

Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**CHANDIGARH UNIVERSITY**
Name of the head of the Institution	**Prof. H B Raghavendra**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**01605017448**
Mobile no.	**8146651622**
Registered Email	**registrar@cumail.in**
Alternate Email	**ed@cumail.in**
Address	**Chandigarh University NH-95, Chd-Ludhiana Hwy, Mohali**
City/Town	**Mohali**
State/UT	**Punjab**
Pincode	**140413**

2. Institutional Status	
University	**Private**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. Anuj Bhardwaj**
Phone no/Alternate Phone no.	**01605017418**
Mobile no.	**8146651580**
Registered Email	**iqac@cumail.in**
Alternate Email	**ed@cumail.in**
3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://www.cuchd.in/iqac/img/AQAR-2018-19.pdf
4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.cuchd.in/academics/academic-calendar.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A+**	**3.28**	**2019**	**09-Sep-2019**	**08-Sep-2024**

6. Date of Establishment of IQAC	**07-Jan-2013**

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
National Faculty	**01-Jul-2019**	**1846**

Development Program(NFDP)	14	

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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
University School of Business, Chandigarh University, Gharuan	Eco Eureka Workshops For Gharuan, Mankheri, Batta And Manpur Villages Of Ropar District, Punjab	NCSTC DIVISION, DST	2019 365	1152000

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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 :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

• Creation and implementation of outcome based learning structure • Providing Teaching Materials to the students through Chandigarh University Information Management System (CUIMS) resource library • Upgradation of Research and Development Cell, Innovation and Entrepreneurship Development Cell (IEDC) • National and International Faculty Development programs for all the faculty members • Regularly conduct Academic and Administrative Audits of the University departments • Implementation of performance based appraisal system for teaching and nonteaching staff. • NIRF 2020 raking: 84 in Engineering and 51 in Management • NBA Accreditation of Engineering programme ECE for six years (Tier I) Management programme.

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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	Achivements/Outcomes
Examination reforms	Outcome based learning implemented along with monitoring of PO attainment
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Board of Management	15-Oct-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	02-Sep-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	29-Jun-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Chandigarh University has its own Management Information System through ERP (https://uims.cuchd.in/uims). It includes all the stages of the Student Lifecycle Management (SLM) starting from Admission, Teaching Learning resources, Attendance monitoring and action taken processes, Assessment Evaluation record of Students, various communication systems with all the stake holders like students, faculty, industry experts, alumni, etc. Placement and corporate relations are also part of the MIS system. Accounts and financial modules are also part of ERP for effective and high efficiency user experience. All the Student and Staff record for the academic and

administrative services are managed by this system. Chandigarh University has shifted whole Teaching learning process to an online Learning Management System 'BLACKBOARD' which is a seamless and user friendly platform. This new age tool caters to the needs of the students, leveraging the power of the world renowned LMS The Black Board" Popularly known as BB, Chandigarh University is the first University in Punjab to have made substantial investments and successfully implemented this LMS to provide a seamless learning experience to its students. The Prominent features of blackboard includes: Live environment Virtual class rooms. Targeted engagement tasks information delivery Dynamic discussion forums Performance Predict Risk Reports Innovation LTI tools and SCORM content. The advantages of introducing LMS into the university environment are: • Blended Learning • Engaged Learning • Flexibility to Learners • Leveraging Technology • Geographically Independent Learning The following are the features of BLACKBOARD, which was used by students and faculty: o Blackboard Collaborate: Live Classrooms o Web Conferencing o EContent Delivery o State of Art Content Integration o Interactive Tools (i.e. Discussions, Wikis, Journals, Blogs) o Social Learning o Announcements o Push Notifications on Mobile o Mobile Tests o Research Integration o Grades Self assessment and checking risk patterns o Collaboration: Provide collaboration among students, educators, and staff (e.g., advising, orientation programs, extracurricular activities, committees, peers etc.) University also promote the MOOCs programs such as NPTEL, Swayam, Spoken tutorial etc. among the students faculty.

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
BArch	AR-201	Bachelor of Architecture	08/04/2019

BA (Journalism)	BJ-201	Journalism and Mass Communication	15/04/2019
BA	BA-301	Bachelor of Arts	15/04/2019
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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
BE	CS-201	01/07/2019	BASICS ELECTRICAL ELECTRONICS ENGINEERING (EET-109)	01/07/2019
BE	EL-201	01/07/2019	CONTROL SYSTEMS LAB (ELP-307)	01/07/2019
BBA	BB-201	01/07/2019	FINANCIAL MANAGEMENT (BBT-222)	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
MArch	Master of Architecture	01/07/2019
ME	CSE (Artificial Intelligence & Machine Learning)	01/07/2019
MBA	Strategic-HR	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
MPharm	Pharmaceutics	01/07/2019
MSc	Biotechnology	01/07/2019
MSc	Animation & Multimedia Technology	01/07/2019
MSc	Forensic Science and Technology	01/07/2019
MSc	Mathematics	01/07/2019
MSc	Physics	01/07/2019
MSc	Chemistry	01/07/2019
MSc	Industrial Microbiology	01/07/2019
PG Diploma	Yoga Education	01/07/2019
BArch	Bachelor of	01/07/2019

	Architecture	
BA (Journalism)	Journalism and Mass Communication	01/07/2019
BA	Bachelor of Arts	01/07/2019
BA	Film & Television Studies	01/07/2019
BA	Liberal Arts	01/07/2019
B.A.BEd	Bachelor of Arts + Bachelor of Education	01/07/2019
BA LLB	Bachelor of Arts + Bachelor of Law	01/07/2019
BBA	Bachelor of Business Administration	01/07/2019
BBA	Bachelor of Business Administration + Bachelor of Law	01/07/2019
BCom	Bachelor of Commerce	01/07/2019
BCom LLB	Bachelor of Commerce + Bachelor of Law	01/07/2019
BCA	Bachelor of Computer Applications	01/07/2019
BDes	Industrial	01/07/2019
BE	Aerospace Engineering	01/07/2019
BE	Automobile Engineering	01/07/2019
BE	Biotechnology	01/07/2019
BE	Chemical Engineering	01/07/2019
BE	Civil Engineering	01/07/2019
BE	Computer Science & Engineering	01/07/2019
BE	Computer Science & Engineering (Hons) Big Data & Analytics	01/07/2019
BE	Computer Science & Engineering (Hons) Cloud Computing	01/07/2019
BE	Computer Science & Engineering (Hons) Information Security	01/07/2019
BE	Computer Science & Engineering (Internet of Things)	01/07/2019
BE	CSE in specialization with Artificial Intelligence & Machine Learning	01/07/2019
BE	Electrical Engineering	01/07/2019
BE	Electronics &	01/07/2019

	Communication Engineering	
BE	Information Technology	01/07/2019
BE	Mechanical Engineering	01/07/2019
BE	Mechatronics Engineering	01/07/2019
BE	Petroleum Engineering	01/07/2019
BE	CSE (Graphic & Gaming)	01/07/2019
BE	Computer Science & Business Systems	01/07/2019
BE	Food Technology	01/07/2019
BFA	Bachelor of Fine Arts	01/07/2019
LLB	Bachelor of Law (LLB)	01/07/2019
BOptom	Bachelor of Optometry	01/07/2019
BPharm	Bachelor of Pharmacy	01/07/2019
BPEd	Bachelor of Physical Education	01/07/2019
BPT	Bachelor of Physiotherapy	01/07/2019
BSc(Agriculture)	Agriculture (Hons.)	01/07/2019
BSc	Airlines & Airport Management	01/07/2019
BSc	Animation, VFX and Gaming	01/07/2019
BSc	Biotechnology	01/07/2019
BSc	Computer Science	01/07/2019
BSc	Fashion & Design	01/07/2019
BSc	Hotel & Hospitality Management	01/07/2019
BSc	Interior Design	01/07/2019
BSc	Medical	01/07/2019
BSc	Medical Lab Technology	01/07/2019
BSc	Non Medical	01/07/2019
BSc	Nutrition & Dietetics	01/07/2019
BSc	Travel & Tourism Management	01/07/2019
BSc	Film Studies	01/07/2019
BSc	Culinary Sciences	01/07/2019
BSc	Economics	01/07/2019
BSc	Chemistry (Hons.)	01/07/2019
BSc	Physics (Hons.)	01/07/2019
BSc	Bachelor of Science + Bachelor of Education	01/07/2019
PhD or DPhil	Biotechnology	01/07/2019

PhD or DPhil	Business Management	01/07/2019
PhD or DPhil	Chemistry	01/07/2019
PhD or DPhil	Civil Engineering	01/07/2019
PhD or DPhil	Computer Applications	01/07/2019
PhD or DPhil	Computer Science & Engineering	01/07/2019
PhD or DPhil	Education	01/07/2019
PhD or DPhil	Electrical Engineering	01/07/2019
PhD or DPhil	Electronics & Communication Engineering	01/07/2019
PhD or DPhil	English	01/07/2019
PhD or DPhil	Forensic Sciences	01/07/2019
PhD or DPhil	Law	01/07/2019
PhD or DPhil	Mass Communication	01/07/2019
PhD or DPhil	Mathematics	01/07/2019
PhD or DPhil	Mechanical Engineering	01/07/2019
PhD or DPhil	Pharmaceutical Sciences	01/07/2019
PhD or DPhil	Physics	01/07/2019
PhD or DPhil	Psychology	01/07/2019
PhD or DPhil	Tourism and Hospitality Management	01/07/2019
MArch	Master of Architecture	01/07/2019
MA (Journalism)	Journalism & Mass Communication	01/07/2019
MA	English	01/07/2019
MA	Psychology	01/07/2019
MA	Clinical Psychology	01/07/2019
MBA	Master of Business Administration	01/07/2019
MBA	Business Analytics	01/07/2019
MBA	Tourism & Hospitality Management	01/07/2019
MBA	Banking and Financial Engineering	01/07/2019
MBA	Strategic-HR	01/07/2019
MCom	Master of Commerce (Hons.)	01/07/2019
MCA	Master of Computer Applications	01/07/2019
ME	Automobile Engineering	01/07/2019
ME	Civil Engineering (Constructional Technology & Management)	01/07/2019

ME	Civil Engineering (Environment)	01/07/2019
ME	Civil Engineering (Structural Engineering)	01/07/2019
ME	Civil Engineering (Transportation Engineering)	01/07/2019
ME	Computer Science & Engineering	01/07/2019
ME	Electrical Engineering	01/07/2019
ME	Electronics & Communication Engineering	01/07/2019
ME	Mechanical Engineering	01/07/2019
ME	CSE (Artificial Intelligence & Machine Learning)	01/07/2019
LLM	Master of Law (LLM)	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
ACADEMIC WRITING AND RESEARCH METHODOLOGY	01/07/2019	103
ACTING THEORY	01/07/2019	96
ADVANCE 2D ANIMATION	01/07/2019	94
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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
BArch	Bachelor of Architecture	341
BA (Journalism)	Journalism and Mass Communication	463
BA	Bachelor of Arts	149
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
The University collects the feedback on teaching learning, curriculum aspects and courses from different stakeholders such as the Students, Alumni, Teachers and Employers. The e-governance ensures and analyzes the feedback. Periodical analysis is made by IQAC in every semester for student performance, faculty performance, utilization of infrastructure, students experience and quality enrichment. Feedback Mechanism: The approach followed is Continuous Feedback Loop. The Continuous Feedback Loop is an ongoing process that includes assessing student outcomes, modification, program planning, and implementation. Students provide valuable feedback every semester, online through a scientific software- Feedback Management Information System. Feedback from students is also welcomed through the university website and/or CUIMS. The views of the students are immediately forwarded to the relevant department for effective action. The various segments involved in the feedback mechanism are listed below: 1. Academics 2. Administration 3. Co-Curricular Activities a) This involves taking feedback of the students via University ERP software on weekly basis based on agenda points selected for the period of the semester. The feedback mechanism is based on level of agreement for the statement shown to the student. b) Along with the software-based feedback, interactions with the class representatives are scheduled by Academic Coordinators, Head of Departments, Directors. c) Third provision for taking the feedback is the conduct of Open House of the students every semester where the students are provided with the opportunity to share the inputs related to the academics. d) Anonymous Feedbacks are also planned by circulating Google Forms for taking inputs e) Student Care Centers are also there in all the blocks where the students can share their concerns related to all the domains of the university.

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
BA (Journalism)	Journalism and Mass Communication	180	2491	180
BArch	Bachelor of Architecture	80	978	53

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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	22646	2947	1543	310	64

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	Number of	ICT Tools and	Number of ICT	Numberof smart	E-resources and

Teachers on Roll	teachers using ICT (LMS, e-Resources)	resources available	enabled Classrooms	classrooms	techniques used
1853	1853	47	548	227	50

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)

Objectives: 1. To monitor, motivate and guide students. 2. Monitor the regularity and discipline of students 3. To identify specific needs of Students-Academic, Personal, Adjustment related and provide counselling. 4. To help in developing self-awareness and sensitivity, feeling of equality, compassion and oneness. 5. To help students build strength of character, ethics and values. 6. To inculcate core values of the university i.e. Human Dignity, Empathy, Humility, Giving. 7. Counselling students and provide confidence to improve their quality of life. 8. To enable the parents to know about the performance and regularity of their wards. Structure of the Program Selection Process of Department Mentoring Coordinators (DMC) o The DMCs are selected at the departmental Level by the HOD's o The Names of DMCs are approved by the Director, Department of Student Welfare Criteria o Minimum 2 years CU experience o Should have performed the roles of Class counsellor or coordinators o Up to date knowledge about mentoring Guidelines for the Program o The Ratio of DMC-Mentor is 1:18 o The Ratio of Mentor-Mentee is 1:14 o 75 attendance is mandatory o Mentor-mentee meets once a week. o 12 Sessions for UG program and 6 Sessions for PG programs o The mentors identify the students whose performance/attendance is below 75 o Interact and find out the cause of the problem or an indifferent behavior o Guide well performing students to excel further o Role Responsibilities: Chief Counsellor o Define the goals and objectives for the mentoring program o Commit resources to train, direct, Mentor and coach participants o Provide professional and confidential counselling to students for a range of personal, social, professional, academic concerns o Initiate, plan and lead large group presentation, workshops and psychotherapeutic programs for students in response to identified needs in the University community o Preparation and Orientation Program each academic year o Liasioning with the university community i.e. Student care, student residences, campus medical staff, to resolve difficulties and ensure welfare needs of students o Role Responsibilities: Department Mentoring Coordinator (DMC) o Liasioning between Mentor and Mentoring Cell o Scheduling and tracking the sessions for mentoring o Provides support to guide and direct the participants o Weekly and monthly documentation and reporting of the sessions o Regular meetings with Mentors o Review and Evaluation of Mentor-mentee progress Roles Responsibilities-Mentor o Motivating, monitoring and guiding the students o Mentor's reporting to DMCs on weekly and monthly basis o Maintaining Mentee's personal information o Maintaining records and reports (Mentee's personal information, achievements, suspension details etc) o Inform and encourage students to join competitions, extracurricular, activities o Identify distressed students o Referral to the Counsellor o Take care of students in homely manner o Monitoring of Personal behavior/solving queries/problems of students o Try to solve their query / problem/solving queries/problems of students o Help him/ her to Inculcate Values/solving queries/problems of students o Report of students to the parents through mentor calling o To enable the parents to know about the performance and regularity of their wards

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
25593	1853	1:14

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
1899	1853	46	150	772

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies

2019	DR. MANOJ KUMAR SINGLA	Professor	FELLOW OF INSTITUTE OF ENGINEERS,IEI KOLKATA
2019	DR. ASHITA SHARMA	Associate Professor	FELLOWHIP FOR AN ADVANCED TRAINING IN BIOTECHNOLOGY,NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE TECHNOLOGY (AIST),JAPAN

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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
BE	CS210	1	14/12/2019	28/12/2019
BE	BT201	1	14/12/2019	28/12/2019

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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
18	25469	0.07

2.6 – Student Performance and Learning Outcomes

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

https://www.cuchd.in/iqac/po-co.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
BS-204	BFA	Bachelor of Fine Arts	12	12	100
BE-201	BPEd	Bachelor of Physical Education	26	26	100

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2.7 – Student Satisfaction Survey

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

https://www.cuchd.in/iqac/img/Student-Satisfaction-Survey-2019-20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Rasmeet Singh Bali	International Faculty Fellowship	12/11/2019	Samarkand State University, Uzbekistan
National	Neelam P Negi	Women Scientists Fellowship Award	25/10/2019	Science Engineering Research Board (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
JRF	1095	Chandigarh University
Research Associates	1095	Chandigarh University

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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	Department of Science Technology, Govt. of India	93395480	89240744
Minor Projects	1095	INDO-U.S. Science Technology Forum, New Delhi	700000	700000

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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
Seminar on How to optimize the patent search	Agriculture Sciences	02/08/2019
Seminar on Intellectual Property Rights: A strategic tool to trasfrom innovation into technology	Bio-technology	12/09/2019

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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
Smallest Smart Bin	Lovelash Dutt	World Book of Records, London	26/08/2019	student
A Non-Lethal Self defense Electronic Device	Lovelash Dutt	India book of records, Faridabad, Haryana	19/07/2019	student

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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
1	Technology Business Incubator	NSTEDB-Department of Science Technology, Govt. of India	S. R. FOUNDATION	Social Services	01/07/2019
1	Technology Business Incubator	NSTEDB-Department of Science Technology, Govt. of India	EEPRS SOLUTIONS PVT. LTD.	Providing Solutions To Earth, Environmental, And Planetary, Problems Through Application Of State Of The Art Geospatial Technology	01/07/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics Communication Engineering	8
Mathematics	5
Business management	21
Bio-Technology	7
Physics	9
Electrical	3
Computer Science Engineering	6
Mechanical	12
Pharmaceutical Sciences	4
Chemistry	3

Computer Application	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	University Institute of Sciences (UIS)	213	3.12
International	University Institute of Agriculture Sciences (UIAS)	42	4.52

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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
University Institute of Applied Health Sciences (UIAHS)	71
University Institute of Agriculture Sciences (UIAS)	21
University Institute of Sciences (UIS)	294

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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Fermented Herbal Drink And Preparation Thereof	Filed	201811031413	22/09/2019
Synthesis Process Of Diethylated Eosin Derivative	Filed	201811044341	23/11/2019

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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
SURVIVOR A blockchain based edge-as-a-service framework for secure energy trading in SDN-	Jindal A Aujla G S Kumar N	Computer Networks	2019	Nill	Chandigarh University	106

enabled vehicle-to-grid environment						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
SURVIVOR: A blockchain based edge-as-a-service framework for secure energy trading in SDN-enabled vehicle-to-grid environment	Jindal, A., Aujla, G.S., Kumar, N.	Computer Networks	2019	26	106	Chandigarh University
Blockchain for smart communities: Applications, challenges and opportunities	Aggarwal, S., Chaudhary, R., Aujla, G.S., Kumar, N., Choo, K.-K.R., Zomaya, A.Y.	Journal of Network and Computer Applications	2019	26	93	Chandigarh University

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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	1767	1643	856	253
Presented papers	461	356	93	55
Resource persons	92	152	129	68

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s)	Name of consultancy	Consulting/Sponsoring	Revenue generated

department	project	Agency	(amount in rupees)
Mr. Sandeep salhotra, Mr. K C Gupta, Mr. Jagdeep Singh	Testing samples of sewage scheme of Baddi	M/s Jai Bhushan Malik, Engineers Contractors,231/5, Patiala 147001	4068
Mr. Sandeep salhotra, Mr. K C Gupta	Testing of steel samples	Consort Builder Pvt. Ltd.	4238

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
University School of Business (USB)	Executive Development Programme (EDP) -Financial Engineering Data Analytics (using Big Data analytics) for working professionals	CGC, Mohali	30189000	174
University School of Business (USB)	Executive Development Programme (EDP)- Business Analytics for working professionals	Geojit Financial Services Ltd, Chandigarh	13706500	79

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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
Blood Donation Camp (11th October 2019), Chandigarh University	NSS/Vishwas Foundation Delhi/ PGIMER blood bank Chandigarh, GHMC 32 and HDFC Bank	67	727
7 Days Special Camp (Community service Activities)	Department of Student Welfare/ ISR-CUYSET	7	480

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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

Converting university into COVID Medical care center during pandemic	Parman Patra	Government of Punjab	66
Conducting RTI Awareness workshop	Grant award letter along with grant of Rs. 100,000	Punjab State Information Commission, Chandigarh	250

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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 activites	Number of students participated in such activites
Blood Donation Awareness	NSS/Vishwas Foundation Delhi/ PGIMER blood bank Chandigarh, GHMC 32 and HDFC Bank	Blood Donation Camp (11th October 2019), Chandigarh University	67	727
Education Social Awareness	Department of Student Welfare/ ISR-CUYSET	7 Days Special Camp (Community service)	7	480

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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Student Exchange	Nandita Dubey	Self Financed	180
Student Exchange	Pimpajee Chinavicharana	Self Financed	180
Student Exchange	Saowalukmeesukho	Self Financed	180

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	Abaca Software Pvt Ltd	10/02/2020	10/07/2020	Swapnil Mishra
Internship	Internship	Adi Biosolutions	07/01/2020	06/06/2020	Nidhi

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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
Marshall University	11/07/2019	International Faculty Academic Exchange: (Prof. (Dr.) Avinandan Mukherjee)	386
Youngstown State University, Ohio, USA	11/08/2019	A). International Faculty Development Program B). International Faculty Academic Exchange: Prof. Suresh Sharma	414

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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
7500	7859

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation

CUIMS	Fully	4.13	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	118879	36095450	4722	2569151	123601	38664601
Reference Books	1970	775114	298	151714	2268	926828
e-Books	887836	10139916	23002	299946	910838	10439862
Journals	1066	906945	511	1961729	1577	2868674
e-Journals	25068	3476879	3112	438792	28180	3915671
Digital Database	13	3137642	0	0	13	3137642
CD & Video	1477	44437	212	8692	1689	53129
Others(specify)	3126	80888	702	23166	3828	104054

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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
MR. AVINDER SINGH MANN	FUNDAMENTALS OF AUTOMOBILE ENGINEERING	https://www.slideshare.net/	20/09/2019
MR. DALJIT SINGH	STORY DESIGN DEVELOPMENT	http://www.powershow.com	14/01/2020
MR. GURJIT SINGH	BASICS OF FLUID MECHANICS	https://www.scribd.com/	31/01/2020

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	9522	156	2846	30	20	20	16	2846	31
Added	1397	148	0	12	6	11	2	0	2
Total	10919	304	2846	42	26	31	18	2846	33

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

2846 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Chandigarh University-Lecture Recording Room	https://www.cuchd.in/student-services/
Chandigarh University-Media Centre	https://www.cuchd.in/student-services/
Chandigarh University-Lecture Capturing System (LCS)	https://www.cuchd.in/student-services/

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 incurredon maintenance of physical facilites
10000	9780	7000	6520

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

The University has put in place robust systems and procedures along with manpower monitoring to ensure proper maintenance and utilization of infrastructure, library, sports grounds, laboratories, classrooms, seminar halls, auditoriums and all service installations. To meet power break down and to provide adjustable power base, Gensets have been installed which are technically manned by the trained technicians. Weekly reports about work worthiness of all equipment and buildings are generated. • Laboratory Maintenance: All repair, maintenance and upkeeps of labs are maintained by their lab incharges/technical experts. Weekly reports are generated every Friday about the maintenance status, for undertaking maintenance work during weekend. • Work Shops: Periodic reporting of Workshop on requirements of repairs and maintenance are submitted by the HODs to the GM Administration office. The requirements are collectively processed at the end of every semester so as to keep things ready for the new semester. • Library: The library has created Books, Journals, Rare books and Reference sections which are manned by assistant librarians, In addition to the above staff, assistants, and attendants help the students for searching and lending of the books in the library. • Transport: The University has a strong transport department to ensure the buses, vans, ambulances and cars are maintained properly efficiently. Three ambulances are available in the University campus 247 for students and faculty to meet any emergency. • Sports Complex: Various sports facilities are regularly used for competitions practice. The indoor and outdoor game facilities are regularly monitored by sport department and reports are submitted to GM administration for proper maintenance. • Computer Labs: Computer labs have an incharge for each lab and an IT cell monitors and maintains them. • IT cell is also responsible for proper utilization and maintenance of LAN, Internet and Wifi facilities. Most of the equipment in computer labs is covered under AMC. • Classroom Maintenance: All classrooms are cleaned after 4.30PM every day on regular basis and maintained by housekeeping department. The building supervisors are also responsible for the maintenance of the buildings and physical facilities. Repair and maintenance is carried out every week. • Electrical Maintenance: University has a separate department for power supply to ensure uninterrupted power supply and maintenance of electrical assets including self owened of 66 KVA substation, Generator sets, lighting,

power distribution systems, solar panels etc. are undertaken as per their maintenance schedule. • Information Technology(IT): This department provides the integrated IT services like smooth running of ERP system. The University has Hi-Tech Surveillance System with 1000 high-resolution cameras along with day/night facility of distributed recording in a control room which are also maintained by IT department. • Auditoria/Seminar Hall: All five auditoria are centrally controlled and maintained by GM Administration. • Seminar Halls and Conference Halls are controlled by their respective departments. • Infrastructure Maintenance: The University also provides various other services to the students, faculty and staff which are maintained by respective service providers as per contract: • Banking/ATM, cafeteria, books stationary, Photo copying printing facilities etc.

https://www.cuchd.in/assets/upload/procedures-and-policies-for-maintenance.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	SUPER ACHIEVER SCHOLARSHIP SINGLE GIRL CHILD SCHOLARSHIP MANAGEMENT SCHOLARSHIP DEFENCE SCHOLARSHIP	5830	165299698
Financial Support from Other Sources			
a) National	NGO/Private Bodies, CENTRAL SECTOR SCHEME OF SCHOLARSHIPS FOR COLLEGE AND UNIVERSITY STUDENTS ISHAN UDAY - SPECIAL SCHOLARSHIP SCHEME FOR NORTH EASTERN REGION	3355	381129550
b)International	International scholarships, study in india etc.	2176	48042430

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
GUIDANCE FOR COMPETITIVE EXAMINATION	01/07/2019	23832	MR. PRADEEP BANSAL , ASSOCIATE DIRECTOR, DEPARTMENT OF CAREER DEVELOPMENT , CHANDIGARH UNIVERSITY, GHARUAN , MOB. NO.

			8146651644, pradeep.bansal@cumai.in.
CAREER COUNSELLING	01/07/2019	22282	MR. PRADEEP BANSAL , ASSOCIATE DIRECTOR, DEPARTMENT OF CAREER DEVELOPMENT , CHANDIGARH UNIVERSITY, GHARUAN , MOB. NO. 8146651644, pradeep.bansal@cumai.in.

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	CAREER COUNSELLING	0	5971	0	0
2019	GUIDANCE FOR COMPETITIVE EXAMINATION	3740	0	826	0

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
AMAZON DEVELOPMENT CENTRE (INDIA) PVT. LTD., COMMVAULT SYSTEMS (INDIA) PVT. LTD., MU SIGMA BUSINESS SOLUTION	5971	5433	NOAF FURNITURE INDUSTRY LLC, NOROB MEDICINE MAN UFACTURING LTD., ST. REGIS MUMBAI etc.	890	818

PVT. LTD., WALMART LABS, NUTANIX INDIA TECHNOLOGIES PVT. LTD. etc.					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	4	BACHELOR OF SCIENCE (HONS.) IN AGRICULTURE	UNIVERSITY INSTITUTE OF AGRICULTURAL SCIENCES	AKAL COLLEGE OF AGRICULTURE	M.SC. AGRICULTURE
2020	1	BACHELOR OF SCIENCE (ANIMATION, VFX AND GAMING)	UNIVERSITY INSTITUTE OF FILMS AND VISUAL ARTS	AAFT UNIVERSITY OF MEDIA AND ARTS, RAIPUR	MASTER IN ANIMATION AND MULTIMEDIA

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

Items	Number of students selected/ qualifying
Any Other	304
GATE	262

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

Activity	Level	Number of Participants
VISIT OF STAR CAST “MUNDA HI CHAHIDA”	UNIVERSITY	430
ORIENTATION PROGRAM WITH CULTURAL EVENING	UNIVERSITY	2200

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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	GOLD MEDAL (ALL INDIA INTER UNIVERSITY	National	1	Nill	18BAA1042 18BPS1028 18BPS1027 18BPS1033	GAGANDEEP SINGH KAMALPREET SINGH

	TUG OF WAR (MEN) BEACH (600KG) CHAMPIONSHIP)				18BPS1026 17BCM1497 17BNM1017 16BAL1086 17BPT1054 18BAG7057	HARVINDER SINGH PUSHWINDER SINGH GURDEEP SINGH ABHISHEK RAJPUT SUYANSH ANCHIT THAKUR NARESH VIPIN KUMAR

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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)

Chandigarh University considers its students as the most important stakeholders. The University has created a students centric model of governance. Formal student elections in Punjab are not allowed by the state government. However, following lingdoh committee recommendations, the University has created its own system of creating a structure to ensure participation of student representatives in the decision making process of the university through various measures including a Student Advisory committee(SAC). 1. Class Representative (CR) System: In each class section of students consisting of 50-60 students, two CRs are appointed, one boy and one girl. The appointment of CRs is done through a well- defined structured process in a transparent manner. The Process of CR appointment is made available to the students through student handbook as well as Chandigarh University Information Management System(CUIMS). Regular meetings with CRs are held as: (i) Coordinators meet all CRs once in a fortnight (ii) HoDs meets all CRs once a month and the top management including Chancellor/ Pro-Chancellor/ Vice-Chancellor meet all CRs at least once a semester (iii) CRs keep on sending their feedback about the teaching learning and total functioning of the University on regular basis. 2. Chandigarh University Student Advisory Committee(SAC): The University has constituted a Student Advisory Committee which consist of 21-25 members with not more than one student from each department. The members are appointed through an open process based on most critical constructive comments submitted by students for improvement of the University. The meetings of the committee are taken by Chancellor /Pro-Chancellor/Vice-Chancellor only. 3. Open Houses: Chandigarh University has established an innovative system of meeting all students of the University in batches of 600-700 department wise, once in a semester. In the beginning of each semester open house sessions are organised and the Vice-Chancellor and other senior officials meet the students to share the progress of the University during the last semester and also listen to the students face to face about a) Any complaint/suggestions regarding teaching learning including curriculum b) support services c) Any unfulfilled promises or new requirements. 4. Student Participation, representation on Academic Bodies: The University has ensured through statutes and ordinances the participation of the students at various levels: a) Two best students, one boy and one girl who have excelled in academics are appointed members of Board of Studies of the concerned department. b) Two best students of the University, one boy and one girl are appointed members of Academic Council of the University c) One or two students are also appointed members of Unfair means committee of the University. 5. Participation of students in Administrative bodies/ committees There are more than 50 clubs and committees and students are members of all clubs and

committees. a) Students are the members of disciplinary committee, Anti ragging committee, Hostel discipline committee, Mess committee etc. b) Various clubs and committees are managed and run by students only. The students plan various activities and also execute the same

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Chandigarh University Alumni Association (CUAA) was established in 2014 itself and was got registered on March 24, 2015 under the societies registration act with registration number 5084. A good number of alumni are occupying eminent positions and contribute to the further growth of their parent institution. The Alumni Association contributes to the following domains: • Sending feedbacks on Curriculum, teaching learning process and new courses that can be conducted to bridge the gap between industry and academia which in turn make our students more employable. • Giving important suggestions about recent trends in industry and accordingly the topics of study are covered through expert lectures, industrial visits or value addition programs. • Updating information about Placement opportunities in the companies they are employed or related with. • Inviting well placed alumni for interaction and mentoring of the current students. • Bringing in alumni for peer mentoring, group discussions and mock interviews. • 26 Alumni association/chapters meetings are conducted by the University during the previous years. • More than 20000 registered alumni members. • More than Rs. 2 Crore contributed by Alumni. Alumni are regularly asked to give their suggestions for augmenting the alumni networking, strengthen tie-ups and social get togethers. Every Department has a separate Alumni coordinator for conducting Alumni Activities. Alumni meets are conducted once in a year at institute and departmental levels. Alumni share their expertise with the students for guidance in Projects / Placements / Contests / Internships and events like SMART INDIA HACAKTHON etc. They guide students aspiring for higher education by providing guidance and assistance for GATE, GRE and other competitive examinations. University has Alumni's chapters in all major cities like-New Delhi, Bangalore, Hyderabad, Pune etc. The alumni are asked to express their views on the existing practices and policies of the University. Feedbacks from alumni are used to improve the teaching-learning process and the overall facilities provided to students. Alumni Association directly as well as indirectly contributes to the development of the University. Alumni Association in the past had provided sponsorships to events like "Tech-Invent "which is national level technical competition and "CU-Fest", national Level Cultural Festival. A separate portal on the university website and Facebook page has been created so that alumni are in constant contact. First batch alumni who are now holding good positions in Multinational and reputed companies also help in bringing those companies to the university for placements. A few alumni have also visited the university as part of recruitment teams.

5.4.2 – No. of registered Alumni:

20579

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

20002536

5.4.4 – Meetings/activities organized by Alumni Association :

26

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)

Chandigarh University practices decentralisation and participative Management- Teachers, students and other stakeholders participate in designing the curriculum, to ensure professional success of the students. Chandigarh University, is student centric but believes that all stakeholders need to be involved in decision making process. Objective: In the fast changing world of today, where new technologies evolve every second leading to highly competitive employment scenario, to keep pace by being part of the change is the key to success. Also, the University believes that the participation of all stakeholders in a decentralized regime is of paramount importance for regular review of the curriculum through feedback of students, teachers, corporate and other stakeholders in providing a suitable course material that could lead to future-ready professionals. Action taken/ Process: The curriculum of all courses is revised every two years The following process is being adopted to achieve the objectives: Chandigarh University firmly believes in improvising its curriculum regularly to ensure employability of the students. Feedback from various stake holders is collected every six months prudently and analysed by the Directors/Deans of the departments of the University. The students are invited to give their feedback online, on the contents taught, teaching pedagogy, availability of educational resources and various others parameters at the end of each semester. Directors/ Principals/ HODs along with all teachers discuss about the possible changes, that could be incorporated in the syllabi to fulfil the contemporary and future requirements. Suggestions are sought from the Alumni and parents on regular basis, on the teaching pedagogy curriculum vis-à-vis employability of the students. The curriculum is also shared with the eminent faculty members of other Indian and foreign institutions for updation of the curriculum to international standards. The curriculum is then mapped with best institutions in India and worldwide to remain globally comparable. The Management shares the recommendations that are brought out from the Corporate Advisory Board meetings held every year. To ensure participation of all faculty members in this process Pre-BoS meetings are held in the department for brain storming and thread base discussion about the curriculum. Thereafter the Boards of Studies constituted under the leadership of the Director/Dean of the department critically discuss the inputs from various stakeholders, and streamlines the curriculum for the forthcoming academic year. The course curriculum, thus approved by Board of Studies is ratified by the Academic council/ Board of Management for implementation. The basis of this success study is decentralised participative management based on all the stakeholders to ensure that curriculum is abreast with latest corporate dynamics and is globally relevant. Conclusion: Chandigarh University believes in nurturing and encouraging students to enhance their skill sets as per the global requirements of both corporate and academia. The steps taken by the Management in effectively implementing participative management involving all stake holders of the institution, to achieve the objectives of the university, is a great success. This success is also reflected in all-round improved performance of the students from placement numbers, highest packages, winning National/ International completions, cocurricular activities.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details

Teaching and Learning	• CU offer’s a total of 111 programs in the year 2019-20 comprising engineering, management, Arts, Science, Architecture, Law Pharmacy etc. • Teacher student ratio is 1:14 for personal attentions to the students • ICT based blended learning • Chandigarh University Information Management System and e-resources used for ensuring meeting of course objectives • Using various pedagogical tools like case studies, group discussions, field projects etc. • Providing teaching materials in the form of resource library and additional material through e-repository for all courses. • New age learning management system named as Blackboard deployed to improve teaching learning process. • Course handbooks are prepared with courses outcome indicators, mapping of COs POs, Lecture plan, etc.
Curriculum Development	• Well-defined Program Educational Objectives, Program Specific Objectives and Outcomes which are made available to the students through various modes • Course curriculum relevant to Local, National, Regional and Global developmental needs. • Courses in collaboration with Industry like IBM, TCS, Virtusa, ICICI direct, Tally, SBI etc. • Interdisciplinary approach
Examination and Evaluation	•Evaluation process absolutely transparent and objective •Fully automated Examination system through in- house developed ERP solution •Regular students not required to fill examination form. • Question-wise Centralized Evaluation to maintain uniformity • All evaluations shown to the students before declaration of result •Results declared within 13 days of the conduct of examination
Research and Development	•Centre for Research and Development (UCRD), 09 Centre of Excellence (COE) and 09 Centre of Research •State–of-the- art research facilities in various departments including Technology Business Incubator (TBI) and research laboratories •Enrolled research scholars in various projects •Promotes consultancy among teacher •Budget provision of Rs. 6.5 Crores annually for research and innovation •Established 37 Industry Sponsored Facilities/Labs on the Campus •Achieved in-house development of total ERP

	solution of the University Information Management System (CUIMS) •To improve the quality of research publications, all the research scholars are recommended to publish their research articles in Scopus/WOS
Library, ICT and Physical Infrastructure / Instrumentation	•5259764 square feet of built up area with more than 548 ICT enabled classrooms and more than 200 smart class room. •The University has decentralized library system, each block having separate library and hosts a rich collection of books, international offline and online journals, magazines etc. to promote academic and research work. •All classes are ICT enabled •Seminar hall and auditoriums are also ICT enabled •Smart classrooms in all buildings •Separate hostels for boys and for girls with all facilities, ergonomically designed furniture to promote efficiency in working environment. •Entire campus is Wi-Fi enabled with 2.8 GBPS bandwidth
Human Resource Management	•The Chandigarh University maintains Quality in recruiting the human resources by well-defined procedures and policies. The university follows UGC and state govt. guidelines for recruitments. •Well defined procedure and policies in the form of HR manual. The university HR policies and Human Recourses (HR) development initiatives implemented. •Faculty-student ratio of less than 1:14 enables optimal sharing of workload among the faculty.
Industry Interaction / Collaboration	•MoUs with 309 foreign universities for student exchange, faculty exchange, internships, and joint research programme. •Established 37 Industry collaborated Labs on the campus. •Industrial visits are organized for students. Students are sent on Internship to various industries Experts talk/Guest lectures are organized by Industry Experts •Workshops/Seminars are conducted by involving Industrial experts. •Feedback is also taken from industry expert for developing curriculum •MOOCs courses are included in curriculum •Placements in various reputed companies are provided to all the eligible and interested students. •87 MOUs with industry •New age courses like Big data analytics, cloud, information security,

	AI ML, robotic process automation, computer science and business system started in collaboration with Industry like TCS, IBM, virtusa, Wipro, HPE, Microsoft , Mahindra, Volvo, etc.
Admission of Students	•Transparent admission through online registration. All India Common Entrance Test (CUCET) conducted by the University •JEE, CAT, MAT, C-MAT, GATE and other State level examinations are considered in the admission process •Reservations and scholarship policies are followed in admission as per Punjab State Govt. guidelines •Reservations are followed in the admission process through various reservation scheme launched by the University like Defense, sports, single girl child, super achiever, sibling, teacher's ward, covid warrior, old student policy, defense personal scholarship etc. •Students from all 28 states of India and 8 UTs •International students from 46 countries

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

E-governace area	Details
Planning and Development	•Short term and long term prepared prospective plan is by university which includes all domains of its activities like new courses to be introduced, infrastructure to be created, some policy changes, target etc. •The University has a planning development board which recommended the developmental requirements and projections to the BOM GB •All systems are automated including procurement, stores, inventory management. •Inclusive of all the major components of Inventory management and inventory Master. Purchase transactions, requisitions and orders are also constituted under Planning and Development
Administration	Chandigarh University (CU) is a leading Indian Institution offering its students a unique amalgamation of professional and academic excellence. Ranked among Asia's best and fastest growing universities, CU has coupled the experience of top industry leaders and renowned academicians and foster a worldly approach. Administrative controller enables the university employees and students to keep a check for their day-to-day activities so that

	overall performance can be improved. Transparent, automated and technology driven based on statues, ordinances and committed to UGC norms and other regulatory bodies. Administration is decentralized, collective decision making, involving all stakeholders- students, teachers and industry etc.
Finance and Accounts	The Account management system (AMS) providers a user-friendly module to create, manage and search existing accounts in ERA Commons, academic fee, tuition fee, hostel fee and transport fee, and ASSIST as well as ERP modules used by account staff. Depending on role, users from Chandigarh University, and the ERP Service Desk staff are able to access and use the functionality of AMS. All transactions both financial and physical items purchases issue and return etc. are digitized and are online paperless.
Student Admission and Support	Automated Admission Management System is a software developed inhouse to work on web-platform to manage the complete admission procedures of various departments of an institution like Finance Section Administration, Student section and many more sections Right from registration of students in the university, the automated UIMS ensures sharing of information in all domains fee, academics, examination etc., thus avoiding all hassles to the students All the fee collected online through payment gateway.
Examination	The Examination Section is the backbone of the system of the university. It is of paramount importance that the examinations are conducted with utmost precision, fairness and objective to gain public credibility and esteem. In order to achieve this, all rules and procedures relating to the examinations are well defined so that it has no loop-holes for any assumption.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	AMIT KUMAR	4TH CYBER	NA	3000

		SCIENCE AND TECHNOLOGY CONFERENCE		
2019	ANCHAL KAMRA	4TH CYBER SCIENCE AND TECHNOLOGY CONFERENCE	NA	3000

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	SEMINAR ON DEEP LEARNING A LOGORITHMS	Nill	27/02/2020	28/02/2020	76	Nill

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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
ENHANCEMENTS IN EFFECTIVE LEARNING	49	02/07/2019	06/07/2019	5
SIX DAY FACULTY DEVELOPMENT PROGRAM ON PYTHON	37	02/03/2020	07/03/2020	6
FILM MAKING,PUBLISHING QUALITATIVE PAPERS, CREATIVE ASPECTS GRAPHICS, ANIMATION	78	08/07/2019	13/07/2019	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
1853	1853	2397	2397

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Medical facility, Medical Cover, Transport Facility, ICT Facilities, Crèche Facility, Maternity Benefits, Gratuity Benefits, Children Fee Concession Policy, Salary Advances Policy, Employee Welfare Fund, Leaves and Vacations, Financial Assistance for Teachers.• Prizes and awards •Performance based annual appraisal	Medical facility, Medical Cover, Transport Facility, ICT Facilities, Crèche Facility, Maternity Benefits, Gratuity Benefits, Children Fee Concession Policy, Salary Advances Policy, Employee Welfare Fund, Earned leave Encashment, Shagun Scheme. • Performance based objective annual appraisal	• Scholarships worth Rs. 33 crores • Free counseling to all the students, Dispensary and ambulance facility, Fitness centers with state of the art equipment, Yoga and Sports facility, Hobby Clubs, Scholarships, Semester Abroad Program for meritorious students, Best Student Award, Best Researcher Award, Sports Award, Cultural Award, Student Care Centres, Open House, Clubs and Societies, Feedback System, Internships, Semester Exchange, Credit Transfer Scheme

6.4 – Financial Management and Resource Mobilization

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

The University has a system of Internal and External Audits to ensure adequate control and compliance which is objective and transparent. All transactions are made online to make the system efficient and fair. Internal Audit: Internal control is an integral part of the financial transaction processing at Chandigarh University. The internal control structure is very simple but effective. Transaction processing at accounts department is the first level of control where all aspects of validating a transaction from budget provision, adequacy of requisition, supporting documentation, authorization and approval, vendor account history etc. are checked before entering a transaction in the accounting system. The second level of control is a system of pre-audit for processing any payment. An independent dedicated audit team has been setup in the accounts section that thoroughly audits each and every payment along with supporting documentation. The auditor checks each aspect of control from adequacy of requisition, documentation, authorization and approval perspective at every stage of transaction to ensure propriety of the payments. The observations / queries raised by the auditor are marked on the vouchers and given back to accounts department. Accounts Department follows up with the concerned department to properly address auditor’s queries by providing the requisite additional supporting documentation, authorization or corroborating evidence. Auditor accordingly stamps each payment for clearance upon satisfaction. Auditor also ensures that the University has taken steps for safeguarding the assets by taking adequate insurance for risk coverage. Once a final clearance from the auditor is received, payments are forwarded by the Accounts Manager to the Chief Financial Officer. Chief Finance Officer randomly checks the queries on the payment before payments are prepared for final sign off from the authorized signatories. Such segregation of duties acts as a strong control over financial transactions. Apart from this, there is also a system of random testing of transactions / expenses as and when a need is realized to review the expense pattern in a particular segment of cost. Such reviews are done internally and informally to initiate necessary action, wherever required. External Audit, There is also a well-defined process for external audit of the books of accounts of the University. Once a year,

external auditors critically review the books of accounts and analyse the receipts and payments as per the applicable auditing standards and statues to ensure proper and timely compliance of applicable statutory and regulatory requirements. External auditors discuss observations and findings with the accounts team on a regular basis to seek additional information and explanations to satisfy themselves on the financial statements. The auditors periodically discuss the audit progress with the Chief Finance Officer to address bottlenecks, if any, for the completion of audit as per the plan. Audit adjustments, as advised by the auditors are passed in the books of accounts to the satisfaction of the auditors. External audit is closed with a final debriefing meeting wherein all necessary explanations and justifications are provided to the auditors. Based on auditor's satisfaction, audited accounts are signed off.

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
NIL	0	NIL

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6.4.3 – Total corpus fund generated

528755332

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	Internal External Auditor from Reputed Govt./private Universities or Institutions	Yes	IQAC Chandigarh University
Administrative	Yes	Internal External Auditor from Reputed Govt./private Universities or Institutions	Yes	IQAC Chandigarh University

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

Not applicable

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

Being a University there is no formal teacher-parent association, however parent are the consistent important stakeholders. Therefore, their involvement in the university functions is in the following manner: - Student Day in each semester - For revising the curriculum: Draft is sent to parents for suggestion and parents also gave suggestions. – parents are given access to student's UIMS page and are also informed about the performance of their wards and those

parents whose wards performance also found not satisfactory on academic and disciplinary front are invited to the campus for interaction.

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

• Open houses for teaching and non teaching staff • Skill development programmes like-IT skills and office management skill development prgrams and workshops are held for staff • For lab instructor and technical staff workshop are regularly held to enhance their skills to handle latest technology based practical work equipments • Training program for security personals • Crèche facility is available to help employees to take care of their kids.

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

1. The program objectives and outcomes are more effectively implemented and achieved. 2. The process related to academic approvals are improved and the meetings of the concerned bodies are organized at regular basis. 3. In the new engineering courses the aspects of project work implemented as suggested by NAAC peer team. 4. The learning outcomes are stated using active verbs using Bloom’s taxonomy with introduction of rubric in each outcomes. 5. Grading system has been revamped as suggested by NAAC Peer team. 6. University plays an active role by equity participation, project report preparation and market study reports to fast track the establishment of new start-ups. 7. The book bank facility is available for students with more than 5000 books in book bank. The collection of general books added for all categories of students 8. All meetings are agenda based and action taken reports has been prepared and shared with every stakeholder. 9. The financial powers are redefined or reinforced. 10. Strategic plans are prepared and properly defined 11. The appraisal system is not primarily based, as on the student feedback is a small component of the process. 12. Initiative to argument of extramural fundings 13. Strategic development and improving certain processes which are in process. 14. Open houses with faculty and non-teaching staff are regularly conducted.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	EXAMINATION REFORMS BASED ON OUTCOME BASED EDUCATION	14/08/2019	14/08/2019	14/08/2019	55
2019	ASSESSING THE PERFORMANCE OF ENTREPRENEURSHIP CELL AND INCUBATION CENTRE	04/09/2019	04/09/2019	04/09/2019	59

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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
EXPERT TALK ON CREATING RESPECTFUL WORKPLACE FOR WOMEN	12/09/2019	12/09/2019	54	39
SEMINAR ON IMPROVING EMOTIONAL QUOTIENT FOR SUCCESS IN LIFE	04/10/2019	04/10/2019	29	15
CULTIVATING THE POSITIVE MINDSET WITH THE POWER OF POSITIVE THINKING (ONE DAY WORKSHOP)	09/10/2019	09/10/2019	45	22
SEMINAR ON GENDER EQUITY AND WOMEN EMPOWERMENT	20/08/2019	20/08/2019	334	166
INTERNATIONAL WOMEN DAY	08/03/2020	08/03/2020	65	24
EXPERT TALK ON GENDER EQUITY AND WOMEN EMPOWERMENT-NATIONAL GIRL CHILD DAY	23/01/2020	24/01/2020	345	155
GENDER EQUALITY AND WOMEN EMPOWERMENT THE OCCASION OF INTERNATIONAL GIRL CHILD DAY	16/10/2019	16/10/2019	677	203
GENDER EQUALITY: NEED OF THE HOUR	02/04/2020	04/04/2020	278	225
WOMEN DAY CELEBRATION	11/03/2020	11/03/2020	689	64
SEMINAR ON GENDER	11/09/2019	11/09/2019	79	42

DISCRIMINATION				
ONE DAY TRAINING WORKSHOP FOR COUNSELLORS ON GENDER JUSTICE & WOMEN EMPOWERMENT	06/02/2020	06/02/2020	60	40
GUEST LECTURE ON GENDER SENSITIVITY	15/11/2019	15/11/2019	89	65
SESSIONS ORGANIZED ON LEGAL PROVISION FOR WOMEN	08/07/2019	08/07/2019	95	26
LECTURE ON WOMEN RIGHTS	22/07/2019	22/07/2019	156	56
WOMEN HEALTH AND GENDER DISCRIMINATION	27/08/2019	27/08/2019	224	76
EXPERT TALK ON DOWRY AND GENDER DISCRIMINATION	01/11/2019	01/11/2019	124	107
SEMINAR ON FEMALE FOETICIDE PNDT ACT	04/11/2019	04/11/2019	45	31
EXPERT TALK ON CRIME AGAINST WOMEN	18/11/2019	18/11/2019	167	100
POSTER MAKING COMPETITION ON WOMEN EMPOWERMENT	23/12/2019	23/12/2019	56	10
DEALING WITH SEXUAL HARASSMENT AT WORKPLACE (FIVE DAY WORKSHOP)	01/06/2020	05/06/2020	78	31
SEMINAR ON AWARENESS ABOUT DOMESTIC VIOLENCE	22/05/2020	22/05/2020	73	60
WORKSHOP ON WOMEN AND MEDIA	12/12/2019	12/12/2019	145	44
WOMEN EMPOWERMENT THROUGH DIGITAL LITERACY	16/12/2019	16/12/2019	123	69
WORKSHOP ON PANCHAYAT RAJ	15/04/2020	15/04/2020	145	22

AND WOMEN EMPOWERMENT				
WORKSHOP ON SELF-PROTECTION	28/09/2019	28/09/2019	198	15
WORKSHOP BY THE LAW DEPARTMENT : "A CONNECTION BETWEEN GENDER, JUSTICE AND DEMOCRACY"	04/05/2020	04/05/2020	134	68

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
Percentage of power requirement of the University met by renewable energy sources- 41.88 Total annual power requirement (in KWH)-14425120

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	43
Provision for lift	Yes	43
Ramp/Rails	Yes	43
Braille Software/facilities	Yes	2
Rest Rooms	Yes	43
Scribes for examination	Yes	6
Special skill development for differently abled students	Yes	43
Any other similar facility	Yes	43

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	47	63	05/06/2019	1	ENVIRONMENT DAY	AWARENESS ABOUT THE IMPORTANCE OF SUSTAINABLE DEVELOPMENT AND ECO-FRIENDLY ACTIVITIE	101

						S WAS SPREAD AROUND THE NEARBY VILLAGES BY RALLIES AND NUKKAD NATAKS.	
2019	47	63	08/06/2019	2	COMPUTER LITERACY PROGRAMME	TWO DAY COMPUTER LITERACY PROGRAMME WAS CONDUCTED AT UNIVERSITY CAMPUS FOR STUDENTS OF CLASSES 10TH TO 12TH FROM NEARBY VILLAGES	71

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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	Chandigarh University is known for its academic excellence, research, teaching and value-based education. In all these activities teachers play some pivotal roles in all these activities. Chandigarh University has a code of conduct for teachers which guides them in their behavioral, academic, and intellectual activities.
Code of Conduct for Students	01/07/2019	Code of conduct for students helps them in achieving a holistic personality. It also helps them in their behavioral and academic life.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants

ORIENTATION PROGRAM WITH CULTURAL EVENING	16/07/2019	24/07/2019	2200
VISIT OF STAR CAST “MUNDA HI CHAHIDA”	16/07/2019	16/07/2019	430
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

• Waste Water Management. Rain water harvesting • Recycling bin for e-waste • Sewage Treatment plant • Solid Waste Treatment • Hazardous waste management • Energy conservation- Sensor-based energy conservation use of LED bulbs • Use of Renewable Energy • Air emissions and noise levels • Ecology bio-diversity • Socio- economic • Sustainable landscape and organic farming • Complete ban on plastic in campus-Refuse, reduce, reuse, and recycle • Green buildings • Poly house • Herbal garden • Landscaping with trees and plants • Lush Green University Garden • Solar Power Station • Solar water heaters • Wind energy • Restriction of fuel-based vehicles in the campus GPS enabled parking • Use of e-rickshaw for the campus ride • Use of Bicycle/ battery powered vehicles • No smoking campus • Paperless office (through inhouse developed ERP solution-CUIMS) • Carbon footprint monitoring system • Digital Library or e-learning centre • Pedestrian-friendly pathways • Regular Energy and air quality audits

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Title of the Practice : Professional Development Activities for Staff Goal:- • Continued upgradation of skills of human resources is considered to be most important intellectual activity at Chandigarh University • It is aimed at keeping the faculty updated on latest technologies and professional practices on one hand and the non-teaching staff is exposed to latest practices in office management and use of ICT • Providing the teachers and non-teachers international exposure. It is also ensured through participation of collaborating international and national universities and Institutions. • Involving the corporate in refreshing and upgrading the requisite technical and professional skills. The Context:- • To enhance faculty skills • Faculty is able to guide and lead in research and innovation • To be a part of change and make the student capable in the light of disruptive changes in technology being faced on a daily basis. • Non-teaching: To provide support through efficient use of University resources and be capable of using latest tools and technology to facilitate teaching learning practice • A regular comprehensive evaluation of faculty and staff using technology in learning, teaching and management processes is the need of hour. These training programs are part of the University strategic plans and priorities and is incorporated as part of performance enhancement of faculty and staff The Practice:- • This practice of conducting FDP and SDP during every year between 1st to 15th July has been introduced since inception of University. • The FDP is divided in two components. One component is common for all faculty and generalized three days training, devoted to skill development in teaching pedagogy, communication skills, teaching technologies and teaching psychology etc. • The second component consists of specific topics which are delivered by department through experts from renowned institutions, industry and foreign institutions. In this practice FDPs are organized on specialized topics based upon the industry needs so that research groups or specialized teachers can be benefited. The FDP content is based on self-analysis by the faculty spelling out the areas/subjects for skill enhancement, based on revised curriculum and latest developments in their discipline including emerging technologies. • The FDP’s

are combination of discussions, workshops and lab sessions. • A separate programme based on skill enhancement exclusively through foreign faculty has been introduced. This is called International Faculty Development Program(IFDP). Evidence of Success:- • The university has been able to introduce state of art courses in emerging technologies Cloud Computing, Big data, Information Security, IOT, AI etc. ahead of other institutions on 2014-15 itself. • Faculty got training in the upcoming emerging areas of artificial intelligence machine learning, cloud computing, information security, big data analytics etc. • The placement of students increases due to the training of faculty and staff. Students are now getting higher placement offers in terms of total selections and packages. • The research publications of the faculty also increases in the Scopus and SCI indexed journals. • Multi-disciplinary training was also provided to the faculty and staff under areas of IoT, robotics, mechatronics, and energy system. • Student satisfaction has been improved • Classroom teaching has improved leading to higher satisfaction level among the students. Problems:- • Arranging experts of high caliber in emerging areas • Faculty aspirations are too high for the upcoming new areas of technology and profession. • Sometimes difficult to manage the logistics for International Trainers/Faculty. • The University is multidisciplinary in nature and staff from all diversity participate in the training programs and they have different learning requirements and expectations. Title of the Practice: “Best Practices in Students Admission Process” The Context:- • The University works to bridge the gap among the students coming from diverse environments with disparities, by deploying alternate strategies including the use of technologies. • It is essential to ensure gender equity and access for education to all through admission process. • In order to give fair chance to opt for the most suitable professional path, the admission process should start early. This should provide enough opportunities to the students for advice and mentoring including counselling for admissions. • Also to provide scientific tools to know their aptitude Objectives of the Practice: • To provide gateway to higher education opportunities and future career options for young adults to opt for a unique pathway that will lead them to a promising future. • To follow a transparent Students Admission Process in all programs of study to provide equal opportunity to all • To ensure admission of talented and meritorious students on merit alone. • To ensure the balance of regional and national diversity along with gender diversity. The Practice:- Counselling:- • Chandigarh University reaches out to the students all around the Country for the counselling and Guidance to help them choose appropriate professional career. • Prospective students are encouraged to visit University for academic support systems like Industry collaborated Laboratories and Research facilities etc. to possibly have clarity about the various professional courses offered by university. • The prospective students are given free psychrometric test for knowing their aptitude for different disciplines Admission Process: • The 15 facilitation centers of university across the country reaches out to the prospective students to encourage them to appear for the Entrance Test of University – Chandigarh University Common Entrance Test (CUCET). • In order to attract meritorious students, scholarships are offered upto 100 percent. In addition, Chandigarh University provides financial and admission support to the wards of Defense, sports, NCC, Cultural achievers, Single girl child, physically challenged, teacher’s ward, siblings, covid warrior ward, media personal ward etc. • Scholarship cell under registrar office also assist in availing different Government scholarships for SC/ST/OBC and minority students. • University has tied up with number of banks for providing educational loans facilities to the needy. • Admission for International students are encouraged through embassy and other contacts of various countries including University International students committee. This has resulted in Chandigarh University being a preferred destination for International students. Strong Chandigarh University Industry linkage: • University is running specialized programs in

collaboration and association with industries like IBM, ICICI/SBI, Tally, TCS, SHRM etc. • The students admitted under these programs gain hands-on experience under Industry mentorship before finally joining job. • This linkage has resulted in setting up various Industry sponsored labs in the campus to expose the students to real life work environment. Obstacles faced/Problems encountered: • Convincing financially weak but desirous students to utilize financial assistance in the form of loan for pursuing professional courses is a challenge. • The adjustment of non-English-speaking International students at the initial period within the campus is a Challenge, which is met through special bridge classes in English and Soft skills regularly held for such students. • Some students came from rural areas and it is difficult for them to use the latest ICT technologies at the initial period of admission but now system are in place to trains them Impact of the Practice/Evidence of Success • As on date University has students from all 28 states, 08 UTs of India and 46 countries. • More than 80 percent students from other states countries • SC/ST/OBC category students are studying, which shows their faith into the University systems. • 47 percent girl students are studying at UG, PG and PhD level, is an evidence of success • Around 3500 students avail the loan facility per year and the repayment rate is very good due to excellent placements. Most of the students who have completed their courses are now well placed in life and their standard of living has improved. • The beneficiaries of the scholarship’s schemes helped the students to complete their education successfully and on time. • The University Policies are student centric and industry focused. • There is more demand for admission as University has obtained A grade in NAAC, diamond rated by QS-IGAUGE and its programs performed well in ranking framework like NIRF, NBA.

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

https://www.cuchd.in/iqac/best-practises-and-institutional-distinctiveness.php

7.3 – Institutional Distinctiveness

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

Chandigarh University (CU) has focused on Entrepreneurship since its inception. Top leadership of the university gives utmost priority to the development of the entrepreneurship division. For this, EDC (Entrepreneurship Cell) has been established in the University. It has organized number of awareness workshops, Business Plan competitions, Startup Interactions etc. to promote the Entrepreneurship among the management, engineering, pharmacy, hospitality, animation and other departments. In 2014, the University established in 2015 the intellectual property right and patent cell in the university to protect the innovation and patents of the students and faculty. Other than this, CU applied for IEDC (Innovation and Entrepreneurship Development Cell) from National Science Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST) in 2015 and got a funding of INR 55 Lac. After getting the approval, the university also gave an additional funding of INR 1 crore for establishment of the TBI. Taking the initiative one step ahead, the university applied for the NIDHI-TBI in the year 2016 and got the approval of INR 10 crore from National Science Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST). Under TBI policy, selected incubates get a seed money of INR 6.5 lakhs with 18 months of free incubation. The following facilities have been created by the CU-TBI for incubates: • Installed four 3D printers (SLA, MJP and FDM technologies) • Built an ultra-advance convention hall with all required amenities (HD projector, Round Table, Sound system, Video Conferencing, etc.) • New large-size cabin with all needed infrastructural facilities • Open sitting area for

the discussion. As a result of all these initiatives, 118 start-ups have been registered with the CU-TBI and 22 start-ups have been established in different states of India. • CUTBI also connects the incubated to the grant institutions i.e., MSME, PRISM, PRAYAS etc along with loan facilitators i.e., Mudra, Start-up India Loan. • CUTBI also organize its annual festival EFFECTUS Chandigarh University has been ranked as the leading standalone university to have filed the highest number patents by the Government of India's Office Controller General of Patent Design and Trademarks. • 1000 patents have been filed, 600 published and 50 Patents have been granted. • 26 Start-ups have been filled out of patents products. Chandigarh University, with the support from the Department of Science and Technology (DST) - Government of India, has delivered 500 litres of hand sanitizer and face masks to the All-India Institute of Medical Sciences (AIIMS), New Delhi. Students and researchers of Chandigarh University have made rich contributions under the SYST Scheme of DST (Scheme for Young Scientists Technologists) during the COVID-19 crisis in India. Earlier one of the research scholars of Chandigarh University designed 2-way, 3-way, and 4-way splitters to overcome the shortfall of ventilators in India with quickest possible time. Thus, the University has shown an outstanding performance in the area of entrepreneurship, which is distinctive to its vision, priority and thrust.

Provide the weblink of the institution
https://www.cuchd.in/iqac/best-practises-and-institutional-distinctiveness.php

8.Future Plans of Actions for Next Academic Year

• NIRF ranking below 50 in university other categories like-Engineering, management etc. • ODL Online programmes to be started for enhancing women education • QS- Asia QS- Word Rankings • NBA Accreditation for Engineering Programs • Enhancing the reach of ODL Programs OL programs • Peer Perception among Industry and Academia • Green certification such as Clean Smart Campus Award swachata award • Increasing research publication per faculty per year. • More research grant from govt organizations. • To setup 'Radio Punjab' FM radio of the university to create awareness about central and state govt welfare planes and help comprehensive development of the neighborhood areas/villages