

ANNUAL QUALITY ASSURANCE REPORT 2017-18



Submitted

to

NAAC



PUNJABI UNIVERSITY PATIALA

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Annual Quality Assurance Report (AQAR) 2017-18

Part-A

1 Details of the Institution

1.1	<i>Name of the Institution</i>	Punjabi University Patiala
1.2	<i>Address Line 1</i>	Punjabi University Patiala
	<i>City/Town</i>	Patiala
	<i>State</i>	Punjab
	<i>Pin Code</i>	147002
	<i>Institution e-mail address</i>	vc@pbi.ac.in
	<i>Contact Nos.</i>	0175-3046001, 6002,6003,6030,6310
	<i>Name of the Head of the Institution</i>	Dr. B.S.Ghuman
	<i>Tel. No. with STD Code</i>	0175-3046001
	<i>Mobile</i>	98159-42534
	<i>Name of the IQAC Co-ordinator</i>	Dr. Manjeet Singh Patterh
	<i>Mobile</i>	98159-87703
	<i>IQAC e-mail address</i>	iqacell@gmail.com
1.3	<i>NAAC Track ID</i>	PBUNGN10035
1.4	<i>NAAC Executive Committee No. and Date</i>	F.19.26/EC(SC-12)/DO/2016/1.3 Dated 19.02.2016
1.5	<i>Website address</i>	punjabiUniversity.ac.in
	<i>Web-link of the AQAR</i>	http://www.punjabiUniversity.ac.in/Pages/Page.aspx?dsenc=IQAC

1.6 Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	Five Star	-	2002	2002-2007
2	2 nd Cycle	A	3.11	2008	2008-2013
3	3rd Cycle	A	3.34	2016	2016-2023

1.7 *Date of Establishment of IQAC* 01-08-1999

1.8 *AQAR for the year* 2017-2018

1.9 *Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC*

AQAR 2016-17 submitted to NAAC on 22.05.2018

1.10 *Institutional Status:* State University

University	State
Type of Institution	Co-education Semi-Urban
Financial Status	Grant in aid, UGC 2(f) and UGC 12 (b)

1.11 *Type of Faculty /Programme* Faculty of Life Sciences
Faculty of Physical Sciences
Faculty of Medicine
Faculty of Engineering & Technology
Faculty of Business Studies
Faculty of Law
Faculty of Social Sciences
Faculty of Languages
Faculty of Education & Information Sciences
Faculty of Arts and Culture
Faculty of Computing Science

1.12 *Name of the Affiliating University (for the Colleges):* NA

1.13 Special status conferred by Central/State Government-- UGC/CSIR/ DST/ DBT/ICMR etc.

Autonomy by State Govt.	Yes
UGC-CPE	-
DST Star Scheme	-
UGC-CE	-
UGC-Special Assistance Programme	11
CAS	03
DST-FIST	08
UGC-Innovative PG programmes	-
Any other (Specify)	UGC-BSR=06 UGC-IPLS=03 DST-SSTP=01 ASP=01
UGC-COP Programmes	-

2. IQAC Composition and Activities

2.1	<i>No. of Teachers</i>	14
2.2	<i>No. of Administrative/Technical staff</i>	07
2.3	<i>No. of Students</i>	00
2.4	<i>No. of Management Representatives</i>	01
2.5	<i>No. of Alumni</i>	02
2.6	<i>No. of any other stakeholder and community representatives</i>	00
2.7	<i>No. of Employers/ Industrialists</i>	00
2.8	<i>No. of other External Experts</i>	02
2.9	<i>Total No. of members</i>	26
2.10	<i>No. of IQAC meetings held</i>	03
2.11	<i>No. of meetings with various stakeholders</i>	No
2.12	<i>Has IQAC received any funding from UGC during the year? if Yes, mention the amount</i>	No

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/Workshops/Symposia organized by the IQAC

Total Nos.	International	National	State	Institution Level
03	00	00	00	03

(ii)	Themes	(i) Interactive Session on Academic Audit & AQAR on 20.09.2017
		(ii) Interactive Session on NIRF on 29.09.2017
		(iii) Workshop on New Age Teaching: Teachers needs to unlearn on dated 22.02.2018

2.14 Significant activities and contributions made by IQAC are as follows:

- i. Interactive Session on Academic Audit & AQAR on 20.09.2017
- ii. Interactive Session on NIRF on 29.09.2017
- iii. Workshop on New Age Teaching: Teachers needs to unlearn on dated 22.02.2018
- iv. Participation in NIRF: India Rankings 2018
- v. Preparation and submission of AQAR 2016-17
- vi. Academic Audit of the Departments
- vii. Distribution of Funds among Departments received under RUSA Phase I.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the Outcome achieved by the end of the year*:

* Attach the Academic Calendar of the year as Annexure

Sr. No.	Plan of Action	Action Taken
1.	Planned 03 Seminar/Workshop/ Lecture	IQAC organized: a) Interactive Session on Academic Audit Report & AQAR on 20.09.17. b) Interactive Session on NIRF on 29.09.17. c) One Workshop on New Age teaching: Teachers needs to unlearn on 22.02.18.
2.	Participating in NIRF: India Rankings 2018	IQAC submitted data on 07.12.2017 at NIRF Portal for participation in India Rankings 2018 and Punjabi University Patiala was placed in between 101-150 Rank at National Level in Overall Category.
3	Academic Audit of the Departments	IQAC conducted the Academic Audit of the Departments.

Sr. No.	Plan of Action	Action Taken
4	Preparation and Submission of Annual Quality Assurance Report	IQAC prepared and submitted Annual Quality Assurance Report 2016-17 on 22.5.2018.
5	Development of Proformas for Students data.	IQAC provided the Proformas for Students data to track their Employment/ Higher Studies related data: Proforma -I for New Students, Proforma-II for Passing Out Students
6	IQAC will request through University Website to students, parents, stakeholders for feedback on Institutions performance.	Yes, action was taken
7	Encouraging the Departments to organize Conference/Workshops etc.	University Departments organised 40 conferences/Workshops etc.

2.16 *Whether the AQAR was placed in a statutory body*

Yes, Placed in Advisory Committee Punjabi University Patiala.

*** Academic Calendar of Session 2017-18**

	Opening of Teaching Departments	10.07.2017
	Summer Break	29.05.2017 to 07.07.2017
	First Semester	28.07.2017 to 21.11.2017
	Examination of 1 st Semester	01.12.2017 to 15.12.2017
	Winter Break	25.12.2017 to 05.01.2018
	Second Semester	08.01.2018 to 30.04.2018
	Examination of 2 nd Semester	05.05.2018

Part-B

Criterion-1

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	50	Nil	Nil	50
UG	38	01	Nil	05
PG	81	10	Nil	04
PG Diploma	21	Nil	Nil	01
Advanced Diploma	02	Nil	Nil	Nil
Diploma	15	Nil	Nil	Nil
Certificate	21	04	Nil	02
Others	07	Nil	Nil	Nil
Total	234	15		

1.2 Flexibility of the Curriculum:

University provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in.

Punjabi University has adopted Choice Based Credit System. The teaching scheme includes Core, Department Electives and Open Electives.

In addition to above some of the Departments also offer Skill enhancement and foundation courses to the students.

Some of the Departments also offer integrated programmes with exit in between.

(ii) Pattern of the Programmes:

Pattern	No. of Programmes
Semester	207
Trimester	Nil
Annual	27

**1.3 Feedback from stakeholders*
(on all aspects)**

Alumni	<input checked="" type="checkbox"/>	Parents	<input checked="" type="checkbox"/>	Employers	<input checked="" type="checkbox"/>	Students	<input type="checkbox"/>
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Mode of Feedback : Online Manual Co-operating schools (for PEI)

Yes, the feedback is taken from the stakeholders by the University and Departments. Some of the Departments have mechanism of formal system of feedback and in some of the Departments feedback is taken informally. These feedbacks are related to curricular aspects, teaching learning process, research facilities, infrastructure and learning resources, students support services, general facilities, campus environment, examination system, admission system, etc.

Feedbacks so received are discussed in the meetings of concerned committees and the appropriate suggestions/comments are considered for further necessary action.

IQAC has also announced on Punjabi University Patiala website for feedback from Stakeholders on various activities of the University.

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Every Department undergoes for major revision/update of regulation or syllabi once within 2 to 3 years and for minor revisions once a year. It is mandatory for the Departments to have meeting of board of studies at least once in a year.

The syllabus of UG, PG and Ph.D. were updated extensively by forming various sub-committees involving the concerned faculty members. The update was based on the feedback of students, alumni, suggestions of the faculty members, resource persons from industries, academic and research Institutions and external experts having representations on various University bodies, such as Boards of Studies, the Academic Council, Boards of Post-Graduate Studies & Research and the Faculties etc. In most of the courses, the topics concerning recent trends and advancements have been included. The revisions have been carried out to make the academic programmes more meaningful and to enhance the employability of the students.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Yes,

- Incubation Centre: i-STRIVE - Centre for Industrial and Societal Transformation through Research and Innovation in Vocational Entrepreneurship.
- Maharana Pratap Chair was established.
- Guru Gobind Singh Chair was established.

Criterion-II

2. Teaching, Learning and Evaluation

2.1 Total No. of Permanent faculty

Total	Assistant Prof.	Associate Prof.	Professor	Others
559	384	51	124	

2.2 No. of permanent faculty with Ph.D. 449

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asstt. Professor		Associate Professor		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
0	250	0	100	0	68	0	0	0	418

2.4 No. of Guest and Visiting Faculty and Temporary faculty

No. of Guest Faculty	No. of Visiting Faculty	No. of Temporary Faculty
158	06	165

2.5 Faculty participation in conferences and symposia

No. of Faculty	International Level	National Level	State Level
Attended	146	338	127
Presented Papers	174	260	40
Resource Persons	60	186	75

2.6 Innovative process adopted by the Institution in Teaching and Learning

The innovative processes adopted by the Institution in teaching and learning are:

- Use of ICT enabled facilities
- Use of Case Study in teaching
- Practical Assignment
- Industrial Training/Internships
- Project Report
- Dissertation work
- Class Discussion
- Summer Training
- Role Plays
- Training Games
- Quizzes
- Educational & Field tours, seminars and tutorials

- Panel Discussions
- Competitive Activities
- Improvisation and Observation Exercises
- Moot Courts
- Printed Study Material
- Audio-Video Lessons
- Power Point Presentations
- Response sheets/Assignments
- Personal Counselling
- Films/Documentaries
- Visits of students to concerned organizations/Labs/Institutes/Industries.

In some of the Departments some specific kinds of innovative processes adopted are:

- Online teaching programmes through:
 - gurmatgyanonline@pup.com
 - Punjabipaedia
 - National Programme on Technology Enhanced Learning (NPTEL)
 - SWAYAM-MOOC
 - Centre for Advanced Media Studies Punjabi University Patiala
 - Industry/R&D based real time problems during their dissertation work towards the final semester of M.Tech. Programme. Most of the PG students carry out their dissertation work in collaboration with industries/ R&D.

2.7 Total No. of actual teaching days during this academic year

170 days

2.8 Examination/Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Punjabi University has adopted Coding/Decoding, Double Evaluation and Table marking. Photocopy of answer sheets issued to students on demand.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

Board of study	Faculty	Curriculum Development/ Workshop
224	147	31

2.10 Average percentage of attendance of students

83 %

2.11 Course/Programme wise distribution of pass percentage

Total Students appeared = 17811

Programme Types	Division (Average % of all programmes)				
	Distinction %	I %	II %	III %	Pass %
UG	16.46	72.41	7.89	1.56	81.87
PG	27.21	86.48	6.84	.60	93.93
Others	35.51	86.77	.77	0	87.55

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching and Learning Process:

IQAC evaluates Teaching and Learning process through Administrative Committees of Departments (ACDs), Annual Quality Assurance Reports (AQARs), NIRF Report and the Academic Audit Reports.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of Faculty Benefitted
Refresher courses/HRD Programmes	210
UGC – Faculty Improvement Programme	Nil
Orientation Programmes/HRD Programmes	121
Faculty exchange Programmes	Nil
Staff training conducted by the University	Nil
Staff training conducted by other Institutions	Nil
Summer / Winter schools, Workshops, etc.	93
Others	57

2.14 Details of Administrative Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	1789	760	213	155
Technical Staff	367	96	52	25

Criterion-III

3. Research, Consultancy and Extension

3.1 *Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the Institution*

- Based on the feedback from the various Departments/Institutions, IQAC in their meetings identify the Departments having potential for research activities and recommend special fund allocation in the annual budget for research activities and also encourage the Departments to apply for research grants from various bodies like DST, FIST, UGC, etc.
- IQAC encourages the departments to conduct Seminars/Workshops for sensitizing/promoting Research climate in the University. The following activities for the above purpose has been carried out in the University by the different departments:
 - Conduct of workshop on Research Methodology.
 - Conduct of Seminar on "General and Legal Aspects of Filing and Maintaining IPR" by University.
 - Conduct of workshop for research scholars in collaboration with experts from Foreign/Indian universities.
 - Conduct of capacity building workshop for teachers and students to aware them about formulation of research proposals, funding agencies and the like.
- Faculty members have been motivated to submit Research Proposal for receiving Funding from DST, ISRO, UGC, CSIR, etc.
- Faculty members are encouraged to publish their research work in Peer Reviewed Journals.

3.2 *Details regarding major Projects*

	Completed	Ongoing	Sanctioned	Submitted
Number	13	47	11	13
Outlay in Rs.	2,57,32,372	18,29,00,066	1,05,19,930	2,35,31,170

3.3 *Details regarding minor Projects*

	Completed	Ongoing	Sanctioned	Submitted
Number	0	2	0	0
Outlay in Rs.	00	13,50,750	0	0

3.4 *Details on research publications*

	International	National	Others
Peer Review Journals	756	187	9
Non-Peer Review Journals	37	32	0
e-Journals	26	20	0
Conference proceedings	62	42	0

3.5 *Details on Impact Factor of publication*

Sr. No.	Name of Department	Range	Average	h-index	Nos. in SCOPUS
1	Statistics	0.88-4.85	2.73	10	0
2	Fine Arts (SJIF Impact Factor)	6.133 & 5.463			
3	Computer Science				
4	Zoology	0.07-6.89	2.17	0	8
5	Geography	0	0	0	3.95
6	Sri Guru Tegh Bahadur National integration chair	3.77			
7	Mechanical Engg.	2.35-4.72	3.788	0-22	24
8	Forensic Science			4	
9	Forensic Science			5	3
10	Forensic Science			7	
11	ECE	.2-5	3	0-13	13
12	Biotechnology	.7-6	1.5-3.9	8-179	11
13	Basic and Applied Sciences	0-4.439		13	35
14	Math	10-11	2		
15	Physics	1.5-3.8	2	0	
16	Chemistry	0.45-38.62	19.54	8.13	0
17	Pharmacy	0-4.8	1.05	105	
18	Human Genetics	.5-27.9	8.4	19	8
19	University School of Applied Management				6
20	Computer Engg.	4.89	2.2275	5	10
21	Botany	0.3-3.992	0.705		
22	UCOE, Rampura Phul	2.4			1
23	YCOE	.36-4.18	1.76	9	3
24	Computer Science	1.17-3.96	2.46	19	11
		0.72-2.50	1.6	6	6
		0.00-2.367	0.39	9	1
		0.31-0.49	0.34	12	9
		-	-	-	4
	Range/Total	.007-38.62	1.5-19.54	0-179	156.95

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2017-18	ICSSR, DST-FIST, DST, MOCIT, MoEF, CSIR, AICTE, etc.	2,97,44,716	1,81,91,016
Minor Projects	2017-18	SCERT	13,50,750	10,78,025
Interdisciplinary Projects	-	-		
Industry Sponsored	-	-		
Projects sponsored by the University/College	-	-		
Students research projects (other than compulsory by the University)	2017-18	DST,ICMR, UGC, UGC-RGNF, UGC-NET, DBT-INSPIRE, UGC-MANF	2,60,30,600	11,58,399
Any other (Specify)	-	-		
Total			5,71,26,066	2,04,27,440

3.7 No. of Books published

With ISBN No.	108	Chapters in Edited Books	55
Without ISBN No.	04		

3.8 No. of University Departments receiving funds from

UGC-CAS	UGC-SAP	DST-FIST	DST-SSTP	ASP	UGC-IPLS	UGC-BSR
3	8	5	1	1	03	06

3.9 For Colleges N.A.

3.10 Revenue generated through consultancy

Total Revenue generated = Rs. 1,02,58,280/-

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
University Deptts./Regional Centres/Neighbourhood Campus/Distance Education	10	14	6	6	0
Sponsoring agencies	Punjabi University Patiala, DST-FIST, Sarbat Da Bhala Chairtable Trust, Punjab & Sindh Bank, Madaan Book House, ISCA, IBS UGC, IIPA New Delhi, Sardar Kapoor Singh Foundation, Acharya Tulsi Memorial Lecture, Guru Gobind Singh Chair, Capital Formation & Religion, Rashtriya Sanskrit Sansthan, New Delhi, Indian Council of Historical Research New Delhi and Indian Council of Social Science Research, New Delhi				

3.12 No. of faculty served as experts, chairpersons or resource persons

No. of faculty served as	Experts	Chairpersons	Resource Persons
	279	181	291

3.13 No. of collaborations

International	<input type="text" value="7"/>	National	<input type="text" value="4"/>	Any other	<input type="text" value="0"/>
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3.14 No. of linkages created during this year 04

3.15 Total budget for research for current year in lakhs:

From Funding Agency	From Management of University	Total
310.95466	-	310.95466

3.16 No. of patents received this year

	Applied	Granted
National	0	2

3.17 No. of research awards/recognitions received by faculty and research fellows of the Institute in the year

Sr. No.		International	National	State	University	Total
i)	No. of Research Awards/recognitions received by Faculty	4/4	16/4	3/0	0/0	23/8
ii)	No. of Research Awards/recognitions received by Research Fellows	1/0	6/5	0/0	5/0	12/5

3.18 No. of faculty from the Institution who are Ph.D Guides and students registered under them

No. of Ph.D. Guides	No. of Students registered under them from 1.7.2017 to 30.6.2018
344	1427

3.19 No. of Ph.D. awarded by faculty from the Institution

294

3.20 *No. of Research Scholars receiving the Fellowships (Newly enrolled +existing ones)*

JRF	SRF	Project Fellow	Doctoral Fellows
62	16	28	32

3.21 *No. of students Participated in NSS events*

University Level State Level National Level

3.22 *No. of students participated in NCC events*

N.A.

3.23 *No. of Awards won in NSS*

University Level State Level National Level

3.24 *No. of Awards won in NCC*

N.A.

3.25 *No. of Extension activities organized*

University Forum	College Forum	NSS	Any Other
19	NA	14	28

3.26 *Major Activities during the year in the sphere of Extension Activities and Institutional Social Responsibility.*

- Learning through Punjabi Pedia.
- Nukkad Natak in villages and around on Social issues like dowry, Female Foeticide, Drug Abuse, etc.
- Blood Donation Camps.
- Cleanliness Drives and Tree Plantation.
- Swachhta" programmes were organized in hostels from 01.9.17 to 15.9.17.
- "Clean Hostel Day" events were organized on 02.9.17
- "Clean Mess Day" and "Cleanest Hostel Room Day" were celebrated on 4.9.17 and 13.9.17. Hostel residents contested in the "Cleanest Hostel Room" competition. Prizes were given to the students, who secured positions in the "Cleanest Hostel Room" competition.
- "Unity Day" was celebrated on 31.10.17 in hostels. Hostel residents participated in inter hostel competitions like essay reading, singing, skit etc. Prizes were given to the students, who secured positions in the competition.
- Students were motivated to participate in different events of Heritage Festival held at Patiala from 21.2.18 to 27.2.18.
- "Yuva Sashaktikaran Diwas" celebrated on 23.3.18 in the memory of Saheed Bhagat Singh.

- "World Environment Day" was celebrated on 5.6.18. Students were motivated to participate in activities like anti-spitting campaigns that prohibit spitting, littering, damaging greenery, smoking in public places etc. Students were motivated for tree plantation and to adopt trees.
- Students and staff members were instructed to download the "Swachhta App" on the directions of district administration.
- Annual Art Exhibition by the students, research scholars and faculty members showcasing the artistic and creative talents as well as the artistic expertise in practical work.
- Lecture-com-Demonstration on 'Pahari Miniature Painting' by Dr. Virendra Bangroo from IGNC, New Delhi.
- Lecture-cum-Demonstration by well known artist Prof. Bhup Singh Gulia from M.D.U. Rohtak on Creative Painting, Portrait Painting.
- Art Workshop by the students of the Fine Arts Department at the Specially-abled School, Saifdipura. The students were acquainted with the art of making candles, book covers, file covers, graphic designs, pen stands and painting on glass etc.
- Memorial Lecture for the students and research scholars of Sikhism on the topic: ***Punjab: Sword Arm of India*** by Major-General (Retd.) B.S. Grewal.
- The Department of Encyclopaedia of Sikhism engaged the Life-Fellows with the Department for their scholarly contribution in the sphere of knowledge:
 - Dr. Jodh Singh, Life Fellow and Editor-in-Chief
 - Prof. Prithipal Singh Kapoor, Life Fellow
- Conducted different Road shows for creating awareness among people regarding different social and political issues.
- Cleanliness campaign organized under Swachh Bharat Abhiyan.
- Extension lecture organized on Gender Sensitization.
- Workshop on Martial Art organized to boost the confidence among the girl students for self defense.
- University has adopted 5 Villages, out of which Akalgarh has been adopted by Women's Studies Centre, Punjabi University, Patiala on 05.05.2015.
 - A team of 3 faculty members & 70 students was constituted for survey of the village and found the living conditions of the villagers deplorable and unhygienic. The main aim of adoption of this village was to alleviate poverty improve the quality of life and ultimately developing Akalgarh as a model village in the coming years.
 - In the light of the above analysis, the centre has been making strenuous efforts to enhance the quality of the life of the villagers by providing various facilities.
 - Cleanliness drive was initiated by organising NSS camps with the involvement of students, who demonstrated the ways to maintain cleanliness in the village. NSS Deptt. of the University provided separate dustbins at required places for reusable and non-reusable wastes.
 - A medical camp was organised by the Dispensary of the University, under the

aegis of Dr. Chhabra in collaboration with Patiala Medical Representatives Association. Free medical check-up for villagers was done and free medicines were provided to them.

- The nights in the village were engulfed in darkness as no street lights were in working condition. We decided for green option and SBOP installed 12 solar lights within the periphery of village, which has made it safer for all especially for women to move out at night.
- Only one Government primary school is providing educations to the children. The condition of the school was pathetic as there were no proper mats, benches potable drinking water etc. The centre in collaboration with Women' Club, provided various amenities in the school, like mats, benches, RO drinking water, cooler and stationery.
- Under Swachh Bharat Campaigning the trees were planted by the centre to provide neat and clean environment to the students.
- To create awareness and importance of clean and green environment, paintings on trees and walls of the school were made by students of Fine Arts of the University.
- The NGO 'Sarbat da Bhala' provided help to meritorious students in village who were not able to continue the studies because of financial constraints. They helped in arranging scholarships to the students.
- *Social Awareness*: Nukkard plays were organised to make the villagers aware of gender disparity by theater & TV Deptt. of the University.
- From the survey it was found that stitching was most demanded vocational course amongst the females of the village. In order to get a proper place, the centre approached the local MP and he provided funding to construct a big room for opening of skill development centre for females. It took almost one year and now with the help of Samvedna NGO, it will shortly start imparting the stitching skills to the females.
- The internal sewerage system was repaired and reconstructed by requesting the BDO of the concerned village.
- World Water day observed.
- World Social Work day observed.
- Swachh Bharat Abhiyan at village Fagan Majra.
- Anti Begging rally at Punjabi University Campus.
- 03 Medical check-up camps at Tafazalpura Basti, Baba Jiwan Singh Basti & Village Kauli.
- 02 Eye check-up camps at Tafazalpura Basti & Baba Jiwan Singh Basti.
- Anti Crackers rally at Punjabi University Campus.
- Donation collection through candle sale at University campus for Deaf and Blind school Safdipur, Patiala.
- World Human Rights day observed.
- World AIDS day observed.

- Organised special Olympics with collaboration Navjivani school of Special Children, Sullar, Patiala.
- Extension Lecture on "Jammu and Lahore Durbar: A Historian's Narrative", Maharaja Gulab Singh Research Centre, Jammu August 2017.
- Extension Lecture on "Saragarhi and Its Historical Importance", Public College Samana September 23, 2017.
- Extension Lecture on "Sri Guru Tegh Bahadur : Message of Tolerance and Unity", Guru Gobind Singh Khalsa College for Women, Jhar Sahib, (Ludhiana) October, 2017.
- Extension Lecture on "Cultural Diversity and Integration", B.Z.S.F.S Khalsa College Girls College, Morinda, November, 2017.
- Extension Lecture on "Sikh Religion - A Historical Perspective", Public College, Samana, February, 2018.
- Extension Lecture on " Guru Gobind Singh and Hill States", Government College For Girls, Ludhiana March 22, 2018.
- Awareness Programme Anti Drug Policy; Eco-friendly policies.
- Extension lecture by Mrs. Paramjeet Kaur, on "Special Education", 27.10.2017.
- Dr. Surjeet Singh Dhillon on "Relation between Education and Science" 4.11.2017.
- Extension talks, participation of the students in social, cultural and Environmental programmes related activities at the Institutional level.
- The students & faculty of the music Department actively participate & perform frequently in the cultural functions of the University and at state national and international level. Also perform on AIR & Doordarshan.
- Zinda Lash (A short film on Sexual Assault) directed by Manjit Singh Gill, Film Screening and Discussion (24 October 2017).
- Kapoor Singh Ghuman: Life and Works – An Interaction Prof. Navnindra Behal (14 November 2017).
- Punjabi Opera Orientation Workshop – Dr.Kuldeep Singh Deep (18 November 2017).
- Film Script Writing Workshop-Kuldeep Kumar (Playwright & Film Writer) (21 & 22 Jan. 2018).
- Television and Film Screen-play Writing Workshop Parveen Kumar (Film Writer & Director) (30January 2018).
- Kujat (A short film on Caste Violence in Rural Punjab) directed by Harpinder Singh, Film Screening and Discussion - (15 February 2018).
- Theatre Festival was organised in the memory of Sh. Balraj Pandit:
 - Play Main Rahi Masoom, Writer & Director - Bhaskar Savarkar (03 April 18)
 - Play Gidh, Writer - Vijay Tendulkar, Director - Satender Singh (04 April 18)
- A play 'Shades of Life' a collage on the stories of Saadat Hasan Manto and Agyeya was produced and staged directed by Namrata Sharma (3 & 4 May 2018).

- The English Department organized the annual Sood Memorial Symposium for the students in October, 2017. The Symposium is meant to help learners express their views and hone their public speaking skills. They also learn to pose and answer questions related to their presentations.
- For the prestigious Rao Memorial Lecture held in March 2018, the English Department invited the acclaimed academic and critic, Professor Rumina Sethi, of Department of English and Culture Studies, Panjab University, Chandigarh, who spoke on the urgent need to re-formulate the theoretical constructs and modernity in the wake of emerging cultural needs and developments.
- On 13th February 2018, the English Department organized a talk by the Yorkshire-based (United Kingdom) acclaimed and hugely popular playwright, novelist, poet and director, Mr. Neil Rathmell, who spoke on literary narratives and their constructedness.
- In May 2018, the English Department became the venue for holding a day-long annual Poetry Meet of a leading amateur, poetry promotion group called Rhythms of Rhyme. In this Poetry Meet-cum-Recitation, leading poets of Punjab and Chandigarh recited their published and unpublished poems in English, Punjabi, Hindi and Urdu. The programme was very well received.

Criterion –IV

4. Infrastructure and Learning Resources

4.1 Details of enhancement in infrastructure facilities

(i)

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	316 Acre	-	PUP,	316 Acre
Class rooms	319	-	UGC-SAP,	319
Laboratories	223	-	CAS, RUSA,	223
Seminar Halls	40	-	DST-FIST,	40
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	29	AICTE-CSIR, DST, PTA Fund,	29
Value of the equipment purchased during the year (Rs. in Lakhs)	-	38.60887	Departmental Fund, RUSA,	38.60887

(ii) Details of other new infrastructure facilities:

Sr. No.	Name of Building	Covered Area	Completion Date	Cost & Source of Fund
1	Construction of Fitness Centre	3x71'-0"x81'-0" = 17253 Sqft.	under progress	Estimated Cost 2.10 Crore (UGC Grant)

4.2 Computerization of Administration and Library

Most of the library operations and services are computerized. RFID technology is in use.

Under the aegis of Dean, Research, Punjabi University Patiala and with the Technical Support of University Computer Centre, an Electronic Theses and Dissertations (ETD) Lab has been setup for the digitization of thesis available with the Library. University Computer Centre is also taken as Nodal Agency for imparting technical support to promote use of URKUND plagiarism software. It has also provided technical support for setting up of NPTEL resource material centre.

4.3 Library Services

Bhai Kahan Singh Nabha (Main Library) University Campus

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books Reference Books	4,85,764	70,80,665	8231	4566924		
e-Books	215	-	-	-		-
Journals	335	34,75,880	-	-		
e-Journals	146	10,54,136	-	-		
Digital Database	06	-	-	-		-
CD & Video	4704	Free of cost Books/Thesis	488	-	5192	Free of cost Books/Thesis
Others (specify)	Wi-Fi facility	Lift for handicapped members	CCTV Cameras	Fire Fighting System		-

Departmental Libraries

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	248878	19310383	2007	632746	250885	19943129
Reference Books	124878	6198166	624	344347	125502	6542513
e-Books	206	0	0	0	206	0
Journals	2297	592045	5	1340	2302	593385
e-Journals	376	0	0	0	376	0
Digital Database	77119	53	0	0	77119	53
CD & Video	1426	53030	0	0	1426	53030
Others (specify)	962	15000	686	99921	1648	114921

- Gurmat Gyan On-line Study Centre has Bhai Randhir Singh Online Gurmat Sangeet Library established with the financial support of Akhand Kirtani Jatha, Surrey, Canada. Its website is www.gurmatangeetlibrary.com where digitized books, research papers, research articles, magazines, souvenirs, simrati granths and periodicals related to Gurmat Sangeet are regularly uploaded.

4.4 Technology Up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	2859	201	27	54	3	02	12	04
Added	117	3	24	47	2	07	13	02
Total	2976	204	51	101	5	09	25	06

4.5 *Computer, Internet Access, Training to Teachers and Students and any other programme for Technology Up-gradation (Networking, e-Governance etc.)*

- University Computer Centre (UCC) extended its support by sharing the technical knowhow required for the Examination Branch Online Enquiry Services like transcript, Medium certificate/Equivalence certificate, Document Verification, Duplicate DMC/Correction DMC, Duplicate Degree/Correction Degree, Inter University/Inter College Migration, Eligibility etc
- Staff of the Centre also acted as resource person in demonstrating use of computers in UGC-HRD centre for various orientation, refresher and inducting programs to teachers and research scholars.
- Up gradation of Punjabi University website with new technology as well as also in Punjabi Language
- New UTM firewall has been installed in the University
- Two new segments of Fiber optic has been added in the existing Campus Wide Fiber Based Local Area Network; Specific measures have been taken strengthen Arts and Social Science Departments by providing circular redundancy of the Fiber link.
- Ph.D. registration/Final viva are being conducted for offshore students through online video conference by UCC.
- Eleven hostels have been strengthened by upgrading the respective Wi-Fi hotspots.
- University Computer Centre is taken as facilitation centre for persons employed on compassionate grounds so as to provide them one month training. It includes hands on training to use office automation tools. One such training session were held in University Computer Centre from 22-5-2018 to 21-6-2018.
- Two B.Tech students undertook summer internship under the guidance of System Officers. An ITI student also took training for Six months in University Computer Centre.
- System Officers of the University Computer Centre attended:
 - One-day onsite professional/technical seminar on “**CISCO START TECH MELE**” sponsored by CISCO, held at Hyatt Regency, Chandigarh on dated 26th October, 2017;
 - One day onsite professional/technical seminar on the “**Red Hat Tech Yatra**” sponsored by Intel, held at Hometel Hotel, Chandigarh on dated 19th January, 2018;
 - One-day technical seminar on “**Business Innovation Tour - Tomorrow’s Edge**” sponsored by VM-ware India, held at Hotel Hyatt Regency, Chandigarh on dated 16th February, 2018.

4.6 *Amount spent on maintenance (in Rupees)*

1.	ICT	2,00,000
2.	Campus Infrastructure and facilities	1,30,15,590
3.	Equipments	3,79,488
4.	Others	1,17,352
	Total	1,37,12,430

Criterion –V

5. Student Support and Progression

5.1 *Contribution of IQAC in enhancing awareness about Student Support Services*

- All the information related to Student-support Services is available on the website (punjabiversity.ac.in). The IQAC encourages/reminds the
 - Concerned official/sections to update the information on website as and when there is any change.
 - Heads of the Departments are requested to make the students aware of the Student-Support Services through the class counsellors and also during the orientation programme for the freshers.
 - Dean Student Welfare Office also creates awareness among students about student Support Services through Wardens, Student Council.
- Updates on notice boards to ensure active participation by students in various activities.
- Regular activities in connection with creating awareness about Student Support Services are undertaken like Student counselling solving their individual as well as other problems/difficulties faced by students/hostelers or students residing in private accommodation/PGs. Job avenue guidance is given regularly.
- Awareness is also given about financial support provided to poor students in terms of scholarships and fee waiver schemes.
- From time to time, through the Departments, IQAC inform students about various scholarships, fellowships and other financial aid provided by various agencies and national bodies.

5.2 *Efforts made by the Institution for tracking the progression*

IQAC request the Departments to collect, compile and analyse records for tracking the progression. For this the IQAC has designed two proformas to be filled by the students.

5.3 (a) *Total Number of students*

UG	PG	Ph.D	Others	Total
7355	5830	3563	1063	17811

(b)	<i>No. of students outside the state</i>	2612
(c)	<i>No. of International Students</i>	157

Men		Women	
Number	%	Number	%
8533	47.90	9278	52.10

Last Year 2016-17						This Year 2017-18					
General	SC	ST	OBC	Others	Total	General	SC	ST	OBC	Physically Challenged	Total
13507	3038	16	997	47	17605	12616	3561	22	1504	108	17811

5.4 *Details of student support mechanism for coaching for competitive examinations (If any)*

Punjabi University is a privileged partner of Infosys Technologies in the 'Industry-Academia Collaboration' under the banner of 'Campus Connect' wherein training is provided to the Engineering and MCA students for sharpening their Technical and Soft skills. With a view to enhance the competitiveness of our students, training is provided for Aptitude (Verbal & Numeric ability and Logical reasoning) Test. Also provided free (introductory) classes for the GATE to Electronics and Communication Engineering, Mechanical Engineering Students.

- Seminars are conducted by the Placement Cell on Skill Development/Group Discussions/Personality Development and Communication Skills.
- Special classes for M.Phil./Ph.D. students were held for NET examination.
- There is IAS and Allied Services Training Centre for competitive examinations in the University. Faculty members visit the Centre and provide their services.

No. of students beneficiaries = 647

5.5 *No. of students qualified in these examinations*

NET	SET/SLET	GATE	CAT	IAS/IPS	PCS	UPSC	OTHERS
165	5	51	3	0	1	0	67

5.6 *Details of student counseling and career guidance*

University has a well established centralized Finishing School: Career Counselling and Placement Cell, which conducts various activities for the students. The Cell works towards enriching the knowledge of the students by organizing Seminars/Workshops/Webinars/Classes with help of experts invited from industry/Senior or retired Professors.

Separate mentors for each class have been assigned to look into the professional and personal problems of the students.

No. of Students benefitted: 1160

5.7 *Details of Campus Placement*

University has a well established and centralized Placement Cell – Finishing School: Career Counselling and Placement Cell, which conducts various activities for the students.

On Campus			Off Campus
Number of Organizations	No. of students participated	Number of students placed	Number of Students placed
194	2115	715	145

5.8 *Details of gender sensitization programmes*

Women's Study Centre

- The centre itself has been created to work for women empowerment. It is running courses at Post Graduate level i.e; M.A.in Women Study and two P.G. Diplomas (P.G. Diploma in Gender Studies and P.G. Diploma in Women and Child Development.
- Organized seven days Workshop on the theme 'Financial, Legal and Social Awareness among Teachers' organized by Women Studies Centre, PUP from 9-15 January 2018.
- Gender Sensitization during the Training Programme for Punjab Police Commando Complex, Patiala on 13th, October 2017.
- Gender Sensitization lecture in Punjab Police line Ropar (June 20, 2018)
- Lecture Series on Gender Sensitization had been carried out for University Students, Colleges and Schools during the session 2017-18.
- Law Department organized workshop on Gender Sensitisation on 28 September 2017 with the collaboration of Women's Studies Centre.
- Gender Justice subject is being taught in B.A.LL.B. IIIrd Year.
- All year long, as part of teaching and even beyond that, through impromptu talks and informal interactions, the Departments raise awareness among learners regarding the urgent need to be gender sensitive and stand up for one's rights, particularly among women, wherever they are attempted to be compromised or overlooked. Girl students are particularly motivated to approach the Prevention of Women's Harassment Cell operating on the University Campus in case of any problem related to their rights, safety and freedom.
- Gender and Society is being taught as a paper in B.Ed. course. The syllabus of the paper is formulated with the basic objective of gender sensitization among prospective teachers. Besides, these students were assigned the task of report writing on various issues concerning gender in the Indian society.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

Sports:

State/University Level	National Level	International Level
1130	400	20

Cultural:

State/University Level	National Level	International Level
25133	19	01

5.9.2 No. of medals/awards won by students in Sports, Games and Cultural events;

Sports:

State/University Level	National Level	International Level
9	254	Team = 121 Individual = 160

Cultural:

State/University Level	National Level	International Level
09	09	-

5.10 Scholarships and Financial Support

	No. of students	Amount in Rs.
Financial support from Institution	771	43,75,030/-
Financial Support from government	2295	6,76,00,342/-
Financial Support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organized/initiatives

Our students are involved in organizing different activities in the University, like Blood donation camp, Annual Cultural & Sports events, tree plantation, etc.

- TV/Web Series "Yaar Jigree Kasooti Degree" fir Punjabi Drama on College life being aired from 15 Sept. 2017 on Troll Punjabi You Tube Channel and Ptunes TV Channel Star Cast includes Seven Students of University namely Sukhchain Singh (Casting Director), Pawan Johal (Mainlead), Mohit Kumar (Assistant Director), Narinder Singh, Shaishav Garg, Jagmeet Kaur in Supporting rules.
- Our Five Students Ekjot Singh, Jagwant, Sandeep Singh and Sukhchain Singh and Shaishav Garg have started Web TV named Punjab Today.

Fairs:

State/University Level	National Level	International Level
10	1	1

Exhibitions:

State/University Level	National Level	International Level
1	0	0

5.12 No. of social initiatives undertaken by the students :

Total No. of Social initiatives = 57

Various social initiatives undertaken by the students are given below:

- NSS volunteers organized some of the NSS activities (like cleanliness drives, plantation) and Blood Donation Camps.
- Students made an Audio/Video and documentary for social media to spread awareness and decrease myths and misconceptions regarding psychological issues.
- On several occasions the students of Fine Arts with the help of the faculty organized campaigns in environment awareness and beautification of the campus by displaying paintings and painting some murals on the walls of the campus.
- To spread the universal message of Ten Sikh Gurus, paintings, Graphic prints and Miniature paintings specially painted on the theme of Gurbani couplets penned by specific Sikh Gurus with their intricate and artistic portraits and mesmerizing Graphic Prints were created and exhibited in the Annual Exhibition of the Department of Fine Arts.
- Healing Hand Society is a student forum formed by students which conducts various activities from time to time on Physiotherapy.
- Community rehabilitation programs (camps) are organized from time to time.
- Every year our students visit and does social service at Village “Akalgarh”, adopted by Punjabi University, Patiala.
- Students carried out extensive surveys and data collection at clinics, hospitals, private and government maternity homes, children's day care centres and crèches so as to accurately ascertain the ground-reality scenario prevailing at the time of girl children's birth, the actual treatment meted out to them as well as the actual status of the Pre-Natal Sex Detection Tests which are illegal and yet have not disappeared altogether. This was done as very important inputs to be given to the UK-based playwright, Mr. Nel Rathmell, for the writing of the proposed play, 'Unborn'/Sand in Her Mouth', specifically catering to women's

concerns, the problems thereof , and the need to gender-sensitise boys and men along with girls.

- Teaching English and Arithmetic skills to street urchins, orphans, beggar children and other underprivileged children under the Railway Over Bridges at Railway Crossing No. 22 and 21, Patiala.
- The B.Ed. students voluntarily taught in the government schools of the district to help educationally weak students.

5.13 *Major grievances of students (if any) redressed*

Major grievances of the students which have been redressed by the University are:

- The problem of Drinking R.O. water is resolved.
- Provided scholarships to needy and deserving students.
- Provided hostel accommodation to a large number of girl students.
- Canteen facility required: Resolved.
- Lawns Improvement: Resolved.
- Student issues and grievances are tackled by the HODs as well as the respective class-mentors and the students can approach them without any intermediate for Personal Counselling as well as day to day crisis.
- Student's major grievance pertains to lack of adequate hostel accommodation for girls. In this regard, girl students are motivated to accommodate fellow students and are encouraged to settle for hostel adjustment in case no allotment is forthcoming.

Criterion –VI

6 Governance, Leadership and Management

6.1 *State the Vision and Mission of the Institution*

The vision of Punjabi University, Patiala is

- to promote Punjabi language, literature, art and culture, and the development of Punjabi language as a medium of instruction and examination in various fields of study
- promotion of higher education and research in Business Studies, Engineering, Medicine, Physical Sciences, Life Sciences, Social Sciences, Computing Science, Education & Information Science, Law, Languages, Arts and Culture.

In taking forward the mission of Punjabi University for promoting Punjabi language, literature and culture and in its pursuit of excellence in higher education, the endeavour would be to make the University:

- a natural home for the germination and cross-pollination of ideas
- a centre of academic excellence promoting access to inclusive and quality education
- a knowledge cluster in partnership with neighbouring institutions of higher learning, industry and civil society
- an institution attracting and retaining internationally acclaimed faculty
- a premier institution producing highly employable and committed students imbued with critical thinking, scientific temper and humane, secular and ethical values.

6.2 *Does the Institution has a Management Information System (MIS)*

Yes, the University has Management Information System (MIS), which is a piece-meal type of MIS and it is active in the following sections/Departments.

- a) Central Library b) Central Admission Cell c) Examination Cell
d) Accounts Section e) Guru Gobind Singh Department of Religious Studies

Institute also has an MIS in the form of University and Departmental websites. The websites help in constructive dissemination of important information, forms, rules and regulations for the faculty, staff, students & other stakeholders.

6.3 *Quality improvement strategies adopted by the Institution for each of the following*

6.3.1 *Curriculum Development*

The University has undertaken several measures, which can be labelled as best practices in curricular aspects:

- The University has very liberally promoted the adoption of UGC-sponsored add-on courses which include interior designing, environmental education, agro-services, rural handicrafts, data-care management, tourism, instrumentation, fashion designing, tax procedures & practices, entrepreneurship & small business, and communication skills.
- The University has adopted the semester system in place of the annual system of examination for more effective organization of teaching and evaluation. This includes the introduction of internal assessment on the triple criteria of attendance, testing and assignments/classroom performance.
- The syllabi are revised at least once every two to three years in view of the feedback received from various sources and the changing requirements.
- University has implemented CBCS & SWAYAM-MOOCs.

6.3.2 *Teaching and Learning*

- Transparency is maintained in the whole of the admission process. Reservation of seats for differently abled individuals is strictly followed as directed by the State Government.
- The Semester system has been introduced and internal assessment has been made part of the evaluation programme.
- The University has created a placement cell which looks after the placement of all the students of the University. A counselling cell is also established in the Department of Psychology.
- 13 Neighbourhood Campuses/Regional Centres mostly in rural areas like Jaito, Rampura Phul, Jhuneer, Karandi, Sardulgarh, Joga Ralla Dehla Seehan has been a unique innovation which is done for the academic growth of the rural and economically poor sections of the society.
- A unique and innovative way of financing higher education is being used in Yadavindra College of Engineering, Talwandi Sabo. In this college rural students who are economically weaker are admitted and the expenditure of their studies is met through the donors from India and abroad.
- Most of the faculty has been trained in the use of computers, internet and audio visual aids.
- Modern educational technologies in teaching, such as multimedia teaching have been strengthened. All the Departments have been provided with computers and internet facilities.
- University has local chapter of National Programme on Technology Enhanced

Learning (NPTEL). Large number of faculty and students are taking advantages of it.

- The Department of fine arts continuously engaging the students in practical as well as theory subjects by holding weekly, monthly class tests, tutorials, practical assignments, Class Seminars by evaluating every student individually as well as in groups holding lecture-cum-demonstrations, Slide Presentations, Slide Tests and giving them different topics and themes to create works of art in their own style and guiding them in practical subjects by motivating them to adopt the latest contemporary styles, techniques, mediums, trends and monitoring their day to day progress by Class Assignments and sketches. Regular consultation of art books, journals, catalogues, brochures, art magazines of repute and books on aesthetics. Any extra artistic work which a student wishes to undertake or discuss about topics from history of art and aesthetics is welcomed and guided through expert lectures and interactions with the invited art experts in various fields which are in our syllabus. An effort is made by the faculty members to clear any doubts about the subject of fine arts or other general art sphere. The students are also guided about the vast avenues where their artistic skills and expertise can be engaged.
- More smart classrooms has been created in the departments.

6.3.3 *Examination and Evaluation*

- We have Mid-semester exams (continuous assessment system) and End semester Exams. Mid Semester Exams are managed by Departments and End-Semester exams are managed by Controller of Examination and his team. It is a full proof system with full transparency.
- Question papers are prepared by outside experts.
- End semester exams evaluation is mostly done through table marking.
- Punjabi University, Patiala show results on University Website. Punjabi University upload Date-Sheet, News and Cut list on University Website. Punjabi University has website (www.pupexamination.ac.in) for Cutlist/Internal/Practical online submission of sessional marks.

6.3.4 *Research and Development*

- University is planning to implement new plagiarism policy as per UGC guidelines.
- Capacity Building programmes by Dean Research.

Strategies

University's research strategies to improve faculty participation in research include:

- MoU with INFLIBNET for URKUND Plagiarism Check tool.
- Conduct of Workshop/Short Course on use of URKUND as plagiarism detection tool.

- Conduct of Workshop on Unicode.
- Our University research branch website has become online in which the details of all the research scholars in various Department has become online. Anyone can search the status of the research scholar like when he has been enrolled, registered and when the degree has been awarded. Moreover, the Title of the research work, details about the supervisor can be easily found from the website. In the second phase of the automation, we are planning to make everything transparent like - details about annual seminars, fees deposited, any pending documents, any pending fees, pre-submission status, thesis submission status, evaluation progress etc. With this, the students will be able to know the status of progress of work online and thus making their task easy.
- Regular Research Seminars
- Consultation with the local community to establish linkages
- Presentation of data regarding the status of research before the faculty in Departmental Research Board (DRB), Board of Post Graduate Studies & Research (BPSAR) and Research Award Committee (RAC) meetings.
- Publication of information about Research Projects granted to the University faculty and information about funding support for research activities.
- Research training workshops for staff
- Research monitoring
- Awards for recognizing research excellence (Syndicate honours faculty members for their contributions)
- Sophisticated Instruments Centre is well maintained and it also conducts Workshops for researchers so that the instruments can be properly utilized for research.

6.3.5 *Library, ICT and physical infrastructure/instrumentation*

Library

Regular monitoring of the functioning is done by the management. Remedial actions are taken time to time regarding maintenance, upgradation, modernization and new setups. All in-house jobs in case of library are automated.

ICT

a) Upgradation of Video-conferencing facility

An escalating trend for online discussions, conferencing, online lectures and placement interviews etc. is observable. The new setup envisaged will provide great ambience to conduct video-conferencing sessions, conduct trainings, proficiency tests, vocational courses, committee meetings, event-management for specialised technical trainings, liaison with mass recruiters and other multi-national companies of the repute.

b) *Gen-Set/UPS battery Bank for Core Switches*

Prolonged Lifespan of sophisticated and costly equipment are being used intensively for Real-time applications. New facility is being envisaged to be setup so as to Prevent Data losses due to Electrical malfunctioning.

c) *Surveillance and Fire safety system*

Robust fire safety system, fire alarms as per building and fire safety norms that can safeguard human life, costly storage, switching, servers, firewall and other sophisticated equipment are a necessity. New Era Fire Fighting System and Quick Response System are urgently required to thwart threat of fire are urgently required.

d) *Research Support to Students, Scholars and Teachers Activity*

- Upgrading Wi-Fi based Academic Blocks and Research Scholar Flats and to Set new Wi-Fi Zones.
- Setup of campus wide wireless network with seamless connectivity for providing digital education.

Majority students will bring their own devices to access the campus e-facilities. WAPs that can support heavy load of concurrent users, voice and video applications will be able to support next generation e-facilities. New Wi-Fi hotspots are required in the Academic Blocks and Research Scholars immediately.

Physical Infrastructure/Instrumentation

(i) ***Construction and Maintenance Wing***

Consultants for Quality Control:

The Quality Control Consultant appointed for those work in which expenditure is more than Rs. 2.00 Crore. It is expected that every contractor will have proper quality control staff and procedures in order to ensure quality. The contractor shall engage a competent and independent quality control consultant approved by Engineer in charge of work to exercise effective control over the construction operation in the field so as to produce quality works. The fully equipped laboratory shall be set up at site of work and trained staff shall be employed by the said consultant.

Terms and Conditions:

The contractor shall supply to the Engineer-in-Charge a copy of his agreement and the fee for quality should generally be between 0.5% and 1.5% at the contract value. The payment to the quality consultant shall be made by the Engineer-in-Charge direct as per the copy of the agreement supplied by the contractor. This payment will be recoverable from the contractor. The Consultant will guide the contractor for production of quality works at all stages and shall maintain records. Reports and test results so as to indicate the extent quality to Engineer-in-Charge regularly. The contractor shall also attach a copy of these reports, tests and check with his bill without

which no payment shall be made. The Engineer-in-Charge can also order the change of consultant if in his opinion they are not performing competently. The Engineer-in-Charge will be free to conduct surprise, random or in situ checks so as to have cross check on quality control consultant, the Engineer-in-Charge may order employment of a consultant at the cost of the contractor or may order the Department staff or carry out the quality control checks and a deduction at the rate of 1.5% of the total cost of the work shall be deducted from the bill of the contractor even if the actual expenditure incurred on private consultant or Department quality control is less, Nothing in this clause shall reduce the overall responsibility of the contractor quality and he shall remain liable for any defect in the execution.

Performance Test:

The contractor shall give a satisfactory performance test of the entire installation as per standard specifications before work is finally accepted and nothing extra whatsoever shall be payable to the contractor for this test.

(ii) ***Sophisticated Instruments Centre:*** All the instruments are being handled by the expert staff members to maintain quality of experimental data and maintenance of instruments is also taken care of by the expert staff. The regular necessary maintenance is being got done from the concerned companies from where the systems had been purchased.

(iii) ***Department of USIC:*** USIC look after the repairs of all the University Department's instruments, photostate machine and printers.

6.3.6 *Human Resource Management*

Keeping in mind the scarcity of funds, Human Resources are managed effectively through the meetings of the management with the heads of the Departments/sections. On need basis time to time the staff is moved from one Department/section to another to make effective utilization of human resources.

6.3.7 *Faculty and Staff Recruitment*

University has a Recruitment Cell for recruitment of teaching and non-teaching staff. Based on the demand from various Department/sections, budgetary allocations are made in the annual budget and recruitment is made as per the set procedure approved by Competent Bodies.

6.3.8 *Industry Interaction / Collaboration*

The Department heads and their faculty are encouraged to work toward the industry interaction/collaboration. The industrialists are invited on different occasions by the University to interact in the faculty and to create a conducive

environment for collaborations. We have 11 collaborations with the industries/ non-technical organizations. The activities organised during 2017-18 are given below:

Sr. No.	Participating Departments	Dates	Description
1	Engg. & MCA	02-09-2017	Transformation from Academics to Industry
2	Engg. & MCA	12-09-2017	Preparation of Sycometric Test
3	for Dean Faculty of Social Science & Business Studies	13-09-2017	Soft Skill Training Programme
4	English, Commerce & Engineering Dept.	26-09-2017	Digital Pedagogy for English Enhancement
5	Engineering-ME	27-09-2017	Careers in Automobile Industry for ME
6	Arts, Science & Business studies Dept	28-09-2017	Soft skill Training Programme
7	Engineering	04-10-2017	Information Session by Education USA Advisor from USIEF-Learn about 5 steps to US Higher Education
8	Engineering	06-10-2017	Virtusa Neural Hack contest -2017
9	Engineering -ME	02-11-2017	Entrepreneurship opportunities in manufacturing sector
10	Engineering & Non Engg	07-11-2017	Jaro Education-Hunar-17 (On-line Test)
11	Engineering & Non Engg	01-11-2017	IPEV Road Drive (Indian Air Force)
12	Engineering	08/01/2018 to 12/01/2018	Infosys -On-line Webinar
13	Engineering & Non Engg	17-01-2018	Career Awareness Talk by Scientists from BARC
14	Engineering & Non Engg	02-02-2018	E-Conclave on Entrepreneurship: Innovation and Challenges
15	Engineering	28-02-2018	SSB training and personality development
16	Engineering	19-20/02/2018	Soft & Technical Training Programme
17	Engineering, Management, Commerce, Journalism, Biotechnology, Pharmacy & Economic Dept.	07-8th April 2018	Entrepreneurship-Innovation & Challenges Conclave
18	Engineering, Pharma Food Tech., & Zoology Dept.	10-04-2018	Participation of Engineering & Food Tech. Students and alumni in "Rural Entrepreneurship Innovation Convention" Organized by PHD Chamber of Commerce
19	All Departments	25-04-2018	MoU between PHD Chamber of Commerce & Industry and Punjabi University, Patiala

6.3.9 *Admission of Students*

The University has Centralized Admission Cell, which looks after the centralized counselling. The admission process which was already online is further improved for the convenience of applicants regarding fee, documents & form submissions. Results and information's about vacant/filled seats etc. are displayed on the website.

6.4 *Welfare schemes for Teaching staff, Non-teaching staff and Students*

The University provides its staff with a number of welfare schemes which benefit not only its employees, but their families as well. The schemes cater to some very important aspects of human life like education, finance, health care, transport, security, child care and recreation.

The following are the Welfare Schemes available for Teaching staff, Non-teaching staff and students:

- a Group Insurance Scheme
- housing loan scheme
- wheat loan, cycle loan and free Uniform for class-C staff
- provision for Maternity and Paternity Leave, Medical Allowance, House Rent Allowance, Concession in fee for the wards of University Employees, Residential Facility on the Campus, Crèche for children of University Employee and many more
- faculty club
- on-campus Senior Secondary School provides affordable education to the children of a large number of University Employees
- highly subsidized transport facility to employees, their school going children and students.
- Bhai Ghanaiya Health Centre is well-equipped to cater to all general and emergency medical services with a 24X7 Ambulance facility. Besides, Physiotherapy Unit has been actively involved in providing services to the employees and their families. This year Health Centre organized 1 seminar on Cardiac Problems and Prevention on 6.11.17 and 1 Free Medical and Blood Sugar Check-up Camp on 8.3.18.
- Holiday Homes at Andretta, Shimla, and Dehra Dun provide an ambient atmosphere in the lap of nature for relaxation and rejuvenation at reasonable rates.
- Reading Hall is kept open for 24 hours a day for reading personal books throughout the year.

6.5 *Total corpus fund generated* Nil

6.6 *Whether annual financial audit has been done* Yes

6.7 **Whether Academic and Administrative Audit (AAA) has been done?** Yes

6.8 **Does the University/Autonomous College declares results within 30 days**

For UG Programmes	Yes
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For PG Programmes	Yes
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6.9 **What efforts are made by the University/Autonomous College for Examination Reforms?**

All the programs are having semester system. University displays Datesheets and results on University Website. All the forms, rules and regulations are available on the University website for the Convenience of Students.

6.10 **What efforts are made by the University to promote autonomy in the affiliated/ constituent colleges?**

The University encourages and guides the colleges to develop themselves in a way so that in future autonomy may be granted to them. There are two autonomous colleges under Punjabi University Patiala.

6.11 **Activities and support from the Alumni Association**

Atleast once in a year, meeting of the Alumni Association is held. Pass out students are allowed to interact with the current students so that the students studying presently can be benefited from the experience of the pass students. In some cases, well settled students provide financial support to the economically weaker students presently studying in the University. At present University has Alumni Units in 47 Departments. It has 5 International Chapters of Central Alumni Association.

6.12 **Activities and support from the Parent-Teacher Association**

N.A.

6.13 **Development programmes for support staff**

The University encourages the non-teaching staff to improve their educational qualifications through distance education or evening classes. The University has very liberal rules to sanction leave if an employee wants to join a regular course. As a result most of the members of the non-teaching staff have completed their post graduation and even there are a few who have done their Ph.D.

In order to train the existing employees of the university for computer applications, University Computer Centre arranges free training courses in the evening. The employees are encouraged to join these courses.

6.14 *Initiatives taken by the Institution to make the campus eco-friendly.*

The initiatives taken by the University to make the campus eco-friendly are:

- Energy Conservation & Use of Solar Cells wherever possible
- Water Management
- Management of Hazardous Waste
- Smoke free, clean, healthy, eco-friendly environment
- The paper work has been reduced. All circular/notices are sent via e-mail.
- Poster competition on "Swachh Bharat Swasth Bharat, Beti Bachao Beti Parhao and Entrepreneurship" was organized.
- Many research projects in Ph.D and M.Sc.(Hon's) Biotechnology and M.Sc. (Hon's) Microbial and Food Technology Part-II are focusing major issues related to environment.
- Installation of wooden Bird Nests in the campus for conservation of their habitat.
- e-waste is managed as per the e-waste Management and Handling rules 2011 under the provision of the Environment (Protection) act 1986. The Director, University Computer Centre is acting as the Nodal officer.
- University has well established system for residential and hostel waste collection and disposal.
- Use of Polythene banned in University Campus.
- Every year on 2nd October, the university employees and students clean the department, laboratories and class rooms and took a pledge for Swachh Abhyaan.
- University has started a pilot project on preparation of organic manure from solid and liquid food waste in association with Punjab Eco Friendly Association (PEFA).
- Under UGC XII Plan scheme of Swachh Bharat Swasth Bharat university has:
 - purchased a four wheeler for collecting the garbage from the residential houses.
 - purchased approx. 250 dustbins (two coloured) for University hostels, market and parks for garbage. One dustbin for collection and disposal of solid and liquid food wastes and second for wood, iron, glass and plastic wastes.
 - organized some workshops/seminars on the topic of Swachh Bharat Swasth Bharat
 - planted trees (1875) in University campus and nearby adopted villages namely Akalgarh, Amargarh, Kauli, Sular, Gandakheri, Miranpur, Kheri Gujran, Chupki, Harbanspura, Kotli, etc.
 - enrolled students for Swachh Bharat Internships.

- Plantation
 - University has Green area of 172 acres out of total area of 312 acres.
 - Horticulture Wing of the University in collaboration with Punjabi University Environment Society and NSS department carry out plantation every year on need basis.
 - University every year organise *Chrysanthemum* (GULDOUDI) show in which besides Botany Department, floriculturists from outside the campus also participate.
 - The wooden bird nests have also been installed in the campus for conservation of their habitat.
 - University celebrate every year important days such as Biodiversity day and Environment day.
 - University also organizes Workshops, Conferences and Invited talks to create awareness about environmental issues & conservation.
- Efforts for Carbon Neutrality
 - With a view to reduce the carbon foot- print and focus on the carbon neutrality, regular effort is made by Horticulture, NSS and Botany Department to increase the green cover.
 - Besides above, the stubble generated through the sweeping of campus roads, lawns and kitchen gardens, instead of burning, is being collected regularly by the University sanitation wing for proper disposal.
 - Adding to the efforts of reducing carbon footprint, Botany Department is preparing vermin-compost from the fallen leaves, twigs and other refuse generated in the Botanical Garden and Plant conservatory, on daily basis.
- E-rickshaws
 - University has restricted the entry of four wheelers (for students and visitors) in the campus. To facilitate them e-rickshaws have been started in the university campus.

Criterion –VII

7 Innovations and Best Practices

7.1 *Innovations introduced during this academic year which have created a positive impact on the functioning of the Institution. Give details.*

- The Gurmukhi OCR developed by Computer Science Department is being used by three schools for blind for development of Gurmukhi books in Braille.
- Project works, Preparation of information books and presentations on various recent and applied topics have been introduced by Zoology and Environmental Sciences Department during this academic year.
- Promotion of interdisciplinary research in the north western region (Present Punjab, Haryana, Himachal Pradesh, Pakistan Punjab, Jammu and Kashmir and Delhi) through our annual conference and publication of its proceedings.
- Publishing *The Panjab Past and Present* (bi-annual Journal) and research projects by Punjab Historical Studies Department.
- The Department of Sri Guru Granth Sahib Studies has published 2 volumes of "Nanak Parkash Patrika" Magazine.
- A research project of Electronics and Communication Engineering Department is accepted by the DST.
- Expert talks are organized by the different Departments for the Faculty and Students.
- Promotion of extracurricular activities: Students activities, Cultural meet during welcome & farewell gatherings, Sports activities and Festival Celebrations.
- Collaborative research (Academic and Industrial collaboration).
- Paper work has been reduced and e-services are used to conduct various Departmental routine activities.
- Inter group Competition at regular, Intervals among M.A-I and M.A-II students of Journalism and Mass Communication Department involving media exercise like voice-over peace to Camera, Script Writing, Radio and T.V advertisement, One minute Challenge, RJ exercise, mobile Journalism (MOJO exercise, Students with first, second and third positions are given away the Prizes accordingly through know your country and "know your state exercise/ assignments students are kept updated with current developments.
- Camps arranged at various nearby places for patient exposure to students of Physiotherapy Department and for the benefit of community.
- Theatre and TV Department regularly presents plays for general public, in state/ national theatre festivals along with the important events and occasions of the University.
- Gurmat Sangeet Chair is regularly contributing for the revival, promotion, propagation and research of Gurmat Sangeet. In continuation with organising Annual Programs, in the session 2017-18, Gurmat Sangeet Chair organised 15th

Gurmat Sangeet Utsav along with Professor Tara Singh Simrati Smaroh and Bibi Jasbir Kaur Khalsa Simrati Smaroh. Gurmat Sangeet Chair also published Raga Ratan Book - Pearls of Celestial Symphony (Pictorial Rendering of 31 Principal Ragas of Sri Guru Granth Sahib based on Visuals of Sri Harimandar Sahib) by Tej Partap Sandhu and Dr. Anurag Singh in 2017. Other than this, from the year 2017, Gurmat Sangeet Chair initiated Gurmat Vikhian Vishesh Lecture Series in which various lectures related to Gurmat have been continuously delivered.

7.2 *Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year.*

During 2017-18 the UGC has released the balance amount of GDA Grant and the University has distributed the grant to different Departments as per plan. Under the UGC Swachh Bharat Swasth Bharat Scheme, the University has purchased dustbins for University Hostels, Market, Parks etc.

Women's Study Centre

- Organized seven days Workshop on the theme 'Financial, Legal and Social Awareness among Teachers' organized by Women Studies Centre, PUP from 9-15 January 2018.
- Gender Sensitization programmes had been organised in various University Department and Colleges affiliated to Punjabi University, Patiala.
- Gender Sensitization during the Training Programme for Punjab Police Commando Complex, Patiala on 13th, October 2017.
- Gender Sensitization lecture in Punjab Police line Ropar (June 20, 2018)
- Centre applied for two projects:
 - Digital Awareness Program for Enhancing Reproductive Health Care of Rural Adolescent Girls in Punjab, India (USAID).
 - A Comprehensive Programme to Enhance Awareness, Extend research project Support and Design Psychosocial and Legal Tools to Prevent the Menace of Wife Abandonment by Canadian NRIs in Punjab" (IDRC, CANADA).
- Application are invited from various Department of Punjabi University, Patiala for the selection of Gender Champion
- In Village Akalgarh Phulkari Training Centre for girls opened and Self-help has been created for the same

Department of Social Work

- Elective papers introduced.
- Field Action projects being undertaken in Field Work.

School of Social Sciences:

- Personality development lecture was organized to cultivate the hidden qualities among students.

Department of Psychology

- Students are encouraged to participate in National and International conferences and prepare scientific papers for the same.
- Students are encouraged to create Scripts dealing with myths and misconceptions regarding psychological issues.

Guru Gobind Singh Department of Religious Studies

- Department organized 350 Years birth anniversary of Guru Gobind Singh.
- Special Lecture on the theme 'Gurmat Ate Sehat' by Sh. Hardyal Singh (IAS Retd.) On 14-09-2017
- One Day Seminar on the theme 'Motivational Life Skills in Light of Religious Principles' by Prof. Vishal Monga (Chandigarh University) and Gagandeep Singh (CEO & Founder of Punjab Creations). There were around 200 participants on both days which include Delegates from different universities, research scholars, students and academicians.
- LANGAR in remembrance of Martyrs On 10th November, 2017 collectively organized by Department Faculty Members, Staff Members and Students.
- One day seminar on 'Dr. B.R. Ambedkar Sikh Kion Na Ban Sake: Tath Te Bharm' Speaker: Gurtej Singh (Retired IAS) Special Guest: Dr. Gurmeet Singh Sidhu by All India Sikh Student Federation Collaboration with Sirdar Karoor Singh Foundation Patiala and Guru Gobind Singh Department of Religious Studies. There were around 200 participants on both days which include Delegates from different universities, research scholars, students and academicians.
- Golden Jubilee Celebrations 20-12-2017 to 27-12-2017. 350th Birth Anniversary of Sri Guru Gobind Singh (Ministry of Culture, Govt. of India, Sponsored) Guru Gobind Singh Chair, Department of Religious Studies, Celebrates Golden Jubilee of Guru Gobind Singh Bhawan.
- Guru Gobind Singh Chair open a stall in the University Book Fair for Exhibition of materials relates to Sikh History from 21st February to 24th February, 2018. Theme: Prophets: Interfaith Understanding Delivered By Bharat Jhunjunwala, On 20 March, 2018. Organized by Ministry of Culture, (Government of India) Sponsored, Guru Gobind Singh Chair, Department of Religious Studies.
- Acharya Tulsi Memorial Seminar, On The Theme: The Concept of Atma (Soul): Inter-religious Understanding With Reference To Jainism, On 21st March, 2018, Key Note Address by Dr. Pradyumna Shah Singh (Professor) of Banaras Hindu University, Varanasi, Inaugural Address by Dr. Anekant Jain (Professor) Lal Bahadar Shastari Vishvvidyalaya, New Delhi.
- Special Lecture Theme: Capital Formation & Religion on 11-04-2018 Lecture by Dr. Baldev Singh (Retd. Prof.) Welcome Address: Dr. Gurmeet Singh Sidhu (Prof. & Head) Stage Secretary: Dr. Mohd. Habib, Vote of Thanks: Dr. Arvind Rituraj.
- Celebrate Baisakhi on 14th April, 2018.

Department of Mechanical Engineering

Syllabii of UG, PG and Ph.D. programmes have been thoroughly updated to include the topics concerning recent trends and advancements.

Department of Library and Information Science

One smart classroom developed as part of strengthening ICT Infrastructure in the Department.

Department of Biotechnology

- Updated ICT facilities
- Upgraded Smart Classrooms

Department of Physics

- The Department is yearly organizing the Academic/Educational Tour of M. Sc. Students to the Industrial Areas adjoining to Punjabi University-Patiala. During last four years, the students have visited the industrial area in Ambala City. They have learned about the working of the Electronics equipments.
- In the starting of an academic year, the Administrative and Academic Committee of the Department (AACD) constitutes various committees to share the work load of the Head of the Department. Faculty members of different designation and specialization are involved in these committees. The committees at their own discuss the matters and take the appropriate decisions in their meetings chaired by the Head of the Department. Similarly, a committee is also formulated to provide the fee-concession to poor students and Scholarships to meritorious students of the Department.

Department of Pharmaceutical Sciences and Drug Research

- Department has organized series of lectures by eminent experts in the field and also expert talks by alumni of Department to mark silver jubilee celebration.
- New syllabus as suggested by PCI has been implemented

Department of Civil Engineering

- Syllabii of UG, PG and Ph.D. programmes have been thoroughly updated to include the topics concerning recent trends and advancements.

Department of Theatre and TV

- Introduction of Production Project and Research Methodology in MA Theatre & Television.
- Organized three Theatre Festivals.

Gurmat Sangeet Chair

- Organised annual event Gurmat Sangeet Utsav in which prominent Ragis recite Kirtan in prescribed Ragas of Sri Guru Granth Sahib which is useful for research purpose.
- Basant Gurmat Sangeet Keertan Darbar has been organised at Gurdwara Sri Dukh Niwaran Sahib on 1st February, 2017 on the occasion of Basant Panchmi with the collaboration of Shiromani Gurdwara Prabandhak Committee, Sri Amritsar in which Dr. Gurnam Singh, Professor & Head, presented Keertan in Basant Raag of Sri Guru Granth Sahib.

- Alokik Gurmat Sangeet Keertan Darbar has been organised at Sri Anandpur Sahib on 20 October, 2017 in which Dr. Gurnam Singh, Professor & Head presented Keertan in prescribed Raagas of Sri Guru Granth Sahib.

University School of Applied Management

- Syllabii of MBA and Ph.D. programmes have been thoroughly updated to include the topics concerning recent trends and advancements.

Department of English

- The Department was able to hold the extension and outreach activities as had been envisaged at the outset of the academic session 2017-2018.

School of Management Studies

- Innovative methods such as Role Plays, Management Games, industrial visits, Video tutorials, Quiz competitions and Personality development programs in WEC and other students' engagement activities are adopted by the Department, which results in the overall development of students.

7.3 Give two Best Practices of the Institution

The Two best practices which are carry forward from the previous years are:

- Empowering the Youth
- Service to the Society

A1 Title of the Practice: Empowering the Youth

A2. Objectives of the practice:

What are the objectives/intended outcomes of this "best practice" and what are the underlying principles or concepts of this practice (in about 100 words)?

The prime objective of this practice is to empower youth with education and multiple skills. For this, along with traditional courses the University has started a large number of job-oriented courses including Dress Designing and Tailoring, Cosmetology, Dietetics, Travel Management, Insurance and Banking, Industrial Chemistry, etc. To take the higher education to the door steps of the deprived sections of the society, Punjabi University has strengthened the infrastructural facilities in its already established Regional centres and Neighbourhood campuses. Besides these, 14 Constituent Colleges were opened in remote rural areas of the Malwa Region. In these Institutions also, besides traditional courses, many job-oriented courses in Management and Computer Application have also been started.

- In its Yadwindra college of Engineering at Talwandi Sabo (Bathinda), the University is running a Golden Heart Scheme for rural meritorious wards of economically weaker section of the society. All the admitted meritorious students are provided free of cost education including hostel expenses, after matriculation.
- The University has strengthened Language Labs particularly at the centres where most of the students are from rural areas. Workshops on

Soft Skills and Communication Skills are being organized on regular basis for such students. At Yadwindra College of Engineering, Talwandi Sabo a Language Lab has been strengthened to improve communication skill of the rural students admitted to the College.

- The University Computer Centre, Human Resource Development Centre and Sophisticated Scientific Instrumentation Centre regularly organize practical workshops and short term courses for students, Research Scholars, Teachers and Administrative staff in skill development, handling and operation of scientific equipments and computer training for scientific and day to day work. The participants of these courses include teachers from other states also.
- The University has developed excellent Sports infra-structure, perhaps the best among all the universities in the country. A large number of students trained from the campus are excelling in the National and International Sports events.
- Research Centre for Punjabi Language Technology has introduced Akhar 2016, First Word Processor for Punjabi, Hindi, Shahmukhi (Urdu) and English with powerful features for typing, spell checking, translation, Transliteration and Optical Character Recognition in these languages is very useful tool for office and all Departments in the University as well as other state government Departments. The Advanced Centre for Development of Punjabi Language, Literature and Culture has developed a Gurumukhi to Shahmukhi (Persian) transliteration software (SANGAM), which is helping researchers in transliteration of Gurumukhi script to Shahmukhi script. Software has also been developed for conversion of Devnagri to Gurmukhi.
- Deep learning based language software such as Hindi-Punjabi/Punjabi-English Machine Translation Systems, Gurmukhi-Shahmukhi/ Urdu-Hindi/Sindhi (Arabic)-Sindhi (Devnagri) Transliteration Systems for breaking the language and script barriers.
- “Divya Nayan”, personal reading machine for visually impaired to read and speak out Punjabi text in research collaboration with CSIR-CSIO, Chandigarh.
- Hindi-Punjabi and Punjabi-English Neural Machine Translation Systems.
- A website for online teaching of Punjabi is yet another effort of the University to reach out to those who want to learn Punjabi through internet while sitting at their respective places. Machine translation tools for automatic translation from Punjabi to Hindi and vice-versa have also been developed, many copies of which have already been sold out in India and abroad.
- The University imparts education and on-line training in learning of Punjabi and Gurmat Sangeet and Guru Granth Sahib Studies.
- To facilitate the academic pursuits of students, there is a majestic AC library with Night Study Hall facility, on-line catalogue service, Internet Access Lab and RFID technology for issue/return of books. It

remains open for 360 days in a year and is a hub of academic activity.

- Entrepreneurial development program of the Management Department and Placement cell in the University are yet other Institutional initiatives started by the university so as to help in career guidance and facilitate the placement of students.

A3. The Context:

(What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice)?

The basic context of the above practice is to empower our youth including women and deprived sections of the society with education, multiple skills and inculcate in them the spirit of self esteem, confidence and make them employable and resource in themselves.

The University's objective of establishing Institutions of higher learning with applied courses in the remote rural areas of Malwa region of Punjab has started yielding results. A large number of rural students from the deprived sections of the society are getting enrolled and benefitted as they are getting professional degrees at their door steps with affordable expenditure.

Main challenge which the University is facing is to sustain the novel efforts with limited infrastructure for which lot of funds are required. However, the University is struggling to keep these recently created Institutions afloat with its own meager resources.

A4. The Practice:

(Describe the practice and its uniqueness in the context of India's higher education. What were the constraints / limitations, if any, faced (in about 400 words)?

- The practice of reaching the unreachable by establishing Institutions in the rural areas to provide affordable higher education at their door steps is unique in itself in the context of higher education in India. The Engineering College at Talwandi Sabo is admitting rural meritorious students on the basis of their social and economic backwardness. The University has started "Golden Heart Scheme" to fund their education by arranging funds through donations from Industry, Individuals, NRIs etc. The prime focus here is to invite community participation for helping the poor sections of the society in empowering their wards with technical education.
- Establishment of Women Studies Centre and its role in making women aware about their rights is yet another recent initiative of the University for the empowerment of the women folk.
- IAS and Allied Services Study Centre of the University organizes regular coaching classes throughout the year to train the youth for competing in civil services, state services, banking services, judiciary,

NET etc. A large number of trainees from this centre have made to All India Services and State Services and are contributing to the growth of the country in their own ways.

- Directorate of Sports, Punjabi University Patiala has produced a large number of National level and International level Sports persons who have won coveted Medals for the country/respective state in various National and International events organized in the past.
- The training imparted in soft skills and handling and usage of computers and sophisticated instruments in the University Computer Centre and Sophisticated Scientific Instrumentation Centre through innovative workshops and short term programmes organized by Human Resource Development Centre has resulted in strengthening the teaching, research and administrative acumen of the trained personnel.

A5 Evidence of Success:

(Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in 200 words).

- The best example of success is the award of **MAKA** trophy 10 times and 6 times in a row. In the session 2017-18 Punjabi University, Patiala was at 3rd position.
- 294 Ph.D. scholars are awarded degrees during the year 2017-18. Many of them have joined teaching profession and are contributing to the generation and dissemination of knowledge as a part of their professional commitment. Thus, they are engaged in Nation building through empowerment.
- The improved infrastructure from substantial external funding in the CAS, DSA, SAP, ASIST and FIST funded Departments has gone a long way in improving the academic functioning of the University.
- University has substantially improved its infrastructure also under RUSA Phase-I grant.
- The regular training programs being conducted by Human Resource Development Centre, Computer Centre, and Sophisticated Instruments Centre are proving handy in the empowerment of teachers and scholars which is being reflected in the quality research with high impact factor being published in the journals of National and International repute. During the year 2017-18, more than 1085 Research papers and over 167 books (112 original + 55 edited) have been published and 01 Patents have been granted and 02 patents applied.
- The medals won by the students of Youth Welfare Department in various Zonal and National level youth festivals is another evidence of success. In all, students won 01 Gold Medals, 03 Silver Medals and 05 Bronze Medals in various Youth competitions organized at the State/University level and 05 Gold Medals, 04 Silver Medals and 00 Bronze Medals in the competitions organized at the National level.

A6 Problems Encountered and Resources Required:

(Please identify the problems encountered and resources required to implement the practice - in about 150 words)

- There is paucity of specialized teaching faculty in some of the Departments, Neighbourhood campuses, Regional Centres and Constituent Colleges. Existing teaching staff has to put in extra hours of teaching and research to meet the requirements of the students and Research scholars. This needs to be addressed with utmost urgency.
- There is also a need to further strengthening of Entrepreneurship & Skill Development Cell at the University level. This will provide opportunity to the students to sharpen their mental faculties and increase their employability.
- The seating capacity of the Reading Hall in the Library needs to be increased so as to cater to the increasing student strength opting for study in the Library Reading Hall.
- The University needs to catch up with times to compete with the Private Universities and Foreign Institutions and this is not possible without resources. For this, the University needs to work to increase its resources including funding from State Government and Central Agencies. Only regular budgetary allocations for sustenance of the established Institutions can help the University to reach the desired results in its endeavour so far as the long term perspective of the earmarked objective of empowering the youth is concerned.

B1 Title of the Second Best Practice : Service to the Society

B2 Objective of Practice:

(What are the objectives/intended outcomes of this "best practice" and what are the underlying principles or concepts of this practice - in about 100 words)?

Various University Departments have made service to the society as the integral part of their curriculum. In line with the preamble of the university "Vidya Vichari Tan Parupkari", the main objective in this regard has been to provide direct relief to the suffering people through treatment (Physiotherapy Department), Counselling (Psychology Department, Women Studies Centre and Social Work Department) and to make the society aware about the ill effects of the social evils in the society through enactment of stage shows, street plays (nukad nataks) and other such stress buster programs like Mangalkamna, Sunad (Theatre & T.V. Department, Youth Welfare Deptt. and Gurmat Sangeet Department). The involvement of students with trained faculty helps the stakeholders to meet the cutting edge

challenges and increase the students' employability and their ability to serve the society with love and compassion. These are basically capacity building programmes to enhance the skill of the students through Institutional efforts to serve the common masses.

B3 The Context:

(What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice)?

The context has been learning through service of mankind by helping them to tackle psychological and social problems through counselling; providing on the spot treatment to the people suffering from age related/ work related problems like low back pain, neck pain, frozen shoulder, knee osteoarthritis, neurological disorders, etc. through physiotherapy and also to generate awareness against drug addiction, AIDS and social evils like dowry and female foeticide through enactment of plays, nukad natak at their door steps.

B4 The Practice:

(Describe the practice and its uniqueness in the context of India's higher education. what were the constraints / limitations, if any, faced (in about 400 words)?

- To meet the objectives, the Department of Physiotherapy is running 3 specialized OPDs within the University (General, Neurological and Sports). Besides these, Geriatric OPD in collaboration with Senior Citizen Welfare Association, Model Town, Patiala is being run for the treatment of suffering elderly people. Clinical Physiotherapist and faculty along with students of Bachelors and Master Classes are posted in these OPDs on rotation basis. More than 100 patients with variety of problems from different parts of Punjab, Himachal Pradesh and Haryana along with students and staff of the University are being treated in these OPDs regularly. The Department is collaborating with Physical, Medicinal and Rehabilitation Department of Government Medical College, Patiala for providing palliative and therapeutic interventions to patients of varied conditions in Orthopaedics, Neurological, Cardio respiratory Intensive Care Units under single roof. The Department is also rendering its physiotherapy service to NGOs (Navjeevani, Sullar; Asha and Helpage) and to patients in private Hospitals of Patiala (Columbia Asia, Amar Hospital, Sadbhavana Hospital, Akal Hospital) with a view to expose the students to private sector which help them to increase their employability.
- Economics Department of the University has worked for highlighting

the plight of marginalized sections of the society, especially rural students and marginal farmers, and given its inputs to the Punjab Government for taking corrective policy steps for achieving inclusive growth as enshrined in the 12th five year plan of India. The research done by the Department in this regard has helped the policy makers of Punjab State in their task of evolving holistic blueprints for future economic development of the state.

- Theatre and T. V. Department of the University has been enacting plays on the issues of drug de-addiction (Mitti Rooden Kare – ਮਿੱਟੀ ਰੂਦਨ ਕਰੇ) and female foeticide (Neun Jad – ਨਿਉਂ ਜੜ੍ਹ) in different places of Punjab, Haryana and Himachal Pradesh on request from local Panchayats, Youth Clubs and Deputy Commissioners of the respective areas.
- The Social Work Department of the University over the years has been dealing with the contemporary issues through social work which include issues related to gender discrimination, environment, HIV/AIDS and issues concerning elderly persons and socially disadvantaged people housed in welfare homes including old age homes, Orphanages, Pingalwara and all such places where such people are treated including nursing homes and hospitals. The PG students of the Department are made to adopt villages as a part of their project to undertake Social Work. Recently a global project "Saksham- GFATM" was completed in the Department under which training programs on HIV and AIDS counselling were regularly conducted since its start in 2009.
- Publication Bureau has set up a "Book Club," of which any interested person can become a member for one year by paying Rs.25/-. After this every such member of the Book Club becomes eligible for 50% discount on any title he/she wishes to purchase. A large number of readers are availing this facility.
- The Women Studies Centre regularly organizes programmes for sensitizing women against discrimination, domestic and work place violence and social evils. The centre has uploaded laws concerning women related issues on its website for creating awareness among them. This centre has completed projects concerning issues related to women working in unorganized sector to understand the reasons for declining sex ratio in Punjab. Women Studies Centre also undertook work in Village Dhreeri Jattan as a case study. To study health related issues of elderly women, the Centre frequently visits Aggarsain Eye Hospital.

For undertaking social work for uplifting the living standard of about 100 households of labourers, Punjabi University Women Studies Centre has adopted Akalgarh village of Dakala Tehsil of Patiala District.

B5 Evidence of Success:

(Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in 200 words).

- The impact of excellent services being rendered by the Physiotherapy Deptt. is evident from the long list of successfully treated patients and regular huge daily rush in the OPDs of the Deptt.. Patients are also being referred to the Department for consultation and treatment from prestigious medical Institutions including PGI Chd., CMC, Ludhiana, ISIC, New Delhi, etc. This is another example of the success story.
- The Theatre and T.V. Department is receiving repeated requests from different parts of North India, especially Punjab, Haryana and Himachal Pradesh to enact more plays for creating awareness against social evils.

B6 Problems encountered and Resources required:

(Please identify the problems encountered and resources required to implement the practice - in about 150 words)

Paucity of sufficient funds is the major issue, which need to be addressed urgently so as to strengthen such socially relevant programmes.

7.4 Contribution to environmental awareness / protection

The followings are the contribution to environmental awareness and protection:

- Energy Conservation & Use of Solar Cells wherever possible
- Water Management
- Management of Hazardous Waste
- Smoke free, clean, healthy, eco-friendly environment
- The paper work has been reduced. All circular/notices are sent via e-mail.
- Poster competition on "Swachh Bharat Swasth Bharat, Beti Bachao Beti Parhao and Entrepreneurship" was organized.
- Many research projects in Ph.D and M.Sc.(Hon's) Biotechnology and M.Sc. (Hon's) Microbial and Food Technology Part-II are focusing major issues related to environment.
- Installation of wooden Bird Nests in the campus for conservation of their habitat.
- e-waste is managed as per the e-waste Management and Handling rules 2011 under the provision of the Environment (Protection) act 1986. The Director, University Computer Centre is acting as the Nodal officer.
- University has well established system for residential and hostel waste collection and disposal.
- Use of Polythene banned in University Campus.

- Every year on 2nd October, the university employees and students clean the department, laboratories and class rooms and took a pledge for Swachh Abhyaan.
- University has started a pilot project on preparation of organic manure from solid and liquid food waste in association with Punjab Eco Friendly Association (PEFA).
- Under UGC XII Plan scheme of Swachh Bharat Swasth Bharat university has:
 - purchased a four wheeler for collecting the garbage from the residential houses.
 - purchased approx. 250 dustbins (two coloured) for University hostels, market and parks for garbage. One dustbin for collection and disposal of solid and liquid food wastes and second for wood, iron, glass and plastic wastes.
 - organized some workshops/seminars on the topic of Swachh Bharat Swasth Bharat
 - planted trees (1875) in University campus and nearby adopted villages namely Akalgarh, Amargarh, Kauli, Sular, Gandakheri, Miranpur, Kheri Gujran, Chupki, Harbanspura, Kotli, etc.
 - enrolled students for Swachh Bharat Internships.
- Plantation
 - University has Green area of 172 acres out of total area of 312 acres.
 - Horticulture Wing of the University in collaboration with Punjabi University Environment Society and NSS department carry out plantation every year on need basis.
 - University every year organise *Chrysanthemum* (GULDOUDI) show in which besides Botany Department, floriculturists from outside the campus also participate.
 - The wooden bird nests have also been installed in the campus for conservation of their habitat.
 - University celebrate every year important days such as Biodiversity day and Environment day.
 - University also organizes Workshops, Conferences and Invited talks to create awareness about environmental issues & conservation.
- Efforts for Carbon Neutrality
 - With a view to reduce the carbon foot- print and focus on the carbon neutrality, regular effort is made by Horticulture, NSS and Botany Department to increase the green cover.
 - Besides above, the stubble generated through the sweeping of campus roads, lawns and kitchen gardens, instead of burning, is being collected regularly by the University sanitation wing for proper disposal.
 - Adding to the efforts of reducing carbon footprint, Botany Department is preparing vermin-compost from the fallen leaves, twigs and other refuse

generated in the Botanical Garden and Plant conservatory, on daily basis.

- E-rickshaws
 - University has restricted the entry of four wheelers (for students and visitors) in the campus. To facilitate them e-rickshaws have been started in the university campus.
- Punjabi University Patiala believes in promoting a society which cares for the environment: *cares to protect, preserve and conserve*. Realizing the importance of sustainable development students are sensitized to ecological issues. Informal discussions are conducted to spread awareness and provide students platform to discuss the various pressing environmental issues and deliberate on appropriate solutions towards the same.
- University organized one day Workshop on the theme “Celebrating 25 Years of Action for Biodiversity” to celebrate “International Day for Biological Diversity - 2018” on 29-05-2018 funded by Punjab Biodiversity Board, Chandigarh.
- University organized one day Conference and an environment awareness rally on the theme “Beat Plastic Pollution” funded by Punjab State Council for Science and Technology, Chandigarh on 07.06.2018.
- Murals on Environment issues/Nature creating awareness about green and clean earth and atmosphere have been painted by the students of the Department of fine arts on the wall of the Department and at some places in the University campus. Dead trees were painted with the messages of keeping the environment pollution free and the ill effects of environmental degradation which causes havoc with weather system and green-house effect.
- Special Art Exhibitions on the topic of Environment have also been organized by the Department of Fine Arts involving students of this Department and other Departments.
- An exhibition on Five Elements was organized at the Museum & Art Gallery, Punjabi University, Patiala by the University, which was instrumental in generating interest in the minds of general public about the protection of environment.
- The University Café, sitting area was aesthetically decorated on the theme of Green Environment. The café owners sponsored the art material to the students for Murals and decoration.
- Teachers of the Department of Zoology and Environmental Sciences delivered lectures for creating awareness in various colleges and universities and also delivered radio talks.
- Teachers/Research Scholars of the Department taught ‘Environmental and road safety awareness’ paper in other Departments of the University.
- Paper on environment psychology for master course
- Project competition on water pollution management.
- Full-fledged curriculum on Advances in Environmental Biotechnology taught to

M.Sc. Hons (BT) Part II Students and Environmental Technology to M.Sc. Hons (MFT) Part II Students.

- Environmental remediation based research is done (Dr. Baljinder Kaur and Dr. Neelam Verma)
- Environment awareness program was conducted on Science Day and Special Issue on Environment Protection was released.

7.5 *Whether environmental audit was conducted?*

Yes. University has Green area of 172 acres out of total area of 312 acres.

A full-fledged Horticulture wing is being maintained by the University with one SDO Horticulture, two Junior Engineers and a large number of gardeners to look after the overall greenery, maintenance of lawns and need based seasonal plantation on the campus. A Campus Welfare Committee and Punjabi University, Environmental Society constituted by the University work in liaison with the Executive Engineer and S.D.O. Horticulture for maintaining the eco-friendly environment on the campus.

7.6 *Any other relevant information the Institution wishes to add. (for example SWOT Analysis)*

- *Quality Education:* Highly qualified and dedicated faculty; Healthy interaction between students and faculty which goes beyond the classrooms; Learning beyond curriculum.
- *Commitment toward students' welfare:* Equal opportunity to all.
- *Counseling* for students at both formal and informal levels, Mentoring system well structured.
- Infrastructure and Technology Access to the students.
- Emphasis on Extension and Community Activities
- Skill development programme with a Practice Base
- Faculty with wide range of specialization & research interests
- Students are encouraged and helped for UGC and other entrance examination.
- Regular review of syllabus and applied aspects.
- Experts from other universities & Institutions are invited for lectures and workshops that give a chance to faculty & students enrich their knowledge.
- Students are also encouraged to participate in National and International conferences.
- Well Equipped Labs

- Smart Class Rooms in every Departments.
- Departmental concert hall equipped with advance equipments.
- Gurmat Sangeet Department in the Punjabi University, Patiala is the only Department in the world to offering Ph.D., with special academic program in sikh sacred Music Gurmat Sangeet at under graduate, post graduate and research level.
- Deep learning based language software such as Hindi-Punjabi/Punjabi-English Machine Translation Systems, Gurmukhi-Shahmukhi/Urdu-Hindi/Sindhi (Arabic)- Sindhi (Devnagri) Transliteration Systems for breaking the language and script barriers.
- “Divya Nayan”, personal reading machine for visually impaired to read and speak out Punjabi text in research collaboration with CSIR-CSIO, Chandigarh.
- In collaboration with Punjab Agro Juices Ltd. Pharmaceutical Department of the PUP carried out research in which they have converted Agrowaste (kinnow peels from farms of Punjab) converted into a nutraceutical through Nanotechnology intervention. The two variants are developed and Joint patent was filed in June 2018 (Indian Patent Application No: 201711019890 dated 06th June 2018). Expression of Interest for Technology Transfer of poultry variant has been published. The 2 variants developed are given below:
 - LimoPan-KooTM for poultry as feed supplement after thorough testing lasted one life-cycle of the birds;
 - LimoPan-LivTM for humans-human trials on at DMC, Ludhiana on patients with liver diseases (alcoholic hepatitis and non-alcoholic fatty liver).

8. Plans of Institution for next year

Punjabi University, Patiala has already adopted Choice Based Credit System (CBCS). This will be reviewed and further improved. The Punjabi University, Patiala will also strengthen the UGC "Swachh Bharat Swasth Bharat Scheme" in the University and its related Neighbourhood Campuses, Constituent Colleges, Centres, etc in the coming session.

- Major revisions in the curriculum of many Department and strengthening of Research Activities.
- Continuous use of teaching aids, other means and use of ICT for better teaching.
- Organization of Seminars/Workshops/Conferences by the Departments.
- Converting more classrooms into smart classrooms under RUSA Phase I.
- Strengthening of infrastructure and lab facilities under RUSA Phase I.

Internal Quality Assurance Cell

- Participation in NIRF India Rankings 2019.
- 02 Seminars/Workshops/Lectures/Interactive Sessions on Quality parameters.
- Academic and Administrative Audit of the teaching Departments/Sections/Branches as per new guidelines of NAAC Bangaluru.
- Institutionalization of Best Practices and Quality parameters.
- Preparation and submission of Annual Quality Assurance Report.
- Distributions of funds, among Departments, received under RUSA Phase - I for Infrastructure Development.
- Preparation and submission of Revised Proposal for Research, Innovation and Quality Improvement under RUSA Phase-II for grant of 50 Crores.

Planning and Monitoring Cell

- University will apply for financial assistance in various schemes from the UGC and other funding agencies.
- University Departments will submit research proposals to different funding agencies like DST/UGC etc.
- The University is planning to construct SC/BC Girls Hostels in University Campus. For this has applied for grants to Ministry of Social Justice and Empowerment, New Delhi under the Babu Jagjiwan Ram Chattrawas Yojna.

Department of Statistics

- After completion of DST-FIST Level 1 Department has applied for Level 2 and in session 2018-19 Department is expecting funds from this scheme.
- Focus will be on original and authentic research work and having utility to society.

Department of Development of Punjabi Language

- The Organization of International Punjabi Language Development conference (annual) and Celebration of Mother Day on 13 May are the annual features of the Department.
- A new lecture series has been initiated by the Department which is dedicated to the memory of Eminent Punjabi Poet Dr. Harbhajan Singh.

- Bhai Kahan Singh Memorial Lectures are now an annual academic activity of the Department.
- The Children Encyclopaedia has to be published in four volumes, whose third part has been prepared and printed. The fourth parts are ready to be printed.

S.Sobha Singh Department of Fine Arts

- Annual Art Exhibition of the students and faculty of Fine Arts.
- Art Workshops on Painting/Graphics/Portrait/Miniature Painting, Drawing by eminent artists on various themes and in varied styles.
- Educational Tour to places of artistic importance.
- Visits to Art Exhibitions, Art Galleries, Museums.
- Lecture-cum-demonstration by renowned artists on various subjects..
- More Environmental Friendly Mural sponsorship.
- Creative and Three-dimensional art sculptures to be installed at appropriate places in the University campus.

Prof. Harbans Singh Department of Encyclopaedia of Sikhism

- Next plan is the completion of Punjabi Adaptation of the Encyclopaedia of Sikhism, Volume-IV.

Centre for Advanced Media Studies

- We plan to start more new professional job oriented courses on the pattern of FTII depending upon availability of funds for infrastructure and faculty.

Department of Zoology and Environmental Sciences:

- The Department plans to upgrade PG labs, Molecular lab and Museum.

Department of Geography

- Upgradation of laboratories.
- Updation of Syllabi.

Department of Sanskrit and Pali

- Establish Sanskrit Punjabi Cell.
- Ayurvediye Brahitraye main urdhwang rog: ek vishleshnatmak adhyayan.
- Certificate course in Vedic Studies.
- Certificate course in Pali Language.
- Certificate course in Indian Philosophy.
- Certificate course in Indian Culture.
- Certificate course in Comparative Literature (Punjabi, Hindi, Sanskrit, English).

Department of Social Work

- Introduction of specialized areas of Social Work Courses/Curriculum.
- Emphasis on Field Action Projects.
- Collaboration with NGOs working in Punjab
- Collaboration with the Field Work Agencies in Field Action Projects

Department of Social Sciences

- The Department has planned to establish more smart class-rooms, recruitment of more teaching and administrative staff.

Sri Guru Tegh Bahadur National Integrated Chair

- National Seminar on 550 birth anniversary of Sri Guru Nanak Dev
- National Seminar on Baba Banda Singh Bahadur
- Two Workshops on - 1. Trends in History; 2. Issues related to National Integration
- Annual Shaheed Nanak Singh memorial Lecture
- Extension Lectures in different Colleges on:
 - Teaching of Sikh Gurus
 - Concept of Humanity
 - Swatch Bharat
 - Spreading Awareness about anti Drugs campaign
 - Spreading Awareness about National Integration
 - Awareness about the Social Evils in society

Department of Punjab Historical Studies

- Organization of National Seminar on the 550th birth anniversary of Guru Nanak Dev ji.
- Conduction of Three days Annual Punjab History Conference.
- Organization of Sita Ram Kohli Memorial Lecture and Dr Ganda Singh Memorial Lecture.

Department of Psychology

- To organise a National Level conference.
- To organise Guest and Expert lectures keeping in mind the subject demand and the emerging research trends.
- To organise workshops for the students to keep them abreast with the various aspects of the subject in an interactive manner.
- To facilitate Student placement.

Department of Education and Community Services

- Emphasis will be on International & National Standards with Respect to Research & Teaching Learning Practices.
- Emphasis on Research Scholars for Development of Research related Skills.

Guru Gobind Singh Department of Religious Studies

- To conduct one workshop.
- To conduct two seminars.
- To conduct Special Lectures, Publications etc.
- To conduct seminar on International Philosophy Day.
- Academic and Religious Tour

Department of Sri Guru Granth Sahib Studies

- A Resource Centre of Sri Guru Granth Sahib is proposed to be set up where theological, etymological and linguistic study of the Holy book will be undertaken to document its role in development of Punjabi language, literature and culture.
- The Department also planned about Conceptual Dictionary/Encyclopaedia of Sri Guru Granth Sahib with the help of Regular faculty of the Department and will take assistance prominent (retired) Scholars of the concerned field.

Department of Mechanical Engineering

- To strengthen interaction with the industries to enhance placements
- To strengthen Departmental research infrastructure

Department of Library and Information Science

- Enhancing collaboration of the Department at International and National levels.
- Further developing ICT infrastructure of the Department.
- Updating the curricula of the courses further in the light of new developments.

Department of Electronics and Communication Engineering

- To set up an Electronics Lab.
- To set up computer Lab.
- To setup an e learning centre.
- To utilize RUSA grant judiciously.
- Motivate the teachers towards research oriented programmes.

Department of Punjabi Literary Studies

- In future, first priority will be given to the ongoing projects for their early completion.
- We are also focusing our attention on starting new projects unde various series such as Anthology of Punjabi Poetry of Twentieth Century, Vishav Parsiddh Sahitkar Ate Sahit Alochak, Pakistani Punjabi Sahit Te Lekhak, Parvasi Punjabi Sahit Te Lekhak, Sanskrit Natak Ate Rang Manch, Adhunik Bharati Natak Te Rang Manch and Sahit Alochana De Naveen Jhuka etc.
- We also planning various Seminars and Workshops concerning the above mentioned projects.

Department of Mathematics

- To invite reputed National and International faculty to deliver lecturers.

Department of Music

- To introduce a system of advanced training of the exceptionally brilliant students.
- To establish an advance audio- visual laboratory along with a proper recording studio.
- To produce professional recordings of various forms of music of Punjab particularly classical, semi-classical, folk, sufi, and Punjabi literary songs.
- To have contact with various organizations and Institutions and provide platform to the talented students.
- To establish an Alumni association of the Department.
- To introduce new courses as per the requirement and job opportunities.

Department of Physics

- Procurement of Latest Experimental Modules for M.Sc. from CAS-II grant
- Procurement of Research equipments from CAS-II grant
- Installation of New latest experiments in M.Sc. laboratories.
- Organization of lectures by Scientist of International repute.

Department of Chemistry

- Research plans: Synthesis and evaluation of biologically and medicinally significant compounds.

Department of Law

- An academic plan showing courses proposed and research plan focusing on current thrust areas:
- Presently, the Department is running LL.B. (3 years), LL.M. (2 years), LL.M. (1 year) and Ph.D. courses. The Department is planning to start certificate/short courses in following areas:
 - Alternative Dispute Resolution Mechanism
 - Media Law
 - Legal Aid and Legal Literacy
 - Women and Law
 - Customary Law
 - Law and Medicine
- The Department is planning to start a programme entitled **Global Initiative for Academic Networks (GIAN)** Courses in Higher Legal Education to accelerate the pace of legal reforms, to elevate India's socio-legal capacity to global excellence.
 - ***Proposal to Recruit Faculty from Industry, Government, Aad Foreign Faculty:***
 - There is need to appoint foreign visiting faculty and faculty from industry, Government Departments etc. to run new courses and GIAN. Department plans to have faculty exchange program, bilateral MoU with the foreign and national universities and other Institutions of legal expertise
 - The Department will make efforts for the admission of foreign students and for student exchange programmes with foreign universities.
 - ***Plan to provide Scholarships:*** The Department is planning for scholarship for two students i.e. one Indian and one foreign student to pursue research studies in collaboration with the Department for six months.
 - ***Plan for Teaching Research Collaboration with Global Universities:*** The Department is planning for MoU with the international Institutions to have joint Research Collaborations on international legal issues e.g. Human Trafficking, Crimes against Women, Child Labour, Illegal Migrants and International Humanitarian Law, Environment Pollution, Issues relating to NRI Brides etc.
 - ***Networking Plan outlining the teaching & Research Collaboration and Partnerships:*** Department is planning to collaborate with school for deaf, dumb and blind students, adult literacy programmes in the neighbouring villages, imparting legal awareness to the masses at grass root level, to associate with the industry to get

acquainted with new legal issues being faced and to formulate new policies regarding it.

- ***Infrastructure Development Plan:*** Three smart classrooms, one Seminar hall, one Computer Lab., extension of library facility requires Rupees 50 Lakhs. Time line for development is one year.
- ***Infrastructure Development Plan:*** New committees will be formed by adding three senior most Professors of the Department, one Session Judge, one well-reputed practicing advocate and one chartered accountant to be appointed by the Vice-Chancellor of the University. Minimum one meeting of the committee will be mandatory in every semester and recommendations of the committee shall be considered in the curriculum development etc.
- ***Plan for involving the alumni in the management of the Institution and leveraging alumni financial resources:*** The Department is planning to up-keep proper record and data base arrangement of the alumni. Three toppers from each session will be given the responsibility to accumulate funds from alumni for the development of Institution. Proper space should be given to them in decision making bodies to keep in touch with the Institution.
- ***Intended target on possible world ranking after 5 years:*** After implementing the above plans and getting assistance, the Department will apply for world ranking.
- ***Research plan and Facilities proposed:*** The Department plans to work on different research projects. Infrastructure and financial help is required for conducting research on various projects relating to national and international socio-legal issues e.g. NRI issues, Environment Pollution, Drug Abuse, Child Abuse, Child Labour, Violence against Women and Weaker Sections of the society etc. The findings will be submitted with the concerned Department of the Government to make appropriate steps for the upliftment of these sections of the society.
- ***Sustainability Plan for the period when additional public funding ceases:*** Students fee, Alumni funds, sale of Law Journals, grants from various agencies can help in the sustainability. Funds generated from the Departmental Website and Mobile Application for the purpose of paid legal assistance can also help in it.

Department of Civil Engineering

- To strengthen interaction with the industries to enhance placements.
- To Start Ph.D Soon in upcoming session.

Punjab School of Law

- Department Plans to increase number of seats of B.A.LL.B. Course
- To start new Law Diploma Courses.
- To establish Dr. B. R. Ambedkar Chair in the Department
- To organise National Seminar.

Department of Journalism and Mass Communication

- Three Day Workshop on Video Production
- Seven Day Workshop on Punjabi Software

Department of Physiotherapy

- RUSA phase-I grant of 5,00,000 is approved for the Department which will be utilized for purchase of equipments & renovation of classes & OPDs
- Department had applied for DST-FIST during the session 2017-18. The presentation for the same was held on 25.09.2018 at Gurgaon.
- To organize Seminar on Recent Trends in Research in Physiotherapy.

Department of History

- Sixth South Asian History Conference will be organized by the Department from 16-18 Nov. 2018

Department of Theatre and TV

- Complete Renovation and Furnishing of Theatre Studio
- National Theatre Festival
- Educational Tour to Andretta (Palampur, H.P.)

Department of Human Genetics

- E-assignments would be taken from students to prevent wastage of paper in the Department in the coming year.

Gurmat Sangeet Chair

- Gurmat Sangeet Chair regularly doing efforts to promote and propagate Gurmat Sangeet by Research and for this Department plans to organise annual major events of the Department which will help the researchers.

Department of Punjabi

- Planning to introduce uploading of Lecture/Study material on internet. A website of the Department with inter-active portal is about to be launched.
- Department will revise its curriculum as per the thrust areas of the Department namely Diaspora Studies, culture and folklore studies and media studies.
- We are also planning to upgrade our course of MA Punjabi to MA Honours in Punjabi.

University School of Applied Management

- To strengthen interaction with the industries to enhance placements.
- To strengthen Departmental research infrastructure.

Department of Hindi

- We have decided to conduct a workshop for our research students.

Gurmat Gyan Online Study Centre

- The Department aims at improving the website and making it more accessible for the use of students. The Department plans to register more students at national and international level.

Department of English

- The Department plans to hold a national-level, two-day seminar on 'Writing for the Community - A Continuum' in January, 2019. For this, the Department is, at present, trying to shore up resources from a couple of publishers and other private agencies.

- The Department plans to organize Sood Memorial Symposium for students and Rao Memorial Lecture in the coming session.
- The Department plans to hike up and strengthen its extension activities and social outreach activities and projects. In this regard, the Department plans to put up a play tentatively titled 'Unborn'/ 'Sand in Her Mouth' involving students of the Department in writing the script, acting and production in February, 2019. The play would be written and directed by the renowned UK-based playwright, Mr. Neil Rathmell. The play would indeed go a long way in enhancing gender sensitization and creating heightened awareness regarding women's rights and other pressing concerns.
- The Department proposes to hold another extension lecture or activity such as Meet-the Author in the coming academic session 2018-19.
- The Department also proposes to upgrade and strengthen the infrastructure in the coming session. For instance, finances permitting, the Department plans to renovate the classrooms, particularly the seats, desks, blackboards and doors etc. and convert two of the existing rooms, at least, into smart classrooms. Besides, the Department also proposes to buy equipment such as PC and Multi-Function printers etc.

Department of Computer Engineering

- Expert lectures, invited talks will be organized.
- Online access to number of journals and books envisaged.
- Raising Departmental library.

Punjabi University College of Engineering and Management, Rampura Phul

- To increase the compatibility of the students with the industry needs, some new courses have been planned for the next year. At the same time, the present infrastructure has been modernized.

PURC Education Department

- To introduce M.Phil. in Education.
- To start publishing an E-journal in Education.

Yadwindra College of Engg., Guru Kashi Campus Punjabi University, Talwandi Saboo

- Shall conduct workshop on Innovations in Science-2017; (IIS-2018)
- Science Fair -2018/2019
- Expert Lecture (S)

University School of Business Studies Talwandi Saboo

- To enhance quality and level of research in the Department by organizing seminar, workshops and research guidance.

Baba Farid Centre for Sufi Studies

- Encyclopaedia of Sufism is under process.
- To organize one International Sufi Conference, Seminars and Lectures.
- To publish a book 'Shahidan-e-wafa'.
- To publish a magazine 'Ganjshakar' by the Department.

Bhai Gurdas Chair

- A Resource Centre of Bhai Gurdass Chair is proposed to be set up where theological, etymological and linguistic study of the Holy book will be undertaken to document its role in development of Punjabi language, literature and culture.
- The Department also planned about Conceptual Dictionary/Encyclopaedia of Sri Guru Granth Sahib with the help of Regular faculty of the Department and will take assistance prominent (retired) Scholars of the concerned field.

Department of Gurmat Sangeet

- Propagation of Saaz kala (An art of shaping traditional string instruments Known as tanti Saaz of Gurmat Sangeet).
- Propagation of Gurmat Sangeet based Shabad keertan.

Department of Economics

- Innovation Trade and Development
- Human Development and knowledge Economy
- Agriculture and Rural Development

School of Management Studies

- Workshop will be conducted on Research Methodology
- Workshop will be conducted on Entrepreneurship
- Seminar on SAP's major thrust area entrepreneurship will be organized if funds available.

Bhai Kahan Singh Nabha Library

- Complete automation of the Library. A special online reference desk is to be established. SMS/E-mail services for the users of the library. Upgradation of the existing hardware and software.

Department of Computer Science

Academic plan

- From the session 2018-19 a centre for Artificial Intelligence and Data Science will be established and a 2 year PG course will be introduced.
- From session 2018-19, M.C.A. Lateral entry 2 year course under UGC Scheme will be introduced to benefit the students with graduation in Computer Applications.
- Planning to develop and introduce online courses as per MOOC guidelines.

Research Plan

- Two major thrust areas of the Department are Digital Image Processing and Natural Language Processing. Strong research groups are actively involved in producing high quality research work in the international journals of high repute. Currently many students are pursuing the Ph.D. work in these areas. Recently a new research group for catering the needs of differently abled has also been formed. In the coming two years.
- Streamlining establishments of new research centre focused on the need of society e.g. one of the recently established centre "Research Centre for Technical Development for differently abled People" is working for the upliftment of Deaf and Dumb persons.
- Enhancing the interaction with the industry and conducting Seminar/workshop/Conferences in collaboration with industries.

Women's Studies Centre

- Planning to introduce M.Phil and Ph.D.
- Research on special themes/areas such as: Media, Environment, Reproductive Health, Child Labour and Other Important Women Issues.
- Organizing seminars/conferences/workshops.
- Innovative training programmes for specific target groups.
- Nurturing partnerships and other relationships with affiliated Colleges, Neighbourhood Campuses and Regional Centres of the University and NGOs both National and International.
- Preparing teaching/learning material in regional language for rural masses.
- Counselling on NRI marriages in collaboration with Women Rights Commission, National Women Commission and NGOs.
- Awareness generation on HIV/AIDS, Cancer, TB, Malaria among Youth and Rural masses.

Department of Biotechnology

- Establishment of Pilot scale food processing and testing laboratory.
- Organizing need oriented executive development program (EDPS).
- Need based Collaborative Research and generation of funds for the Departments.
- Commercialization of Technology
- Extension of infrastructure and strengthening existing lab facilities under RUSA Phase I.

Department of Pharmaceutical Sciences and Drug Research

- The Department will be completing 25 years of establishment in the year 2018, so Department is planning to celebrate this mile stone.
- Series of Guest Lectures.
- One international seminar/workshop is scheduled in the month of November.
- One UGS SAP II DRS seminar is proposed in the month of September.

Signature of the Coordinator,
Internal Quality Assurance Cell,
Punjabi University, Patiala.

Signature of the Chairperson,
Internal Quality Assurance Cell
Punjabi University,
Patiala.