



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		PANJAB UNIVERSITY
Name of the head of the Institution		Prof. Raj Kumar
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		01722541945
Mobile no.		9415991709
Registered Email		iqac@pu.ac.in
Alternate Email		vc@pu.ac.in
Address		Panjab University
City/Town		Chandigarh
State/UT		Chandigarh
Pincode		160014
2. Institutional Status		

University	State
Type of Institution	Co-education
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Prof. Ashish Jain
Phone no/Alternate Phone no.	01722536151
Mobile no.	9888000444
Registered Email	iqac@pu.ac.in
Alternate Email	ashish@pu.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://iqac.puchd.ac.in/docs/2020/20201013113232-aqar2018-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://puchd.ac.in/includes/documents/2020/revised-academic-calendar-pg-2020.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
2	A	3.47	2009	29-Jan-2009	28-Jan-2014
3	A	3.35	2015	25-Jun-2015	24-Jun-2022

6. Date of Establishment of IQAC	01-May-2003
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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
Meeting to discuss the	05-Jul-2019	8

fifth criterion of revised NAAC Guidelines	1	
Meeting for Implementation of Feedback Forms and Programme Codes	10-Feb-2020 1	9
Meeting of sub-committee to discuss Criteria IV of AQAR	25-Feb-2020 1	5
Week-long in-person meeting-cum-training sessions with mini-IQAC incharge of different departments of University	03-Feb-2020 5	104
Meeting of sub-committee to discuss Criteria VII of AQAR	20-Feb-2020 1	6
Two day Webinar on Up The Rank-Getting Ready for NAAC	22-May-2020 2	86
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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
Department of Zoology	Special Assistance Programme at the level of CASII	UGC	2015 1825	16155000
Department of Biochemistry	Special Assistance Programme at the level of DSA-I	UGC	2015 1825	12500000
Department of Sociology	Special Assistance Programme at the level of CAS-II	UGC	2015 1825	9125000
Department of Pol. Science	Special Assistance Programme at the level of CAS-I	UGC	2016 1825	7750000
Department of Microbiology	Special Assistance Programme at the level of DRS-I	UGC	2016 1825	11900000

Department of Mathematics	Special Assistance Programme at the level of CAS-VI	UGC	2016 1825	12700000
Department of Statistics	Special Assistance Programme at the level of DSA-III	UGC	2016 1825	5600000
Department of Economics	Special Assistance Programme at the level of DRS-II	UGC	2013 2555	4000000
Department of UICET	Special Assistance Programme at the level of DRS-II	UGC	2018 1825	11150000
Department of English	Special Assistance Programme at the level of DRS-II	UGC	2018 1825	5300000
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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 :	6
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)	

a) IQAC has developed and successfully implemented Information Resource Portal (IRP) for Panjab University Chandigarh. This Portal is an innovative way to collect and organize information from 78 university departments and regional centers. The software helps Panjab University to capture and submit data for

NIRF, AISHE, AQAR, Times Higher Education, and various other ranking agencies. The portal is regularly updated as per revised guidelines of NAAC for AQAR and SSR and other ranking frameworks. b) IQAC maintains its exclusive website as mandated by the NAAC. The NAAC report, AQARs, Evaluative Reports, Annual Reports, NIRF reports, MoUs, News, Events of IQAC, and many other such useful reports have been uploaded on this IQAC website. c) A Weeklong inperson meeting cum training sessions was held with mini IQAC incharge of all departments to apprise them with information requirements for AQAR and SSR. d) IQAC submitted data for NIRF 2020 and ARIIA 2020. The Panjab University was ranked '2nd' in category of 'Govt. and Govt. Aided Universities Deemed to be Universities' in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2020. e) IQAC is continuously working for the implementation of structured feedback of all stakeholders and program codes and other quality parameters in the university.

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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
Planned to conduct Internal Academic and Administrative Audit via Mock inspections of the university departments.	Under Process
Implement Feedback forms for all stakeholders	Feedback forms got finalized after approval from higher authorities
Implement program codes for all programs	Program codes got finalized after approval from higher authorities
Consolidation of small cognate departments	Under Process
Initiatives for conformity of nomenclature of degree programmes with the UGC guidelines.	Under Process
Implementation of Choice Based credit System	CBCS adopted for following programmes in the year 201920: i. B.Sc. (HS) Biophysics, ii. M.Sc. (HS) Biophysics iii. MSc (Honours) Zoology iv. Masters in Hospitality Management and Catering Technology v. Master in Tourism Travel Management
Implementation of Annual Self-Appraisal for Faculty	Under Process
Cleanliness of Hostels	Measures have been adopted to ensure the following: i. Cleanliness of washrooms, kitchen area, dining area, water purifiers, water tanks and water coolers. ii. Proper procedure for waste collection and waste disposal

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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td>Higher Authorities of Panjab University</td> <td>21-Dec-2020</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Higher Authorities of Panjab University	21-Dec-2020
Name of Statutory Body	Meeting Date				
Higher Authorities of Panjab University	21-Dec-2020				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	18-May-2020				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>1) Campus Portal: University has a fullfledged Management Information System: Campus Portal, a web based online software. Setup in the year 2008, this portal was envisaged as a complete solution for the comprehensive computerization of Administrative Block, Teaching and Non teaching departments of PU. This software is the backbone of the accounts department. Employees of the Panjab University can login to this portal to access their details including salary, provident fund, service history, Form # 16 etc. The main modules of this portal are Employee Portal, Finance, Payroll, Budget, Human Resource, Alumni, Estate and Diary and Dispatch, etc. Almost all financial transactions of PU are being carried out by Campus Portal. Campus Portal is now utilized by thousands of employees of PU for services like salary related information, form 16 etc. It has achieved 100 percent computerization of billing areas such as non plan, plan, scheme, fund etc. 2) Information Resource Portal: Information Resource Portal (IRP) has been inhouse developed and implemented to collect and organize information from various departments, centers and regional centers of the university. The portal is structured and designed to</p>				

fulfill information requirements of various NAAC parameters and other ranking frameworks. 3) Examination and registration Portals: University has implemented online examination and registration portals with following features: a) all the examination related data of all undergraduate and Postgraduate Courses is collected through portals: ugexam.puchd.ac.in and pgexam.puchd.ac.in. b) PUPIN card or Registration Card is made available online at the time of registration. c) Online availability of Admit Card (e admit card). d) Online Collection of Internal Assessment Practical Awards of students of all affiliated colleges and University Departments. e) Online application for Applying Re evaluation f) Examination Grievance Monitoring System. 4) Admission Software: Various Admission applications have been developed and implemented for online admission of following courses: a) online submission of Entrance Test Applications for courses: CET (UG), CET (PG), BA, B.Com. LLB (UG Law), PG Law, MPhil, PhD, PUTHAT, MBA (Executive) at USOL, MET (UIAMS), PUNEET, PULEET. b) Online admission web portal of various UG and PG courses for application form submission and Merit preparation. c) Online Counselling for admission to B.Sc. (Hons.) under the framework of Hons. School System (CBCS) and B. Pharmacy d) Physical Counselling software for on the spot seat allocation to candidates for various courses.

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
MA	MAHRD	M.A. (Human Rights Duties)	09/12/2019
MPhil	MPHHRD	M.Phil (Human Rights & Duties)	09/12/2019
Mtech	MTNN	M.Tech. (Nanoscience and Nanotechnology)	01/07/2019
PhD or DPhil	PHDNSNT	Ph.D.	01/01/2020

		(Nanoscience and Nanotechnology)	
MA	MAPAD	M.A. (Police Administration)	30/06/2020
MPhil	MPPHA	M.Phil. (Police Administration)	30/06/2020
PhD or DPhil	PHDPAD	Ph.D. (Police Administration)	30/06/2020
MA	MAGL	M.A. (Governance and Leadership)	21/08/2019
MA	MAWS	M.A. (Women Studies)	13/08/2019
MA	MAAIH	M.A in AIHC&A	26/09/2019
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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
MA	M.Tech. (Nanoscience and Nanotechnology)	01/07/2019	CHEMISTRY OF NANOMATERIALS MNT 6201	01/07/2019
Mtech	M.Tech. (Nanoscience and Nanotechnology)	01/07/2019	NANOBIOTECHNOLOGY	01/07/2019
MBA	MBA (Banking & Insurance Management)	15/07/2019	Accounting for - MBABI-1003	15/07/2019
MBA	MBA (Banking & Insurance Management)	15/07/2019	Business Environment MBABI-2001	15/07/2019
MBA	MBA (Banking & Insurance Management)	15/07/2019	Business statistics MBABI-1004	15/07/2019
MBA	MBA (Banking & Insurance Management)	15/07/2019	Comprehensive Via-Voce MBABI-2010	15/07/2019
MBA	MBA (Banking & Insurance Management)	15/07/2019	financial management MBA-BI-2002	15/07/2019
MBA	MBA (Banking & Insurance Management)	15/07/2019	Human Resource Management MBABI-2004	15/07/2019
MBA	MBA (Banking & Insurance Management)	15/07/2019	legal and ethical aspects of business MBABI-1006	15/07/2019

MBA	MBA (Banking & Insurance Management)	15/07/2019	Management information system MBABI-1007	07/07/2019
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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
Mtech	M.Tech. (Nanoscience and Nanotechnology) CHEMISTRY OF NANOMATERIALS	01/07/2019
Mtech	M.Tech. (Nanoscience and Nanotechnology) NANOBIOTECHNOLOGY	01/07/2019
Mtech	M.Tech. (Nanoscience and Nanotechnology) PHYSICS OF MATERIALS AND NANOMATERIALS	01/07/2019
Mtech	M.Tech. (Nanoscience and Nanotechnology) ADVANCED NANOMATERIALS AND CHARACTERIZATION	01/07/2019
Mtech	M.Tech. (Nanoscience and Nanotechnology) BASICS OF BIOLOGY AND BIOTECHNOLOGY IN NANOSCIENCE AND NANOTECHNOLOGY	01/07/2019
Mtech	M.Tech. (Nanoscience and Nanotechnology) FOUNDATION OF NANOSCIENCE: PHYSICAL CHEMISTRY ASPECTS	01/07/2019
Mtech	M.Tech. (Nanoscience and Nanotechnology) FOUNDATION OF NANOSCIENCE: QUANTUM & STATISTICAL APPROACH	01/07/2019
Mtech	M.Tech. (Nanoscience and Nanotechnology) LABORATORY I	01/07/2019
Mtech	M.Tech. (Nanoscience and Nanotechnology) LABORATORY II	01/07/2019
Mtech	M.Tech. (Nanoscience and Nanotechnology) NANOCOMPOSITES : STRUCTURE, PROPERTIES & APPLICATIONS	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
BSc	B.Sc. (HS) Biophysics	10/07/2019
MSc	M.Sc. (HS) Biophysics	10/07/2019
MTTM	Master in Tourism Travel Management	01/07/2019
MHMCT	Masters in Hospitality Management and Catering Technology	01/07/2019
MSc	MSc (Honours) Zoology- CBCS	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
Nil	Nil	Nil
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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
BEd	B.Ed.	322
BE	B.E. (EEE)	153
BA	B.A. (HS) LL.B	134
BE	B.E. Chemical Engineering	127
BCom LLB	B.Com (HS) LL.B	121
PGDCA	Post Graduate Diploma in Guidance and Counselling	99
BDS	BACHELOR OF DENTAL SURGERY	87
BE	B.E. (CSE)	81
MSW	Master of Social Work	65
LLB	LL.B.	56
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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

Students give feedback for teaching staff, curriculum and teaching-learning evaluation. Students based feedback on teachers was collected teacher/class/subject wise on curriculum, teaching, learning evaluation basis. Then, consolidated student's feedback was prepared teacher/class/subject wise. Finally, the consolidated student's feedback was analysed and sent to Director IQAC and also provided the same to the teachers. Teachers used this consolidated feedback in stepwise (odd and even semester wise) improvement of the course. More practical component introduced wider coverage of curriculum done. The feedback given by students is utilized for bringing about qualitative changes in these aspects by updating the syllabus, improvement in the teaching-learning and evaluation process. All the inputs and raised concerns by the teachers are taken to the joint forum of Academic, Administrative and Technical committee which is the most powerful organ in the functioning of the institute. As per the suggestions/feedback of the faculty, the content/modality/duration/evaluation is/are amended. From time to time in various academic committee meetings of the department suggestions are sought from faculty for improvement in the curriculum as well as teaching-learning evaluation. They are further implemented in meetings of Undergraduate and Postgraduate Board. Feedback from employers helped in improving the skills of students by organizing workshops, revision of curriculum. Passout students of the institute are regularly called in the institute to interact with the students and also in the annual Induction, Annual function and other flagship events like World Tourism Day celebrations. We believe that alumni feedback is an important source of information for betterment and development of the Alumni Association and every necessary step has been taken for the development of the Alumni Association through feedback received from alumni. We have a suggestion box in the alumni guest house so that alumni can give their feedback whenever they visit in the alumni guest house and are analyzed every week, that if anything needs to be improved and we can give better facilities to our alumni's. Parents interact with class teachers during the induction programme at the beginning of the session and also during parent-teachers' meetings held during the session also.

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
BSc	Maths	48	5021	47
MSc	Maths	70	870	71
PhD or DPhil	Phd Maths	32	Nill	Nill
BSc	Biotechnology	17	Nill	21
MSc	Biotechnology	25	218	25
MA	Community Education and Development	25	250	15
BSc	Special Education (Learning Disability)	32	300	29

BPharm	B. Pharmacy	46	Nil	56
MPharm	Master of Pharmacy in Pharmaceutics	10	519	14
MPharm	Master of Pharmacy in Pharmaceutical Chemistry	10	368	12

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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	6683	4932	283	291	415

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
862	862	39	218	76	32

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

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

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

The institute strives to bridge the gap between the teachers and students by creating an amiable and appreciative environment, where students are encouraged to approach teachers for both educational and personal guidance. The institute seeks to address the needs of the students to have a friend, a counselor and a confidante on the campus and aims at fostering a better rapport between the students and the teachers at a personal level. The institute is well aware that an effective two-way communication enhances the knowledge base for both teachers and students alike and has improved the teacher-student relationship immensely. It aims to motivate its budding scholars for higher studies and entrepreneurship. Apart from providing advice and support for improvement in academic performance, Faculty and Scholar-Mentors are advised to note the performance of the students in tests and examinations and also their behavior towards their peers. The institute seeks to inculcate discipline, punctuality and motivation among its scholars for timely redressal of conflicts in attitude, habits and knowledge of the students towards learning practices. Personalized professional and career advice is given to the students not only by the mentors but various experts through seminars, conferences etc. The workshops, conferences, seminars, symposia and colloquia are interspersed through the year for student advancement. The faculty seeks to ensure that each student makes a judicious choice in selecting the optional papers that not only meets the minimum grade requirements and which can result in the student making efficient and orderly progress in meeting the academic requirements as listed in the course scheme. The faculty also helps to identify and solve problems the student may be confronting in achieving the educational objectives. The faculty is highly competent in providing professional guidance be it regarding professional goals, selection of career, higher education to career advancement i.e., regarding self-employment opportunities, entrepreneurship development, morale, honesty, and integrity required for career growth. The course-specific aspects be it attendance and performance in the present semester and overall performance in the previous semester are also given due importance. The research scholars are made aware of various rules and guidelines to ensure they engage in ethical and qualitative research. The Chairpersons periodically meets the mentors as well as research

scholars and advises them on effective implementation of the student mentoring system. The mentors enthusiastically guide the students regarding the extra academic and professional activities for value addition as a valuable member of the society. The mentors as a means of deterrence also seek to contact the parents/guardians of the students in case of any academic irregularities, behavioral changes for timely amendment and correction. The mentors actively encourage the students to enhance their social commitments and involvement as it instinctively drives faculty and students of the institute to respond to social issues in the society. The institute is earnestly striving to mould intellectually competent, morally upright, socially committed and spiritually inspired persons, at the service of the nation by imparting holistic and personalized education to ensure meaningful and dignified living.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
16312	862	1:19

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
1575	862	713	126	680

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	Jayanth N.Pethkar	Associate Professor	Best PR Teacher - 2018
2020	Prof. Geeta Shukla	Professor	RDC MEMBER
2020	Prof. Geeta Shukla	Professor	RDC member
2019	Ashu Khosla	Associate Professor	Reviewer award by Journal Groundwater for Sustainable Development
2020	Dr. Navneet Kaur	Professor	DVS Jain Best Researcher Award
2019	Gurmeet Kaur	Assistant Professor	IUGS PC member
2019	Gurmeet Kaur	Assistant Professor	Vice Chair IUGS HSS
2019	Parampreet Kaur	Associate Professor	National Geoscience Award-2018
2020	Dr. Dipti Sareen	Associate Professor	Received special recognition by a jury in a government-Initiated contest for her research in an efficient and effective

synergistic antimicrobial agent, useful against drug resistance bacterial species.

2019

Mahesh Sharma

Professor

ARC Discovery International Award 2017-20

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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
PG Diploma	ADFRE	1	30/09/2020	20/10/2020
PG Diploma	ADPER	1	30/09/2020	28/10/2020
PG Diploma	ADRUS	1	30/09/2020	20/10/2020
PG Diploma	ADURD	1	30/09/2020	28/10/2020
PG Diploma	ADCHI	1	30/09/2020	29/10/2020
PG Diploma	ADGER	1	30/09/2020	20/10/2020
PG Diploma	BPHAR	1	30/09/2020	15/10/2020
PG Diploma	BA	1	08/07/2019	17/10/2020
PG Diploma	BALLB	1	29/09/2020	20/10/2020
PG Diploma	BABED	1	30/06/2020	30/10/2020

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	31034	0

2.6 – Student Performance and Learning Outcomes

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

<https://iqac.puchd.ac.in/naac/2?11541221122020>

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
MSCMP	MSc	M.Sc. (Medical Physics)	16	16	100

MSCNM	MSc	M.Sc. (Nuclear Medicine)	14	14	100
MAPAD	MA	M.A. (Police Admi nistration)	23	17	73.9
MPH	MA	Master in Public Health	20	16	80
MASW	MA	M.A. (Social Work)	32	30	93.8
MSCSC	MSc	M.Sc. (Stem Cell)	18	18	100
MSCSBB	MSc	M.Sc. (System Biology & Bi oinformatics)	13	13	100
MAGL	MA	M.A. (Governance and Leadership)	4	4	100
MAWS	MA	M.A. (Women Studies)	19	18	94.7
PGDWS	PG Diploma	PG Diploma in Women Studies	1	1	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://iqac.puchd.ac.in/docs/2020/20201216163736-final-mergedcompressed.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	Dr. Sanjeev Gautam	DST- JNCASR	31/10/2019	DST-Synchrotron-Neutron project to carry out the experiment
National	Prof. Daizy Rani Batish	The Indian Science Congress	04/01/2020	Dr. V. Puri Memorial Award

		Association		
International	Prof. Daizy Rani Batish	The International Society of Environmental Boanists (ISEB, a Scientific member of IYBS, Paris)	06/03/2020	ISEB Fellowship
International	Prof. Jagat Bhushan	Board of Regents	10/12/2019	Academy of Dentistry International
National	Prof. Jaspal Kaur Kaang	The prestigious award has been conferred upon her at the celebration of National Education conclave and SOE Global Education Awards 2019. The award is presented to her by the School of Educators on 9th November 2019 at constitutional club of Delhi In	09/11/2019	Eminent Personality in Sikh Scholarship
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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
Post Doctoral Fellowship	1095	UGC
National Fellowship for ST Candidates	730	UGC
Mullan Azad National Fellowship	1825	UGC
National Fellowship for SC Candidates	1825	UGC
Junior Research Fellowship	1825	UGC
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Interdisciplinary Projects	60	GIAN	6	0
Interdisciplinary Projects	60	GIAN	6	0
Industry sponsored Projects	360	Fresenius Kabi Oncology Limited Pvt. Ltd.	15	15
Industry sponsored Projects	360	Techinvention Lifecare Pvt. Ltd.,	6	6
Industry sponsored Projects	360	Usha internationals	0.65	0.65
Industry sponsored Projects	180	Chandigarh Administration	5.27	4.05
Industry sponsored Projects	1440	esteem industries	26.9	26.9
Interdisciplinary Projects	720	DST	50	2
Interdisciplinary Projects	360	Department of Science and Technology Chandigarh Administr	1	1
Interdisciplinary Projects	60	GIAN	2	0.08

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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
Role of Shri Guru Nanak in Shaping Society, Literature and Spirituality	Department of Hindi	16/11/2019
Frontiers in Biochemistry	Department of Biochemistry	29/11/2019
One Day National Seminar	Dr SS Bhatnagar University Institute of Chemical Engg. Tech.	19/09/2020
Careers in Linguistics	Department of English Cultural Studies	06/02/2020
Distinguished Lectures 2020	Department of English Cultural Studies	07/02/2020

Seminar on Cultural Studies for Post Graduate Students and Research Scholars	Department of English Cultural Studies	20/02/2020
MELOW INTERNATIONAL CONFERENCE, 2020	Department of English Cultural Studies	21/02/2020
A.C.BALI MEMORIAL AND KRISHAN KISHORE GROVER GOODWILL DECLAMATION CONTEST	Department of English Cultural Studies	28/02/2020
Research in the Time of a Pandemic (a Seven Day E-Learning Workshop)	Department of English Cultural Studies	21/04/2020
THE WRITE TIME NOTHING CAN DETER THE SPIRIT OF A LEARNER! SOCIAL DISTANCE, HERE WE COME! E-learning series	Department of English Cultural Studies	08/05/2020
Spring Up! An International Seven Day E-Learning Workshop on Language, Literature and Theory	Department of English Cultural Studies	15/05/2020
IN-DEPTH: An International 5 Day E-Learning Workshop	Department of English Cultural Studies	06/06/2020
One day Workshop on Implementation Challenges of Koha, RFID Technology LMS Integration	Department of Library Information Science	28/02/2020
Great Learning Academy conducted Live session on "Introduction to Java"	Department of Computer Science Applications	23/04/2020
An online workshop on How to prepare for competitive coding and placements in IT/Software companies? By PrepBytes in association with Data Science club, GIET.	Department of Computer Science Applications	24/04/2020
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
'Eminent Personality in Sikh Scholarship' Presented by SOE Global School of Education Award 2019, Facilitation of	Dr. Jaspal Kaur Kaang	Panjab University Syndicate and Senate.	13/07/2019	Teacher

Award by Panjab University Syndicate and Senate.				
A NOVEL ORTHODONTIC BRACKET PLACEMENT INSTRUMENT AND SYSTEM	Dr Deepak Kumar Gupta	MINISTRY OF COMMERCE AND INDUSTRY, Department for Promotion of Industry and Internal Trade (DPIIT), Copyright Office, Boudhik Sampada Bhawan, Plot No. 32, Sector 14, Dwarka, New Delhi-110078 Telephone No.: 011-28032496	28/01/2020	Teacher
Musannif-e-Awadh Award 2020	dr. ali abbas	Salam Lucknow	20/01/2020	Teacher
"Anti-carcinogenic extract from Pithecellobium dulce"	Dr. Rohit Sharma	pfizer and IIT-Delhi	20/03/2020	Teacher
Certificate of appreciation	Mr. Vikas Sharma	Panjab University	26/01/2020	other
Received special recognition by a jury in a government-Initiated contest for her research in an efficient and effective synergistic antimicrobial agent, useful against drug resistance bacterial species.	Dr. Dipti Sareen	Anti Microbial (AMR) Quest 2020 by CARB-X /C- CAMP	30/06/2020	Teacher
Member expert panel, for the position of assistant prof. Biophysics subject	Prof. M.L. Garg	Institute of Advanced Study in Science and Technology, An Autonomous Institute Under Department of Science	08/07/2020	Teacher

		Technology, Govt. of India Paschim Boragaon, Garchuk, Guwahati-781035, Assam		
AMI Best Unit Award	Dr. Naveen Gupta	AMI	16/11/2020	other
Rootworkz E learning System	Naveen Aggarwal	Punjab State council of Science and Technology	20/01/2020	Teacher
Motion Sensing Glove	Student of UIET	National Innovation competition conducted by MHRD	07/11/2019	Student
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Department of Microbial Biotechnology	BioNEST, P-U, Chd	BIRAC, NEW DELHI	Kinvac Innovations LLPs	Secondary Agriculture	23/05/2019
Department of Microbial Biotechnology	BioNEST, P-U, Chd	BIRAC, NEW DELHI	MICROFOODS PVT. LTD.	LIFESCIENCE	03/09/2019
Department of Geology	Entrepreneurship, Employability and Innovation (EEI) Hub	RUSA	NA	NA	Nil
University Institute of Pharmaceutical Sciences	Panjab University Pharma Technology Incubator (PUPTI)	Self-sponsored	NA	NA	Nil
No file uploaded.					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Dept. of Art History Visual Arts	1
Dept. of Phy. Edu.	15
Dept. of Community Education and Disability	29

UIET	23
Dept. of English Cultural Studies	11
Dept. of French Francophone Studies	1
Dept. of Hindi	1
Dept. of Punjabi	7
Dept. of Sanskrit	3
Dept. of Urdu	1
Dept. of UILS	16
U.I.P.S.	11
Dept. of Chemistry	11
School of Public Health	1
Dept. of Anthropology	2
Dept. of Biochemistry	4
Dept. of Biophysics	3
Dept. of Biotechnology	10
Dept. of Botany	13
Dept. of Computer Science Applications	7
Dept. of Environment Studies	1
UIFT Vocational Development	6
Dept. of Geology	1
Dept. of Microbiology	8
Dept. of Physics	9
Dept. of Statistics	1
Dept. of Zoology	4
Dept. of Mathematics	1
Institute of Forensic Science Criminology	1
Centre for Nuclear Medicine	1
Dept. of Urdu	1
Dept. of Defence and National Security Studies	4
Dept. of Economics	5
Dept. of Gandhian and Peace Studies	2
Dept. of Guru Nanak Sikh Studies	2
Dept. of History	7
School of Communication Studies	5
Dept. of Philosophy	4
Centre for Police Administration (UIEASS)	1
Dept. of Political Science	3

Dept. of Psychology	5
Dept. of Public Admin.	2
Centre for Social Work	2
Dept. of Sociology	4
Dept. of Geography	3
Dept. of Economics	2
Dept. of Guru Nanak Sikh Studies	1
Centre for Human Rights Duties	1
Deptt. of Evening Studies (MDRC) (Economics)	1
U.B.S.	8
Dept. of Music	7

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	Centre for Medical Physics	1	5.97
International	Centre for Nuclear Medicine	4	1.32
International	Department Cum National Centre for Human Genome Studies Research	3	2.27
International	Department of Anthropology	26	6.62
International	Department of Biochemistry	46	3.48
International	Department of Biophysics	29	2.94
International	Department of Biotechnology	26	3.13
International	Department of Botany	11	4.99
International	Department of Chemistry	97	4.05
International	Department of Computer Science Applications	5	1.31
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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 Management Sciences	1
P.U. S.S. Giri Regional Centre,	21

Hoshiarpur	
Dr Harvansh Singh Judge Institute of Dental Sciences Hospital	8
Department of Urdu	2
Department of Statistics	1
Department of Community Education Disability Studies	4
Department of Biophysics	4
Department of Gandhian and Peace Studies	1
Department of Microbial Biotechnology	3
Department of Political Science	4
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Novel process of production of 2-Hydroxybenzoic acid from 2Hydroxybenzonitrile using a transformed	Filed	TEMP/E1/28329/2	05/07/2020
NOVEL SCALE-UP BIOREACTORS FOR MULTIPLE PROCESS OPTIMIZATIONS	Filed	201911027001	05/07/2019
Enzyme based hair dye formulation	Filed	201911030032	25/07/2019
Nano-functionalized natural fiber with improved photocatalytic and antimicrobial properties	Filed	202011003954	02/02/2020
Diagnostic kit for in vitro diagnosis of rheumatoid arthritis (RA) and method of use thereof.	Filed	329706	20/01/2020
ANTI-BIOFOULING COMPOSITION AND USES THEREOF	Filed	202011003836	28/01/2020
PROBIOTIC AND CURCUMIN WOUND DRESSING	Filed	202011004849	04/01/2020
Utilization of metallo-catanionic	Filed	1911035464	03/09/2019

vesicles in the photodynamic therapy against gram positive and gram negative bacteria			
A System for Detection of Water Level and Volume Retention	Published	201811036454 A	12/08/2020
A Process for the production of laccase enzyme and of pulp biobleaching employing said enzyme	Filed	202011001901	16/01/2020
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Colonization of mouse vagina with Pseudomonas aeruginosa: A plausible explanation for infertility	Harpreet Vander and Vijay Prabha	Microbial Pathogenesis	2019	0	Department of Microbiology, Panjab University, Chandigarh	Nil
Contraceptive efficacy of sperm agglutinating factor from Staphylococcus warneri, isolated from the cervix of a woman with inexplicable infertility	Neeraj Chandra Pant, Ravinder Singh, Vijaya Gupta, Aditi Chauhan, Ravimohan Mavududru, Vijay Prabha,	Reproductive Biology and Endocrinology	2019	0	Department of Microbiology, Panjab University, Chandigarh	Nil
Evaluation of Sperm	Aditi Chauhan and Vijay	BioMed Research International	2019	0	Department of Microbi	Nil

Impairing Factor from <i>Serratia marcescens</i> as Male Contraceptive in Mouse Model	Prabha	al			ology, Panjab University, Chandigarh	
Clinical relevance of cholesterol homeostasis genes in colorectal cancer.	Prof. Navneet Agnihotri	Biochimica et Biophysica Acta - Molecular and Cell Biology of Lipids	2019	3	Panjab University Chandigarh	2
LC-HRMS based approach to identify novel sphingolipid biomarkers in breast cancer patients.	Prof. Navneet Agnihotri	Scientific Reports	2020	3	Panjab University Chandigarh	Nil
Genomic analysis of Indian strains of <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhi indicates novel genetic repertoire for pathogenicity and adaptations	Prabhjot Kaur Sekhon, Atul Munish Chander, Shanmugam Mayilraj, Praveen Rishi	Molecular Biology Reports	2019	2	Panjab University, Chandigarh, India.	2
Prophylactic potential of cytolethal distending toxin B (CdtB) subunit of typhoid	Reena Thakur, Preeti Pathania, Navneet Kaur, Vattan Joshi, Kanthi Kiran	Scientific Reports	2019	0	Panjab University, Chandigarh, India.	Nil

toxin against Typhoid fever	Kondepudi, Raman Chander Sur					
A novel multi-enzyme preparation produced from <i>Aspergillus niger</i> using biodegradable waste: a possible option to combat heterogeneous biofilms	Arashdeep Kaur, Valbha Rishi, Sanjeev K Soni, Praveen Rishi	AMB Express	2020	0	Panjab University, Chandigarh, India.	Nil
Analysis of the usage and diversity of grey literature in addiction research: a study. Collection and Curation,	Shrivastava, R., Mahajan, P.	Emerald Publishing	2020	0	Panjab University, Chandigarh, India.	Nil
Library Performance Assessment of Service Quality through LibQUAL: The Case of Maharshi Dayanand University (MDU), Rohtak (India)	Anil Kumar, Preeti Mahajan	Library Philosophy and Practice	2019	0	Panjab University, Chandigarh, India.	Nil

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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
PARP-1	Prof.		2019	4	5	Panjab

inhibition provides protection against elastase-induced emphysema by mitigating the expression of matrix metalloproteinases	Rajat Sandhir	Molecular and Cellular Biochemistry				University Chandigarh
Garcinol, a multifaceted sword for the treatment of Parkinsons disease	Prof. Rajat Sandhir	Neurochemistry International	2019	4	8	Panjab University Chandigarh
Molecular characterization and immunogenic function of ML1899 (LipG) of Mycobacterium leprae	Prof. Archana Bhatnagar	Journal of medical microbiology	2019	2	Nil	Panjab University Chandigarh
Determination of an organophosphate pesticide using antibody immobilised hybrid nanocomposites	Dr. Nirmal Prabhakar	International Journal of Environmental Analytical Chemistry 2019	2019	2	Nil	Panjab University Chandigarh
Determination of an organophosphate pesticide using antibody immobilised hybrid nanocomposites	Prof. Archana Bhatnagar	International Journal of Environmental Analytical Chemistry 2019	2019	2	Nil	Panjab University Chandigarh
Clinico-	Prof.	Clinical	2020	2	Nil	Panjab

genetic model to predict methotrexate intolerance in rheumatoid arthritis	Archana Bhatnagar	Rheumatology				University Chandigarh
Altered Tregs and oxidative stress in pregnancy associated lupus	Prof. Archana Bhatnagar	Adv Rheumatol	2019	2	Nil	Panjab University Chandigarh
Oxidative stress and immune complexes: Pathogenetic mechanisms in pristane induced murine model of lupus	Prof. Archana Bhatnagar	Immunobiology	2019	2	Nil	Panjab University Chandigarh
Prophylactic effect of resveratrol and piperine on pristane induced murine model of lupus-like disease	Prof. Archana Bhatnagar	Inflammo pharmacology	2020	2	Nil	Panjab University Chandigarh
Combinatorial therapeutic effect of resveratrol and piperine on murine model of systemic lupus erythematosus	Prof. Archana Bhatnagar	Inflammo pharmacology	2019	2	Nil	Panjab University Chandigarh

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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	270	617	72	319
Presented papers	110	196	19	94
Resource persons	62	182	21	67
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Prof. A. K. Sinha, Anthropology	SIA project for acquisition of 0.66 acres of land for International Airport Chd.	Consultancy	189871
Prof. Deepak Kapur, UBS	2nd Installment of Project from Punjab State Regulatory Commission	Consultancy	220982
Dr. J. S. sehrawat, Anthropology	SIA project developemnt of International Airport at Halwara	Consultancy	118130
Dr. J. S. sehrawat, Anthropology	SIA project for acquisition of land for Govt. High School at Kishangarh	Consultancy	164207
Dr. J. S. sehrawat, Anthropology	SIA project developemnt of International Airport at Halwara	Consultancy	523672
Dr. Mahesh Thakur, Geology	M/S. Geo Global Consultant, Mohali	Consultancy	59492
Dr. Ashish Saihjpal, UBS, Ludhiana	Payment for consultancy project funded by M/S. Bharti Realty Holdings LTD. Ludhiana	Consultancy	43200
Dr. Puneet Kaur	Paymeny for consultancy project funded by M/S. Brighten Control LLP, Bangalore	Consultancy	200000
Dr. J. S.	SIA projectfor	Consultancy	193614

sehrawat, Anthropology	acquisition of 6.2938 acre land for 1.90 km long 45 feet wide road from Dehlon bypass, Ldh.-Malerkotla road funded by GLADA Ludhiana		
Prof. Savita Gupta, UIET	SIA project for acquisition of land for 04 lanning of J hajjar-Farukhnagar- Gurugram funded by HSIIDC, Panchkula	Consultancy	392700
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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
Prof. Cecelia Antony, Chairperson French Francophone Department	Training Programme Organised by French Francophone Studies Department, P.U. Chd. funded by M/s. Punjab Heritage Tourism Promotion Board sector - (38), Chandigarh	Guides associated with M/s. Punjab Heritage Tourism Promotion Board sector - (38), Chandigarh	194125	14
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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
Organizing Secretary for the Symposium Alumni meet Frontiers in Biochemistry 2019	Others	1	92
Presented the poster entitled Bioactivity analysis of a recombinant Roseocin, a Two-Component Lantibiotic from an	Extension Lectures	1	92

Actinomycete			
Plagiarism and OER	Extension Lectures	1	70
Emerging Dynamics in Pakistan	Extension Lectures	1	70
Application of foldscope in invoking ineterest for science in masses	Extension Lectures	1	30
"Understanding Curriculum and Its Design and Importance of Curriculum" and "Curriculum Designing with Inclusive Approach"	Extension Lectures	1	80
on "Universal design for Learning: Meeting the Needs of Diverse learners"	Extension Lectures	1	70
"Assessment and Evaluation in higher education" and "Assessing students learning and performance"	Extension Lectures	1	50
"PWD Act 1995 v/s RPWD Act 2016	Extension Lectures	1	50
Presented a poster entitled "Aberrations in cholesterol homeostatic pathway and their clinical relevance in colorectal cancer"	Extension Lectures	1	100
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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
Anti Microbial (AMR) Quest 2020 by C- CAMP	Dr. Dipti Sareen, an Associate Professor From Dept. of Biochemistry Panjab University Received special recognition by a jury in a	Centre for Cellular and Molecular Platforms (C-CAMP) UAS-GKVK Campus, Bellary Road, Bangalore 560 065, Karnataka, India	Nil

	government-Initiated contest for her research in an efficient and effective synergistic antimicrobial agent, useful aga		
CSIR-SRTP online for Mega Project # 13	Mentorship	CSIR-NEIST	17
NSS UNIT AWARD FUNCTION	CERTIFICATESMOMENTO	PANJAB UNIVERSITY	270
STATE LEVEL INDEPENDENCE DAY PARADE (SECOND POSITION) PU NSS UNIT	CERTIFICATESMOMENTO	CHANDIGARH ADMINISTRATION	30
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh bharat Summer internship	Organized by Ministry of Jal Shakti in association with Ministry of Youth Affairs and sports, Department of NSS, Panjab University	SWACHHATA MELA	12	500
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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
Commonwealth Split-site Scholarships	Bunty Sharma/ Dr. Gurpreet Kaur and Prof. Ganga Ram Chaudhary	Commonwealth Scholarships Commission	367
Joint Research Project	Edouard Machery	john templeton foundation	1097
Union budget 2020-2021: Live session Interaction	Department of Economics	FICCI	1
Research Centre	Chairperson	DRDO	1096
Clean Diwali-	NA	NA	2

Green Diwali			
Fighting Climate Change Through Diet	NA	NA	1
Participation in the Research Project	Dr. Naveen Gupta	NA	700
Collaborative Research	BioNEST-PU	Corporate	184
Cleaniness Drive to Mark Celebration of Gandhi Jayanti	NA	NA	1
Scheme for Promotion of Academic and Research Collaboration (SPARC), MHRD, GoI	Dr. Rohit Kumar Sharma	MHRD, GoI	731
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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
Beyond the Boundaries of Hetrnorm ative: A Study on socio-Economic Profile of MSMs in Chandigarh	On Job Training	Centre for Research in Rural and Industrial Development (CRRID), Chandigarh.	01/07/2019	27/11/2019	Kuldeep singh
Socio-Economic status of Women in Reh abilitated Colonies of Chandigarh	On Job Training	Centre for Research in Rural and Industrial Development (CRRID), Chandigarh.	10/07/2019	29/11/2019	Shikha
Assessment of the Role of KVK Traning in Enhancing the Income and Employment in Punjab	On Job Training	Centre for Research in Rural and Industrial Development (CRRID), Chandigarh.	01/07/2019	14/11/2019	Ravneet Kaur
GIG	On Job	INSTITUTE	16/07/2019	30/11/2019	Akshay

ECONOMY IN CHANDIGARH: PROFILE OF FOOD DELIVERY WORKERS.	Training	FOR DEVELOPMENT AND COMMUNICATION (IDC), Sector 38-A, CHANDIGARH			Pathania
Analysis of Profitability and Exports of Rice Mills in Jalalabad Block of Punjab	On Job Training	Centre for Research in Rural and Industrial Development (CRRID), Chandigarh.	01/07/2019	21/11/2019	Priyanka
Efficiency and Productivity of India Automobile Sector: A Non- Radial Data Envelopment analysis approach	On Job Training	Faculty of Economics, South Asian University (SAU), New Delhi	01/07/2019	10/11/2019	Dilpreet Sharma
FORMALISATION IN AN ECONOMY AND EFFECTIVENESS OF WHO AGREEMENTS	On Job Training	Centre for WTO Studies (under Department of Commerce, Ministry of Commerce) new Delhi	16/07/2019	30/11/2019	Anjali Chandok
Role of ICT in Agricultural Development: A Case Study of Two Districts of Haryana.	On Job Training	Centre for Research in Rural and Industrial Development (CRRID), Chandigarh.	05/07/2019	28/11/2019	Divya Oberoi
SOCIO-ECONOMIC PROFILE OF SECURITY GUARDS IN CHANDIGARH	On Job Training	INSTITUTE FOR DEVELOPMENT AND COMMUNICATION (IDC), Sector 38-A, CHANDIGARH	16/07/2019	30/11/2019	Ankur Dhiman
State-wise Implementation of MGNREGA: A Non-parametric DFA and Super-Efficiency	On Job Training	Faculty of Economics, South Asian University (SAU), New Delhi	01/07/2019	10/11/2019	Arushi Jain

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
PUNJAB REMOTE SENSING CENTRE (PRSC)	07/08/2019	X Exchange of Staff related to research in programmer for the mutual benefit of both institutions	70
London School of Management Education	22/07/2019	Research activities	Nil
National Clean Air Programme (NCAP), Govt. of India, (2019)	31/03/2020	Awareness	500
CHANDIGARH POLICE	31/07/2019	MEMORANDUM OF UNDERSTANDING between PANJAB UNIVERSITY, CHANDIGARH AND CHANDIGARH POLICE	Nil
Institute of Vedic and Astrological Sciences	01/07/2020	Academic	33
Infosys	01/07/2019	Trainings	150
Medhaavi Center For Automotive Research	01/07/2019	Students Activities IQAC Activities	100
IIM-Kozhikode	30/07/2019	To get Cat Score	46
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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
3512.72	3512.72

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Newly Added

Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Newly Added
Classrooms with LCD facilities	Existing
Seminar Halls	Newly Added
Seminar Halls	Existing
Laboratories	Newly Added
Laboratories	Existing
Class rooms	Newly Added
Class rooms	Existing
Campus Area	Newly Added
Campus Area	Existing
Classrooms with LCD facilities	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
Seminar halls with ICT facilities	Newly Added
Video Centre	Existing
Video Centre	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
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
SLIM21	Fully	21	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	612034	9809954	1106	1668044	613140	11477998
e-Books	483	2265604	2364	7724114	2847	9989718
Library Automation	50	2000000	16	1300000	66	2130000

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Sarbjeet Singh	Web Technologies Practical	Moodle	01/01/2020
Dr. Naveen Aggarwal	Artificial Intelligence Lab	Moodle	01/07/2019
Dr. Naveen Aggarwal	Artificial Intelligence	Moodle	01/07/2019
Dr. Naveen Aggarwal	Data Mining and Analysis	Moodle	01/01/2020
Dr. Naveen Aggarwal	Data Mining and Analysis Lab	Moodle	01/01/2020
Dr. Sarbjeet Singh	Smart System Design	Moodle	01/07/2019
Akashdeep	Data Structure	Moodle	02/09/2020
Akashdeep	Compiler Design	Moodle	08/01/2020
Akashdeep	Machine Learning	Moodle	08/01/2020
Dr. Kuldeep Kaur	Behaviorism, cognitivism, constructivism, connectionism learning theories and its implications for ICT integration in education	NCTE	01/01/2020

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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	2648	115	0	115	1	190	78	2450	0
Added	138	2	0	2	0	0	0	45	0
Total	2786	117	0	117	1	190	78	2495	0

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

2495 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
--	--

CC e-content development

<http://webcast.pu.ac.in>**4.4 – Maintenance of Campus Infrastructure**

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
9982.47	8271.88	377.9	234.76

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)

P.U has a well-documented and tested mechanism for optimal usage of its infrastructural facilities. Some of the salient features of the policy include:

- 1) Weekly verification of the upkeep and maintenance of the infrastructural facilities including the laptops, LCDs, Smart Boards, generator set.
- 2) It follows the policy of preventive maintenance through periodic checks of working of various equipment
- 3) Maintenance of the Complaint register and its regular monitoring so that items are repaired immediately
- 4) Prompt Stock entry on receipt of goods and maintenance of records digitally
- 5) Financial Prudent policies pursued with internal finance pre-audit
- 6) Annual Stock verification at end of the Financial Year
- 7) Frequent meetings of the Academic, Administrative and Technical Committee meetings to deliberate and resolve issues concerning students, faculty and administration
- 9) Activity Schedule of various academic and cultural activities prepared in consultation with the faculty and the students

<https://puchd.ac.in/important-documents.php>

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	orphans, Freeship, Student Aid Fund etc	865	42422410
Financial Support from Other Sources			
a) National	Post Matric Scholarship Scheme to SC students of Punjab Govt.	1646	34096811
b) International	NIL	Nil	0

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Career counseling	06/02/2020	30	Central Placement Cell, Panjab University

Career counseling	05/02/2020	25	Central Placement Cell, Panjab University
Soft skills development	30/01/2020	120	Central Placement Cell
Career counseling	04/03/2020	89	Employment Bureau
others	13/02/2020	210	ITBP
Mentoring	29/02/2020	89	Panjab University
Career counseling	28/02/2020	85	Employment Bureau
Soft skills development	19/02/2020	37	Panjab University
Soft skills development	27/07/2019	40	USOL faculty
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	IAS (PRE), UGC NET paper 1, PCS (Judiciary)	165	55	10	1037
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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
74	60	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Bhagwati Law Associates, SCF 106, 3rd Floor, Phase 7, Mohali	14	3	District Early Intervention Centre, National Health Mission, Civil Hospital, Ropar,	1	1

[View File](#)

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	NIL	Department of Lifelong Learning Extension	HBSE	BA
2019	1	PG1	Department of Defence and National Security Studies	Panjab University, Chandigarh	PHD
2019	5	PG1	Department of Library & Information Science	Panjab University, Chandigarh	PHD
2019	1	PG2	Department of Ancient Indian History, Culture & Archaeology	Panjab University, Chandigarh	PHD
2019	1	PG2	Department of Biochemistry	AIIMS Rishikesh, Uttrakhand	NIL
2019	1	PG2	Department of Biochemistry	Macquarie University, Sydney, Australia	M.Sc. Biot echnology
2019	1	PG2	Department of Biophysics	IIT Ropar	PHD
2019	1	PG2	Department of Biophysics	PGIMER	PHD
2019	1	PG2	Department of Botany	CSIR, Palampur	PHD
2019	1	PG2	Department of Botany	GNDU	PHD

[View File](#)

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
GATE	28
NET	28

CAT	2
SLET	4
Any Other	2
No file uploaded.	

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

Activity	Level	Number of Participants
Others	state	91
Others	others	1834
Others	national	305
Sports	state	419
Sports	others	1120
Sports	national	1600
exhibition	others	100
cultural	state	507
cultural	others	1743
cultural	international	36
View File		

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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	All India Inter University	National	1	Nil	15088	Paramjot Singh
2019	North Zone Inter University	National	1	Nil	16045337	Abhishek Chauhan
2019	All India Inter University	National	1	Nil	16067051	Kajal
2019	All India Inter University	National	1	Nil	16067051	Kajal
2019	North Zone Inter University	National	1	Nil	16073167	Gourav Kumar
2019	Deepanshu Dahiya 199 17000198 sports	National	1	Nil	16073312	Mahavir Singh

	national All I					
2019	North Zone Inter University	National	1	Nil	17090127	Manpreet Kaur
2019	All India Inter University	National	1	Nil	18093416	Adity Dogra
2019	North Zone Inter University	National	1	Nil	18093457	Anjali
2019	North Zone Inter University	National	1	Nil	18093658	Himaansh ika
View File						

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

The Annual Sports Day of the Department of Biochemistry was held on 20.02.2020 from 9:00 am onwards in the Sports Ground, Panjab University, Chandigarh 4) Secret Santa- On 25th December 2019, our club in collaboration The Rotaract Club of MCM DAV and Chandigarh Midtown distributed blankets and clothes to the residents of Jagatpura and Sector 38 Chandigarh. The same was done to celebrate the occasion of Christmas and bring a smile on the faces of the poor people. The same was carried under the title of Secret Santa. We had a total of 30 volunteers who participated in this project. 3) Pad A Girl- A team of 60 members from the club went to the slums of Sector 38West, Chandigarh to carry out a sanitary drive amongst residents of the slum community. We engaged a doctor with us who spread awareness about the importance of sanitary pads, menstruation not being a taboo and gender sensitization. A total of 2200 pads donated by our department students were donated, which also marked the end of the drive. The project date was implemented on 9th October 2019. Stay In Stay Fit Challenge- In the month of May, we at the club decided to spread awareness about the idea of fitness and its positive impact on our mental health and overall holistic development. We received more than 100 videos from both, old and young segments of the society propagating the idea of daily fitness through dancing, sports, gym, etc. The project marked the end of the foundational year of the club. This project was implemented in May 2020 2) Literacy Drive- Collaborating with The Rotaract Club of Islamabad, Bangladesh, our club planned and executed an international project based on generating educational awareness titled- 'Pen Will Bring Change' (Kalam Layega Badlaav) in the slums of Sector 38C, Chandigarh on 22 September 2019 for children aged 6 to 14 years. The project was carried out to celebrate the International Literacy Day, on 8th September. about basic sanitation, water conversation and the importance of science. The literacy drive ended with a musical performance from our team and with the distribution of snack items to the children. During this drive, we made sure that parents of the slum children were also present so that they too are informed and realize the importance of educating the kids. 8) Fam-Bam Project- To spread joy and highlight the importance of family in our lives, our club encouraged students from our department and other members of the society to share their lockdown experiences at home with their family on social media and highlight the importance of family, happiness and mental health. We received participation in the form of pictures and videos playing board games, cooking with their mothers, playing with pets, etc. This project was carried out in the month of April 2020, with a total of around 100 entries received. 1)

Tree Plantation Drive- On 24th August 2019, a tree plantation drive called "Each One Plant One" was carried

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institution has registered Alumni Association in the name of Panjab University Alumni Association (PUAA) registered with the Registrar of Societies on 16/02/1978 under societies act U.T. Chandigarh

5.4.2 – No. of registered Alumni:

690

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

81500

5.4.4 – Meetings/activities organized by Alumni Association :

- The Department of Alumni Relations in collaboration with the Department of Urdu organized a one day seminar on 18 April, 2019 to commemorate the 100th Birth Anniversary of the Urdu Novelist, Poet, Biographer and PU Alumnus Padma Shree Janab Kashmiri Lal Zakir.
- The Panjab University Alumni Association organized a film screening and discussion session with Professor M.L. Raina, who has been Emeritus Fellow and Professor at the Department of English and Cultural Studies. The film to be screened was The Remains of the Day, based on a novel of the same name by Kazuo Ishiguro. The screening cum interactive session was organized in the English Auditorium, Panjab University, Chandigarh
- The Panjab University Alumni Association in collaboration with the Department of Art History and Visual Arts celebrated International Yoga Day on June 21, 2019 at Alumni House, Panjab University, Chandigarh. Inder Siddhu, founder In lighten Global was the Guest Speaker.
- The Scholarship Award Function and the Annual General Body Meeting of the Panjab University Alumni Association was held on June 24, 2019 for honoring topper students with cash prize trophy.
- Public Relations Council of India Chandigarh Chapter in association with the PU Alumni Association was celebrating the Daughters Day on 6th July 2019 at the English Auditorium, Panjab University Chandigarh. Professor Nishtha Jaswal Vice-Chancellor of the Himachal Pradesh National Law University (HPNLU) was the Guest of Honour. On this occasion, some of the Daughters of our City were recognized for their accomplishments.
- Social Substance Group in Collaboration with PUAA organized a event on Poetry on Jul 13, 2019 at the Dept. of Alumni Relations
- Panjab University Alumni Association organized Gaatha Jallianwala Bagh in collaboration with North Zone Cultural Centre, Patiala on 23rd July 2019 at Law Auditorium, Panjab University, Chandigarh.
- Alumni House organized a Tree Plantation Drive on July 25, 2019. One this occasions each distinguished professor and former Vice-Chancellor planted a tree on the premises.
- Panjab University Alumni Association organized a counselors meeting and counseling session for the girls on Aug 3, 2019. The meet was attended by Ms. Neelam Dhamija, Ms. Y.K. Sharma, Ms. Kamal Malhi, Ms. Shubha Nehra, Ms. Anaya Poonam, Ms. Iti Sarin, Ms. Shikha Bansal, Mr. Susihl Hindustani and Dr. Arun Bansal. Ms. Dhamija and Ms. Sharma are both experienced and veteran counselors visiting various government schools of Chandigarh. Ms. Malhi is a trained counselor who heals by holistic methods including meditation. Ms. Shubha Nehra is an expert of food and wellness programs. Ms. Anaya Poonam works with drug addicts at National Level
- Panjab University Alumni Association (PUAA) organized blood donation camp in collaboration with Vishvas Foundation and HDFC Bank Organisation, for faculty, staff, students, residents of the Campus and general public ins Alumni House premises on 27th Septembe

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)

a) Subject to the provisions of Panjab University Act, the higher authority of the University is vested in the Senate which consists of - (a) Chancellor, (b) Vice-Chancellor, (c) Ex-Officio Fellows and (d) Ordinary Fellows. The Vice-Chancellor is the principal executive and academic officer of the University and exercises general control over its affairs in accordance with the statutes, rules and regulations. The Syndicate is the executive authority of the University and monitors the progress and achievements of the performance. The Syndicate, subject to the control of the Senate has the power of management of the revenue, property and all administrative affairs of the University. The Academic Council is the highest academic body of the University. It is responsible for maintenance of standards of instruction, education and examination of the University and other academic matters. The three bodies have adequate representation from the divergent set of stakeholders namely University faculty, affiliated college principals and faculty, academic administration as well as eminent personalities of society. This diversity in the higher bodies enables the leadership to interact with the stakeholders and in identifying the organizational needs. The University has 80 departments and centres which are headed by chairperson/director of the department and centre. In some of big departments, work has been further decentralized by deputing coordinators for different programmes. The coordinators take the responsibility for smooth conduct of the assigned programme/s. b) The departments in university provide equal opportunity to all faculty members in decision making process through Academic, Administrative and Technical Committees. All the Administrative, Academic and Technical issues are discussed in these committees and collective decision-making is done after deliberations and mutual dialogues. Every decision in the committees is taken with majority supporting it. The department also has Board of Control and Board of Studies. Board of Studies (BoS) of each Department, with membership also from external experts in the respective areas of knowledge, meets at least 2-3 times every semester to design and manage academic matters, including issues related to assessment, evaluation and results. The Chairperson is the ex-officio member of these boards of studies. In order to ensure maximum participation further, sub-committees pertaining to various decision making for the benefit of students and the faculty are constituted. Departments also have Sports committee, Disciplinary Committee, Anti Ragging Committee, Research Monitoring committee, Alumni Cell, Placement Cell and mini-IQAC for execution of assorted functions. The students are involved in various student related committees. Students have active involvement in placement cell, events management, Social and Welfare activities as cleanliness Drives, Blood donation camps and other 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
Library, ICT and Physical Infrastructure / Instrumentation	a) Initiative of subscription of journals in e-format with perpetual access. b) Around 150 single titles are subscribed through Online mode. c) Initiated to set up Off-campus

accessibility for its e-resources which could earlier be accessed in the University Campus only. d) IT Infrastructure of Library was upgraded by acquiring two servers and laptops. e) SLIM-21 software is being upgraded for new features. f) Implemented "Earn while you Learn" scheme for the benefit of students. g) Organized programmes in collaboration with EBSCO, Taylor and Francis, IEEE and Turnitin for Faculty, Research Scholars and Library Professionals.

Research and Development

a) Focus of research and development is to perform quality research that can address problems of nation in general and society in particular. b) Relevant and useful research problems are addressed: findings are published in indexed national and international journals. c) Information relating to schemes announced by various National and International agencies is disseminated to targeted researchers/faculty members. d) Inter - institutional / departmental, National / International collaboration to complement the expertise is promoted. e) Dayanand chair of Vedic Studies is working towards preservation of Sanskrit heritage through research on ancient texts like Epics, puranas, Agamas etc.

Curriculum Development

a) All curricular programs are designed based on needs of society and industry and to boost scholastic opportunities for enrolled students, both foreign and domestic. b) Departments seek to achieve predetermined goals and objectives of curriculum development so that cutting-edge achievements in various technical and non-technical fields can be realized. c) Curriculum is developed by Board of Studies, Academic Committee of departments. Members of staff send suggestions for improvement. There is synchronization in theory and Laboratory work. d) University is working to introduce courses to enhance entrepreneurial as well as social skill based curriculum for the students.

Teaching and Learning

a) Personal Contact Programme (Face-to-Face and Online) b) Special lectures by persons of repute Workshops, tutorials and counselling sessions. c) Interactive classes with Online

Learning Management System (Moodle) with discussion forums. d) Exposure through field work in teaching learning process. e) Promoting the usage of ICT to leverage educational content deliverance. f) Multi-Specialized Faculty in Veda, Literature, Darshan and Vyakarana. g) PPTs, online videos and lectures of prominent personalities are arranged for the faculty/students. h) Feedback from the stakeholders is incorporated in teaching-learning process.

Examination and Evaluation

Following Examination Reforms have been adopted: a) Centralised Result Evaluation System. b) Web Portal for Applying Re-evaluation. c) Web Portal for Online submission of Evaluation application form, Flying squad and Center Superintendents. Generation of unique Examiner ID and printing of Examiner Id Card, Spot Evaluation List, Flying squad and Center Superintendents Reports etc. d) Online Transcript verification e) Online Exit Semester Examination September, 2020.

Human Resource Management

a) Financial Support is provided to faculty to attend conferences, seminars and workshops. b) Faculty development programmes and Administrative Training programmes are organized for faculty and staff. c) Skill upgradation and training are encouraged in Faculty members and the staff. d) Providing equal opportunity for employment and growth irrespective of gender, religious, caste, race, disabilities etc. e) Programmes are organised to promote Gender Equity and human values and professional ethics.

Industry Interaction / Collaboration

a) Setup Faculty Entrepreneurship Policy at university to provide platform to the faculty and students to pursue their own ideas towards becoming partners in economic development process. b) Set up Technology enabling centre enabling ecosystem for Technology Development through establishing networking amongst researchers, universities/ colleges/ institutes and industry. c) Set up liaisoning with the commercial d) Conducted workshop for industry e) Set up core groups in engineering to sort out problems of industry. Process underway to develop such core groups in pharmaceutical and biotech sectors. f)

	<p>Initiated internship of students at different industries. g) Planning to set up industry academia R and D lab consortia. h) Initiatives for incentivize the innovators of university and local colleges. i) Initiatives for extending incentives to the faculty /students for their innovations.</p>
Admission of Students	<p>Computer Center, Panjab University has carried out In-house development of admissions software using open source software for following courses: a) Online submission of Entrance Test Applications for courses: CET (UG and PG), BA/B.Com. LLB (UG Law), PG Law, M-Phil, Ph.D., PUTHAT, MBA (Executive), MET (UIAMS), PUMEET, PULEET. b) Online admission web-portal of UG and PG courses for application form submission and Merit preparation. c) Online Counselling for admission to B.Sc. (Hons.) under framework of Hons. School System (CBCS) and B. Pharmacy. d) Physical Counselling software for on-the-spot seat allocation to candidates for various courses.</p>

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

E-governance area	Details
Administration	<p>a) MIS software has been implemented as a complete solution for the computerization of Administrative Block, Teaching and Non-teaching departments. The employees of Panjab University can login to this portal to access their details including salary, provident fund, service history, Form # 16 etc. The main modules of this portal are Finance, Payroll, Budget, Human Resource, Alumni and Diary/Dispatch etc. b) University has its own email server and administrative, teaching and non-teaching staff has been provided with official email ids for official communications. c) All job advertisements are published in newspapers and official website of Panjab University for wide publicity.</p>
Finance and Accounts	<p>Finance and Accounts has implemented e-governance based on four pillars i.e. strengthening, training, testing and development. Existing e-governance was strengthened in 2019-20 by initiating several reforms including removal of dependencies and thus empowering users for their routing online work. Training</p>

	<p>has been integral part and every new entrant to the system is given training and roles for online salary distribution. Testing is more important phase of e-governance whether it is procedures or their implementation. Several new initiatives including end-to-end payment tracking system as well as online distributed billing at departmental level is implemented.</p>
Student Admission and Support	<p>Candidates have been provided with websites for the admission purposes with the following facilities: a) Registration facility for the admission/entrance tests for various courses. b) Online Payment facility for application fee/registration fee etc. c) Facility to upload testimonials/certificates of the candidates for online verification by the admission committees of various departments. d) Availability of Merit lists on the respective websites. e) Availability of lists of admitted candidates on the respective websites.</p>
Examination	<p>a) National Academic Depository (NAD) is an online store of all academic awards viz. certificates, diplomas, degrees, mark-sheets etc. Panjab University has uploaded data of about 31000 students on NAD. Total number of students registered on NAD is 25000 approximately. Students can retrieve their lodged academic awards at any time. b) Students can send their Examination related grievances at university's grievances email id. Student's grievances are redirected to concerned dealing officials for necessary action and responses to students are sent at their emails after solution. c) Provisional DMC is available on PU result web site.</p>
Planning and Development	<p>a) All procurement and purchases are processed through Gem portal. b) All tenders are processed through electronic mode on NIC portal. c) Proceedings of all governing bodies, rules and regulations calendar have been made available on university's website.</p>

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/	Name of the	Amount of support
------	-----------------	---------------------	-------------	-------------------

		workshop attended for which financial support provided	professional body for which membership fee is provided	
2019	Dr. Naveen Aggarwal	Nil	IEEE	5700
2019	Dr. Lalit Kumar	International Training Program: Manufacturing removable prostheses in the system of Biofunctional Prosthetics from 09.04.2019 to 11.04.2019	Nil	34432
2019	Dr. Simar Kaur	International Conference on Sustainable Development, Challenges and Strategies from 22.02.2019 to 26.02.2019	Nil	13550
2019	Dr. Suman Makkar	International Conference on Sustainable Development, Challenges and Strategies from 22.02.2019 to 26.02.2019	Nil	13550
2019	Dr. Vijay Pal Singh	14th International Conference on the Chemistry of Selenium and Tellurium (ICCST-14) from 03.06.2019 to 07.06.2019	Nil	115790
2019	Dr. Kewal Krishan	71st Annual Scientific Meeting of the American Academy of Forensic Sciences from 18.02.2019 to 23.02.2019	Nil	68032
2019	Dr. Naveen Kaushal	Experiment Biology 2019 from 06.04.2019 to 09.04.2019	Nil	30008
2019	Dr. Naveent	Gordon	Nil	184847

	Agnihotri	Research Conference on Molecular and Cellular Biology of Lipids from 28.07.2019 to 02.08.2019		
2019	Dr. Kanchan K. Jain	11th International Conference on Mathematical Method in Reliability from 03.06.2019 to 07.06.2019	Nil	56470
2019	Dr. Parveen Kumar	World Punjabi Conference (WPC) from 28.06.2019 to 30.06.2019	Nil	147543

[View File](#)

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Assessment and management of Children with Learning Disabilities	Nil	02/12/2019	22/12/2019	28	Nil
2019	Development of assessment tools for research	Nil	10/06/2020	15/06/2020	103	Nil
2019	Inclusion : Moving Forward	Nil	19/08/2019	25/08/2019	39	Nil
2019	MOOCs: Designing and Development	Nil	04/11/2019	10/11/2019	40	Nil

2020	Managing Virtual Classrooms and Open Education Resources	Nil	24/06/2020	29/06/2020	578	Nil
2020	MOOCs: Designing and Development and Learning Analytics	Nil	04/04/2020	09/04/2020	83	Nil
2020	Sustainability in Academic Leadership through Global Learning Environments	Nil	03/03/2020	09/03/2020	41	Nil
2020	FDP - Research Methodology for Social Sciences	Nil	20/06/2020	26/06/2020	800	Nil
2020	Statistical Techniques using Softwares: A Practical Approach	Nil	03/03/2020	09/03/2020	40	Nil
2019	122nd Orientation Course	Nil	16/08/2019	05/09/2019	24	Nil
View File						

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
Refresher Course in Research Methodology in Social Science	8	20/08/2019	02/09/2019	14
122nd Orientation Course	4	16/08/2019	05/09/2019	21
STC in "Const	4	08/08/2019	14/08/2019	7

itutionalism, Law Human Rights"				
Development of assessment tools for research	2	10/06/2020	15/06/2020	6
Two week Faculty Development Programme on Managing Online Classes and Cocreating MOOCs	1	24/08/2019	07/09/2019	15
MOOCs: Designing and Development	26	04/11/2019	10/11/2019	7
Assessment and management of Children with Learning Disabilities	1	02/12/2019	22/12/2019	21
Sustainability in Academic Leadership through Global Learning Environments	13	03/03/2020	09/03/2020	7
MOOCs: Designing and Development and Learning Analytics	38	04/04/2020	09/04/2020	6
Managing Virtual Classrooms and Open Education Resources	101	24/06/2020	29/06/2020	6
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	126	15	21

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
The University provides welfare facilities to their employees to keep their motivation levels	The University provides welfare facilities to their employees to keep their motivation levels	The office of the DSW is providing the following subsidies/financial

high. The welfare schemes available for teaching staff in the University are as follows: a) Free of cost health checkups and medication in health center. b) Provision of financial assistance for health related emergencies. c) Facility of day-care center/ crèche within the campus for working women, to take care of their children d) Provision of 6-months maternity leave to female employees with full salary and 15 days' paternity leave to male employees. e) Provision of child care leave to women employees. f) Availability of working women hostel. g) Waiver of 25 percent of the tuition fees to the wards of employees pursuing self-financing courses. h) Provision of wheat/grain advance, festival advance, car/scooter advance, house building advance and other such schemes. i) Provision of advance out of provident fund (PF) of employees for meeting expenses towards education, marriage etc. of their wards. j) Prompt payment of pension benefits including gratuity to Superannuated employees appointed prior to 2004 (there are standing instructions to this effect in the University). k) Provision of Ex-gratia grant and other facilities to the family of a University employee who dies while in service. l) Benefit of Provident Fund and Group Insurance Scheme for all employees. m) Provision of Professional training sponsorships. n)

high. The welfare schemes available for nonteaching staff in the University are as follows: a) Free of cost health checkups and medication in health center. b) Provision of financial assistance for health related emergencies. c) Facility of day-care center/ crèche within the campus for working women, to take care of their children d) Provision of 6-months maternity leave to female employees with full salary and 15 days' paternity leave to male employees. e) Provision of child care leave to women employees. f) Availability of working women hostel. g) Waiver of 25 percent of the tuition fees to the wards of employees pursuing self-financing courses. h) Provision of wheat/grain advance, festival advance, car/scooter advance, house building advance and other such schemes. i) Provision of advance out of provident fund (PF) of employees for meeting expenses towards education, marriage etc. of their wards. j) Prompt payment of pension benefits including gratuity to Superannuated employees appointed prior to 2004 (there are standing instructions to this effect in the University) k) Provision of Ex-gratia grant and other facilities to the family of a University employee who dies while in service l) Benefit of Provident Fund and Group Insurance Scheme for all employees. m) Provision of Professional training sponsorships. n)

Assistance/scholarship to the Campus students: - a) Need-Based Assistance, Need-cum-Merit and differently-abled Scholarship: b) These scholarships are paid for nine months in a year to the Panjab University Campus students recommended by the Chairpersons based on conditions laid down for the award out of Student scholarship Fund. c) Sport scholarship: This Scholarship is paid for nine months based on the grading done by the sports Department based on the performance of P.U. Campus students in various sports activities. This scholarship is paid for nine months in a year out of Students Scholarship Fund. d) Extra-Mural Activities Scholarship: This scholarship is paid out from the Amalgamated Fund. The performance of the campus students in various Extra-Mural activities like debates, seminars, one-act plays etc. is the deciding factor for an award under this scholarship. This is a fixed amount to be decided by the Vice-Chancellor on the recommendations of the Committee. e) Financial Assistance: Financial assistance is paid out of Poor Students Welfare Fund to the Panjab University Hostel residents. f) Group Insurance Scheme for students of Panjab University and its regional centres. g) Earn While Learn Scheme for Student of Panjab University.

Financial assistance to the Teachers of the University for attending the National/International Conferences/Seminars. o) Subsidized transportation/ free transportation to off-campus employees. p) Subsidized canteen/cafeteria facility. q) Excellent Internet/Wi-Fi facility to all the Staff. r) Other facilities such as University Residences, Timely promotions, Salary through Bank, Indoor/Outdoor Sports Facility, Mobile Allowance etc.

Subsidized transportation/ free transportation to off-campus employees. o) Subsidized canteen/cafeteria facility. p) Uniforms to class-IV non teaching staff. q) Excellent Internet/Wi-Fi facility to all the Staff. r) Other facilities such as University Residences, Timely promotions, Salary through Bank, Indoor/Outdoor Sports Facility, Mobile Allowance etc.

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 strong mechanism of independent audit both at pre-audit and post-audit stage. Each bill before it is paid is pre-audited by independent Government Auditor i.e. Assistant Controller Local Audit (ACLA) deputed by the Finance Department, U.T. Administration, Chandigarh. Besides above, the accounts of the University are being audited on annual basis by the office of CAG.

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
Dr. Rakesh Kochhar	500000	Donation for institution of Suman Kochhar Gold Medal
View File		

6.4.3 – Total corpus fund generated

444511223

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	No	NA
Administrative	No	NA	No	NA

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

University Regulations 1-10 of chapter VIII (F), pages 177-178 of PU calendar

volume I, 2007 exist to promote autonomy in the affiliated colleges of Panjab University. Link of document:

<https://puchd.ac.in/includes/documents/vol1/chap6to11.pdf>

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

Formally, there is no Parent-Teacher association. However, parents contact the faculty, staff and head of the department in case of any issue. Student's academic performance, university results, attendance and other related issues are updated on the department's official website.

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

a) UGC-MHRD funded Three day Training Programme "Capacity Building Development for Security Personnel" was organized by Centre for Police Administration from 06.02.2020 to 08.02.2020. b) "Mental Health Management" program was organized by University School of Open Learning on 17.12.2019. c) Two Days Training Programme was organized by HRDC, Panjab University for Administrative Officers from 14.02.2020 to 15.02.2020.

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

1) IQAC became proactive since academic-year 2015-16 and reached every department, with each department having its mini-IQAC. Director IQAC and Associate-Director IQAC have been appointed for three years to look after the activities of the IQAC. 2) A new Panjab University Policy against Sexual Harassment has been framed and implemented. The PUCASH is now processing and concluding all the complaints according to the prescribed procedure under the Act. 3) The Department of Physical Education has been granted recognition from the academic session 2016-17 for 2 years and the approved intake is 40 students. The Department of Community Education and Disability Studies has been accorded approval of B.Ed. Spl. Ed. (LD) courses for sessions 2017-18 to session 2018- 2020. 4) Huge publicity is given to the courses by advertising in leading national newspapers and posting on social media. Good ranking of the University attracts students to this University. 5) University has been encouraging its non-PhD faculty to go in for career advancement through doing a PhD. In 2019-20, 680 out of 862 full-time faculty is PhD. 6) Improvement of washrooms and sanitation of hostels is taken care of. Work of construction/renovation of the washrooms of Hostels is under process. For new hostels, sanitation maintenance work is being outsourced, which is very successful. 7) One hostel for International Students has already been made operational after NAAC. Girls Hostel No. 11 is under construction. 8) Three initiatives are in progress for the integration of small centres: (a) Nuclear Medicine, Nanotechnology, Public Health etc, (b)"School of Asian, European, and Oriental Studies" (c) another initiative is establishing "School of Education" including Department of Education, Institute of Educational Technology Vocational Education, Department of Community Education Disability Studies, Department of Life Long learning Extension, and Department of Physical Education. 9) The process of structured feedback has been introduced. 10) Department of Evening Studies is observing the following time- schedule: a) for B.A./M.A Classes between 4.00 p.m to 9.00 p.m. b) for B.Com Classes between 3.00 p.m to 9.00 p.m c) Office Hours 02.00 pm to 09.00 pm. The teachers are also available in their cabins to the research scholars and other students to guide and help them during the working hours. The department also participates in the PhD programme of the PU as any other department or research centre. 11) Gated security system has been strengthened. E-rickshaw facility has been provided at two of the university gates from where the entry of outsiders' vehicles is banned. CCTVs have been installed at sensitive locations. The boundary walls of south campus have been raised so that they are not easily hopped. 12) Centre for Skill Development and Entrepreneurship (CSDE) works to

make large reforms in enhancing skills to train the workforce.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	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	Meeting to discuss the fifth criterion of revised NAAC Guidelines	05/07/2019	05/07/2019	05/07/2019	8
2020	Week-long in-person meeting-cum-training sessions with mini-IQAC incharges	03/02/2020	03/02/2020	07/02/2020	104
2020	Meeting for Implementation of Feedback Forms and Programme Codes	10/02/2020	10/02/2020	10/02/2020	9
2020	Meeting of sub-committee to discuss Criteria VII of AQAR	20/02/2020	20/02/2020	20/02/2020	6
2020	Meeting of sub-committee to discuss Criteria IV of AQAR	25/02/2020	25/02/2020	25/02/2020	5
2020	Two day Webinar on "Up The Rank-Getting Ready for NAAC"	22/05/2020	22/05/2020	27/05/2020	86

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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
Stress Management and Women	09/12/2019	09/12/2019	40	Nil
Economic Empowerment and Women	14/10/2019	14/10/2019	40	Nil
Time Management and Women	23/01/2020	23/01/2020	25	Nil
Role of Women using Water Safety	15/07/2019	15/07/2019	Nil	30
Nutrition and Good Health	13/09/2019	13/09/2019	Nil	30
Soft Skills Development and Personality Development	05/12/2019	05/12/2019	20	20
Womens Day Celebration (Gender Equality)	07/03/2020	07/03/2020	55	15
International Women's Day	06/03/2020	06/03/2020	39	23

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

Nil

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	55
Provision for lift	Yes	121
Ramp/Rails	Yes	186
Braille Software/facilities	No	Nil
Rest Rooms	Yes	581
Scribes for examination	Yes	16
Special skill development for differently abled students	Yes	4

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	1	09/09/2019	1	Voters Enrollment Programme	Electoral Verification Programme	250
2019	Nil	1	24/10/2019	1	Interacting with inmates of Old Age Home	Celebrating festival with elders of Old Age Home	15
2020	Nil	1	15/06/2020	15	Counseling sessions	Stress due to CORONA	95
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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)
Computer and Network Usage Policy	01/07/2019	The computer and network policy established for previous academic sessions continued to be in use for the academic session 2019-20. The policy sets rules for the users of Panjab University Chandigarh computing, networking and IT facilities are expected to abide. These rules are intended to preserve the utility and flexibility of the system, protect the privacy and work of students and faculty, and preserve our right to access the international networks to which the system is connected.
Accounts Manual 2012	01/07/2019	The Accounts Manual (Approved by Syndicate Vide Para XI, dated 24th August 2013) established for previous academic

		<p>sessions continued to be in use for the academic session 2019-20. Accounts Manual provides for general provisions and procedures to be followed by the University officials while dealing with the matters concerning finance and accounts. The present manual is the improvised version of the Accounts Manual 1990, which has been revised after incorporating the various decisions of the governing bodies of the University and other requirements to align with the changing environment.</p>
<p>University calendar Volume 2019 (Calendar Vol. III)</p>	<p>01/07/2019</p>	<p>University Calendar includes rules and regulations for Constitution, objectives and Functions of the Panjab University. The calendar comprises of Volume I, II and III. The University calendar Volume 2019 includes amendments issued upto 18.11.2018.</p>
<p>Handbook of Information 2019</p>	<p>01/07/2019</p>	<p>Hand Book of information 2019 carries detailed information related to department course, no. of seats, eligibility criteria and other admissions-related information for the session 2019-20.</p>
<p>Handbook of Hostel Rules</p>	<p>03/07/2019</p>	<p>The Handbook of Hostel Rules for the Session 2019-20 incorporates the regulations regarding student privileges, duties, responsibilities, obligations, restrictions and prohibitions for a disciplined and peaceful living in all its Campuses.</p>
<p>Panjab University Research Policy</p>	<p>01/07/2019</p>	<p>The research policy established for previous</p>

academic sessions continued to be in use for the academic session 2019-20. The research policy intends to form a reference point and to guide institutional and individual research activities to integrate with the University's vision to attain and retain a coveted position as a premier educational institution. The purpose is to create and disseminate knowledge, new ideas, perceptions and methodology to engage faculty and students for quality teaching, research, outreach activities and also for developing intellectual capital to meet societal needs and global challenges.

Panjab University
Plagiarism Policy

01/07/2019

The plagiarism policy established for research and continued to be in use for the academic session 2019-20. The purpose of this policy is to ensure and establish a framework based on some universal ethical and policy guidelines to deter, detect, and deal with plagiarism in all forms, to be adopted for faculty and researchers across all disciplines of Panjab University.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Special lecture on Swachh Bharat Abhiyan	08/08/2019	08/08/2019	50
Special lecture on Nature and Consequence of Ragging	09/08/2019	09/08/2019	37
Independence Day Program	15/08/2019	15/08/2019	110
Observance of Sadbhavna Diwas by	20/08/2019	20/08/2019	45

Centre of Police Administration			
Screening of movie Article 15 based on Police Procedure and Investigation	29/08/2019	29/08/2019	27
Cleanliness Drive by Department of Gandhian and Peace Studies	23/09/2019	23/09/2019	80
On the Spot Essay Writing Competition of Colleges/P.U. Departments	25/09/2019	25/09/2019	75
On the Spot Painting Competition of School Children	26/09/2019	26/09/2019	80
Special Lecture by Prof. Sanjay Kumar Bhadada on The Rising Menace of non-communicable diseases (NCD) How to curb it	27/09/2019	27/09/2019	80
Screening of film on Mahatma Gandhi	30/09/2019	30/09/2019	75
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

a) Tree plantation and cleanliness drives were organized. b) Water and electricity conservation measures were practised. Teachers, staff and students ensure that lights, fans and other electric appliances are turned off when not in use. c) E-waste collection campaign was undertaken by the Centre cum Department of Social Work. d) To minimize the use of paper, circular and official notices are circulated through online mode. e) Discouraging the use of plastic. "Say no to Single-Use of Plastic" Awareness Open Access Week was organized by Department of Library Science.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1) Honours / Incentive to the non-teaching employees 2) Keeping Sanskrit current and relevant 3) USOL OPEN FORUM – Annual Event 4) Results and evaluation processes 5) Improvement in Quality of Projects 6) Improving Membership of Alumni 7) Improving Connect with Alumni 8) Formation of Alumni Association in each department and establishing their close relationship with PUA 9) Harnessing the True Potential of Alumni through Strengthening the Umbilical Chord with their Alma Mater

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

<https://iqac.puchd.ac.in/docs/2021/20210415111709-bestpractices2019-20.pdf>

7.3 – Institutional Distinctiveness

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

The performance of Panjab University in one area distinctive to its vision, priority and thrust is available at: <https://iqac.puchd.ac.in/docs/2020/20201221113932-institutedistinctiveness2019-20.pdf>

Provide the weblink of the institution

<https://iqac.puchd.ac.in/docs/2020/20201221113932-institutedistinctiveness2019-20.pdf>

8.Future Plans of Actions for Next Academic Year

Five-year future plans of Panjab University are under process of approval from Higher authorities and statutory bodies. Future plans of action of Departments/ Centers of Panjab University are available at:

<https://iqac.puchd.ac.in/docs/2020/20201221114007-futureplans2019-20.pdf>