)

(14120 citations and Max.H index: 23 and Max.I10 index : 47)

S. No	Name of Faculty / Scholar / Student / Staff	Centre	Total Citations	H-index	I10 index
1.	Dr. J. Tanti	Applied Mathematics	3	1	0
2.	Dr. P. K. Parida	Applied Mathematics	137	6	5
3.	Dr. J. Kumar	Applied Mathematics	29	3	1
4.	Prof. AC Pandey	LRM	485	13	19
5.	Dr. Amit Kumar	LRM	73	5	3
6.	Dr. Bikash Parida	LRM	331	7	7
7.	Dr. Sujit Kumar Choudhary	HSS	21	1	1
8.	Prof. A.N. Misra	CLS	1667	23	43
9.	Dr. Rajakishore Mishra	CLS	702	14	16
10.	Dr. P.K. Sharma	CLS	401	11	11

11.	Dr. Anil Kumar	CLS	29	2	2
12.	Dr. Hena Firdaus	CLS	2	01	-
13.	Dr. A.K. Panda	CLS	388	11	15
14.	Dr. Pallavi Sharma	CLS	3347	12	12
15.	Dr. V.K. Srivastav	CLS	41	04	02
16.	Dr. Nagapavan Chintalapati	CBA	11	3	0
17.	H.P. Singh	CWEM	1746	18	47
18.	Ajai Singh	CWEM	278	7	6
19.	P.K. Parhi	CWEM	52	5	2
20.	Birendra Bharti	CWEM	71	1	1
21.	Pratibha Warwade	CWEM	5	1	0
22.	Dr. G. P. Singh	CNT	231	7	6
23.	A.S.Bhattacharyya	CNT	183	8	5
24.	Dr. Lawrence Kumar	CNT	320	10	10
25.	Dr. Bhaskar Singh	CEVS	2108	18	19
26.	Dr. Purabi Saikia	CEVS	102	6	5
27.	Dr. Manoj Kumar	CEVS	173	7	0
28.	Dr. Kuldeep Baudh	CEVS	428	11	13
29.	Dr. Avijit Ghosh	CAP	155	6	6
30.	Prof. S. Medhekar	CAP	400	12	13
31.	Dr. A. K. Singh (Research Associate)	CLS	155	05	04

32.	Mr. E. A. Khan (Research Scholar)	CLS	20	1	0
33.	Ms K. Kachhap (Research Scholar)	CLS	7	1	0
34.	Mr. K.K. Pramanik (Research Scholar)	CLS	5	2	0
35.	Mr. Manzar Alam (Research Scholar)	CLS	5	2	0
36.	Ms Tanushree (Research Scholar)	CLS	5	2	0
37.	Mr Vikrampal Gandhi (Research Scholar)	CLS	4	1	0
Total			14120		

Annexure III

CENTRAL UNIVERSITY OF JHARKHAND											
SL NO	NAME OF THE PROJECTS	START DATE OF PROJECT	PERIOD FROM 1ST APRIL 2009 TO 31ST MARCH 2016			IST APRIL 2016 TO 31ST MARCH 2017			IST APRIL 2017 TO 30TH NOVEMBER 2017		
			TRANSACTIONS			TRANSACTIONS			TRANSACTIONS		
			Credit	Debit	Balance	Credit	Debit	Balance	Credit	Debit	Balance
1	BSR UGC PALLAVI SHARMA	23/03/2017	0.00	0.00	0.00	600000.00	0.00	600000.00	0.00	0.00	600000.00
2	OCT RESEARCH PROJECT(M. RAMAKRISHNAN)	7/25/2015	100000.00	41500.00	58500.00	0.00	0.00	58500.00	0.00	0.00	58500.00
3	DHARMENDRA SINGH IUAC PROJECT	4/10/2015	123000.00	123030.00	-30.00	193000.00	193000.00	30.00	207000.00	207000.00	-30.00
4	DST INSPIRE FACULTY SATCHI KUMARI	2/1/2017	0.00	0.00	0.00	859365.00	0.00	859365.00	0.00	683140.00	176225.00
5	YSS PROJECT BKASH RANJAN PARIDA	2/27/2017	0.00	0.00	0.00	263368.00	0.00	263368.00	0.00	91175.00	172193.00
6	DST AVUIT GHOSH	6/29/2016	0.00	0.00	0.00	8781000.00	150000.00	8631000.00	0.00	202258.00	8428742.00
7	FAST TRACK YS GAJNEDRA PRASAD SINGH	2/8/2016	1050000.00	91333.00	958667.00	0.00	241658.00	717009.00	0.00	551250.00	165759.00
8	FRP PROJECT BIKASH RANJAN PARIDA	3/8/2017	0.00	0.00	0.00	0.00	294624.00	-294624.00	1197716.00	50112.00	852980.00
9	FRP PROJECT SABHYASACHI BHUNIA	3/8/2017	0.00	0.00	0.00	0.00	755552.00	-755552.00	1618009.00	0.00	862457.00
10	FRP UGC PALLAVI SHARMA	4/7/2015	1009000.00	1075103.00	-66103.00	900000.00	843461.00	-9564.00	0.00	0.00	-9564.00
11	FRP UGC PROJECT(PARTHA GHOSH)	4/1/2015	1207000.00	1277967.00	-70967.00	900000.00	850511.00	-21478.00	0.00	0.00	-21478.00
12	FRP UGC SANDEEP CHOUDHARY	6/23/2015	1215000.00	1281871.00	-66871.00	400000.00	844301.00	-511172.00	0.00	0.00	-511172.00
13	ICSSR PROJECT SEEMA MAMTA MINZ	5/25/2015	495000.00	495000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	ICSSR MRAMAKRISHNAN	12/28/2015	495000.00	495000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Mis. Mp Grant Receipt	10/25/2016	0.00	0.00	0.00	6319625.00	0.00	6319625.00	0.00	6050000.00	269625.00
16	MRP GRANT AJAI SINGH	1/11/2017	0.00	0.00	0.00	809933.00	92265.00	717668.00	0.00	607778.00	109890.00
17	MRP BASUDEB PRADHAN SERB	10/26/2017	0.00	0.00	0.00	0.00	0.00	0.00	100000.00	0.00	100000.00
18	MRP BRS PROJECTS SANDEEP CHOUDHARY	4/7/2015	600000.00	98800.00	501200.00	0.00	96726.00	404474.00	0.00	99900.00	304574.00
19	MRP BSR PROJECT BASUDEB PRADHAN	8/6/2014	600000.00	600000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	MRP BSR PROJECT BHASKAR SINGH	3/21/2015	600000.00	382131.00	217869.00	0.00	214475.00	3394.00	0.00	0.00	3394.00
21	MRP BSR PROJECT KULDEEP BAUDH	3/21/2015	633398.00	283754.00	349644.00	0.00	95646.00	253998.00	0.00	97000.00	156998.00
22	MRP BSR PROJECT PARTHA GHOSH	3/25/2015	1115000.00	618654.00	496346.00	0.00	241672.00	254474.00	0.00	245050.00	9424.00
23	MRP BSR PROJECT PURABI SAKIA	8/6/2014	614250.00	347077.00	267173.00	91215.00	358368.00	20.00	0.00	0.00	20.00
24	MRP BSR PROJECT SACHIN KUMAR	3/21/2015	600000.00	87299.00	512701.00	0.00	75000.00	437701.00	0.00	171452.00	266249.00
25	MRP BSR PROJECTS DHARMENDRA SINGH	8/6/2014	600000.00	433644.00	166356.00	0.00	165260.00	1096.00	0.00	0.00	1096.00
26	MRP BSR PROJECT VINEET AGOTIA	8/6/2014	600000.00	526513.00	73487.00	0.00	0.00	73487.00	0.00	0.00	73487.00
27	M.R.P. GRANT-A.N.M.	9/14/2011	933476.00	933476.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	M.R.P. GRANT ARNAB SHANKAR BHATTACHARYA	1/12/2013	710000.00	709250.00	750.00	0.00	0.00	750.00	0.00	0.00	750.00
29	MRP GRANT BASUDEB PRADHAN RAMANUJAN	8/8/2013	4575000.00	4449535.00	125465.00	1202807.00	1685462.00	-357190.00	2600000.00	250547.00	1992263.00
30	MRP GRANT BIPLOP KR KOILA DST FAST TRACK	2/7/2013	1746400.00	1706704.00	39696.00	0.00	100000.00	-80304.00	0.00	0.00	-80304.00
31	MRP GRANT B.K. KOILA RAMANUJAM FELLOWSHIP	2/1/2012	7277780.00	7217127.00	60653.00	1700000.00	1744086.00	16567.00	0.00	0.00	16567.00
32	MRP GRANT B.K. KOILA BLOCK COPOLYMER	9/23/2013	935710.00	921857.00	13853.00	0.00	0.00	13853.00	0.00	0.00	13853.00
33	MRP GRANT B.P. SINHA	11/27/2012	424750.00	310732.00	114018.00	0.00	0.00	114018.00	0.00	0.00	114018.00
34	MRP GRANT DBT BUILDUP PROF. A.N. MISHRA	11/29/2014	11835221.00	1356756.00	10478465.00	176722.00	7647784.00	3007403.00	0.00	1415010.00	1592393.00
35	MRP GRANT DHARMENDRA SINGH	8/19/2013	588199.00	565476.00	22723.00	128991.00	0.00	151714.00	0.00	0.00	151714.00
36	M.R.P. GRANT GAJENDRA PRASAD BOYCAST FELLOWSHIP	1/3/2012	2039893.00	2039893.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	MRP GRANT INSPIRE FACULTY ADITYA KUMAR PANDA	7/9/2014	2657260.00	2414663.00	242597.00	1508355.00	1558590.00	192362.00	0.00	254142.00	-61780.00
38	M.R.P.GRANT KONCHOK TASHI	3/1/2013	322674.00	238836.00	83838.00	0.00	0.00	83838.00	0.00	0.00	83838.00
39	MRP GRANT MANOJ KUMAR	10/1/2013	318400.00	201535.00	116865.00	0.00	0.00	116865.00	0.00	0.00	116865.00
40	MRP GRANT RAJ BAHADUR SINGH	7/3/2014	1200000.00	634470.00	565530.00	600000.00	928978.00	236552.00	0.00	71915.00	164637.00
41	MRP GRANT R.K. DEY	3/28/2013	896800.00	910663.00	-13863.00	379200.00	364405.00	932.00	0.00	0.00	932.00
42	MRP GRANT SANDEEP KUMAR YADAV	12/15/2012	570800.00	570800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	MRP GRANT SARANG MEDHAKAR	7/18/2013	2350000.00	2090450.00	259550.00	0.00	259550.00	0.00	0.00	0.00	0.00
44	ICSSR SANHITA SUCHARITA	10/25/2016	0.00	0.00	0.00	400000.00	0.00	400000.00	0.00	110100.00	289900.00
45	MRP M RAMAKRISHNAN	10/12/2017	0.00	0.00	0.00	0.00	0.00	0.00	1028404.00	0.00	1028404.00
46	MRP PROJECT AMIT KUMAR	7/15/2014	544263.00	423849.00	120414.00	0.00	0.00	120414.00	0.00	0.00	120414.00
47	MRP PROJECT BASUDEB PRADHAN YOUNG SCIENTIST	11/27/2014	1770000.00	1690674.00	79326.00	400000.00	212800.00	266526.00	0.00	116527.00	149999.00
48	MRP PROJECT GREEN & EFFICIENT ENERGY TECHNOLOGY	9/13/2014	15334069.00	12648380.00	2685689.00	113000.00	1276679.00	1522010.00	0.00	685738.00	836272.00
49	MRP PROJECT JEETI BAROAH	12/23/2013	573500.00	571682.00	1818.00	0.00	0.00	1818.00	0.00	0.00	1818.00
50	MRP PROJECT KAVITA PARMAR	9/11/2014	1800000.00	1818301.00	-18301.00	1000000.00	821670.00	160029.00	0.00	0.00	160029.00
51	MRP PROJECT RAJASHREE PADHI	1/25/2014	320000.00	320000.00	0.00	420000.00	60000.00	360000.00	0.00	0.00	360000.00
SL NO	NAME OF THE PROJECTS	START DATE OF PROJECT	PERIOD FROM 1ST APRIL 2009 TO 31ST MARCH 2016			IST APRIL 2016 TO 31ST MARCH 2017			IST APRIL 2017 TO 30TH NOVEMBER 2017		
			TRANSACTIONS			TRANSACTIONS			TRANSACTIONS		
			Credit	Debit	Balance	Credit	Debit	Balance	Credit	Debit	Balance
52	MRP PROJECT RAJ KISHORE MISHRA	7/17/2013	3902000.00	3328294.00	573706.00	0.00	578587.00	-4881.00	0.00	0.00	-4881.00
53	M.R.P. PROJECT SOUMEN DEY	11/25/2013	1880000.00	1386044.00	493956.00	0.00	200000.00	293956.00	0.00	239241.00	54715.00
54	MRP SERB Y.S.S. DEBUT DAS	3/18/2016	189800.00	126333.00	171667.00	0.00	820631.00	951036.00	0.00	135161.00	815875.00
55	MRP WATER PROJECT AJAI SINGH	3/31/2016	1418274.00	0.00	1418274.00	0.00	1418274.00	0.00	0.00	0.00	0.00
56	N.S.S.	11/26/2014	543333.00	0.00	543333.00	0.00	543333.00	0.00	0.00	0.00	0.00
57	RESEARCH AWARD SLUIT KR CHOUDHARY	4/4/2017	0.00	0.00	0.00	0.00	0.00	0.00	973060.00	100000.00	873060.00
58	RESEARCH AND INNOVATION 22-02/2016-TS.IITC	2/1/2017	0.00	0.00	0.00	0.00	0.00	0.00	5000000.00	0.00	5000000.00
59	SERB PALLAVI SHARMA	3/15/2017	0.00	0.00	0.00	1325000.00	0.00	1325000.00	0.00	0.00	1325000.00
60	SERB SABYASACHI BHUNIA	10/5/2017	0.00	0.00	0.00	0.00	0.00	0.00	2200000.00	0.00	2200000.00
61	SERB YSS DR PARTHA GHOSH	11/21/2015	1772666.00	0.00	1772666.00	0.00	1430026.00	342640.00	0.00	87549.00	255091.00
62	SERB PURABI SAKIA	1/28/2016	1800000.00	0.00	1800000.00	0.00	1557033.00	242967.00	0.00	95920.00	147047.00
Grand Total			84595116.00	57844456.00	26750660.00	29471581.00	28720607.00	27501634.00	14924189.00	12617965.00	29807858.00

CENTRAL UNIVERSITY OF JHARKHAND											
SL NO	NAME OF THE PROJECTS	START DATE	PERIOD FROM 1ST APRIL 2009 TO 31ST MARCH 2016			IST APRIL 2016 TO 31ST MARCH 2017			IST APRIL 2017 TO 30TH NOVEMBER 2017		
			TRANSACTIONS			TRANSACTIONS			TRANSACTIONS		
			Credit	Debit	Balance	Credit	Debit	Balance	Credit	Debit	Balance
1	CSR UGC JRF (Preeti Swarupa)	5/8/2015	497616.00	123616.00	374000.00	133333.00	449000.00	58333.00	207667.00	58883.00	207117.00
2	CV RAMAN INTERNATIONAL FELLOWSHIP	4/26/2012	411670.00	411670.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	DBT RESEARCH ASSOCIATESHIP PROGRAMME ABHAY KUMAR SI	4/20/2015	1165600.00	586400.00	597200.00	626000.00	693200.00	530000.00	0.00	384000.00	146000.00
4	INSPIRE FELLOWSHIP POULOM CHAKRABORTY	8/22/2016	0.00	0.00	0.00	380000.00	360000.00	20000.00	0.00	0.00	20000.00
5	JAGMOHAN TANTI Institute of Mathematics	8/26/2013	500000.00	378503.00	121497.00	0.00	121497.00	0.00	0.00	0.00	0.00
6	JRF I SCIENCE, HUMANITIES, & SOCIAL SCIENCES(Pdola)	11/29/2015	280773.00	270773.00	10000.00	0.00	10000.00	0.00	0.00	0.00	0.00
7	MRP GRANT (A.N. MISHRA A)	2/13/2014	689200.00	685907.00	3293.00	376707.00	360000.00	20000.00	0.00	20000.00	0.00
8	MRP PROJECT (A.N. MISHRA AA)	2/13/2014	648434.00	648433.00	1.00	380000.00	360000.00	20001.00	0.00	20000.00	1.00
9	NFL New Delhi	3/9/2016	190000.00	0.00	190000.00	0.00	190000.00	0.00	0.00	0.00	0.00</

DETAILS OF FIXED ASSETS UNDER SPONSERED PROJECTS FY -2016-17									
NAME OF THE PROJECT	ASSETS	RATE OF NOTIONAL DEPRECIATION	ORIGINAL COST AS ON 1/4/16 Rs	ADDITIONS DURING THE YEAR Rs.	TOTAL Rs.	NOTIONAL DEPRECIATION OPENING BALANCE	NOTIONAL DEPRECIATION FOR THE YEAR Rs	TOTAL NOTIONAL DEPRECIATION	TOTAL BOOK VALUE ON 31/03/17Rs.
ALL PROJECTS	LABORATORY EQUIPMENTS	8.00%	17,807,128.39	8,030,120.00	25,837,248.39	2,276,823.85	2,066,979.87	4,343,803.72	21,493,444.67
	COMPUTER & SOFTWARES	20.00%	1,317,546.16	261,800.00	1,579,346.16	495,145.04	315,869.23	811,014.27	768,331.89
	OFFICE EQUIPMENTS	7.50%	423,968.74	205,080.00	629,048.74	57,438.96	47,178.66	104,617.61	524,431.12
	FURNITURE, FIXTURES AND FITTINGS	7.50%	55,635.29	-	55,635.29	5,054.21	4,172.65	9,226.86	46,408.43
			19,604,278.58	8,497,000.00	28,101,278.58	2,834,462.06	2,434,200.41	5,268,662.47	22,832,616.11

Details year – wise available in Finance Cell

4. Infrastructure and Learning Resources

Sl. No.	Particulars	Details
4.1	Classrooms, Tutorials and Laboratories (if applicable)	Faculty Rooms +R.S Room: 40 Classrooms: 69 Laboratory: 24
4.2	Computer Centre/Labs	Computer Lab : 04 CAM: One (Central) General Computer Lab with 30 capacity CMC: Computer Lab with sitting capacity of thirty students, Total number of desktops-38.Centre is equipped with basic media production facilities. CLRM: One with 20 computers CWEM: One with 10 computers Language Lab : 02 (English & Chinese)
4.3	Library	Central Library (Details in annexure IV)
4.4	Seminar halls / Auditorium	Centralized Auditorium with 400 seating capacity with : <ul style="list-style-type: none"> • Centralized A.C • Audio- Visual Aid • Stage Lighting • Power Back-up (D.G)
4.5	ICT supported Infrastructure	Wi-Fi Campus 10 Smart Classrooms 19 projectors (2 under repair) Photocopier: 08 (One with each school) Sound System with CTCL & CMPA
4.6	Research Infrastructure; Research intensive labs	Total 24 Laboratory Space CMC: Media Lab (Handycams, DSLR Camera, Audio-visual system, public address System) CAP: 03 <ul style="list-style-type: none"> • Optics/ Mechanics • Electronics • Electrical CAC: 05 <ul style="list-style-type: none"> • Infrared Spectro-photometer • UV Visual Spectro-photometer

		<ul style="list-style-type: none"> • Electro-chemical Workstation • Gel permeable Chromatogram <p>CLS: 05 Lab & 1 Central Instrument Room</p> <ul style="list-style-type: none"> • UV Visual Spectro-photometer • Florescence Spectro-photometer • ELISA reader • Florescent Microscope • Inverted Microscope • PCR & real time PCR • Gel Documentation system • 2-D System • Molecular biology grade water purification system • Bio-safety cabinets • Microbial Incubator • Deep & Ultra Freezers <p>CEL : Language Lab</p> <p>CFEL: 01 Chinese Language Lab</p> <p>CNT & CEE: Centre for Excellence in Green Energy and Efficient Technology has been established jointly with the Centre for Energy Engineering which includes some research staff and instruments like XRD, UV, PL and AFM.</p> <p>CTFLL: Handycam & Still Camera</p> <p>CWEM : 06</p> <ul style="list-style-type: none"> • Irrigation & Fluid Mechanics • Surveying Lab • Engineering Mechanics Lab • Engineering Material & Transportation Lab • Geology Lab • Geo-Tech Lab <p>CLRM:</p> <p>01 Ao size Plotter, 01 Ao size Scanner, 01 A3 Printer, 01 DGPS and 5 GPS</p> <p>CEVS:</p> <p>01 Kjeldhal Appartus, 01FlamePhotometer 01 Spectrophotometer, 02 Muffel furnace, Plant Canopy Analyzer, Sun Photometer, Upper Air profiling system including Satellite GPS receiver, , Centrifuge, etc.</p>
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Annexure IV: University Library Details

Till: 10.01.2018

Total Number of Electronic Journals (INFLIBNET) : 7509

Total Number of Electronic Journals (Open Source Journals) : 6744

Total Number of Print Journals : 17

Right to Information Reporter	Current Science
Harvard Business Review	Pramana
Journal of Astrophysics & Astronomy	Proceedings (Mathematical Sciences)
Journal of Earth System Science	Bulletin of Materials Science
Journal of Chemical Sciences	Sadhana (Engineering Science)
Journal of Genetics	Journal of Biosciences
Resonance (Journal of Science Education)	Leaders Speak
Journal of Communication Media Watch	Communication Today
Mass Communicator	

Total Number of Books : 21029

Total Number of News Paper : 11

Dainik Bhaskar (Hindi)	Dainik Jagran (Hindi)
Hindustan (Hindi)	Hindustan Times (English)
The Telegraph (English)	The Hindu (English)
Business Line (English)	Employment News (English)
The Times of India (English)	The Economic Times (English)
The India Express (English)	

Total Number of Magazines : 18

Biology Today	Business Today
Chemistry Today	Competition Success Review
Digit	Electronics for You
Frontline	India Today
Kurukshetra	Outlook
Physics for you	Pratiyogita Darpan
Readers Digest	Science Reporter
Tell Me Why	The Week
Wisdom	Yojana

Number of Registered User

Sr. N.	Year	Students	Researcher	Faculties & Staffs
1	2013	1440	46	218
2	2014	1693	57	218
3	2015	1965	91	218
4	2016	2273	109	218
5	2017	2069	113	218

Purchase of Books and Print Journals in University Library yearly basis:

Sr. N.	Year	No. of Books	Amount in Rs.	Amount on Journals	Total Amount
1	2012-2013	3043	48,51,132	63,450	49,14,582
2	2013-2014	1898	40,55,930	50,050	41,05,980
3	2014-2015	207	6,85,660	-----	6,85,660
4	2015-2016	1274	6,81,595	39,348	7,20,943
5	2016-2017	233	4,11,166	8,250	4,19,416
Total		6655	1,06,85,483	161098	1,08,46,581

Visitors report

Sr.N.	Year	Students	Faculties & Staffs	Totals Visitors	Books Issued	Books Return
1	2012-2013	41044	1207	42251	30583	30377
2	2013-2014	51257	1286	52543	34970	35869
3	2014-2015	47676	716	48392	32128	34883
4	2015-2016	50144	615	50759	27198	27861
5	2016-2017	50452	370	50822	23527	22850
Total		240573	4194	244767	148406	151840

5. Student support and progression

5.1 Number of students (within state, outside the state, outside the country)

The detail about the students is in tabular form as follows.

Sl. No.	Academic Session	Within state	Outside the state	Outside the Country	Total
1.	2009-10	66	41	0	107
2.	2010-11	90	68	0	158
3.	2011-12	139	119	0	258
4.	2012-13	250	160	0	398
5.	2013-2014	400	270	2	625
6.	2014-2015	294	255	0	511
7.	2015-2016	333	341	0	674
8.	2016-2017	316	311	0	602

5.2 Quality of students

The university strives to disseminate and to provide knowledge through instructional and research facilities in various disciplines and therefore CUJ made pioneering efforts in launching 'Five Years Integrated' academic programmes along with 'Two Years Master's' and 'Doctoral' programmes. In order to ensure quality, the University started taking admission through National level Entrance Test (CUCET/ CUJET) conducted in various states followed by counselling. It also involves weightage of both percentile of entrance test and percentage of qualifying degree of a candidate for admission for all the departments/ centers following GOI reservation policy.

The registered number of students was increased in the sessions during various academic sessions (table below), in which the number of students from outside the state in various courses was also increased.

The University has made rigorous teaching learning process in order to enhance the potential of students, which includes three sessional examinations (theory & practical) followed by final examination at the end of every semester. The students undertake various assignments such as power point presentation, group discussions, field work, academic field

trip, industrial tour, dissertation work *etc.* The laboratory under different centres is under developing process. Presently, it is equipped with various hardware and software(s) in order to provide basics to advance practical exercises to the students.

5.3 Student support mechanism- Implementation & effectiveness

The University has extensive students support mechanism, which includes:

- Mentoring
- Counselling, Guiding and Placement Cell
- Anti-Ragging Committee
- Sports Wing
- OBC Cell
- Women Cell
- SC/ ST Cell
- Freeship Scheme
- Medical support
- Proctorial Board
- Health awareness camp (Blood donation, free health checkup)
- Hostel Accommodation (Girls, Boys, research scholars)
- Mess facility
- Canteen facility
- In Campus Wi-Fi facility
- Student's representations in Hostels, mess, classroom.
- National Service Scheme (NSS)
- National Cadet Corps (NCC)
- Sports Facilities
- Drama, Music
- Tribal India International Fest (Salva Tagore-2011, Akhra- 2012 & 2013)
- Career counselling (Internship, Jobs in NGO and Public Sector, Research Institute and Academics)
- Participation of students in Seminars and Conferences
- Students are encouraged to present their work in external seminars, conferences, and participate in summer/ winter schools and training programmes.
- Choice Based Credit System
- Tutorials for redress academic issues.
- Foreign collaboration and Students exchange programmes
- Regular addressed by Dean of Students Welfare, wardens, proctors.
- CUJ based Email to students
- Grievance Redressal Cell (CUJ)
- Display of information and contact number of key persons

5.4 Gender sensitization programs

- Women Cell
- SC/ ST Cell
- Wardens (women)
- Program/ workshop details of women empowerment etc.

Students attended Gender Sensitization programs conducted by Women's Cell of University.

Gender rights and gender sensitization are part of curriculum as human rights, international law, domestic laws and legal customary practices.

5.5 Students participation in Co-curricular & Extra-curricular Activities

A. SPORTS ACTIVITY:

The Sports Wing has been running various sports activities since inception of Central University of Jharkhand.

- **Outdoor Games:** Football, Cricket, Wushu, Badminton, Volleyball, Athletics, Field & Track Events, Kabaddi.
- **Indoor Games:** Yoga, Table Tennis, Carrom, Chess
- **Adventure Sports:** Trekking.

Sports facility includes One Multi-purpose Ground, One Football Ground (50 M x 20 M), Two Concrete Pitch (7.5 Ft x 30 Ft.) for Cricket Training, Five Badminton Courts, Two Volleyball Courts, One Sports Complex, Three Multi Gyms (Boys, Girls and Teaching-Non Teaching Staff), One Basketball Court. The students of Central University of Jharkhand participate in International, East Zone Inter University, National and State Level Tournaments and have performed remarkably.

International level:

- Jyoti Kumari – **Wushu Asian Junior Championship**, Philippines- bronze medal, and participated 3 times with good score in three world championships at Singapore, Macau, Shanghai.
- Prity Kumari – Yoga, participated in **International Yoga Championship**, shanghai (**Nov 2012**). Winner of medals and yog sundri title in national and state level yoga championships. Presently she is in Hongkong working as Yoga Coach.
- L. Pradeep Kumar Singh WUSHU coach he represented world championships as coach of INDIAN WUSHU team many times.
- Pramod Kumar Rana (IAP) bags GOLD medal 08th **Jharkhand State Wushu Championship** held on 15 SEP 2012

National level

- Om Prakash participated in National Wushu Championship, Jaipur.

- Om Prakash bags Gold Medal in 9th Jharkhand State Senior Wushu Championship (2013-14).

Zonal level

- Pramod Kumar Rana Wushu silver medal, East Zone Wushu championship.

State Level

- Jyoti Kumari bags gold medal in 11th Jharkhand state senior WUSHU championship (2015-16) on 08 Nov. 2015
- Danish Rahman (ICS) bags Gold Medal In 10th Jharkhand State Wushu Championship (14 SEP 2014) Jyoti Kumari
- EVS bags Gold Medal in 35TH National Games Kerala in Wushu in Feb. 2015

Sports Achievements

- ULGULAN 2017 at National Law University, Ranchi, Nov. 2017: CUJ bags 11 medals in athletics and becomes overall champion
- VAJRA 2017 at BIT, Mesra on 11th Nov. 2017: Runner up in basketball.
- CUJ bags Gold Medal in federation Cup at Shillong in Feb. 2016.
- CUJ bags Gold Medal in KARATE in 5th Jharkhand State Karate Championship at Ranchi in August 2015
- CUJ bags Gold Medal in WUSHU Championship in 35th National Games in Kerala in 2015.

Every year Sports Wing organizes Inter House Tournaments, followed by Annual Sports functions.

B. EXTRA-curricular Activities

- Unayyan: a Social Awareness program initiated by CUJ for imparting the education to the children belonging to marginalized/ less privileged community since 2010.
- CUJ bags Gold Medal in Skit Competition in 31st inter university youth festival in Jan 2016.
- Yoga Shivar
- Medical Camp (Jan 2017)
- CUJ management won prize in Sept. 2016
- CUJ organized various Essay writing, cultural programmes, Poster competition, quiz competition, rangoli completion and Mehdi competition at Centre/ University level etc.
- Scout & guide
- Students participation in Ozone Day, water day, Earth Day celebration, Environment Day celebration, NCC, NSS

- First Aid and disaster management
- Field Exposures, excursion tour within India. Singing & speech competitions
- Khadi exhibition programme on Gandhian Day
- Annual sports meet
- Visual Arts, performing arts, Yoga, cultural activity, social work, sports, awareness Programmes for health and sanitation among the underprivileged section

5.6 Students Grievance redressal mechanisms

CUJ has formed various committees to redressal of student's grievance:

- Anti-Ragging Committee
- Proctorial Board,
- SC/ST Cell,
- Women's Cell,
- OBC Cell
- Grievance Redressal Squad &
- Internal Complaint Committee
- Mentor (among faculties) is assigned to students to discuss their grievances

5.7 Feedback system

Till date, CUJ does not have any official and centralized feedback system from students. But, Student feedback is encouraged in teaching, framing syllabus to improve the teaching & learning processes. So, several departments follow some indirect mechanism of their own to get feedback from students.

5.8 Mentoring system

- In day-to-day teaching, a teacher plays a vital role as mentor and guides the students in their academic and related activities to groom them as a good citizen. Students are mentored by concerned faculty as per the classroom teaching requirements. Career counselling carried out for Internship and Placements by the faculty members as per the requirements.

Key Domain areas for mentoring:

- Enhancing Classroom Learning
- Examination Performance

- Job placement
- Higher Studies & Research
- Personal counselling

5.9 Enrolment ratio (Intake vs. Admitted)

Sl.No	Centre	Enrolment ratio 2016 (UG/PG)		Enrolment ratio 2017 (PG level only)	
		Intake	Admitted	Intake	Admitted
1	Centre For Applied Chemistry	40	21	14	9
2	Centre For Applied Physics	40	36	14	13
3	Centre For Applied Mathematics	40	32	14	11
4	Centre for Life Sciences	40	23	14	13
5	Business Administration	40	39	14	14
6	Mass Communication	40	30	14	7
7	Energy Engineering	40	37	14	12
8	Nanotechnology	40	35	14	8
9	English Studies	40	29	14	8
11	Environmental Sciences	40	23	14	9
12	Land Resource Management	60	37	14	5
13	Water Engineering Management	40	34	14	10
14	Human Rights & Conflict Management	20	07	14	-
15	Humanities And Social Sciences	-	-	-	-
16	Indigenous Cultural Studies	40	11	14	-
17	Tribal & Customary Law	20	09	14	3

18	Tribal Folklore Language & Literature	20		14	8
19	Music and Performing Arts	40	16	14	4
20	International Relations	40	33	14	7
21	Education	100	86	50	50
22	Far East Languages	120	56	-	-

5.10 Students clearing exams in minimum time without back log

Year	% of Students
2009	85.5
2010	Odd Sem :84% Even Sem: 92%
2011	Odd Sem : 83.6% Even Sem: 81.8%
2012	Odd Sem : 76.1% Even Sem: 82.4%

5.11 Students performance in the University exams in minimum time with back log

Year	% of Students
2009	14.5
2010	Odd Sem :16% Even Sem: 08%
2011	Odd Sem : 16.4% Even Sem: 19.2%
2012	Odd Sem : 23.9% Even Sem: 17.6%

5.12 Students participation in University Examinations

End Semester Exam	Total Students	Students participation
Odd Semester 2017	-	-
Even Semester 2017	-	-
Odd Semester 2016	-	-
Even Semester 2016	-	-

5.13 Student Placement (Placement, Higher studies, Entrepreneurship; data for five years)

Sl	Name of the Centre	Designations	Year/no of placement				Total	Salary in range (annual)
			2014	2015	2016	2017		
1	Centre for Energy Engineering	Managers, engineer, associate, consultant etc.					27	NA
2	Centre for Business Management	Sales trainee, executives, banker, management trainee, customer relationship executive,	12	9	25	13	59	1.8 to 7.8 Lakhs
3	Centre for Indigenous Studies	Research scholar, founding director, assistant professor, APO Bihar, call transfer agent	-	-	-	-	10	1 lakh- 8 lakhs
4	Centre for Music and Performing Art	Free lancer, assistant professor, account assistant	-	-	-	-	8	2.4 to 3.4 Lakhs
5	Centre for Life Sciences	Research scholar, specialist in clinical trails, Yoga Instructor	2	10	3	1	16	NA
6	Centre for Mass Communication	Senior production assistant, chief sub-editor, copy editor, PRO, Guest lecturer, senior reporter, photographer, executive corporate communication, research scholar	19	10	7	13	59	1.5 to 6 Lakhs
7	Centre for Water Engineering	Project Engineer, Project Manager, SITE Engineer, Research Scholar, Asst. Prof	0	6	12	6	24	1.9 to 9.4 lakhs
8	Centre for Applied Mathematics	Project Associate	0	0	2	1	3	NA
9	Centre for Tribal and Customary Law	Programme officer, probationary officer, legal advisor, research scholar, asst. prof., Public prosecutor,	0	5	4	3	12	NA
10	Centre for Land Resource Management	Digital Cartographer	0	0	0	08	08	2.4 Lakhs

5.14 Student participation in professional activities

- Students are involved in various professional activities as Internship, Field Postings, Trainings, Dissertation; Projects
- Students undertake Internship and Research Projects and Volunteer for University and Centre level conference / seminars and workshops as Support staff for organizers (CBA)
- 36 students participated in training for NAS (National Academic Survey) and conducted (C.Edu) the survey at Jharkhand as per order from DEO, Ranchi and collaborated with 'Sarva Shiksha Abhiyan'

5.15 Local Guardian programs for students: specially out-station students

The Out-station Students has a local guardian mentioned mandatorily at the time of admission. The local guardian is asked to report to the university as and when required. Outstation students are given the preferences while allocating the hostel accommodation.

5.16 Grievance Redressal Mechanism

As in 5.6

Students Grievance Redressal Mechanism such as Proctor Board, Anti-Ragging Cell, and Grievance Redressal Cell are functioning in the University.

5.17 Counseling facility

- Pre admission counselling
- Counselling at the time of admission
- Counselling before the field work
- Counselling at fieldwork
- Regular/ Personal life counselling
- Career counselling (Internship, Jobs in NGO and Public Sector, Research Institute and Academics)

5.18 Remedial Coaching

- For NET and GATE at few centres
- Outreach programe: Unnayan: A Educational Social Responsibility
- Remedial class for the 10+2 students, which was free for under privileged students (City Centre -2013-14)

5.19 Induction Program

Induction Program is held at the beginning of the academic session. The Vice Chancellor and other senior Faculty members including the Deans meet the newly admitted students in the University Auditorium. The Coordinator of the Program briefs about the university and

welcomes the members of the university. Issues about ragging are also clarified.

Students are inducted in to the program by the Center Head and Faculty members through a brief on technical program structure, university facilities, policies and procedures regarding examination, attendance, etc. It generally covers a broad Introduction to the course contents, patterns of study and examination, any significant Issue/concern arises during the discussion.

6. Governance, Leadership & Management

6.1 Vision of the University

Our vision is to create a 'World Class University' in every aspect, be it research, teaching, administration or co-curricular activities, to produce world class students ready to excel in every chosen field with honor and uprightness.

Objectives

- Disseminate and advance knowledge by providing instructional and research facilities in various disciplines Promote innovations in teaching-learning process and inter-disciplinary studies and research
- Educate and train manpower for the development of the country
- Establish linkages with industries for the promotion of science and technology and Pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development.

The Motto: Knowledge to Wisdom

Students join higher education to gain knowledge. At CUJ, we strive hard to turn that knowledge to wisdom in order that society finally gains a useful citizen to guide and mould its destiny. This we plan to do through many compulsory community-based projects, interactions with a wide cross-section of people from within our country and outside it and innovations in the teaching-learning processes.

The Logo

The logo occupies a very special place within the whole brand image building process of CUJ. Respect for traditions is reflected by the curved design around the circles enclosing the name of the university. The Banyan tree symbolizes learning, enlightenment and its dissemination to the ever growing youth of our nation. The two rocks represent strength of character and unswerving truthfulness. When conjoined, they stand for steadfast excellence through uprightness. "Jharkhand" means dense forest regions. The banyan tree symbolizes the inclusiveness in our humanistic approaches to social contexts of our location.

The Logo Colours

The three colours of the logo have been chosen with reference to what the ancient Upanishads have to say on colours:

Green: - stands for vitality and growth

Maroon: - symbolises existence and dynamism

Gold: - represents sacrifice and renunciation

Leadership

The leadership is involved in building inspiring vision, which can be achieved through institutional management system and its efficient implementation. Effective monitoring is equally important for the continuous improvement through regular interaction with its stakeholders at various levels.

The Vice-Chancellor is the Principal Executive and Academic Officer of the University. He exercises general supervision and control over the affairs of the university and gives effect to the decisions of all the authorities of the University. He is assisted by Deans of the School, Registrar, Finance Officer, Controller of Examinations, Librarian and other officers of the University.

The Court primarily reviews the board policies and programmes of the University and suggest measures for the improvement and development of the University. It also consider and pass resolution on the Annual Report and Annual Account of the University.

The Executive Council is the Principal Executive Body of the University responsible for the management and administrative powers related to revenues and property of the University. Besides, it is responsible for maintaining the guidelines related to conduct of all administrative affairs and is responsible for the improvement of the University. With the Vice Chancellor as the *ex officio* Chairman, the Executive Council consists of the members from various sections of government, senior academicians across the nation.

The **Academic Council** is the Principal Academic Body of the University under the Chairmanship of the Vice-Chancellor. It exercises general supervision of the academic policies of the University and promotes inter-school coordination and accountable for general functioning of the University, discipline *etc.*

The Finance Committee is primarily supervises over the funds of the University and frames financial policies for regulating funds in the University. The **Vice-Chancellor** is the *Ex-*

Officio Chairman of the Finance Committee and Finance Officer is the *Ex-Officio Secretary* of the Finance Committee.

The Board of Research Studies mainly prepares a broad framework of research and major thrust areas of research under the Chairmanship of Vice Chancellor. It also reviews the current status of the research in each Centre and critically examines the progress of research activities.

The Board of School is an academic body of the School under the Chairmanship of Dean. Dean convenes meeting of the Boards to monitor, recommend and ratify various academic and research related matters as proposed/ recommended by Board of Studies (Centre) and proceed to the academic council.

The Board of Studies (Centre) is an academic body of the Centre under the Chairmanship of Head, which looks after various academic and research related matters as proposed by Doctoral Committee (Centre), Research Advisory Committee (PhD Scholar), faculty and academic committee of the Centre (*viz.*, syllabus, academic curriculum, *etc.*)

The Centre Research Committee (CRC) is responsible for all Centre level research activities including allotment of supervisors to admitted PhD Scholars under the Chairmanship of Centre Head.

The Research Advisory Committee (PhD Scholar) is responsible to monitor the research activities of each PhD Scholar within the Centre and duly examine the progress of the candidates twice in a year.

For various academic and administrative activities, the University constitutes a number of committees and sub committees to look after the important day-to-day activities of the University including admissions, examination, Employee, Students, procurement (overall/project), co-curricular activities, *etc.*

The Executive Council and Academic Council are the two principal bodies comprising all the stakeholders participating as members and are responsible for the final decision making related to the smooth functioning of the University (through periodic meetings).

The leadership is involved in creating a culture of academic excellence. The various positions in the University like Registrar, CoE, Finance Officer, Librarian are lying vacant for more than two year due to non-availability of eligible candidate. And recently the position of Librarian was filled up.

6.2 Decentralization and Transparency

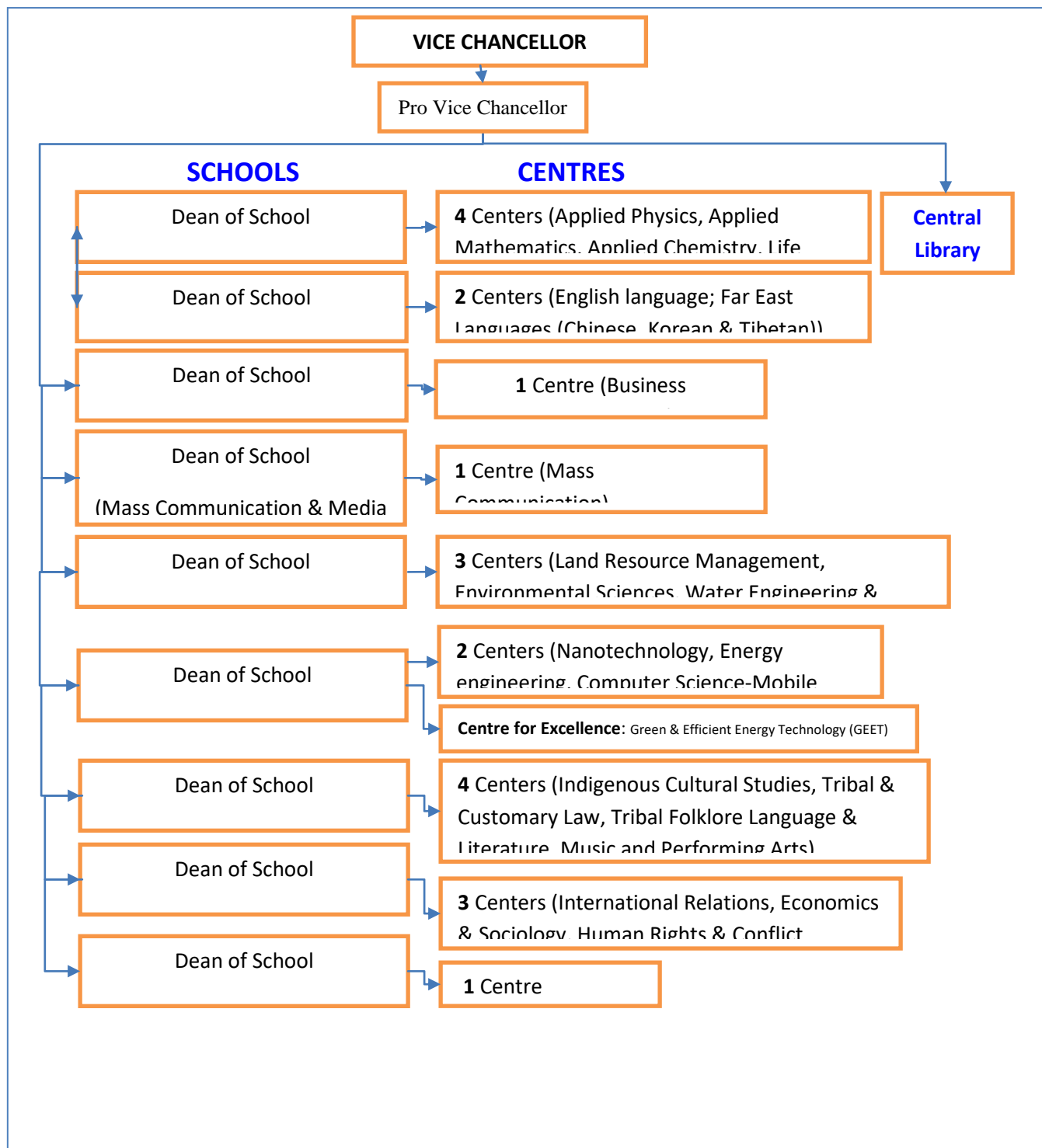
Authority of the University is **delegated and decentralized** through:

Academic Section	Administrative Section	Finance Section
Academic Council	Executive Council	Finance Committee
Board of Research Studies	The Court	Centre Purchase Committee
Board of School	Building Committee	Project Purchase Committee
Board of Studies	Library	Internal Audit System
Centre Research Committee	OBC Cell	External Audit System
Research Advisory Committee	Women Cell	Local Purchase committee
Admission Committee and CUCET	SC/ ST Cell	
Examination Committee	Medical support	
Anti- ragging Committee	Proctorial Board	
Sport Committee	Warden	
Cultural Committee	Sports Wing	
Counselling, Guidance and Placement Cell	Games & Sports committee	
International Cell	Transport Committee	
Committee for Freeship Scheme	Library Committee	
Dean of Students Welfare	IT & Planning Committee	
Time table Committee	UMS Committee	
Flying Squad Committee	Food & Mess Committee	
National Service Scheme (NSS)	RTI Cell	
National Cadet Corps (NCC)	Grievance Redressal Cell	
	IQAC	
	NIRF	

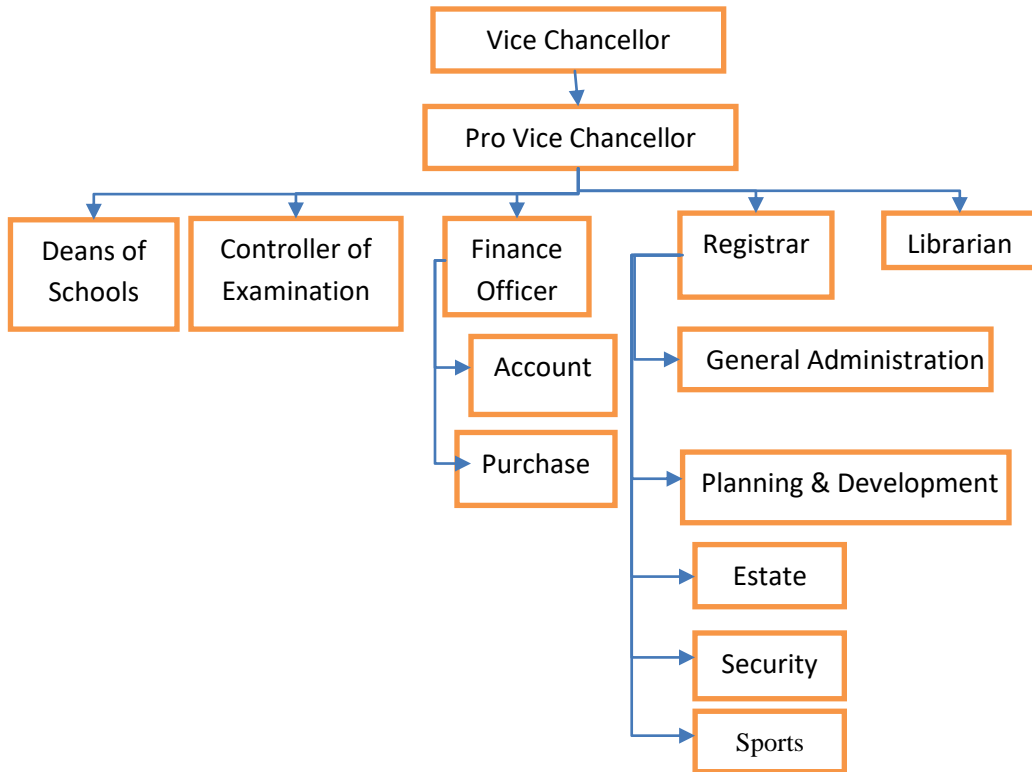
Moreover, all **procurement of Goods and Services** are made through inviting Tender/Quotations /Expression of Interest in University website, local and national dailies as per as practicable

6.3 Delegation of powers

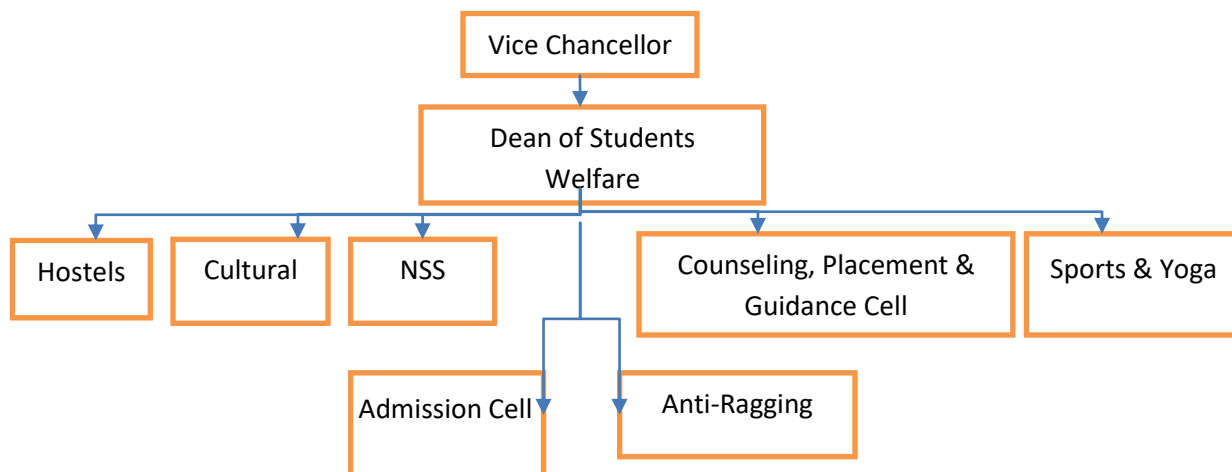
1. Academic Matters



2. Administrative Matters



3. Student Matters



6.4 Regularly conduct of meetings of statutory Committee Meetings and Ensuring participation of external members

S.No.	Date of meetings	EC	Date of meeting	AC	Date of meeting	FC	Date of meeting	BC
1	10.10.2009				08.05.2010			
2	13.03.2010				09.10.2010			
3	15.05.2010				05.02.2011			
4	09.08.2010				05.05.2011			
5	03.11.2010				24.09.2011			
6	12.03.2011				03.03.2012			
7	09.05.2011				21.05.2012			
8	20.08.2011				05.05.2013			
9	14.11.2011				19.10.2013			
10	05.03.2012				30.06.2014			
11	26.05.2012				20.04.2015			
12	28.07.2012				18.09.2015			
13	23.08.2013				12.06.2016			
14	14.09.2013				14.07.2017			
15	31.10.2013				06.11.2017			
16	08.12.2014							
17	25.04.2014							
18	23.12.2014							31.7.2017
19	09/10.03.2017							
20	13.4.2017							
(E)	19.7.2017							
21	28.08.2017							

22	27.11.2017			
23	03.12.2017			

6.5 Transparent faculty appraisal and its effective Implementation

‘Transparent Faculty Appraisal Systems’ was introduced in order to evaluate overall performance of a teacher. However, at present the Performance Based Appraisal System (PBAS) is followed to fill-up the proforma for promotion of faculty members under CAS as per the UGC Regulations.

For appointment of Teachers and other Academic Staff through direct recruitment process, the University follows the guidelines in accordance with the Regulations and the amendments issued by UGC and MHRD from time to time. The eligibility criteria prescribed by other appropriate regulatory bodies, such as NCTE and AICTE etc. are followed, as and where required. The Reservation Policy of Government of India is also followed for candidates belonging to SCs, STs and OBCs and PwDs as per University roster. To invite applications from the eligible Indian Nationals, University publishes/issues notification in the local and national dailies, as well as in the University website for wide circulation. To validate the eligibility of the candidates, preliminary screening committees are formed. Thereafter, the final short-listing is done by the screening-cum-evaluation committees as per UGC norms, which is developed and displayed by the University.

The Selection Committees are constituted and meetings are held as per UGC norms. The final recommendations for selection of the candidates are kept in the sealed envelope, which are placed before the Statutory Body i.e. the Executive Council of Central University of Jharkhand.

6.6 Availability of management information system

Presently finance section of the university is providing pay slips to all employees. Transferring of fund/payment of third party bill etc. are being transferred through both cheque and online process like NEFT, RTGS etc. All sorts of financial transaction including salary, wages, third party bill etc. has been shifted to Financial Software ‘Telly’ so that every employee can get the required information without any delay.

Library Automation and Website:

University Library is a knowledge resources centre, which has a good collection of text as well as reference resources to meet the needs of the faculty and students. This Library is comparable to any other well established University Library of the country in respect of its services and collection.

Automation and modernization of library has been priority area to provide value added services to meet the expectations of users in digital era. On-line catalogue of books are up to date with full description of **content pages** and **thumbnail** of cover pages to give **full content** analysis of documents. Library also developed its own **website** to provide internet based services for wider accessibility to its resources. Library subscribes to a large number of databases with the coverage of electronic as well as printed which also includes more than 7000 open access journals placed on library website. In addition to above services, library has been linked to many other websites relating to academic resources available at different locations.

Salient Features:

- Open Access Library
- Good collections of Reference / Text Books on all disciplines.
- Access to 14,253 e-journals; Print Journals 17 ; Magazines – 18; Newspaper - 11

Online Resources:

Sl. No.	Resource Name	No. of Journals
1	Springer Link	1389
2	Taylor & Francis	1079
3	Science Direct	1036
4	Wiley-Blackwell Publishing	908
5	Cambridge University Press	224
6	Oxford University Press	262
7	American Chemical Society	50
8	Royal Society of Chemistry	29
9	American Institute of Physics	18
10	American Physical society	13
11	Economic & Political Weekly	1
12	JSTOR	2500
13	Open Source Journals	6744
Total		14253

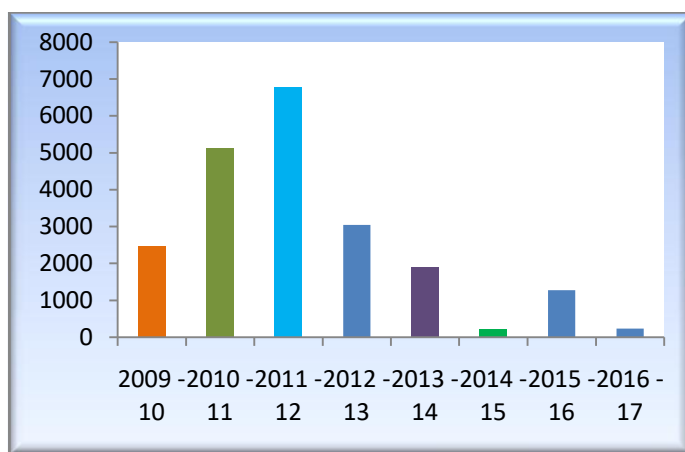
Online Database:









- Royal Society of Chemistry
- ISID
- JCCC
- MathSciNet

Institutional Membership:

- Current Science Association, Bangalore.
- American Library, Kolkata.

Statistics of the Library has been summarized as under:

Collection Development during the years

	2009 – 2010	2,475 (Books)
	2010 – 2011	5,122 (Books)
	2011 – 2012	6,776 (Books)
	2012 – 2013	3,044 (Books)
	2013 – 2014	1,898 (Books)
	2014 – 2015	207 (Books)
	2015- 2016	1,274 (Books)
	2016 – 2017	233 (Books)

Total Books 21, 029 (Books) as on 31/03/2017

Circulation & Usage

Circulation:

Books issued – 23,527

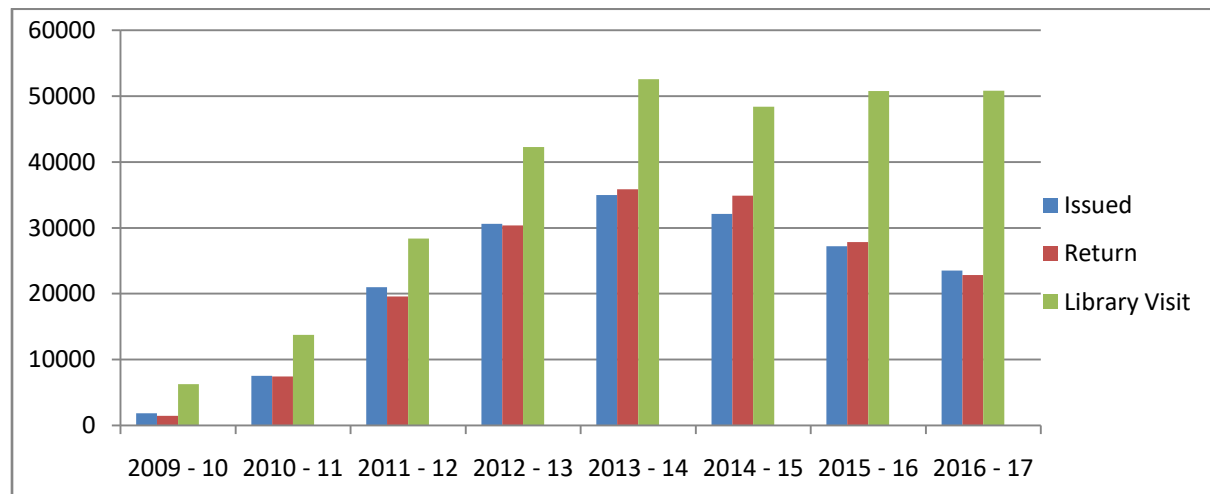
Books return – 22,850

Usage of Library:

Students – 50,452

Faculty visited – 314

Staff – 56



Year	Issued	Return	Library Visit
2009 – 2010	1,830	1,453	6,248
2010 – 2011	7,536	7,457	13,756
2011 – 2012	20,975	19,579	28,368
2012 – 2013	30,583	30,377	42,251
2013 – 2014	34,970	35,869	52,543
2014 – 2015	32,128	34,883	48,392
2015 – 2016	27,198	27,861	50,759
2016 – 2017	23,527	22,850	50,822
Total	1, 78,747	1, 80,329	2, 93,139

Infrastructure facilities:

1. 1 GB line for access to e-resources
2. Wi-Fi connectivity
3. Computers
4. Reading room facility extended up to 19:00 hrs.
5. Scanners for Digitization
6. Open Public Access Catalogue

6.7 Welfare schemes of faculties' staffs and students

Central University of Jharkhand is providing good working ambience for the employees and students of the University through

Employees	Students
Residence	Hostel
Medical	Freeship
LTC	Canteen
Women's Cell	Women's Cell
OBC Cell	OBC Cell
SC/ST Cell	SC/ST Cell
Wi-Fi Connectivity	Sports Wing
Grievance Redressal Cell	Medical
Banking Facility	Wi-Fi Connectivity
Health Centres: Gym, Yoga	Grievance Redressal Cell
Cultural Activities through SPIC MACAY	Banking Facility
	Adventure Sports Activities: Trekking
	Industrial Tour
	Industrial Training
	Placement
	Health Centres: Gym, Yoga
	Anti-Ragging Committee
	Cyber Literacy

6.8 Quality improvement strategies adopted by the institution

I. Curriculum development

- The relevant ordinance of the University stipulated provision of the Board of School and Board of Studies at regular interval for the curriculum development.

II. Teaching and Learning Process

- IQAC cell maintain the quality and performance of teachers
- Continuous Evaluation System
- Public lectures & talk
- More emphasis is given towards experience based learning through lab based exercises, Tutorials, CBCS, Field and industrial visits, dissertation & project works, internships etc.
- Remedial classes

III. ICT based methods

The University also gives high importance to the Modern methods of education (known as ICT based education) which includes, slide based classroom teaching, seminars and workshops, and virtual classes.

IV. Innovative methods

The University promotes the innovative ways of teaching and learning methods, which includes hands-on training, involvement of students in ongoing projects, research collaboration with major institutions with reference to Master level dissertation and internships. Accessibility to various e-books, online journals and study materials (INFLIBNET ISI Web of Knowledge, INFLIBNET Open Journal Systems, Elsevier Scopus (Online Database), IEEE Explore Digital Library, Indian Citation Index, SAGE Journals, Taylor & Francis, Springerlink, E-SHODSINDHU (INFLIBNET) Journals and Database *etc.*

V. Examination and Evaluation

Examination and Evaluation Process

Integrated/ Post Graduate programs – 3 Tiers

- Examiner
- Scrutinizer
- Head Examiner

Admission of students

Sl. No.	Academic Session	Within state	Outside the State	Outside the Country	Total
9.	2009-10	66	41	0	107
10.	2010-11	90	68	0	158
11.	2011-12	139	119	0	258
12.	2012-13	250	160	0	398
13.	2013-2014	400	270	2	625
14.	2014-2015	294	255	0	511
15.	2015-2016	333	341	0	674
16.	2016-2017	316	311	0	602

6.9 Leadership Interaction with the society

Central University of Jharkhand has been involved in several activities throughout the year:

Unnayan	Akhra
Health Camp	NCC
Blood Donation Camp	NSS
Yoga Shivar	Digital Literacy
e-Governance	Plantation
Village Awareness Programme	

Lectures delivered by some of the prominent personalities:

Dr. A. P. J. Abdul Kalam	Former President, Union of India
Justice M. B. Lokur	Judge, Supreme Court of India
Draupadi Murmu	Governor, Govt. Of Jharkhand
M. O. H. Farook	Former Governor, Govt. Of Jharkhand
Arjun Munda	Former Chief Minister, Govt. Of Jharkhand
C. P. Singh	Ministry of Urban Development, Govt. Of Jharkhand

Subodhkant Sahay	Former Union Minister
Jairam Ramesh	Former Union Minister
Balbir Dutt	Padma Shri & Renowned Journalist
Simon Oraon	Padma Shri & Waterman of Jharkhand
Mukund Nayak	Padma Shri & Folk Dancer
Asha Lakra	Mayor, Ranchi Municipal Corporation
S. N. Pradhan	IG, Jharkhand Police
Saket Kumar Singh	SSP, Ranchi
Sylvanus Dung Dung	Olympian Gold Medallist
Ashunta Lakra	Former Captain, Indian Hockey Team
Kim Kyung Han	Minister Counsellor, Political Section, Embassy of Korea
Atul Singh	Washington Based Founder of 'Fair Observer'
Nitin Chandra	Film Maker
Meghnath	National Documentary Film Maker
Shriprakash	National Documentary Film Maker
Ustad Kamal Sabri	Sarangi Recital
Sonam Wangchuk	Renowned Educationist
Moiri Dawa	Communication Officer, UNICEF (Jharkhand)
Nandlal Nayak	Folk Dancer
Ben Sakkerkelly	First Secretary, Australian High Commission, New Delhi
R. K. Rai	Renowned Clinical Doctor

7. Innovation & Best Practices

7.1: Innovation in academics in recent past which have resulted in positive impact from student learning perspective

Central University of Jharkhand is offering some innovative, integrated and niche courses on tribal affairs like Tribal and Customary Law (Hon. Supreme Court has referred some of cases to this specific centre), Indigenous Culture, Tribal Folklore, Language and Culture. One specific centre has been designed for Human Right and Conflict Management. One school is specially offered course on Far East languages (Chinese, Korean and Tibetan). One centre named Transport Science and Technology is on the verge of opening, this centre has specialization on surface, air and water transportation. Some emerging areas are covered in centres of Energy Engineering, Water Engineering and Management, Nanotechnology.

7.2: Innovation and Best Practices

Overview		
University Centric	Faculty Centric	Student Centric
Sharing of Laboratories between centers	BHIM App Training Programme; Awareness on GST; Awareness on Office Management; Course on Cyber Security; and POSCO	Extra Curricular: Student Mentorship, Yoga and Self-meditation for Students; Unnayan (Special classes by CUJ Students to local school children)
Collaboration with Foreign University	Organization of health camp	Co-Curricular: Summer/Winter projects through Indian Academies of Science funding; Organization of Seminars; and Lectures by experts from Industries
MoU with institutions in Korea and China	Funding for attending International Conferences and Workshops	Curricular: Participation in Seminars, Indian Science Congress, Visiting the Commercial Places (For MBA Students), Fellowships to Students, DBT Builder Fellowship
Fulbright Fellow	Adjunct Professorship to Universities of other states; Resource persons for	

	organizations/industries like Coal India Ltd, Jharkhand Judicial Academy, R&D Centre for Iron and Steel (RDCIS) of SAIL etc.	
Centre Wise Details		
Centre for Environmental Sciences		
Faculties of Centre for Environmental Sciences take laboratory practical classes of other Centres (Centre for Water Engineering & Management; & Centre for Applied Chemistry) of VII Semester students of Integrated Programmes.	<p>Faculties of CEVS are doing research & projects in various contemporary topics related to themes of Environmental Sciences. Dr. P. Saikia has individual & joint research projects with different funding agencies and organizations on individual basis as well as institutional level, viz. IUCN, CEM, GFBI-USA, GKVK-Bangalore, etc.. Dr. K. Baudh, Dr. K. Parmar & Dr. B. Singh of CEVS have individual research projects with them.</p> <p>A project titled 'An Integrated Waste Management & Rainwater harvesting system proposed for Universities' has been submitted to SERB, India and is under review for grant of funds by one of the Faculty member (Dr. B. Singh of CEVS).</p> <p>Faculty member of CEVS have been funded to attending National/International Conferences and Workshops at India & Abroad (viz. Poland).</p>	<p>Remedial Classes for students by CEVS</p> <p>Regular Student seminar and presentations by CEVS</p> <p>Mentoring of each students by faculties of CEVS</p> <p>Students of Environmental Sciences of current IXth Semester and passed-out Xth Semester have developed a vermicompost bed to treat the solid waste (leaves, etc.) originating in the University campus.</p> <p>Students of CEVS have placed bins near the classrooms where wastes are thrown based on their category and composition.</p>
Centre for Water Engineering & Management		
<p>Laboratories of CWEM are shared with Centre for Energy Engg, Centre for Nanotechnology and Centre for Land Resources Management.</p> <p>MoU has been signed between CWEM and M/S</p>	<p>Dr. Ajai Singh, Head, CWEM delivered lecture in Soil Conservation Department, DVC, Hazaribagh.</p> <p>Dr. Ajai Singh, Head, CWEM is a Member of Interview Board for selection of State Level Officer in World Bank Project of DWSD Govt.</p>	Students of CWEM are attending Internship in different Industry and Organisation

Eco Water Solutions, New Delhi and M/S C2S2 Pvt. Ltd, New Delhi	of Jharkhand.	
Centre for Land Resource Management		
<p>Sharing of Classroom facilities between Centres, Edusat Satellite Outreach Programmes.</p> <p>Collaboration with Foreign University/Centres: Columbia Water Centre, USA.</p> <p>MoU with institutions in the area of Geospatial Technology: IIRS, Dehradun, ISRO. GoI. Committee Members across various Centres of the University.</p>	<p>Geospatial Technology related courses, Orientation & Refresher Courses.</p> <p>Organization of Medical Camp, Workshop in Referencing Tools.</p> <p>Funding for attending International Conferences and Workshops. Resource persons for organizations like SKIPA, Ranchi, UNICEF, Ranchi University and Observer duties etc.</p>	<p>Extra Curricular: Student Mentorship, Sports for Students.</p> <p>Co-Curricular: Summer Internship Projects; Organization of Seminars and Lectures by experts from Geospatial Technology related fields.</p> <p>Curricular: Participation in Seminars, Indian Science Congress, Field Exposure Visits (For CLRM Students), One Year Projects with Geoinformatics related Organizations for the award of Degree's in Geoinformatics.</p>
Centre for Human Rights & Conflict Management		
A MoU signed in-between CUJ and the University of Tromso-The Artic University.	<p>Training Programme of Gender Sensitivity by CHRCM.</p> <p>An Elective Course on Gender Sensitivity by CHRCM.</p> <p>Invited Guest Lecture/s in other Universities by CHRCM.</p> <p>Resource Person in Human Resource Development Centre (HRDC) and other National Workshops and Conferences.</p> <p>Simulation Studies for better understanding and training on real time decision-making in critical conditions of conflict resolution.</p>	<p>Internships for Students of the University in various NGO of national and international reput.e Invited Lecture for the Students.</p> <p>Students Field Visit to rural and problem ridden areas of the State of Jharkhand.</p> <p>Training Programme for Students at National Institute for Rural Development (NIRD), Hyderabad and Judicial Academy, Jharkhand.</p>
Centre for Business Administration		
International Conference The Next Leap with Industry Funding(Feb 6-7 , 2014)	<p>Awareness on stock markets.</p> <p>Resource Person for Judicial Academy , IICM, IIM-C, ISM Dhanbad, IIITM-G, UGC-HRD</p>	<p>Participation in the business plan competitions and achieving good results.</p> <p>Visits to corporate for</p>

<p>One day Research Paper writing workshop (Feb 8, 2014)</p> <p>Visit & sessions of eminent speakers from corporate like</p> <ul style="list-style-type: none"> • Dr Hasit Joshipura, MD, GSK Ltd. • Mr S Chattopadhyay, Director (Project) Mecon Ltd. • Prof. Pradeep Taneja, Melbourne University • Prof. Sanjay Gaur, University of Auckland • Prof. Jean Dreze, Economist and Co-author with Prof. Amartya Sen • Dr Sanjoy Mitra, CEO, SMSRC Ltd. • Prof. A Gani, Central University of Kashmir 	<p>Centre, Fisher Dubai, Amity university, RDCIS SAIL, MTI SAIL, VIT-B School,</p> <p>Training Programs for Executive of MNCs and Foreign Training</p> <p>Training Program on Managerial Skills (Short Term Course).</p> <p>Faculty Development Program on Research Methodology (along with SPSS).</p> <p>Design of course structure and curriculum giving inputs for placements and UGC NET examination/ specialist officers (Student placed in IOCL and PSBs.</p> <p>Foreign Language in the final year of IMBA Program.</p> <p>Business Simulation during Sem X of the IMBA Program.</p> <p>Innovative skills development courses such as Personality Growth Lab, Interpersonal Skills and Working in Teams, Creativity and Innovation.</p> <p>Innovative conceptual courses such as Management by Human Values, Corporate Governance and Public Policy, Analysis and Decision Making.</p>	<p>looking at Industry Practices for certain specialization paper.</p> <p>Industry Project for Semester VI of IMBA Program.</p> <p>Practical Assignments during specialization papers oriented towards skill development.</p> <p>Research Project for Semester VIII and Semester IX.</p> <p>Three 4-6 weeks Internships during Five Year IMBA Program.</p>
Centre for Applied Mathematics		
<p>Instructional School -2013 (17/12/13-06/01/14).</p> <p>National Seminar (08/02/14 -09/02/14).</p> <p>Ganit utsav August -2013 by CAM</p> <p>Faculty Appraisal.</p> <p>Forming Admission committee. Board of Studies.</p> <p>Sports Activities.</p>	<p>Instructional School - 2013(17/12/13-06/01/14).</p> <p>National Seminar (08/02/14 - 09/02/14).</p> <p>Ganit utsav August -2013.</p> <p>Faculty Appraisal.</p> <p>Cultural Activities.</p> <p>Syllabus Committee.</p> <p>Board of Studies.</p> <p>Sports Activities.</p>	<p>Instructional School - 2013(17/12/13-06/01/14).</p> <p>National Seminar (08/02/14 -09/02/14).</p> <p>Ganit utsav August -2013 by CAM</p> <p>Batch Mentoring.</p> <p>Forming Admission committee. Remedial Classes for students.</p> <p>Cultural Activities.</p> <p>Syllabus Committee.</p>

		Board of Studies. Student Seminars. Co-Curricular Activities. Sports Activities.
Centre for Tribal Folklore, Language and Literature		
UGC Research award, MoU with La Foscari University, Italy, MoU with the University of Tartu, Estonia Activities with Samvaad, Tata Steel, Work with International Storytelling Group.	Resource person of New Education Policy, MHRD, Resource person of Commission of Scientific Terminology, MHRD, Resource person of Centre for Integrated Social Development and Research, Resource person of SPCW Community representative of Peoples Linguistic Survey of India Resource person of Koirang Literature Committee Organized Seminar, workshop and Winter School.	Remedial classes, Students mentoring, Organised Winter School, Seminar, Research Methodology workshop etc.
Centre for Far East Languages		
The Chinese language lab is shared by other languages for conducting listening and speaking classes.	Teachers participate in Seminars/Conferences/Symposium /Special lectures etc. The teachers also participate in Faculty Development Programs such as Special Language specific training programs in foreign countries, Orientations, Refreshers, short term workshops etc. The faculty members participate in Workshops on 'Teacher's Training for non-native Korean language Educator in India' organized by the Embassy of the Republic of Korea.	The Centre recommends students for short/long term scholarship/ fellowships in abroad. The Centre also helps students to pursue higher studies in reputed academic institutions. Extra Curricular: The students are encouraged to participate at national level sports, Korean/Chinese essay writing, Singing & speech competitions. Curricular: Seminars and presentations in the classrooms are conducted which have been effective in uplifting students' personality. Besides, movies and dramas in concerned languages are shown to the students

		regularly to enhance their linguistic and cultural skills. Participative and inclusive approach towards students' centric curriculum has helped in mutual learning and development process in the last five years.
Centre for English Studies		
Organized a three day festival <i>Salva Tagore</i> at the Central University of Jharkhand, Ranchi, to celebrate the 150th Birth Anniversary of Gurudev Rabindranath Tagore, the legendary poet, philosopher, painter and educationist. The three-day long celebration from 12th - 14th November, 2011, included thought provoking academic sessions, where in eminent speakers from across the country deliberated on the life, works and vision of Tagore, enthralling cultural performances by internationally renowned artists such as Ms. Tanusree Shankar and Padmashree H. Kanhailal, an exhibition on Tagore and a food festival showcasing cuisine from Bengal and Jharkhand. The dance drama "Valmiki Prathibha" performed by	Special Lecture Series 13-15& 17 October, 2015 In-House Lecture Series on Literary Theories 2016	Two-day Workshop on Embittered History: Post Memories of Partition from March 6-7, 2013, CES, CUJ Speech Competition The Afterlife of Gandhi: His Philosophy and its Contemporaneity 2013 Speech Competition "Role of Youth in Promoting Harmony and Common Brotherhood" 2013 Workshop on Research Methodology and MLA Style in an Academic Writing 2016 Workshop on Research Methodology and MLA Style in an Academic Writing 2017

<p>inmates of Presidency Correctional Home, Kolkata, on 13th November, 2011, exemplary of Tagore's vision of cultural therapy, was an attempt by the University to reach out to those less privileged. The celebrations was preceded by quiz, poetry recitation, painting and street play competitions for the school and college students of Jharkhand, giving them a unique platform to showcase their talents. Organizing Secretary and Convener Dr. Shreya Bhattacharji, Associate Prof. CES</p> <p>International Conference on "Text, Culture and Performance: Postcolonial Issues" with IACLALS from February 2-4, 2012</p> <p>International Conference on "Voices from the Margin: Society, Culture and Exclusion" from 20-22 February, 2012</p>		
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7.3 Availability and implementation of Strategic plan for last 5 years

- After establishment of the university 11 new centres of studies (after 2011) were planned and opened

- Curriculum Development for the 11 centres opened were developed namely (details in annexure-I)
 - Manpower planning for teaching and non-teaching staffs
 - GEET- Centre for Excellence for Centre for Energy Engineering
 - Centre for Tribal & Customary Law, Centre for Indigenous Culture studies, Centre for Human Rights and Centre for Tribal Folklore Language & Literature are functioning focusing upon research & issues related to development of Tribals in the State of Jharkhand.
- (a) *Corporate social Responsibility:* University premises is engaged along with faculty and students run Unnayan Programme engaged for imparting education for under privileged children of near-by villages and Students take up activities as small live projects to support setting up and development of small business near university campus

7.4 Availability of strategic Plan for Next 5 years

- *Human Resource Plan*

Year wise Requirement of Academic Staff

ACADEMIC FACULTY	2017-18	2018-19	2019-20	2020-21
Professor	8	2	1	1
Associate Professor	16	4	2	4
Assistant Professor	32	8	4	4
Total	56	14	7	9

Year wise Requirement of Non-teaching staff

Administration	Pay Level as per VII CPC	2017-18	2018-19	2019-20	2020-21
Deputy Registrar	12	3	NA	NA	NA
Sr. Hindi Officer	11	1	NA	NA	NA
Assistant Registrar	10	5	NA	NA	NA
Section Officer	7	7	NA	NA	NA
Sr. Hindi Translator	7	1	NA	NA	NA
Assistant	6	10	NA	NA	NA
UDC	4	10	NA	1	1
LDC	2	12	NA	1	1
MTS	1	8	NA	2	NA

TOTAL		57	NIL	4	2
Engineering	Pay Level as per VII CPC	2017-18	2018-19	2019-20	2020-21
Supdt. Engineer	13	1	NA	NA	NA
Asst. Engineer	7	1	NA	NA	NA
Jr. Engineer	5	2	NA	NA	NA
Electrician	1	2	NA	NA	NA
Plumber	1	2	NA	NA	NA
TOTAL		8	NIL	NIL	NIL
Technical	Pay Level as per VII CPC	2017-18	2018-19	2019-20	2020-21
Sr. Scientific Officer (Computer)	11	1	NA	NA	NA
Scientific Officer	10	2	NA	NA	NA
Sr. Technical Assistant	6	2	1	1	1
Technical Assistant	5	4	2	1	1
Laboratory Assistant	3	4	2	1	1
Lab attendant	1	5	2	2	1
TOTAL		17	7	5	4
Estate	Pay Level as per VII CPC	2017-18	2018-19	2019-20	2020-21
Estate Officer	9	1	NA	NA	NA
Guest House Manager	7	1	NA	NA	NA
Cook	3	3	NA	NA	NA
Kitchen Attendant	1	2	1	1	1
Hostel Attendant	1	2	1	1	1
TOTAL		9	2	2	2
Medical	Pay Level as per VII CPC	2017-18	2018-19	2019-20	2020-21
Sr. Medical Officer	11	1	NA	NA	NA
Nurse	7	1	1	NA	NA
Medical Attendant	1	1	1	NA	NA
TOTAL		3	2	NIL	NIL
Library	Pay Level as per VII CPC	2017-18	2018-19	2019-20	2020-21
Asst. Librarian	10	1	1	NA	NA
Professional Asst.	6	1	NA	NA	NA
Jr. Professional Asst.	5	1	NA	NA	NA
Library Asst.	3	1	NA	NA	NA
MTS (Library)	1	3	NA	NA	NA
TOTAL		7	NIL	NIL	NIL
GRAND TOTAL		101	12	11	8

- Shifting of temporary campus to permanent campus with following facilities (Details available separately):
 - (a) Academic Blocks
 - (b) Administrative Blocks
 - (c) Hostel Blocks (Boys & Girls)
 - (d) Library
 - (e) Workshops (3 no.s)
 - (f) Auditorium
 - (g) Medical Centre
 - (h) Gym
 - (i) V.C.Bungalow
 - (j) Guest House
 - (k) Hospital
 - (l) Post Office & Bank
 - (m) Cafeteria
 - (n) Police Out Post
 - (o) Swimming Pool
 - (p) Seminar Hall
 - (q) Sports (Outdoor: Badminton, Volley Ball & Lawn Tennis)
 - (r) Transport Section & Garage
 - (s) Cycle Park
- Implementation of Staff & students Welfare schemes
- Providing consultancy to State and Central government
- Establishment of new courses as per the university's vision and requirement (eg: Hindi, Transportation Engineering)
- Internal & External resource generation
- Full-Fledged Medical facilities in the campus
- Bridge courses for students who come from rural background
- Establishment of eco-friendly and green campus (solar panels inception started)

8. Budget Allocation and Utilization

8.1	Budget Allocation under various heads	XI Plan (2008-12) Grants Received: Rs.10,150 (Lacs) XII Plan Recurring: 8000 (Lacs) Non- Recurring:16800 (Lacs) (Total: Rs.29850 (Lacs)) (Details attached as Annexure)		
8.2	For last 3 financial years – adequacy and utilization of budget		<u>Grants Received</u> 2014-15 2500 Lacs 2015-16 2583.23 Lacs 2016-17 2400 Lacs	<u>Expenditure</u> 1922.67 Lacs 2281.09 Lacs 2262.30 Lacs
8.3	Expenditure per students	2016-17	Rs. 90746 per student (2493 student)	

Details Available in yearly financial audit reports attached as annexure below:

NEW CENTRAL UNIVERSITIES

GFR 19-A

[See rule 212 (1)]

Form of Utilization Certificate

For the Period of 1st March, 2009 to 31st March, 2012

Sl. No.	Letter No. and Date	Amount (₹)
1	UGC letter No. F.24-36/2009 (CU) dated 13/03/2009	1,25,00,000
2	UGC letter No. F.46-2/2009 (CU) dated 11/08/2009	5,00,00,000
3	UGC letter No. F.46-1/2009 (CU) dated 31/03/2010	6,25,00,000
4	UGC letter No. F.46-1/2009 (CU) dated 23/06/2010	15,00,00,000
5	UGC letter No. F.46-1/2009 (CU) dated March, 2011	25,00,00,000
6	UGC letter No. F.46-1/2009 (CU) dated 15 th July, 2011	12,50,00,000
7	UGC letter No. F. 46-1/2009 (CU) dated 3 rd January, 2012	36,50,00,000
	Total	1,01,50,00,000

Certified that out of ₹ 1,01,50,00,000/- (Rupees one hundred one crore and fifty lakh only) of grant-in-aid sanctioned during the year 2009-2009, 2009-2010, 2010-2011 and 2011-2012 (till 31st March, 2012) in favour of Central University of Jharkhand vide Letter No. given in the margin plus Bank interest earned ₹ 88,21,849/-, a sum of ₹ 77,41,15,204/- (Rupees seventy seven crore forty one lakh fifteen thousand two hundred and four only) has been utilized for the purpose for which it was sanctioned and that the balance of ₹ 24,97,06,645/- (Rupees twenty four crore ninety seven lakh six thousand six hundred and forty five only) remaining unutilized at the end as on 1st April, 2012.

Details of Funds Received and expenditure incurred so far

Year	Grants Received (₹)	Interest earned (₹)	Total funds available	Expenditure incurred			Unspent Balances at the end of year as on 1 st April, 2012
				Recurring	Non-Recurring	Total	
2008-2009	1,25,00,000	-	1,25,00,000	60,040	93,520	1,53,560	1,23,46,440
2009-2010	11,25,00,000	6,41,170	11,31,41,170	2,93,54,527	2,99,72,660	5,93,27,187	5,38,13,983
2010-2011	40,00,00,000	22,49,779	40,22,49,779	7,08,04,177	22,35,91,808	29,43,95,985	10,78,53,794
2011-2012	49,00,00,000	59,30,900	49,59,30,900	10,55,23,201	31,47,14,771	42,02,38,472	7,56,92,428
Total	1,01,50,00,000	88,21,849	1,02,38,21,849	20,57,42,415	56,83,72,759	77,41,15,204	24,97,06,645

1/2/2012

Details of funds received and expenditure incurred so far (31st March, 2012).

Statement of expenditure against the total Plan grant (General Development Grant + Mergerd Schemes + Fellowship Scheme) received

Head	Amount (₹ in lakhs)
Non-Recurring	
Items	
1. Temporary site Development	43,15,33,492
2. Books & Journals	1,56,30,396
3. Equipment	3,15,81,169
4. Computer & Peripheral	3,32,48,822
5. Others (Lab. Accessories, Furniture & Fixing, Vehicle etc.)	5,49,31,000
6. Library	14,47,880
Total	56,83,72,759
Recurring	
Items	
1. Staff Salary (Teaching & non-Teaching)	8,67,81,599
2. Academic Expenses	1,22,55,815
3. Repair & Maintenance	58,23,061
4. Recurring Expenses	10,08,81,970
Total	20,57,42,445
Grant Total (Recurring + Non-Recurring)	77,41,15,204

Finance Officer
Dated 2nd April, 2012

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21/4/12

XII PLAN ALLOCATION

Name of the University: **CENTRAL UNIVERSITY OF JHARKHAND**

(Rs. in lakhs)

Sl. No.	Item	XII Plan Allocation	General Component	SC Component	ST Component	Total
1	2	3	4			
I	Recurring (Grants in aid General) (31)					
(i)	Consumables & Labs.	600.00	465.00	90.00	45.00	600.00
(ii)	Electricity Charges	900.00	697.50	135.00	67.50	900.00
(iii)	Water Charges	150.00	116.25	22.50	11.25	150.00
(iv)	Contingencies	2250.00	1743.75	337.50	168.75	2250.00
(v)	Maintenance/repair of Buildings	500.00	387.50	75.00	37.50	500.00
(vi)	Academic expenses, Examination expenses and Other expenses (if any)	450.00	348.75	67.50	33.75	450.00
	TOTAL -I	4850.00	3758.75	727.50	363.75	4850.00
II	Fellowship for Non-NET M.Phil/Ph.D. Scholars					
	TOTAL-II	200.00	155.00	30.00	15.00	200.00
	TOTAL (I+II)	5050.00	3904.75	757.50	387.75	5050.00
III	Recurring (Grants in aid Salary) (36)					
(i)	Staff Salary for post sanctioned during XI Plan including first charge of XI Plan					
	Teaching	4800.00	3720.00	720.00	360.00	4800.00
	Non-Teaching	2500.00	1937.50	375.00	187.50	2500.00
	TOTAL	7300.00	5657.50	1095.00	547.50	7300.00
(ii)	Staff Salary for new positions sanctioned /to be sanctioned during XII Plan					
	Teaching	400.00	310.00	60.00	30.00	400.00
	Non-Teaching	300.00	232.50	45.00	22.50	300.00
	TOTAL	700.00	542.50	105.00	52.50	700.00
	TOTAL (I+II)	8000.00	6200.00	1200.00	600.00	8000.00

Wla
8.1.8

Sl. No.	Item	XII Plan Allocation	General Component	SC Component	ST Component	Total
1	2	3	4			
iv	Non-recurring (Creation of Capital assets) (35)					
(i)	Building	11000.00	8525.00	1650.00	825.00	11000.00
(ii)	Books & Journals	500.00	387.50	75.00	37.50	500.00
(iii)	Equipment (Excluding furniture, fixture & Computers)	3300.00	2557.50	495.00	247.50	3300.00
(iv)	Campus Development (for construction of roads, providing electricity, water, laying/renovating sewerage lines, plantation and development of the land etc.)	1000.00	775.00	150.00	75.00	1000.00
(v)	Other infrastructure which are not included (i) to (iv) (Please specify)	1000.00	775.00	150.00	75.00	1000.00
	(a) Temporary Site Development					
	(b) UTMS					
	(c) Furniture & Fixture					
	(d) Computer & Periphery					
	TOTAL - IV	16800.00	13020.00	2520.00	1260.00	16800.00
	GRAND TOTAL (I+II+III+IV)	29850.00	23133.75	4477.50	2238.75	29850.00

M/10
8.1.18

CENTRAL UNIVERSITY OF HARYANA

Form of Utilization of Grant

(XII P in General Development of Assistance)

For the Period of 1st April, 2012 - 30 June, 2017

No.	Enter No and Date	Amount
1	UOC Letter No. - F-74/2012 (CU), Dated - 3 rd August, 2012	35.00
2	UOC Letter No. - F-74/2012 (CU), Dated - 9 th August, 2012	3.50
3	UOC Letter No. - F-74/2012 (CU), Dated - 20 th Aug, 2012	42.50
4	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
5	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
6	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
7	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
8	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
9	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
10	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
11	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
12	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
13	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
14	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
15	UOC Letter No. - F-74/2012 (CU), Dated - 31 st Aug, 2012	1083.27
Total		2,497.05

Certified that out of ₹ 20483.23 lakhs of grant money received during the year 2012-13, 2,497.05 lakhs of grant money has been utilized for the purpose for which it was sanctioned and the balance of ₹ 18,986.18 lakhs is remaining unutilized at the end of 30th June, 2017.

Details of fund received and expenditure incurred as per:

Year	Grants Received	Interest earned	Total fund available	Expenditure incurred			Unspent Balances at the end of year as on 1 st April	
				Grants in aid General (36)	Transfers in aid (37)	Creation of Capital Assets (38)		
2012-13	5075.00	124.36	5201.36	764.75	1004.45	5659.88	7427.0	-2225.72
2013-14	7935.00	102.36	8057.36	779.17	1412.55	6122.17	8113.6	-285.53
2014-15	1350.00	42.85	1392.85	455.19	1457.48	1992.67	1992.6	610.18
2015-16	2583.23	352.90	2936.13	550.16	1999.53	131.30	2281.0	655.04
2016-17	2420.00	379.45	2799.45	492.74	1762.86	6.70	2262.3	517.15
2017-18 - amount	-	17.35	1.35	206.30	7698.91	-	658.21	-607.89
Total	20483.23	1023.27	2150.50	3246.31	7698.91	11920.05	22862.21	-1360.77


₹ 24927.05 net operating balance as on 01.04.2012.

Certified that the above statement is correct and true.

* ₹ 2497.05 was opening balance as on 01.04.2012

2. Certified that I have satisfied myself that the conditions on which the grant is aid was sanctioned have been duly fulfilled and that I have exercised the following checks to ensure that the money was actually utilized for the purpose for which it was sanctioned:

1. Vouchers
2. Cash Book
3. Bank Statement
4. Bank Reconciliation

Signature: 
 Designation: Registrar
 Date: 19/06/2017
 Seal of the University

Signature: 
 Designation: Finance Officer (AO)
 Date: 19/06/2017
 Seal of the University

9. Details Action Plan for next 3 Years with Intermediate Tangible Outcomes/ Milestones along with implementation of plan.

Forthcoming Three Years Action Plan

A. Administrative

1. To get grade 'A' accreditation from NAAC.
2. To Improve NIRF Ranking.
3. To develop University Management System as a complete digital solution of CUJ administration, finance, Students admission, Examination, library etc. through ERP.
4. To ensure building to equip with Solar panels and rain water harvesting structure.
5. To fill faculty and staff positions still vacant as per 11th Five Year Plan.
6. To get sanction new faculty and staffs positions as per 12th five year Plan
7. To get approval for academic courses from competent authority.

B. New Building Projects requirement for 2017-18 to 2019-20

(i) Development of CUJ New Campus (Cheri Manatu) incorporating:

1. Acquisition of additional land for proper accessibility of new Campus.
2. Completion of remaining Construction work of Administrative building, Kendriya Vidyalaya School Building, Academic Science Building, Hostels (Girls & Boys), Library etc. & take over by CUJ.
3. Finalization of DPR for New Campus.
4. Construction of Boundary wall, Road network.
5. Establishment of Sub-Station Building- in progress
6. Establishment of Water Sump- in progress
7. Provision & supply network system for water & electricity.
8. Provision for sewerage system and solid waste disposal.
9. Development of Academic buildings for School of Natural resource Management, School of Management Science and remaining Schools with Smart Classrooms and Faculty Cabins, Office Room for Records
10. Construction of Sports complex (indoor & outdoor), Auditorium, Meeting hall, Examination hall, Advanced University Science Instrumentation Centre, University Health Centre, Market Complex, multi-location Cafeteria, Yoga pavilion etc.
11. Construction of VC residence, Faculty quarters and Staff quarters
12. Landscaping and Plantation of new campus

13. Open Air Theater
 14. Centralized Wi-fi internet system
 15. Installation of Automatic Weather Station (AWS) and Solar (2 MW Solar Power Plant), Kitchen waste based Biogas Plant, Green Vehicles, Solar Water heaters, A model Infrastructure for regular Energy Audit and Management of CUJ
 16. Development of Green house, mist chamber, State of art lab for Image processing, Photogrammetry...
- (ii) REPAIR, RENOVATION & UP-GRADATION WORK REQUIREMENTS FOR 2017-2018 TO 2019-2020 AMC etc.

C. Academic

1. To conduct various **National/ International Seminars on diverse topics of concurrent world** to emerge as a local academic and intellectual platform for learning and developing knowledge in the area and its dissemination, to help the students to become experts of the subject with global perspective and information, so
2. To develop centralized computerized examination system.
3. To develop centralized **Computer Lab Infrastructure equipped with SPSS, AMOS, Matlab, R etc.**
4. Separate section for career counselling, interview etc. with proper Infrastructure facility
5. Teleconferencing facility for guest lectures and interviews
6. To establish permanent facility for EDUSAT based ISRO outreach academic programmes (**CLRM**)
7. To invite academic dignitaries for **public talks and distinguish lecture** to benefit the students and faculties of the Centre and the University at large.
8. To Develop course curriculum on urban planning, disaster Management, extra-terrestrial resource mapping (**CLRM**)
9. To develop GIS and image processing labs with 3D Workstations, Software (ArcGIS, MATLAB, ENVI) and high end workstation for SAR data and extra-terrestrial data processing.
10. The Centre has a proposal to establish the Vajpayee Chair of Foreign policy and Diplomacy. (**CIR**)
11. To explore the possibilities to conduct researches on Prison Literature, Disability Studies, Cultural studies, Gender Studies, Eco-Consciousness, Tribal Literature, Folklore, Narratives of Painting, Indigenous Narratives, Diaspora Studies, so on and so forth. (**CES**)
12. Certificate courses will be launched with Academic Council approval in areas like Logistics Management, Hospital Management, Entrepreneurship, etc. (**CBA**)

D. Research Collaboration

1. **To develop the School as Centre of Excellence in Research & Training**
2. To promote research collaboration with both local and international body/institutions.
3. **To promote faculty to initiate consultancy based work**
4. **To contribute actively for quality research and Publications and development of technology in terms of patents.**
5. To utilize the provision of student exchange program, and under this provision, students are being sent to China and Korean for academic pursuit.
6. **To establish Cross disciplinary conversation** in the development of tribal rights scholarship and initiate **legal Aid Programmes** by providing legal awareness regarding various laws like PESA, Consumer protection laws, etc. **by interacting with local NGOs and Gram Sabhas** on the issues of Local Governance and tribal development. **(CTCL)**
7. To Impart **training** to PRI members and judicial members on tribal issues **(CTCL)**
8. **To start Interdisciplinary Journal** on Tribal & Customary Law and Governance. **(CTCL)**
9. To start University level Incubation Centre **(CBA)**
10. To collaborate South Africa, Brazil and India under DST BRICS Joint proposal. Collaboration with leading R&D laboratories and institutions are also in practice **(CEVS)**
11. To collaborate with IORA Ecological Solution Pvt. Ltd., New Delhi (Research, Training & Placement), Karabük University, Turkey (student exchange & academic staff mobility program under Mevlana Exchange Programme Protocol), Malaysian University (Coastal Hazards) and Beijing Forestry University (Global Forest Biodiversity Initiative) **(CLRM)**
12. Research on extra-terrestrial resource mapping including Lunar and Mars missions **(CLRM)**
13. Development of field labs in major forest sanctuaries like Dalma, Palamu Tiger Reserve, Hazaribagh wild life sanctuary. **(CLRM)**
14. Staring of a new M.Tech program on Materials Technology. **(CNT)**
15. To initiate research in the field of Chemical synthesis of nanomaterial of Batteries and super capacitors, Sensors and devices; Photocatalysis, structural and nanomechanical properties of thin films, Energy Materials; Magnetism, Surface modifications; Computational Nano science. **(CNT)**
16. to establish audio-visual studio for television production, radio production as well as exercises for the students **(CMC)**
17. to establish campus radio station for Functional Community Radio **(CMC)**
18. to design several MOOC programme for Swayam platform for Online Course based teaching **(CMC)**
19. to establish 'Centre for Electronic Media' as a new centre with a master degree course in electronic media **(CMC)**

20. to launch short term media programs such as sports journalism, business journalism etc. **(CMC)**
21. Plans for academic interactions on the **International MoU** signed by the CUJ and University of Tromso-The Artic University **(HRCM)**
22. University of Tromso-The Artic University of Norway. (With reference to MoU signed in 2014 by Central University of Jharkhand with University of Tromso-The Artic University of Norway) **(CHRCM)**
23. To establish a UGC Area Studies Program with a special focus on China, USA and the European Union as they acquire strategic importance in Indian foreign policy. **(CIR)**
24. Seeking academic and research collaboration with universities in India and also abroad to explore the emerging fields in Literature and Cultural Studies. **(CES)**
25. Centre is collaborating with scholars from different institutions in India and abroad. and intensively involve in research to be funded by CSSR, UGC, Ministry of Culture, Central Institute of Indian Languages, DST, Chinese and Korean Embassies/Culture Centre etc. **(CFEL)**
26. To provide opportunity for study Tribal Folklore, Language and Literature of this region of India and to make comparative study of folklore, language and literature of different tribal communities of Jharkhand to promote cross-disciplinary and cross-methodological discussion in the study of sociolinguistics, language endangerment, language maintenance, shift and revitalization and strived for genuine discussion and cross-pollination between various disciplines and research traditions, their theories, methods, and data, and between researchers of different languages across the globe. **(CTFLL)**
27. To establish a folk museum and create a digital archive to protect the Culture of the nation in general and Jharkhand in particular. **(CTFLL)**
28. To publish Multilingual Dictionaries and Multilingual Encyclopedia (From tribal languages to major languages and vice versa), Tribal discourse: Visual and aural art form, Documentation of Folk- medicine, Animation film making, Promotion of positive attitudes to tribal languages and cultures **(CTFLL)**
29. A yearly celebration for the multiplicity of tribal and regional languages and culture of Jharkhand at CUJ **(CTFLL)**
30. Documentation of Tribal Folklore of Jharkhand and Collection of Texts: folk tales, folk songs, narrations, idioms, proverbs, riddles and others and Literary development **(CTFLL)**
31. Establishment of laboratories for practical on UG level, recruitment of faculties for 4 year integrated B.A-B.Ed and B.Sc.-B.Ed. course **(Education)**.