



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		CENTRAL UNIVERSITY OF PUNJAB
Name of the head of the Institution		Prof. R P Tiwari
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		01642864101
Mobile no.		9425614641
Registered Email		iqacoffice@cup.edu.in
Alternate Email		vcoffice@cup.edu.in
Address		Badal Road Village Ghudda
City/Town		Bathinda
State/UT		Punjab
Pincode		151401
<b>2. Institutional Status</b>		

University	Central
Type of Institution	Co-education
Location	Rural
Financial Status	central
Name of the IQAC co-ordinator/Director	Prof. S. K. Bawa
Phone no/Alternate Phone no.	01642864210
Mobile no.	9815323035
Registered Email	iqacoffice@cup.edu.in
Alternate Email	sk_bawa2001@yahoo.co.in

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="http://cup.edu.in/iqac_new/sites/default/files/users/iqac_update/AQAR%20Report%202018-19.pdf">http://cup.edu.in/iqac_new/sites/default/files/users/iqac_update/AQAR%20Report%202018-19.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	<a href="http://cup.edu.in/documents/Final%20Academic%20Calendar%202019-2021.pdf">http://cup.edu.in/documents/Final%20Academic%20Calendar%202019-2021.pdf</a>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.06	2016	25-May-2016	24-May-2021

### 6. Date of Establishment of IQAC

06-Feb-2015

### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Code of Ethics for Non-teaching Staff	29-Sep-2020 1	92

Code of Ethics for Students	29-Sep-2020 1	1256
Lab Audit	11-Mar-2020 3	1256
Internal Academic Audit	04-May-2020 17	92
External Administrative Audit	22-Jul-2020 3	92
Curriculum Audit	05-Feb-2020 6	1256
Internal Administrative Audit	30-Jan-2020 5	92
Online Workshop on Curriculum Design	24-Jan-2020 1	52
Data submission on NIRF portal	13-Sep-2019 90	1440
Students Satisfaction Survey and its analysis	07-Oct-2020 8	1256
<a href="#">View File</a>		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Prof. Ramakrishna Wusirika	Research grant	DST-SERB	2018 1095	3820000
Prof. S K Bawa	PMMMNMMTT	MHRD	2019 1095	49600000
Dr. Aklank Jain	DST-FIST	DST	2019 1825	7500000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

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

3

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

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

Curriculum Audit of 42 programs was conducted from February 5 to February 10, 2020 by 22 committees, and suggestions were incorporated in the curriculum of all programs before submission in the meetings for the Board of Studies of the respective departments.

Internal and External Academic Audit of 31 departments was conducted. Internal Academic Audit was conducted online from 4th May 2020 to 20th May 2020 and an external academic audit was conducted from October 19, 2020, to October 22, 2020. Reports of these audits were sent to the concerned departments for further improvement and have been uploaded on the IQAC website.

Internal Administrative Audit of all the divisions was conducted from January 30, 2020, to February 14, 2020, and External Administrative Audit of 21 divisions was conducted from July 22 to July 24, 2020.

The lab audit of all the thirty four (34) labs was scheduled from March 11, 2020 to March 13, 2020. The report of the lab audit has been uploaded on the IQAC website.

Code of Ethics for Students and Staff were prepared by IQAC. The same has been uploaded on the University website.

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

Plan of Action	Achievements/Outcomes
Energy saving environment protection projects	Star rated equipment were purchased like refrigerator, led lights and other lab equipments which are energy saving. 2000 trees were planted in the campus under environment protection project.
Training to administrative staff to improve office practices	1. Six members participated in Online Training Programme on "Enhancing Capacity in Preventing Sexual Harassment at the Workplace" 2. For digitalisation of administrative work, the training has been provided to 18 members working in different administrative divisions. All HoDs were also given training for file handling digitally. 3. Four week training programme on "Educational Administration" for administrative

	officers of the University was attended by Mr. Mukesh Kumar, Assistant Registrar."
Training to teaching and administrative staff	Training to Deans and HoDs was conducted on 15.12.2020 which was attended by 34 Deans and HoDs. A workshop for faculty on Learning Outcomes was conducted on 24.01.2020 by Prof. Vasudha Kamat, Former Vice Chancellor, SNDT Women University, Mumbai.
Developing Learning outcome based curriculum	The curriculum of 42 programs has been modified to make it learning outcome based curriculum. After conducting the curriculum audit, the learning outcome based curriculum was approved by Academic Council of CUP.
Establishment of Herbal Garden	A project to develop Herbal Garden has been submitted to National Medicinal Plant Board, Ministry of Ayush for 46 lacs. The university has allocated 20 acres land adjacent to lead botanical garden in which about 4045 medicinal plants will be grown for research and industrial use.
Establishment of Botanical Garden	The project to develop Lead Botanical Garden has been approved by Ministry of Environment and Forest for Rs. 33,00,000/ approximately. It has been planned to grow endangered, rare and threatened species in the garden. About 20 acre land has been allocated to develop this garden.
Increase in the intake capacity subject to the availability of infrastructure	The university could not shift to new campus therefore the intake could not be increased due to shortage of infrastructure.
Focus on digitalisation of different aspects of Recruitment (Teaching and nonteaching), Organigram, User Management and employee management, leave management, RTI management, Legal Case Management, Estate Management, Program Management, Vendor Bill Tracking, File Management, Fee Management, Research project and Grants Management, Inventory Management, Payroll Module, Health Module, Security Management, Transport Management, CFS, Training and Placement, Budget and Accounts, Grievance Management, Uni Web Portal	To implement ERP system under Samarth Project, the teaching and nonteaching staff have been provided training to handle 22 modules like Recruitment (Teaching and nonteaching), Organigram, User Management and employee management, leave management, RTI management, Legal Case Management, Estate Management, Program Management, Vendor Bill Tracking, File Management, Fee Management, Research project and Grants Management, Inventory Management, Payroll Module, Health Module, Security Management, Transport Management, CFS, Training and Placement, Budget and Accounts, Grievance Management, Uni Web Portal

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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Name of Statutory Body</th> <th style="width: 50%; text-align: center;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Internal Quality Assurance Cell</td> <td style="text-align: center;">28-Oct-2020</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Internal Quality Assurance Cell	28-Oct-2020
Name of Statutory Body	Meeting Date				
Internal Quality Assurance Cell	28-Oct-2020				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	16-May-2020				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>CUP has initiated the process of digitalization under Samarth Project to develop a Management Information System of the University. The project covers 22 domains to make the administrative process efficient. The administrative staff has been provided training to smoothly run the Management Information System. It covers the modules like Recruitment (Teaching and nonteaching), Organigram, User Management, and employee management, leaves management, RTI management, Legal Case Management, Estate Management, Program Management, Vendor Bill Tracking, File Management, Fee Management, Research project, and Grants Management, Inventory Management, Payroll Module, Health Module, Security Management, Transport Management, CFS, Training and Placement, Budget and Accounts, Grievance Management, Uni Web Portal. The integration process of all modules will be completed by April end and the administrative process will be in use digitally soon. HoDs of all the departments have also been given training for the e filing system.</p>				

Part B

**CRITERION I – CURRICULAR ASPECTS**

## 1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
MSc	MS-LAS-F	M. Sc. Life Sciences (Specialization in Animal Sciences)	01/07/2019
MSc	MS-FST-F	M.Sc. Food Science and Technology	01/07/2019
MBA	MB-ABB-F	MBA (Agribusiness)	01/07/2019
MSc	MS-LMS-F	M.Sc. Life Sciences (Specialization in Microbial Sciences)	01/07/2019
MSc	MS-LBC-F	M.Sc. Life Sciences (Specialization in Biochemistry)	01/07/2019
MSc	MS-CHM-F	M.Sc. Chemistry	01/07/2019
MSc	MS-CAC-F	M.Sc. Chemistry (Specialization in Applied Chemistry)	01/07/2019
MSc	MS-CCC-F	M.Sc. Chemistry (Computational Chemistry)	01/07/2019
MSc	MS-PCP-F	M.Sc. Physics (Computational Physics)	01/07/2019
MSc	MS-LBI-F	M.Sc. Life Sciences (Specialization in Bioinformatics)	01/07/2019

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

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
MBA	MBA Agribusiness	01/07/2019	ABM.552: Agripreneurship Development	01/07/2019
MSc	M.Sc. Food Sci and Tech	01/07/2019	FST.551: Processing of Milk and Milk Products	01/07/2019
MSc	M.Sc. Food Sci and Tech	01/07/2019	FST.524: Processing of Fruits and	01/07/2019

			Vegetables	
MSc	M.Sc. Food Sci and Tech	01/07/2019	FST.522: Processing of Cereals, Pulses and Oilseeds	01/07/2019
MSc	M.Sc. Food Sci and Tech	01/07/2019	FST.523: Food Engineering and Unit Operations	01/07/2019
MSc	M.Sc. Food Sci and Tech	01/07/2019	FST.507: Food Processing and Preservation	01/07/2019
MSc	M.Sc. Food Sci and Tech	01/07/2019	FST.552: Application of Enzymes in Food Processing	01/07/2019
MBA	MBA Agribusiness	01/07/2019	ABM.507: Marketing Management	01/07/2019
MSc	M.Sc. Life Sciences with specialization in Biochemistry	01/07/2019	LBC.572: Nutritional Biochemistry	01/07/2019
MSc	M.Sc. Life Sciences with specialization in Plant Sciences	01/07/2019	LPS.555: Techniques in Life sciences	01/07/2019

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## 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
MA	MAE.503 Physical And Mental Wellbeing	01/07/2019
MA	ECO.504 Data Analysis Using SPSS	01/07/2019
MSc	EVS.528 Natural Resource Management	01/07/2019
MSc	LBI.508 Basics of Biochemistry	01/07/2019
MSc	CCC.514 Physical Organic Chemistry	01/07/2019
MSc	CMC.572 Green Chemistry	01/07/2019
MEd	MED.527 Guidance and Counseling for Elementary Education	01/07/2019
MA	POL.524 India's Freedom Struggle	01/07/2019
MA	HIS.526 Indian Art and Architecture: Medieval	01/07/2019



	India	
MA	ENG.571 New Literature	01/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MSc	M. Sc. Life Sciences (Specialization in Animal Sciences)	01/07/2019
MSc	M.Sc. Food Science and Technology	01/07/2019
MBA	MBA (Agribusiness)	01/07/2019
MSc	M.Sc. Life Sciences (Specialization in Microbial Sciences)	01/07/2019
MSc	M.Sc. Life Sciences (Specialization in Biochemistry)	01/07/2019
MSc	M.Sc. Chemistry	01/07/2019
MSc	M.Sc. Chemistry (Specialization in Applied Chemistry)	01/07/2019
MSc	M.Sc. Chemistry (Computational Chemistry)	01/07/2019
MSc	M.Sc. Physics (Computational Physics)	01/07/2019
MSc	M.Sc. Life Sciences (Specialization in Bioinformatics)	01/07/2019
MSc	M.Sc. Mathematics	01/07/2019
MSc	M.Sc. Statistics	01/07/2019
MPharm	M. Pharm. Pharmaceutical Sciences (Medicinal Chemistry)	01/07/2019
MPharm	M. Pharm. Pharmaceutical Sciences (Pharmacognosy and Phytochemistry)	01/07/2019
MSc	M.Sc. Chemical Sciences (Medicinal Chemistry)	01/07/2019
MSc	M.Sc. Physics	01/07/2019
MSc	M. Sc. Life Sciences (Specialization in Plant Sciences)	01/07/2019
MPharm	M. Pharm. (Pharmacology)	01/07/2019

MEd	M.Ed.	01/07/2019
MA	M.A. Education	01/07/2019
MPEd	M.P.Ed.	01/07/2019
Mtech	M.Tech. Computer Science & Technology	01/07/2019
Mtech	M.Tech. Computer Science & Technology (Cyber Security)	01/07/2019
MSc	M.Sc. Environmental Science and Technology	01/07/2019
MSc	M.Sc. Geology	01/07/2019
MA	M.A./M.Sc. Geography	01/07/2019
MA	M.A. Political Science	01/07/2019
MA	M.A. History	01/07/2019
MSc	M.Sc. Life Sciences (Specialization in Human Genetics)	01/07/2019
MSc	M.Sc. Life Sciences (Specialization in Molecular Medicine)	01/07/2019
MA	M.A. English	01/07/2019
MA	M.A. Hindi	01/07/2019
MA	M.A. Punjabi	01/07/2019
LLM	LL.M.	01/07/2019
MA	M.A. Economics	01/07/2019
MA	M.A. Sociology	01/07/2019
MA	M.A. Journalism & Mass Communication	01/07/2019
MCom	M.Com.	01/07/2019
MA	M.A. Psychology	01/07/2019
MLibISC	M. Lib. I. Sc. (Master of Library & Information Sciences)	01/07/2019

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Nutrition and Specialty Foods	01/07/2019	16
Science for society	01/07/2019	25
Protein Chemistry	01/07/2019	21
Introduction to Molecular Docking	01/07/2019	40
Report writing with Latex	01/07/2019	40

Introduction to GPS	01/07/2019	23
Introduction to field accessories for Geosciences	01/07/2019	40
Peace and Value Education	01/07/2019	6
Academic Writing	01/07/2019	30
Data Analysis Using SPSS	01/07/2019	23
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MCom	Financial Administration	6
MSc	M.Sc. Food Sci and Tech	15
MBA	MBA Agribusiness	13
MSc	M.Sc. Life Sciences with specialization in Human Genetics	2
MLibISc	MLISc Master of Library and Information Sciences	6
LLM	Law	3
MA	M.A. Political Science	2
MA	Mass Communication and Media Studies	18
MSc	M.Sc. Life Sciences with specialization in Microbial Sciences	15
MSc	M.Sc. Life Sciences with specialization in Microbial Sciences	26
<a href="#">View File</a>		

### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
The feedback of curriculum was obtained in five specifically designed proforma

from teachers, students, parents, alumni and other stakeholders. The proformas prepared in google forms were sent directly to students through email for obtaining feedback from them and their parents. These forms were sent to Heads of all departments for expediting the process of feedback from students. They also got feedback on the curriculum from potential employers. The links of the proformas were also sent to the Alumni Association for getting feedback from Alumni of the university. Teachers also filled the proformas and sent their feedback on the curriculum of their programme. As per the IQAC calendar, the feedback of the curriculum was collected and analysed. The proformas consisted of 10 to 12 items related to the criterion of feedback of curriculum, few questions were open-ended also. All items in five-point scales were calculated in percentages and graphs were prepared. The responses given in open-ended questions were tabulated separately and analysed programme-wise by Heads of the departments. Feedback from 609 students was received and the same was sent to HoDs for its analysis. Feedback from 67 teachers was received for 389 courses while 408 parents of students from 27 departments gave feedback on the curriculum. The information, thus collected was presented in the quarterly meeting of IQAC. After discussions with the members and their approval, the feedback was sent to Heads of all departments for implementation of suggestions given in the feedback. To ensure that the feedback is considered during development and updating the curriculum for the upcoming session, the feedback was submitted in the curriculum Audit of all programmes. The curriculum Audit is conducted every year after the meetings of curriculum Development committees of all the departments. The committees of curriculum audit are formed for sciences and humanities programmes separately to ensure the implementation of feedback and updating of the curriculum of all the programmes accordingly.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MSc	M.Sc. Life Sciences (Specialization in Human Genetics)	24	2692	17
MSc	M. Sc. Life Sciences (Specialization in Plant Sciences)	30	1952	23
MSc	M.Sc. Life Sciences (Specialization in Microbial Sciences)	18	2209	13
MSc	M.Sc. Life Sciences (Specialization in Biochemistry)	30	2064	26
MSc	M.Sc. Life Sciences (Specialization	30	2640	26

	in Animal Sciences)			
MSc	M.Sc. Life Sciences (Specialization in Molecular Medicine)	24	1315	17
MSc	M.Sc. Life Sciences (Bioinformatics)	18	696	14
MSc	M.Sc. Chemistry	36	4724	29
MSc	M.Sc. Chemistry (Specialization in Applied Chemistry)	24	1991	24
MSc	M.Sc. Chemistry (Computational Chemistry)	15	949	10
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## 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	Nil	679	Nil	138	138

## 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
138	138	55	38	5	11059

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

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

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

MENTORING SYSTEM Mentoring is a collaborative partnership between a Mentor and a Mentee. The one, who possesses greater skills, knowledge and experience is the mentor and who is looking to increase his or her skills, knowledge and experience is a Protégé or mentee. Mentoring is a continuous process of engagement that is most successful when done collaboratively and is a reflective process that requires preparation and dedication. Mentoring relationships can be formal or informal. Formal mentor relationships are usually organized in the institution, Informal mentor relationships usually occur spontaneously and are largely psychosocial and help to enhance the mentee's self-esteem and confidence by providing emotional support and exploring interests. Mentoring can be a powerful growth experience for both the mentor and the mentee. The following steps are

being followed for mentoring the mentees: 1. Building rapport with the mentee 2. Getting acquainted with them 3. Setting direction on the basis of academic, personal, and social needs of the mentee 4. Creating a list of learning activities 5. Planning and managing the required resources 6. Preparing a Timeline for execution 7. Chalking out the mentoring action plan to help the mentee to translate his/her goals into executable and attainable steps and plan to track his/her successes. The important points being followed are: i. to ensure the confidentiality of the information provided by them ii. to acknowledge the difficulty without casting blame on them iii. to express appreciation to start with the process of mentoring, after the assigning of the mentees, planning formal meetings with the mentees once a fortnight during teaching hours at least for one semester. Thereafter informal meetings are planned as per the need of the mentee and a record is maintained for every type of support, guidance, counseling, encouragement, or facilitation. CUPB has a unique system of student mentoring. On the day of orientation, the students are divided into groups of 5-8 and allotted a faculty member as a mentor. In a rather unconventional procedure, an attempt is made to group students of a region together and allot a mentor of the same region. It is believed that this creates a comfort zone for the students in their mentor group and yet there will be plenty of opportunities for them to mix with students from other regions during various activities at CUPB. Students are provided with one opportunity to change the mentor group if they like, and thereafter the group remains with the same mentor until graduation. Contact details of the mentors are provided to the parents and thus mentor is a single point source for the parents to seek all academic, general, or personal information about the student's performance at the CUPB. Parents can also reach the mentor for any emergency. Each year more and more students join the mentor group: the seniors treat freshers as their brother/sister.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
679	138	1:5

## 2.4 – Teacher Profile and Quality

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

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
217	138	85	62	136

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Dr. Sanjeev Kumar	Professor	Research Award, CUPB, University
2019	Dr Somesh Baranwal	Assistant Professor	Faculty Research Award under the category cumulative Impact Factor more than 15 of research publications in the academic year (2017-18) from Central University of Punjab, Bathinda
2019	Dr Vikas Jaitak	Assistant Professor	Research Award, CUPB Bathinda
2020	Dr. A.L.Sharma	Assistant Professor	Best research Award 2018-19, Central University of Punjab
2020	Dr. Abu K.S	Assistant	Emerald South

		Professor	Asia LIS Research Fund Award In recognition of the paper "Status of Library Services in Kendriya Vidyalaya Sangathan (KVS) School in India: A Normative Study".
2020	Dr. Aklank Jain	Associate Professor	Best Researcher Award
2019	Dr. Anil K. Mantha	Associate Professor	Faculty Research Award - 2019 from Central University of Punjab, Bathinda (under the category cumulative Impact Factor more than 15 of research publications in the academic year 2017-18)
2020	Dr. Ashok Kumar	Assistant Professor	Best research Award 2018-19, Central University of Punjab
2019	Dr. Dhanraj Sharma	Assistant Professor	Best Paper Award in International Conference organized by Research Development Association in association with Rajasthan Chamber of Commerce Industry and Jaipur Management Association (Affiliated to AIMA)
2020	Dr. Felix Bast	Associate Professor	Elected as national core committee representative of Biology and Medicine, INSA-INYAS (Indian National Young Academy of Sciences, New Delhi)

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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MSc	MS-LBC-F	1	14/12/2019	19/12/2019
MSc	MS-LAS-F	1	14/12/2019	19/12/2019
MSc	MS-EGS-F	1	14/12/2019	19/12/2019
MSc	MS-GEO-F	1	14/12/2019	19/12/2019
MSc	MS-FST-F	1	14/12/2019	19/12/2019
MSc	MS-EST-F	1	14/12/2019	19/12/2019
MSc	MS-CAC-F	1	14/12/2019	19/12/2019
MSc	MS-CCC-F	1	14/12/2019	19/12/2019
MSc	MS-CHM-F	1	14/12/2019	19/12/2019
MSc	MS-CMC-F	1	14/12/2019	19/12/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	2442	0

## 2.6 – Student Performance and Learning Outcomes

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

[http://www.cup.edu.in/syllabi\\_2019\\_21.php](http://www.cup.edu.in/syllabi_2019_21.php)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
LM-LLM-F	LLM	Law	16	16	100
MH-MPC-F	MPharm	M. Pharm. Pharmaceutical Sciences (Medicinal Chemistry)	14	14	100
MH-MPG-F	MPharm	M. Pharm. Pharmaceutical Sciences (Pharmacognosy and Phytochemistry)	13	13	100
MS-LPS-F	MSc	M. Sc. Life	19	19	100



		Sciences (Specialization in Plant Sciences)			
MA-ECO-F	MA	M.A. Economics	19	19	100
MA-EDU-F	MA	M.A. Education	8	8	100
MA-ENG-F	MA	M.A. English	20	20	100
MA-HIN-F	MA	M.A. Hindi	9	9	100
MA-HIS-F	MA	M.A. History	11	11	100
MA-JMC-F	MA	M.A. Journalism & Mass Communication	18	18	100
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## 2.7 – Student Satisfaction Survey

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

[http://cup.edu.in/igac\\_new/node/36#overlay-context=node/15](http://cup.edu.in/igac_new/node/36#overlay-context=node/15)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. Felix Bast	NAM-Leibniz Fellowship at Leibniz ZMT, Bremen Germany	11/07/2019	CENTRE FOR SCIENCE AND TECHNOLOGY OF THE NON-ALIGNED AND OTHER DEVELOPING COUNTRIES
National	Krishnakanta Mondal	INSPIRE FACULTY FELLOWSHIP	11/02/2019	DST-SERB
National	DR. RAMAKRISHNA WUSIRIKA	DST FISTCUPB Department of Biochemistry and Microbial Sciences	26/06/2019	DST-SERB
National	Dr. Anjana Munshi	SERB- Teacher Associateship for Research Excellence (TARE)	10/12/2019	DST-SERB
National	Dr. Felix Bast	DNA sequence-based molecular	31/01/2020	DST-SERB

		systematics of marine macroalgae from Indian coast		
National	Dr. Virender Singh	Development of New Platform for A3-Coupling and other multicomponent Reactions towards Drug-Like Moleculars using Transition Metal Catalysis	04/05/2020	DST-SERB
National	Dr. Puneet Kumar	To explore the neuroprotective mechanisms of BCG vaccine against animal models of Parkinsons disease, Huntingtons disease and Tardive Dyskinesia	26/10/2020	DST-SERB
National	Dr. Akhank Jain	DST-FIST Programme-2020	18/09/2020	DST-SERB
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
CSIR-JRF	1825	CSIR
UGC-JRF	1825	UGC
Research Associate	1095	ICMR
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### 3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	CSIR, New Delhi (COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)	31.6	11.68
Major Projects	730	ICSSR	7	2.8
Major	730	ICSSR	10	4

Projects				
Major Projects	730	ICSSR	15	6
Major Projects	730	ICSSR	6	2.4
Minor Projects	365	ICSSR	4	1.6
Major Projects	730	ICSSR	6	2.4
Minor Projects	730	Central University of Punjab	37.5	37.5
Major Projects	1095	DST-WOS-A	24.63	8.38
Major Projects	1095	ICMR	15.24	15.24
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### 3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Academics, Innovation and Entrepreneurship: The path from the Idea to Reality	Biochemistry	29/11/2019
Two days Teachers Workshop on Olympiad experiments at School Level to train the teachers	Biochemistry and Microbial Sciences	27/04/2019
Laboratory-Based Innovative Approaches to learn Biotechnology Techniques"	Biochemistry and Microbial Sciences	13/11/2019
Guest Lecture by Prof. Sanjay Chhibber on Rising Antimicrobial Resistance needs to be tackled by Alternate Strategies	Biochemistry and Microbial Sciences	17/02/2020
Career Opportunities and Related Skill Set for HPC	Computational Sciences	15/10/2020
STC on Python Programming	Computer Science and Technology	22/07/2019
Poster presentation competition on Harmful health effect of Junk Food for sensitizing students on Junk Foods	Applied Agriculture	20/11/2019

IPR work shop	Environmental Science and Technology	07/11/2019
Importance of Intellectual Property Management in Academic and Research Institutes	Human Genetics and Molecular Medicine	14/12/2019
Poster making competition to celebrate world IP Day	Human Genetics and Molecular Medicine	27/04/2020
Inter-Departmental Quiz competition on "General Awareness on IPRs	Human Genetics and Molecular Medicine	08/11/2019
An expert lecture by Dr VK.Anand, Former Librarian, Panjab University, Chandigarh on Fundamentals of Library and Information Science Information Sources and Services was organised.	Library and Information Science	01/07/2019
An expert lecture by Prof. Jagtar Singh from Punjabi University, Patiala, on Information literacy was organised	Library and Information Science	01/07/2019
Careers in BBC	Mass Communication and Media Studies	07/02/2019
Writing for Media	Mass Communication and Media Studies	23/02/2019
Practical Aspects of Drone Journalism	Mass Communication and Media Studies	18/05/2019
Workshop and Hands-on Training on High-Performance Thin Layer Chromatography (HPTLC)	Pharmaceutical Sciences and Natural Products	06/12/2019
Two days workshop on Advanced Computer-Aided Drug Design and Computational Biology	Pharmaceutical Sciences and Natural Products	18/12/2019
Indo-European seminar on Nuclear and High Energy Physics	Physical Sciences	07/01/2019
Symposium cum workshop on "Why is the immune system worth studying?" to commemorate "World Immunology Day	Biochemistry and Microbial Sciences	29/04/2019
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### 3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
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TSite-Box India: A unique platform for content dissemination	Dr. Felix Bast	MHRD	04/01/2019	Teaching Innovation
<a href="#">View File</a>				

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NA	NA	NA	NA	Nil
No file uploaded.					

### 3.4 – Research Publications and Awards

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

Name of the Department	Number of PhD's Awarded
Biosciences	4
Comparative Literature	6
Economic Studies	3
Education	1
Environmental Science and Technology	2
Geography and Geology	2
Human Genetics and Molecular Medicine	3
Pharmaceutical Sciences and Natural Products	2
Physical Sciences	1
South and Central Asian Studies	4

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Animal Sciences	30	3.71
International	Applied Agriculture	2	2.79
International	Biochemistry and Microbial Sciences	42	2.98
International	Chemical Sciences	27	3.59
International	Computational Sciences	6	2.74
International	Computer Science and Technology	12	1.43
International	Environmental Science and Technology	63	3.32
International	Geography and Geology	10	1.14
International	Human Genetics	44	2.32

	and Molecular Medicine		
International	Languages and Comparative Literature	6	0.02
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Plant Sciences	3
Physical Sciences	17
Mathematics and Statistics	5
Environmental Science and Technology	2
Economic Studies	1
Computer Science and Technology	6
Computational Sciences	2
Chemical Sciences	1
Animal Sciences	1
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Pyrimidine Bridged Biaryl Derivatives as Multi-Targeting agents for the treatment of neurological disorders	Published	201811008301	13/09/2019
Indazolo (2,3-c) quinazoline based fluorophores and their applications in bioimaging and tagging of drug molecules	Published	201811028230	07/08/2020
Method and system for assigning unique labels to atoms in a chemical Compound	Published	201911018211	24/05/2019
Single Step Process for the Direct Preparation of Aromatic Amines from Aromatic Halides and Azides	Filed	201911006109	06/03/2019
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Path of Silibinin from diet to medicine: A dietary polyphenolic flavonoid having potential anti-cancer therapeutic significance	Tuli H.S., Mittal S., Aggarwal D., Parashar G., Parashar N.C., Upadhyay S.K., Barwal T.S., Jain A., Kaur G., Savla R., Sak K., Kumar M., Varol M., Iqubal A., Sharma A.K.	Seminars in Cancer Biology	2020	14.8	Central University of Punjab	Nil
Recent advances in decarboxylative C-C bond formation using direct or in situ generated alkenyl acids	Kaur P., Kumar V., Kumar R.	Catalysis Reviews - Science and Engineering	2020	14	Central University of Punjab	4
Employability and Earning Differentials Among Technically and Vocationally Trained Youth in India	Kaur P., Kumar V., Kumar R.	Catalysis Reviews - Science and Engineering	2020	14	Central University of Punjab	1
RNAseq-based phylogenetic reconstruction of Taxaceae	Majeed A., Singh A., Choudhary S., Bhardwaj	Cladistics	2019	13.3	Central University of Punjab	2

and Cephalotaxaceae	P.					
CO <sub>2</sub> capture, activation and dissociation on the Ti <sub>2</sub> C surface and Ti <sub>2</sub> C MXene: The role of surface structure	Meena R.A.A., Rajesh Banu J., Yukesh Kannah R., Yogalakshmi K.N., Kumar G.	Bioresource Technology	2020	12.8	Central University of Punjab	3
Natural Basil as Photosensitizer with ZnO Thin Films for Solar Cell Applications	Meena R.A.A., Rajesh Banu J., Yukesh Kannah R., Yogalakshmi K.N., Kumar G.	Bioresource Technology	2020	12.8	Central University of Punjab	1
Electron beam induced synthesis of Ru-rGO and its supercapacitive behavior	Saykar N.G., Phatangare A., Banerjee I., Bhoraskar V.N., Ray A.K., Mahapatra S.K.	2D Materials	2019	12.2	Central University of Punjab	2
Emerging role of ZBTB7A as an oncogenic driver and transcriptional repressor	Gupta S., Singh A.K., Prajapati K.S., Kushwaha P.P., Shuaib M., Kumar S.	Cancer Letters	2020	11.6	Central University of Punjab	Nil
Batch fed single chambered microbial electrolysis cell for the treatment of landfill leachate	Rani G., Nabi Z., Rajesh Banu J., Yogalakshmi K.N.	Renewable Energy	2020	11.2	Central University of Punjab	5
Adsorption, degradation	Rani G., Nabi Z.,	Renewable	2020	11.2	Central University	Nil



ation, and mineralization of emerging pollutants (pharmaceuticals and agrochemicals) by nanostructures: a comprehensive review	Rajesh Banu J., Yogalakshmi K.N.	Energy			of Punjab
<a href="#">View File</a>					

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Role of reactive oxygen species in cancer progression: Molecular mechanisms and recent advancements	Aggarwal V., Tuli H.S., Varol A., Thakral F., Yerer M.B., Sak K., Varol M., Jain A., Khan M.A., Sethi G.	Biomolecules	2019	1	89	Central University of Punjab
Natural products as multidrug resistance modulators in cancer	Kumar A., Jaitak V.	European Journal of Medicinal Chemistry	2019	1	51	Central University of Punjab
SNHG12: An LncRNA as a Potential Therapeutic Target and Biomarker for Human Cancer	Tamang S., Acharya V., Roy D., Sharma R., Aryaa A., Sharma U., Khandelwal A., Prakash H., Vasquez K.M., Jain A.	Frontiers in Oncology	2019	1	29	Central University of Punjab
A panoramic	Kaur S., Bansal Y.,	Bioorganic	2020	1	27	Central University

review of IL-6: Structure, pathophysiological roles and inhibitors	Kumar R., Bansal G.	and Medicinal Chemistry				of Punjab
Molecular mechanisms of action of genistein in cancer: Recent advances	Tuli H.S., Tuorkey M.J., Thakral F., Sak K., Kumar M., Sharma A.K., Sharma U., Jain A., Aggarwal V., Bishayee A.	Frontiers in Pharmacology	2019	1	25	Central University of Punjab
Chitin and chitosan-based support materials for enzyme immobilization and biotechnological applications	Kumar S., Malik S., Biswas A., Y?ld?r?m Y., Alshomrani A.S., Belic M.R.	Optik	2020	1	23	Central University of Punjab
Applications of Fe <sub>3</sub> O <sub>4</sub> @AC nanoparticles for dye removal from simulated wastewater	Joshi S., Garg V.K., Kataria N., Kadirvelu K.	Chemosphere	2019	1	22	Central University of Punjab
Nanosilica: Recent Progress in Synthesis, Functionalization, Biocompatibility, and Biomedical Applications	Singh P., Srivastava S., Singh S.K.	ACS Biomaterials Science and Engineering	2019	1	16	Central University of Punjab
Dipropargyl substi	Kumar B., Kumar	European Journal of	2019	1	15	Central University

tuted diph enylpyrimidines as dual inhibitors of monoamine oxidase and acetyl cholinesterase	V., Prashar V., Saini S., Dwivedi A.R., Bajaj B., Mehta D., Parkash J., Kumar V.	Medicinal Chemistry				of Punjab
Face detection techniques : a review	Kumar A., Kaur A., Kumar M.	Artificial Intelligence Review	2019	1	14	Central University of Punjab

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	40	110	1	14

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### 3.5 – Consultancy

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

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr. Harman Preet S. Kapoor	Socio-Economic based need assessment survey	HPCL Mittal Foundation	40000
Dr. Zameerpal Kaur	Linguistic Consultancy	University of Maryland, US	42220

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

Name of the Consultant(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NIL	NIL	NIL	0	0

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### 3.6 – Extension Activities

#### 3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Help Desk during PhD admissions	NSS	4	16
Help Desk during PG admissions	NSS, CUPB	6	22

Plantation Drive	NSS, CUPB	6	33
Swachhata Pledge	NSS, CUPB	6	55
Plantation Drive	NSS, CUPB	6	44
Cleanliness Drive	NSS, CUPB	6	42
Debate competition on Impact of Swachh Bharat Abhiyan	NSS, CUPB	6	70
Cleanliness Drive	NSS, CUPB	4	55
ID Parade during the celebration of Independence Day	NSS, CUPB	6	40
Plantation Drive	NSS, CUPB	6	58
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Outreach activities	Elected as a Fellow of INSA-INYAS	INSA	50
Conference	Grant received	ICWA	110
Concurrent evaluation of NFSA	Project Award	Government of India Ministry of Consumer Affairs, Food Public Distribution	2
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
NSS	Prof. Monisha Dhiman	swachhata Pakhwada	4	12
Womens Day March 2020	Prof. Monisha Dhiman	Womens Day March 2020	3	6
Unnat Bharat	NSS	Tree Plantation	7	30
Swaccha Bharat Abhiyan	NSS, CUPB	Fit India (Jogging march) on Annual Day	4	12
Ek Bharat Shresth Bharat	Education, CUPB	Regional dance of Ladakh (India)	1	1
Youth Parliament	Organised under the aegis	15th National Youth	1	1

competition	of the Ministry of Parliamentary Affairs	Parliament competition		
Swachch Bharat Abhiyan I	NSS Central University of Punjab Bathinda	Cleaning activity in the CUPB	1	21
Swachch Bharat Abhiyan II	NSS Central University of Punjab Bathinda	Cleaning activity in the CUPB	5	21
Gender Issue	Central University of Punjab	Poster presentation	1	4
Swach Bharat	Central University of Punjab	Swachta Pakhwara	4	1
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### 3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research Collaboration	Dr. Shashank Kumar (CUP Bathinda) & Dr. Sanjay Gupta Department of Urology, Case Western Reserve University, Cleveland, United States	Department of Urology, Case Western Reserve University, Cleveland, United States	365
Research Collaboration	Dr. Malkhey Verma (CUP Bathinda) & Dr. Philip J Day (University of Manchester UK)	University of Manchester UK	365
Student Exchange Program	Mr. Vikas Prashar	SERB, DST Project	180
Research Collaboration	Dr. Ramakrishna Wusirika (CUP Bathinda) & Dr. Pramod Ramteke (Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad)	Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad	365
Research Collaboration	Dr. Malkhey Verma (CUP Bathinda) & Dr. Hans Westerhoff (University of Manchester UK)	University of Manchester, BBSRC UK	365

Collaborative research activities	Prof.S.K.Bawa & Saranya	KMUTT, Bangkok	60
Faculty Exchange from KMUTT, Bangkok	Jariya, Saranya	KMUTT, Bangkok	4
Student Exchange	Igona & Richa	UGC	4
Collaborative Research with MTU USA	Dr. Ashok Kumar	MTU USA	60
Research Collaboration	Dr. Manju Jain (CUP Bathinda) & Dr. Hemant R. Kushwaha, School of Biotechnology, JNU, New Delhi	School of Biotechnology, JNU, New Delhi	365
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Training of Students	INTERNSHIP 2	Regional Centre Punjabi University, Patiala, Bathinda Guru Kashi University, Talwandi Sabo, Bathinda	17/01/2019	13/02/2019	8
Training on Action Research	Action Research	School teachers of Punjab	30/04/2019	01/05/2019	20
Internship	Industry-Academia Partensrship	News18, Dainik Jagran, India Today, Malyalam Manorma	15/05/2019	15/06/2019	8
Interships and Jobs	Internshala	All AICTE approved Institutes	14/11/2019	14/11/2019	Students
Project grant	PhD research fellowship	Bristol Myers Squibb, USA and Central University of Punjab	01/06/2019	01/07/2019	Dr. Raj Kumar and Sahil Arora

DEPARTMENT OF THERAPEUTIC RADIOLOGY AND ONCOLOGY, UNIVERSITY OF INNSBRUCK, INNSBRUCK, AUSTRIA	DST grant	DEPARTMENT OF THERAPEUTIC RADIOLOGY AND ONCOLOGY, UNIVERSITY OF INNSBRUCK, INNSBRUCK, AUSTRIA with Central University of Punjab	05/05/2019	07/06/2019	Dr. Vinod and Bhupinder
Internship	Summer Internship	Bihar State Minority Financial Corporation Ltd., JK Bank, Aditya Birla Sunlife Insurance, Ampstell Engineering Solutions Ltd., PFA Co. (CA Firm) and Groom4more	15/12/2019	31/12/2019	Students
Summer Training/internship	Industrial Attachment	AGRICULTURE BASED INDUSTRY	01/06/2019	15/07/2019	STUDENTS
Emerald South Asia LIS Research Fund Award In recognition of the paper "Status of Library Services in Kendriya Vidyalaya Sangathan (KVS) School in India: A Normative Study".	Emerald South Asia LIS Research Fund Award In recognition of the paper "Status of Library Services in Kendriya Vidyalaya Sangathan (KVS) School in India: A Normative Study".	Emerald South Asia LIS Research Fund Award In recognition of the paper "Status of Library Services in Kendriya Vidyalaya Sangathan (KVS) School in India: A Normative Study".	01/02/2020	01/07/2020	Dr Abu K S
PhD fellowship support	53803645 - CUP PhD Fellowship	Bristol Myers Squibb, USA	10/06/2019	09/06/2020	Dr. Ra Kumar and Sahil Arora

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
BEST of Bathinda	04/12/2020	RP Bambha Award	4
TRANSASIA BIO-MEDICALS LIMITED	09/12/2020	Process development	1
School of Life Sciences, JNU, New Delhi	15/12/2020	Research activities	1
School of Life Sciences, SNU, Noida	15/12/2020	Research activities	1
Department of Zoology, BHU, UP	22/07/2019	Research activities	2
Department of Biochemistry, Prayagraj, UP	22/07/2019	Research activities	2
SVNIT, Surat, Gujarat	17/07/2019	Research activities	2
KMUTT, Bangkok	16/03/2020	Joint research collaborations and internationalisation of curriculum	17

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#### CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

##### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
720	9073.91

4.1.2 – Details of augmentation in infrastructure facilities during the year

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



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## 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SLIM21	Fully	3.6.0	2011

### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	41765	18223984	3635	3264029	45400	21488013
e-Books	2922	3020990	Nil	Nil	2922	3020990
Journals	65	378800	Nil	210298	65	589098
e-Journals	7413	2775149	148	1427904	7561	4203053
CD & Video	473	Nil	7	Nil	480	Nil
Library Automation	1	81125	Nil	Nil	1	81125

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Prof. Vinod Kumar Garg	Solid and Hazardous Waste Management	Swayam	15/07/2019
Dr. Felix Bast	Biostatistics and Mathematical Biology	Swayam	15/07/2019
Dr. Felix Bast	Biostatistics and Mathematical Biology	Swayam	13/01/2020
Prof. Vinod Kumar Garg	Solid and hazardous Waste Management	Swayam	13/01/2020
Dr. Nagendra Babu	Acid-Base titration	e-pg-paathshala	23/03/2019
Dr. Dhanya M.S.	Anaerobic digestion and Biogas production	e-pg-paathshala	06/01/2019
Dr R.K. Chaitanya	Animal Diversity: Origin and Classification	e-pg-paathshala	05/02/2019
Prof.S.K.Bawa	Module on Triangulation	SWAYAM	11/01/2019

Dr Shiva Shukla	Role of teacher in different learning environment settings based on cognitive abilities and affective domain and their implications for catering to individual variations in view of difference rather than deficit	School of Education, CCRPED	11/04/2019
Dr. Dhanya M.S.	Sun as a source of energy	e-pg-paathshala	15/11/2019
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#### 4.3 – IT Infrastructure

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

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	733	257	733	135	145	92	239	2	38
Added	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>733</b>	<b>257</b>	<b>733</b>	<b>135</b>	<b>145</b>	<b>92</b>	<b>239</b>	<b>2</b>	<b>38</b>

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

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

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Computer Centre	<a href="http://cup.edu.in/computing_support.php">http://cup.edu.in/computing_support.php</a>
Library	<a href="http://cup.edu.in/library.php">http://cup.edu.in/library.php</a>

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
132	112.68	2929.87	1317.93

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

Laboratory- The University has a manual of good lab practices and the SOP of all types of equipment have been placed in the laboratories. Lab audit is
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conducted every year and action taken report is submitted to IQAC. The basic instruments like Quartz Double Distillation Units, BOD Incubators, Ovens, Refrigerated Centrifuge, Micro-centrifuge, Refrigerators, Deep Freezers, Spectrophotometers, Light Microscopes are available in these dust-free air-conditioned laboratories. The sophisticated instrument laboratory has an advanced light microscope with a digital imaging system, the latest next-generation FSX 100 microscope for fluorescence microscopy, Gradient Thermal cyclers, Real-Time PCR, Electrophoresis units, etc. Library: University Library is equipped with Radio Frequency Identification (RFID) and Electro Magnetic Security System (EMSS) providing an automated self-service facility for the users and high-end security. It is also equipped with an advanced Online Public Access Catalog (OPAC) and modern reprographic facilities. The library collection consists of Books, Reference Books, Text Books, Print Journals, Newspapers, M.Phil Dissertations, E-Journals Databases, CD ROM/DVDs. The University Library is fully automated with Library Management Software SLIM21 which functions from cataloguing to security protocols are integrated. The acquisition, cataloguing, circulation, serials controlling, catalogue access and security protocols come under the purview of automation. Sports: We have sports grounds and we follow the sports policy for providing all types of facilities to the students. The Division of Sports promote students participation in a variety of physical and athletic activities and give the student the opportunity to engage in the sport of their choice at various skill levels. This contributes in the development of leadership, communication and administrative skills among students. Understanding of basic procedures and awareness of pertinent policies, rules and regulations assist them in simplifying the administrative process. Computers: We have a computer centre having the capacity to accommodate 180 students. It remains open till 5 pm to facilitate the learning of students. Computer Centre is the central place for campus-wide networking and Wireless Internet connectivity across the Campus. Backbone connectivity initiates from Computer Centre and caters to more than 1000 nodes both physical and wireless connection across the campus. Computer Centre has two leased line 1Gbps NKN (National Knowledge Network) and 200 MBPS (BSNL (1:1)) Bandwidth and further distribute among to all Admin Block, Academic Block and Hostels. Classrooms are equipped with projectors and comfortable chairs. We have five smart classrooms having interactive boards, portable screens, a digital podium, digital notice boards etc. Seminar Room: The air-conditioned seminar hall in the academic block has a seating capacity of 95 which is wi-fi enabled, equipped with life the recording has a multimedia projector and CCTV cameras which facilitate the presentations made by invited academicians, experts, faculty and the students. Day Care Centre: Central University of Punjab Day Care Centre (CUPB-DCC) for the children of teachers, officers, nonteaching staff, research scholars and regular full-time students of Central University of Punjab is functional since 1st Feb 2013. The main objective of the Day Care Centre is to provide the staff with the facility of rearing their children under good care.

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## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Financial support and earn while you learn scheme	161	197690
Financial Support from Other Sources			

a) National	NSP portal	238	0
b) International	00	Nil	0
<a href="#">View File</a>			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Mentoring	20/08/2019	749	CUP
Bioinformatics and Chemical Biology Webinar Series	13/11/2020	60	Deptt of Computational Sciences
A Webinar on Career Opportunities and Related Skill Set for HPC	15/10/2020	39	Deptt of Computational Sciences
Molecular Modeling and Design, Bioinformatics	03/03/2020	40	Deptt of Computer Science and technology
Data Sciences	12/12/2019	51	AICTE New Delhi
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	Career guidance	5	5	5	3
2020	GPAT	5	5	5	15
2020	GPAT-2020	1	1	1	Nil
2020	UGC net classes	46	Nil	19	5
2019	CSIR, UGC	25	10	5	4
2019	DEC	11	6	11	6
<a href="#">View File</a>					

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

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

## 5.2 – Student Progression

## 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
NIL	Nil	Nil	None	Nil	112
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	M.Sc. FST	Applied Agriculture	Institute of Agri-Business Management, Rajasthan	Ph.D.
2020	1	M.B.A. (Agribusiness)	Applied Agriculture	Canadore College of Applied Arts and Technology, Canada	Supply Chain Management
2020	2	M.A. Punjabi	Punjabi	Punjabi University, Patiala	M.Phil. Punjabi
2020	1	M.Pharm.	Pharmaceutical Sciences and Natural Products	Andhra University	Ph.D.
2020	1	M.Pharm.	Pharmaceutical Sciences and Natural Products	Central University of Punjab, Bathinda	Ph.D.
2020	2	M.Pharm.	Pharmaceutical Sciences and Natural Products	Banaras Hindu University	Ph.D.
2020	4	M. A. Geography	Geography	JNU, Delhi	Ph.D.
2020	2	M. A. Geography	Geography	Central University of Punjab	Ph.D.
2020	3	M.Sc life Sciences (sp. in Animal Sciences)	Zoology	INST, Mohali	Ph.D.

2020	1	M.Sc life Sciences (sp. in Animal Sciences)	Zoology	NIMR, Delhi	Ph.D.
<a href="#">View File</a>					

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

Items	Number of students selected/ qualifying
NET	106
GATE	83
SET	2
Any Other	73
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
National Sports Day and Fit India Movement	University	50
North zone interuniversity cricket tournament	National	16
North zone inter university football tournament	National	18
Group Song Dance	University	91
Best out of Waste	University	54
15th National Youth Parliament Competition, 2019 under the aegis of Ministry of Parliamentary Affairs, Government of India	National	55
Rangoli Competition	University	75
Solo Dance	University	5
Solo Song	University	16
THEME BASED CHOREOGRAPHY	University	82
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	National Championsh	National	Nil	1	Nil	Ms. Sheetal

ip Trophy

Dubey Ms.  
Kanika  
Bhutani  
Mr. Donn  
George Ms.  
Ms. Pallvi  
Bedi Ms.  
Anusha  
Pawar Mr.  
Sreenath  
Ms.  
Aishwarya  
Dhiman

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

The Central University of Punjab has its student's council as stipulated under the Central Universities Act, 2019. Every year student council in accordance with the norms and guidelines laid down in the Act is selected. One student from each department is selected from the 1st Semester on the basis of their highest CUCET score and one student is selected from the 2nd year of the PG programme on the basis of their merit at CUP in 1st year. In addition to these, one student pursuing the doctoral programme from each department is selected on the basis of their performance in academic and co-curricular activities. One student from each department is elected in the election held in the department in the presence of HoD and respective faculty members. Apart from the above, A total of 06 students representing NSS, Sports, Extracurricular and cultural activities are nominated. Eligibility conditions as laid down in the Act are as under: To represent a master degree, the student may be less than 25 years of age. For PhD students, the maximum age limit is 28 years. No backlog in academic or arrear in the mess, sports or library or facing any inquiry or disciplinary proceeding or any criminal proceeding. 75 attendance and only one opportunity to contest for nomination or election. The student council has been constituted for the year of 2016-17, 2017-18, 2018-19 and 2019-20 vide notification number CUPB/CC/16/RO-69/272 dated 8 Nov. 2016, CUPB/RO/Estab./2017/RO-69/571 dated 15 Nov. 2017, CUPB/CC/RO-69/2018/Notification/964 dated 27 Nov. 2018, CUPB/CC/RO-69/2019/Notification 1339 dated 07 Nov. 2019. The council has been proactively contributing in running cooperative messes, organizing periodic sports activities, blood donation camps, co-curricular and extra-curricular activities and passionately participating in Ek Bharat Shrestha Bharat and National Youth Parliament Competition

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, the association was registered on 13th April 2018 under the societies registration act 1860 and the Punjab amendment act 1957. Aims and Objectives of the Association are to i. establish a link with the CUP alumni and enrol them as members ii. establish liaison between Central University of Punjab Alumni Association (CUPAA) and similar other associations at the universities in the country and abroad iii. raise various endowment funds and award stipends out of it to the deserving students on need-cum-merit basis iv. institute and disburse scholarships, fellowships, medals, awards, etc. to the meritorious students of the university out of the corpus of the Association v. impart identity to its

members by issuing them with photo-identity cards vi. seek donations from alumni and potential donors for promoting various righteous activities of the Association vii. suggest ways and means for the participation of the Association in the working of the University viii. arrange a get together of the alumni and social/cultural functions of the alumni ix. send birthday greeting cards to its members to impart personal touch and interaction with them x. honour distinguished alumni of CUP, who have brought national/global acclaim in their respective domains. (65 students are registered with the alumni association and more than 20 lacs corpus fund has been generated by the association.

5.4.2 – No. of registered Alumni:

965

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

402400

5.4.4 – Meetings/activities organized by Alumni Association :

3rd Alumni Meet was organized on 28th February 2020

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

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

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

1. Decentralisation of Examination system: Due to Covid19, the examination and evaluation system of the university was decentralised. The Heads of the departments were given the responsibility of preparing the date sheet for their programmes and the courses offered by their department. All practical exams were conducted by the individual teachers for the courses they were teaching. The evaluation sheets were collected and verified by HoDs and submitted to the examination branch for further compilation of results. The teachers of the university played an active role in organising all academic activities for the courses they were teaching. It may be conducting an internship, field training, MSTs, ESTs, surprise tests, term papers etc. All examinations were conducted online. The research guidance was also provided online except in the fourth semester, in which students were helped to conduct experiments in their labs. All teachers were given the training to use the Learning management system to provide all academic support to the students. 2.The admissions process involves committees at two levels Department Admissions Committee is actively involved in document verification as well as shortlisting the eligible candidates as per prevailing rules. The Central Admissions Committee is involved in active coordination with Central Universities Common Entrance Test and with Departments for smooth conduct of admission process and subsequent follow up. In Curriculum Development Committee, one may witness the participation of students for constructive inputs in the Board of Studies, the industry participation is involved and in the Academic and Administrative Committee, the participation of all faculty members of the department is ensured.

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

Partial

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

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

Strategy Type	Details
---------------	---------



Industry Interaction / Collaboration	<p>Industry experts are invited to the Board of Studies and the School Boards to obtain their input in curriculum design and deciding course content.</p> <p>MOUs are also signed with the university for research collaborations and industry experts are invited to deliver special lectures.</p>
Teaching and Learning	<p>Teaching and Learning: The faculty started using digital platforms for the teaching-learning process like Google Meet, Google Classroom, Microsoft Teams, Jamboard, Edmodo, etc and digital evaluation techniques were also used for evaluation of surprise tests, MCQs through google forms and other evaluation tools. The university has a Learning Management System to provide support to students and to make the teaching-learning process more effective. Efforts are made to make the teaching Learning process experiential through projects, case studies, field visits and internship.</p>
Examination and Evaluation	<p>Examination and Evaluation: The continuous examination system is followed in the university. The total evaluation is done into two parts i.e an objective and subjective system of evaluation. 25 per cent marks are allocated for surprise tests, term papers and assignments, 25 per cent for Mid-semester Test and 25 per cent for end term subjective type-examination whereas 25 per cent marks are for end term objective evaluation.</p>
Research and Development	<p>Research and development: The university promotes high-quality research by offering awards to the teachers and research scholars who published their research findings in high impact factor journals. The research facilities have been provided to all faculty members like labs with state of the art infrastructure, databases, Library support, and they have projects from external funding agencies. The university also provides research seed money to support the newly appointed teachers. An Internal and external research audit of all the departments and teachers is conducted every year to good quality research output.</p>
Human Resource Management	<p>Human resource management: The university has 138 full-time teachers</p>

and 92 non-teaching staff. For improving the quality of the human resource of the university, separate training programmes were organised for teaching and non-teaching staff. even Fire safety training, training for managing problems of elevators are provided to the staff and students. Deans and HoDs have also been provided training to handle their responsibilities effectively.

Library, ICT and Physical Infrastructure / Instrumentation

Circulation and Web OPAC The Library provides circulation services to the user community through the innovative automated self-check-in and check-out facility. The Web OPAC facilitated the library users to search and browse all the library resources 24/7. Also, library users can renew online the borrowed books and reserve new books. URL (<http://cupserver4/w27/>) CUPB Knowledge Repository The Knowledge Repository is capable to collect, organise and preserve the scholarly resources produced by the faculty members and scholars. The repository would enhance the visibility to the research output of the university. The Library archived 700 documents from the faculty members, scholars and students. The repository contains diverse resources, which includes journal articles, book chapters, conference paper, presentation, etc. URL (<http://kr.cup.edu.in>) Off Campus Access The Off-Campus Access service is provided to the faculty members, scholars and students to seamlessly access the subscribed scholarly electronic resources from outside the University campus in addition to oncampus access. Username and password have been provided to all the faculty members and scholars to access the resources 24/7. URL (<https://idp.cup.edu.in>) CUPB: Research Information Network System The Library has initiated the research information management service called CUPB-Scholars Profiles using the Indian Research Information Network System(IRINS). The CUPB-Scholars Profile is the platform to collect the scholarly communication activities of the faculty member and showcase to the academic community. The Scholars Profile connect the scholars with similar interest, bring more visibility to the research work and

	create a scholarly network. URL ( <a href="http://cup.irins.org">http://cup.irins.org</a> )
Curriculum Development	The university has 42 programmes and all programmes are learning outcome-based. Course learning outcomes have also been matched with the content being taught. The transactional modes are modified keeping in mind the present need for digital tools of teaching and learning. To improve the quality of the curriculum, a curriculum audit is conducted for all programmes every year before it is submitted to the Board of Studies for approval. The curriculum of Central University is improved/modified and updated every year. It includes interdisciplinary and multidisciplinary and value-added courses. Local/national/regional and global relevance is identified every year. Flexibility in selecting discipline electives by offering a good number of courses is given. The course structure ensures the guidelines of the CBCS system. It offers a variety of types of courses being offered. No. of hours for each unit are well distributed as per norms of UGC. References are updated every year.
Admission of Students	The university participates in the CUCET examination, which is a centralised admission procedure and students are admitted at the national level through all India competitive examination. To ensure quality admission of students, this centralised system gives opportunity to students of different states to get selected on merit and take admission in our university.

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

E-governance area	Details
Administration	The university contacted Delhi University and started training our staff for e-governance. Under Samarth project different modules covered are administration, Finance, file management, RTI, Recruitment, Admission, meetings, planning etc. Besides, the Learning management system is also being actively used by teachers and students.
Finance and Accounts	The Finance Office of the central university of Punjab has been taking various initiatives in the use of IT in

routine functioning. TALLY ERP is used to maintain the accounting record, Information dissemination through tally has been started. Before every payment, the vendor and indentor are informed regarding the payment. PFMS EAT module has also been implemented along with the TSA regime. University receives its student fee entirely through digital mode. Finance Office has developed an indigenously financial management system for budget booking to keep financial control over more than 200 research projects. Samarth portal module has been successfully implemented for salary processing. Samarth module related to salary has been implemented by Finance Office. This module enables employees to check their salary details through individual logins. It is being integrated with the PFMS module and the data generated through Samarth is used for payments in TSA mode. We are also working on preparing Form 16 through this portal.

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
<b>No Data Entered/Not Applicable !!!</b>				
No file uploaded.				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Workshop on Pedagog ical Challenges in Teaching Social Sciences	NIL	02/12/2019	06/12/2019	30	Nil
2019	Two Week National I nterdiscip	NIL	02/09/2019	13/09/2019	16	Nil

	linary Workshop on 'Environment Management' under PMMMMNMTT scheme					
2020	Workshop on Learning Outcomes for faculty	NIL	24/01/2020	24/01/2020	50	4
2019	Faculty Induction Programme	NIL	04/06/2019	03/07/2019	39	Nil
2019	Faculty Induction Programme	NIL	13/06/2019	12/07/2019	38	Nil
2019	National Workshop on Curriculum Design and Development	NIL	09/07/2019	18/07/2019	20	Nil
2020	National Workshop on Curriculum Design and Development	NIL	15/06/2020	24/06/2020	60	Nil
2020	National Workshop on Curriculum Design and Development	NIL	21/07/2020	31/07/2020	103	Nil

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Malaria control strategies : Drug design and vaccine development	1	05/08/2019	17/08/2019	13

Media Workshop Challenges before Media and Responsibility to wards society-	1	05/08/2019	05/08/2019	1
Gendering Innovation : Women Innovators in the Rural Livelihood Strategies of Punjab	1	05/08/2019	07/08/2019	3
Short term course in Python Python programming by NITTTR chandigarh	9	22/07/2019	26/07/2019	5
National Workshop Curriculum Design and Development	1	09/07/2019	18/07/2019	10
Cambrige CELT A(certIFICATE in the teaching of english to speakers of of other languages)-	1	01/07/2019	19/07/2019	19
Project entitle : An Economic Evaluation of Externalities of pesticides use in the Malwa Region of the Punjab	1	14/06/2019	19/06/2019	6
Faculty Induction programme under PMMMMNTT	1	04/06/2019	03/07/2019	30
Advance Networking Modling and optimization Techniques	1	03/06/2019	08/06/2019	6
National Inter	3	02/02/2019	13/02/2019	12

disciplinary  
workshop

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
129	138	89	89

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
NIL	NIL	NIL

## 6.4 – Financial Management and Resource Mobilization

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

The internal Audit Officer is entrusted with the responsibility of pre-audit of all financial transactions. For external audit, In the first phase, the books of accounts are examined by a chartered accountant (hired as a financial consultant). Based on such inputs, the final statements of accounts are prepared in the prescribed format. These final accounts after approval from Finance Committee and Executive Council, are submitted to the Indian Audit and Accounts Department for audit under the administrative control of C A G of India. Finally, Auditor Report and Audit Certificate so received is submitted to the Ministry of Higher Education for further approval from both houses of parliament. Healthy communication is developed with Audit Teams. Regular interaction is maintained and maximum Ease-in-Audit is provided. Planning of the work is customized before the visit of the Audit Team for a smooth audit. Visits of various offices to Audit Teams are planned. All concerned in the University are informed about the audit to be prepared with the required documents / records. Every minute details are provided as available whenever is asked by the Audit Team. Disclosures in the Balance Sheet are kept maximum. Previous observations of the Audit teams are noted and worked upon to avoid redundancy. All records, reports, data is fairly presented as per the needs of the Audit Team. Understanding the schedule of the Audit Teams, required records are provided in minimum time and timelines are followed strictly and a professional approach is set on front. Expectations and targets of Audit Team are understood and every possible help is extended for a smooth audit.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Student Aid Fund from various vendors	37055	for student welfare

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6.4.3 – Total corpus fund generated

401200

## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority

Academic	Yes	External Experts	Yes	Committees constituted by the Competent Authority
Administrative	Yes	External Experts	Yes	Committees constituted by the Competent Authority

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

NA

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

The university does not have a Parent-Teacher association but gets support from parents for feedback on the curriculum. A proforma is sent to the parents online and information, thus collected is analysed to know their expectations/needs about the curriculum. Parents also provide support in the digital teaching-learning process.

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

1. Training programme in Fire safety 2. Training Programme in Lift management

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

1. Reform in Curriculum Development 2. Best Practices for quality benchmarking  
3. Digital initiatives in Teaching Learning Process

6.5.6 – Internal Quality Assurance System Details

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

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Lecture on International Womens Day	07/03/2020	07/03/2020	07/03/2020	65
2020	Online workshop for Learning Outcomes	18/02/2020	24/01/2020	24/01/2020	50
2019	Lecture on Time Management	26/04/2019	08/02/2019	08/02/2019	40
2019	Workshop on Program Learning Outcomes and Course Learning Outcomes	26/04/2019	08/01/2019	08/01/2019	47



2019	Internal Administrative Audit	26/04/2019	21/01/2019	25/01/2019	100
2019	Curriculum Audit	26/04/2019	01/02/2019	11/02/2019	800
2019	Internal Academic Audit	26/04/2019	11/02/2019	19/02/2019	150
2019	External Administrative Audit	26/04/2019	06/03/2019	07/03/2019	100
2019	External Academic Audit	26/04/2019	23/04/2019	24/04/2019	150
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Door to door campaign about gender discrimination	21/02/2019	21/02/2019	21	16
Interaction with Prof. Nancy D. Erbe, California State University, Fulbright-Nehru Fellow, Specialist in Conflict Resolution and Peace in Asia: Issues and Challenges	08/03/2019	08/03/2019	13	32
Beti Bachao Beti Padhao	21/03/2019	21/03/2019	22	19
Beti Bachao Beti Padhao	28/03/2019	28/03/2019	19	17
Beti Bachao Beti Padhao	28/03/2019	28/03/2019	21	17
Seminar on International Women's Day	07/03/2020	07/03/2020	32	61

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

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

The university makes every effort to conserve energy and as per directions of UGC, use of LED based lights and 3 or higher star-rated electrical appliances was made compulsory to save electricity. The city campus had 50 solar based LED street lights with sensor facility. The hostels were having Solar water heaters (10 in number) and 3000 litre capacity. All refrigerators purchased are based on CFC free technology. To promote alternate sources of energy, Solar Photovoltaic (SPV) plant of 3.6 KW capacity was operational in the city campus. The electricity generated from these plants was used for lighting a part of the academic block. Two windmills, having a total capacity of 6.8 KW were also installed in the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	Nil
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	19/10/2019	1	Plog Run/Jogging and collection of Single use Plastic (started from TV tower, BTI and end at Dadi poti park , Phase-III, Mode Town	3	35
2019	1	1	01/11/2019	1	Vigilance Awareness Week	1	16
2019	1	1	02/11/2019	1	Awareness Walk on Vigilance Awareness	1	31

					Week and distribution of Pamphlets at Civil Hospital and Market Hazzi Rattan ,Bathinda		
2020	1	1	11/04/2020	1	NSS volunteers disseminated knowledge and educated the nearby peoples in their respective villages without violating the social distancing norms.	1	10
2020	1	1	20/05/2020	1	Awareness to praise the front line/ healthcare workers	1	30

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

Title	Date of publication	Follow up(max 100 words)
Code of conduct for Teachers	01/07/2019	Code of conduct for teachers consists of 10 dimensions, like conduct, evaluation, publication, professional ethics, relationship with students, colleagues, guardians, non-teaching staff, authority, etc. which is given to the faculty at the time of appointment so that the faculty understands the ethics to be followed

		from the day one only.
Code of conduct for students	01/07/2019	Code of conduct for students has been prepared and approved by council, which covers: how the students should represent, academic honesty, respect for university rules and regulations, respect for open exchange of ideas, general conduct and conduct in the classroom and the ethics for research.
Code of conduct for Non teaching staff	01/07/2019	The code of conduct for Non-teaching employees consists of 21 statements. They have to follow these ethics for which they are made aware at the time of appointment and have to submit signed copy of ethics.

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

Activity	Duration From	Duration To	Number of participants
National Voters Day	25/01/2019	25/01/2019	120
National Unity Day	31/10/2019	31/10/2019	160
"Let's Walk Talk for Healthy Heart" on World Heart Day	27/09/2019	27/09/2019	60
NSS Day	27/09/2019	27/09/2019	160
National Sports Day	29/08/2019	29/08/2019	200
International Yoga Day	13/06/2019	20/06/2019	22
Vigilance Awareness Week-2019	28/10/2019	02/11/2019	54
Constitution Day 2020	26/11/2020	26/11/2020	125

[View File](#)

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

The green audit of the campus was carried out with the main objectives to monitor the green practices followed in the University towards achieving environmental sustainability. The methodology of the audit includes: preparation and filling up of questionnaire, physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations. It works on the several facets of

'Green Campus' including Water Conservation, Tree Plantation, Waste Management, Paperless Work, Alternative Energy and Mapping of Biodiversity. This report was focused mainly on the following topics ? Water Management ? Energy management ? Waste Management ? Green Plantations Besides, the university conducts different types of environment/eco-friendly audits like: 1. Green audit, 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards like GRIHA 5-Star rated campus award has been conferred to the university.

## 7.2 – Best Practices

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

The university has two Best Practices that are being rigorously followed. 1. Curriculum Design and Development 2. Community Participation Curriculum Design and development: The university has adopted the Choice Based Curriculum System (CBCS) since 2015-16 focusing on outcome-based education. The interdisciplinary/ multidisciplinary courses of local/national/regional/global relevance are being offered in most of the programmes. The curriculum has been designed to cater to the local/national/regional/global developmental needs. To identify the needs, feedback from the stakeholders like students, parents, employers, teachers and alumni is sought through interaction, field study, expert opinions, industry-academia interface meetings, and the alumni feedback and analysed. Every year the curriculum of most of the programmes is revised, the average revision of courses is 78. The courses on Human Values and Professional Ethics, Gender Studies, Issues of Environment and Sustainability, and some Value-Added Courses for Imparting Transferable and Life Skills are also being offered. The university has 42 programmes and all programmes are learning outcome-based. Course learning outcomes have also been matched with the content being taught. The transactional modes are modified keeping in mind the present need for digital tools of teaching and learning. A curriculum audit is conducted for all programmes every year before it is submitted to the Board of Studies for approval. The curriculum of Central University has the following characteristics: 1. It is updated every year. 2. It includes interdisciplinary and multidisciplinary and value-added courses. 3. Local/national/regional and global relevance is identified every year. 4. Flexibility in selecting discipline electives by offering a good number of courses is given. 5. The course structure ensures the guidelines of the CBCS system. 6. It offers a variety in offering types of courses. 7. No. of hours for each unit are well distributed as per norms of UGC. 8. References are updated every year. Community Participation To achieve the mission of the Central University of Punjab, to actively participate in the development of the community, it adopted Jhumba, Ghudda, Baho-Yatri, Mann, Badal village and also started working in nearby villages such as Naruana, Nandgarh, Katar Singh Wala, and Jassi Pau Wali. As Malwa belt of Punjab forms the core of cancer hot spot in the state. Apart from cancer various other diseases like kidney failure, infertility, hypertension and diabetes etc. are also common in the region. Various factors like poverty, low literacy rate, malnutrition, inadequate access to potable water, lack of personal hygiene and sanitation make them more vulnerable to diseases further due to lack of health services and awareness, these diseases remain untreated. The Central University of Punjab committed to spreading awareness among the masses and is promoting environmental and health awareness in rural areas specifically in the adopted and nearby villages. The university under the aegis of Unnat Bharat Abhiyaan, Community Development Cell (CDC), and NSS organize awareness camps in these villages for Gender equality (Beti Bachao Beti Padhao), Drug De-Addiction, Swachh Bharat Abhiyaan and Road Safety. Door to door surveys is also conducted to unearth the major issues and challenges faced by the local people to maintain a good quality of life and assess their knowledge about those issues. Questionnaire-based survey on various issues such as Water harvesting, single-use plastic, Nutrition and

malnutrition (Poshan Abhiyaan) are conducted to sensitize the villagers to save water and the environment from the harmful impacts of plastic use and the biodegradable and non-biodegradable waste and its segregation based on the utilities. To spread the importance of cleanliness of surroundings, and environmental conservation, the university organizes plantation drives, cleanliness drives/rallies (Plogging: plastics collection and jogging). Many innovative activities such as Chhabeel (Sweet water distribution) to spread awareness and information about stubble burning and air pollution have also been conducted on main roads the city. The CDC of the university conducts free health camps where routine biochemical screening for heart function, kidney function, liver function and lipid profile is regularly conducted along with the other vitals (blood pressure, blood sugar and BMI) which can be used as early indicators of various chronic diseases. Besides, CDC has procured Fecal Immunochemical Test (FIT) kits from the USA which detects elevated globin (the most predictive biomarker of colon and rectal cancer, diverticulitis, colitis, inflammatory bowel diseases etc), about 800 kits have been used in these villages. The department of Environment Science and Technology assists and provides services to analyze soil quality and test groundwater and surface water for irrigation and human consumption (parameters like TDS, pH, conductivity, TSS, hardness, alkalinity, sodium potassium fluoride, heavy metals e.g. copper, zinc, lead and arsenic, cadmium, chromium and uranium etc. are tested free of cost). Awareness camps and interactive sessions are conducted to introduce innovative technologies in agriculture and to motivate the villagers towards sustainable agricultural practices. Faculty from various departments (Education, Botany, Human Genetics and Molecular Medicine, Biochemistry, Microbiology Sociology, Economics, Computer Science and Technology and Zoology) are involved in service-learning programs where lectures, seminars, workshops in schools and colleges are conducted to create awareness about personal hygiene, social issues, health issues (Polycystic ovary syndrome), along with free coaching for digital learning and career prospects. The university is committed to nurture and encourage the scientific temperament among young minds. The Rashtriya Avishkaar Abhiyaan scheme/Tinkering lab of the university is encouraging and igniting young minds to develop their interest in maths and science. Under this scheme students from various local schools and colleges from Bathinda visit the university see the world-class facilities and laboratories in their city. Hands-on workshops and experiments demonstrations are also conducted to train the school teachers to promote science and technology. During the challenging COVID-19 pandemic the university has put efforts to combat the spread of the novel coronavirus. To empower people across the world to fight against Novel Corona Virus with authentic information, the Central University of Punjab, Bathinda (CUPB) launched India's own unique COVID-19 Information Portal on which most of the authentic information and sources are available for references, research, and common understanding of the phenomenon. As a part of social responsibility, many faculty gave their voluntary services for the establishment of COVID-19 Testing Laboratory at Faridkot, awareness activities for frontline health workers and activities to stay healthy during lockdown were conducted.

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

### 7.3 – Institutional Distinctiveness

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

Research and innovation are one part of the vision of our University. The university conducts basic as well as applied research along with sociological

and historical research and contributes to social well-being culture, health, advancement of society, and economic development. The faculty and research students have freedom of inquiry and the right to disseminate the findings of their research. To provide facilities for research, the University is continuously strengthening the infrastructure along with the capacity for research and encouraging its faculty to achieve its research goals through a commitment to engage in research, industry connect, collaboration with other universities and scientific institutions of repute both in India and abroad that are consonant with the values of the university. The University encourages the researchers may be students or faculty by providing incentives /awards such as Research award (for cumulative impact actor more than 10 and 15), Best Student (for both PG students and Research scholars), and Appreciation Certificates to promote the research culture. The University encourages new faculty to take up minor research projects in global thrust areas and provides an appropriate budget for research seed money The University has a Research Advisory Committee functioning under the chairmanship of the Honorable Vice-Chancellor to periodically review and guide for the progression of the cutting-edge research. The primary role of the Committee is to support and advise the implementation, development, dissemination of all research, review, and evaluation of the activities related to research. Research output is considered as one of the key criteria of contribution by faculty and it is assessed by conducting internal and external research audits. The University translates new knowledge, technology innovations, and tools emerging out the research carried out here into commercial products and thus, processes for benefit of the society. The teachers have been sanctioned 23 research projects worth 639.01 lacs in 2019-20 from various funding agencies, such as DST, UGC, DBT, ICSSR, ICMR, etc. The teachers and research scholars have published 429 research papers with a total impact factor of 394.441.

Provide the weblink of the institution

[www.cup.edu.in](http://www.cup.edu.in)

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

The university will focus on the following dimensions to grow further: 1. Implementation of ERP system fully in all aspects in the university and university will function paperless. The training to administrators and faculty have been given and the ERP system is partly functional now. The remaining modules will be started on a demonstration basis and in the coming year, these will be fully functional. 2. Designing and developing a graduate outcome-based curriculum and its assessment in all 42 programmes of the university. The presentation on developing graduate outcomes has been given to HODs and DEANS to start working on preparing graduate outcomes. 3. To bring flexibility in the curriculum through the credit bank system and exit policy as per NEP2020. 4. To improve international admissions and development of global level courses. 5. To focus more on innovations through high-quality research and publishing patents and other innovations.