

Annual Quality Assurance Report

(1st July 2016 - 30th June 2017)



Amritsar College of Engineering and Technology
(Autonomous College)

**The Annual Quality Assurance Report (AQAR) of the IQAC
(July 2016 June 2017)**

Part – A

1. Details of the Institution

1.1 Name of the Institution

Amritsar College of Engineering and Technology

1.2 Address Line 1

12 km. Stone, Amritsar-Jalandhar, G.T Road, Amritsar-
143001(Pb) India.

City/Town

Amritsar

State

Punjab

Pin Code

143001

Institution e-mail address

principal@acetedu.in

Contact Nos.

0183-5069536

Name of the Head of the Institution:

Dr.Vijay Kumar Banga

Tel. No. with STD Code:

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R: 0183-50695431

Mobile:

8196952000
9417800072

Name of the IQAC Co-ordinator: Er.P.S.Sidhu

Mobile: 9915599663

IQAC e-mail address: iqac@acetedu.in

1.3 NAAC Track ID (For ex. MHCOGN 18879) PBCOGN26115

1.4 NAAC Executive Committee No. & Date: EC/59/A&A/11
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

1.5 Website address: www.acetamritsar.ac.in

Web-link of the AQAR: <https://acetamritsar.ac.in/downloads/AQAR%2016-17%20revised.pdf>

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.91	2012	2017
2	2 nd Cycle	A	3.05	2016	2021

1.7 Date of Establishment of IQAC : DD/MM/YYYY 08/06/2012

1.8 AQAR for the year (for example 2010-11) 2016-2017

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

I.K.G Punjab Technical University

1.12 Special status conferred by Central/ State Government-- UGC

Autonomy by State/Central Govt. / University Central Govt

University with Potential for Excellence	--	UGC-CPE	--
DST Star Scheme	-----	UGC-CE	-----
UGC-Special Assistance Programme	-----	DST-FIST	YES*
UGC-Innovative PG programmes	-----	Any other (<i>Specify</i>)	-----
UGC-COP Programmes	-----		

*DST FIST Amount=80Lacs

2. IQAC Composition and Activities

2.1 No. of Teachers	7
2.2 No. of Administrative/Technical staff	5
2.3 No. of students	2
2.4 No. of Management representatives	1
2.5 No. of Alumni	2
2.6 No. of any other stakeholder and community representatives	1
2.7 No. of Employers/ Industrialists	2
2.8 No. of other External Experts	0
2.9 Total No. of members	22
2.10 No. of IQAC meetings held	4
2.11 Chairperson	1
2.12 Coordinator	1

2.11 No. of meetings with various stakeholders: Total No. Faculty

Non-Teaching Staff Alumni Others Students

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

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

(ii) Themes

- Nanotechnology: Synthesis, Characterization, Fabrication and Applications' Seven Days workshop.
- One day workshop to strengthen Value Education Program
- Workshop on Internet of Things, Raspberry Pi, Google Cloud and Quadcopter.
- Seminar on Bentley Software's
- One day workshop on "IOT"
- Android
- Cyber security and ethical hacking
- Network Fundamentals and Troubleshooting
- Digital Signal Processing
- How to prepare for IES and Gate Exam
- Carrier Options after B.Tech.
- Seminar on Power System
- Seminar on Electric Power Generator
- Workshop on Industrial Automation
- Seminar on "Impact of JAVA In Industry "
- Seminar on "Training Opportunities In HUAWEI Technologies"
- Seminar on "Big Data and Cloud Computing"
- Seminar on "Latest Trends & Technologies in World of Computing" Seminar on "Network Fundamentals & Troubleshooting" Workshop on "Cyber Security and Ethical Hacking"
- Workshop on "Internet of Things"
- Workshop on "Android" Workshop on "Cyber Security and Ethical Hacking"
- Workshop on "Big Data"
- Workshop on "Cyber Security Latest Trends"

2.14 Significant Activities and contributions made by IQAC

- Role of Anthropology & Forensic Science in National Development
- 2 day seminar on MOOC's

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 *

Plan of Action	Achievements
<ul style="list-style-type: none"> • To enhance faculty interaction with industries by organising integrated workshops • To enhance teaching methodology through at least 30% presentations based teaching and also include video based learning. • Library to be fully computerised • Faculty to be trained for latest technologies from industry people like cyber security, big data, wireless system etc • To organise environment awareness rallies more frequently. • To organise blood donation camps. • To spread awareness about yoga among the students and faculty 	<ul style="list-style-type: none"> • Successfully attained NAAC in cycle 2 with A grade • Partial computerisation achieved in library • Faculty training carried out successfully. • Organised interaction between various industrial representatives of Punjab as well as industrial associations with heads and management of institute. • Organised environment awareness rally(Amritsar Half Marathon)(14-15/04/2017) • Organised blood donation camp during academic year 2016-17 • Organised Yoga camp in college campus on International yoga day (21 June 2017) • Celebrated World Environment day by tree plantation in the campus

2.16 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

Management found AQAR report satisfactory

Part – B

Criterion – I

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	-	-	-	-
PG	4	-	4	-
UG	11	-	11	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	15	-	15	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	15
Trimester	
Annual	

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

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

Yes (2nd year for 2016 batch onwards) in all B.Tech courses.
 To take into consideration practical oriented teaching
 To omit obsolete subjects from each course

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

NIL

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
233	182	40	11	--

2.2 No. of permanent faculty with Ph.D.

10

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

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
40	03	01	02	--	01	--	--	41	06

2.4 No. of Guest and Visiting faculty and Temporary faculty

05

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	16	04	01
Presented papers	23	-	-
Resource Persons	-	-	01

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Peer teaching to the slow learners by the advanced learners, the disadvantaged and the physically challenged students are encouraged to broaden their knowledge and humanitarian outlook towards the fellow students.
- Promotion of faculty empowerment activities and professional development programmes was done at regular intervals all through the session
- Skill development programmes for enhancing communication and employability skills.
- Frequently guest lectures are organised.
- FDP are organised to enhance the technical skills of the faculty, so that they can further impart this knowledge to students
- Teachers are encouraged to develop their own MOOC's
- Frequent industrial visits are organised.
- Industrial interactions are being organised.
- E-Lectures, NPTEL Lectures, QEEE Lectures
- Challenging assignments and projects are given to them to hone up their intellectual calibre, sharpen their inquisitiveness, induce them to experience the thrill of learning and enjoy the pleasure of achievement.

2.7 Total No. of actual teaching days during this academic year 211

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

- Separate printing cell has been established for printing question papers.
- Section wise marking of the answer sheets has been inculcated.
- Assignment based test
- Practical lab based examination

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

BOS	Faculty	CDW
166	119	81

2.10 Average percentage of attendance of students 76%

2.11 Course/Programme wise
distribution of pass percentage :

Title of the programme	Total no of students appeared	Division				Pass %
		Distinction (more than 75%)	I% (60- 74.9%)	II% (40- 59.9)	III% (NA)	
B.Tech CE	370	17.55	39.09	13.42	NA	70.06
B.Tech CSE	514	26.26	38.98	11.53	N/A	76.77
B.Tech ECE	208	24.76	32.94	14.60	NA	69.87
B.Tech EE	104	22.11	31.73	6.73	NA	60.57
B.Tech ME	444	32.5	62.5	0.5	NA	63
B.Tech IT	111	28.82	52.25	15.31		96.38
BBA	73	35.85	33.56	21.23	NA	90.64
BCA	94	12.8	37.2	14.9	NA	65.5
B.com	39	30.76	26.92	11.5	NA	69.18
B.Sc Agri	278	25.17	23.02	10.43	NA	58.6
B.Sc HMCT	167	25	19	21	N/A	65
MBA	99	38.38	32.5	21.21	NA	91
MCA	157	43.9	42	5	NA	98.1
M.Tech CSE	23	17.39	28.26	10.86	N/A	56.51
M.Tech ECE	17	40.5	37.86	-	NA	78.36
Applied Science	378	16.66	30.42	16.93	NA	64.01

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

- Before going to practice teaching demonstration lessons are given to the students by the teachers and through simulated teaching they practice their lessons.
- Individual projects are assigned to the students with relevance to the course content like case study, action research and book reviews.
- College has Wi-Fi campus and relevant information about websites related to research and course content is provided to the students.
- Through Mentor-Mentee system in which teachers identify the abilities of the students and encourages them to participate in different activities. They also diagnose the problems of the students and try to solve them.
- Students are encouraged to use well stocked library for extensive learning.
- Direct supervision of class work with special emphasis on reflective learning.
- Students are free to interact with their mentors during the tutorial classes and provide first hand feedback on a variety of issues ranging from effectiveness of teaching-learning process, teacher behaviour, infrastructure, evaluation and discipline.
- Suggestion boxes have also been put up to invite feedback and suggestions.
- Interaction with teaching practice school heads and faculty members.
- Regular Academic Audits are conducted to monitor the teaching process.

The IQAC adopts continuous and comprehensive system of evaluation. It is done through internal as well as external assessment, on regular basis.

Internal Assessment includes:

Attendance of each student is recorded

- Participation in various curricular and co-curricular activities etc.
- Assignments
- Inter tutorial Seminars and workshops
- Mid semester test are conducted time to time.
- Project work both group and individual
- Discussion lessons of the students

External Assessment includes practical's and theory exams as conducted by the college itself.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	08
UGC – Faculty Improvement Programme	-
HRD programmes	01
Orientation programmes	01
Faculty exchange programme	-
Staff training conducted by the university	09
Staff training conducted by other institutions	01
Summer / Winter schools, Workshops, etc.	12
Others	09

2.14 Details of Administrative and 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	51	--	03	01
Technical Staff	45	--	09	--

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

IQAC has taken in following initiatives
<ul style="list-style-type: none">• motivates faculty members and students to undertake Research.• facilitate the faculty and students to formulate Research Proposals for onward submission to Funding Agencies i.e. AICTE, UGC, DST etc.
➤ Major Decisions during the last year are:
<ul style="list-style-type: none">• Non Ph. D. Faculty members have to complete Ph.D. in five Years.• Each faculty member has to publish at least two research papers/articles in a year.• Granting of Study Leave.• Use of Internet and computer Labs.• Library facility beyond college hours.• Establishment of Research Labs.• Funding for Research Publications.• Granting Special Leave for attending conferences/seminars and workshops.• Payment/Funding of registration fee for attending conferences /seminar/workshops.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	--	--	--
Outlay in Rs. Lakhs	--	--	--	--

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	--	--	--
Outlay in Rs. Lakhs	--	--	--	--

3.4 Details on research publications

	International	National	Others
Peer Review Journals	48	02	-
Non-Peer Review Journals	10	01	-
e-Journals	05	02	-
Conference proceedings	39	07	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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	3	FIST 2016-DST, New Delhi	80,00,000	in progress
Minor Projects	1	ACET	30,000	in progress
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)				-
Total	-	-	-	-

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	-	-	-	-
Sponsoring agencies	-	-	-	-	-

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency	<input type="text" value="--"/>	From Management of College	<input type="text" value="23.28"/>
Total	<input type="text" value="23.28"/>		

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

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

Total	International	National	State	University	Dist	College
--	--	--	--	--	--	--

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

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level	<input type="text" value="75"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.22 No. of students participated in NCC events:

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.23 No. of Awards won in NSS:

University level	<input type="text" value="--"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="-"/>	College forum	<input type="text" value="09"/>	
NCC	<input type="text" value="-"/>	NSS	<input type="text" value="02"/>	Any other <input type="text" value="-"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- **NSS Event: Celebrated Independence Day, Blood Donation Camp**
- **Lecture on First Aid, Celebrated Republic Day.**

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	10.52 acres	-	ACET	10.52 acres
Class rooms	46	-	ACET	46
Laboratories	46	01	ACET	47
Seminar Halls	1	-	-	1
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	30	4	ACET	-
Value of the equipment purchased during the year (Rs. in Lakhs)	728.31 (as on 31/03/2017)	69.06	ACET	-
Others	-	-	-	-

4.2 Computerization of administration and library

administration is fully computerised

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	63599	23454251	267	120150	63866	23574401
Reference Books	5690	2133750	33	16500	5723	2150250
e-Books	-	-	-		-	-
Journals	-				-	-
e-Journals	169-	439322			-	-
Digital Database	-				-	-
CD & Video	-				-	-
Magazines	36	4000(PM)			-	-
Newspapers	17	1800(PM)				

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	874	669	-	130	-	41	22	12
Added	-	-	-	-	-	-	-	-
Total	874	669	-	130	-	41	22	12

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

NPTEL lectures and teachers register for online certifications like course era, edx and NPTEL, QEEE (In association with IIT Chennai), Future Learn.FDP

4.6 Amount spent on maintenance in lakhs :

i) ICT	39.17
ii) Campus Infrastructure and facilities	96.08
iii) Equipments	1.00
iv) Others	217.21
Total :	353.46

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Placement cell.
- Counselling cell.
- Awareness programmes about higher education.

5.2 Efforts made by the institution for tracking the progression

- Half yearly academic audit
- Faculty Feedback
- Mentorship meetings

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2792	296	-	-

(b) No. of students outside the state

318

(c) No. of international students

112

Last Year(15-16)						This Year(16-17)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2394	243	--	471	--	3108	2673	258		157	--	3088

Men	No	%	Women	No	%
	2219	74.2		769	25.8

Dropout %: **For UG=0.02 For PG= 0.01**

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

- Special classes are organised to tackle to students problems who are willing to go in for comprehensive exam like GATE at departmental level.
- Special workshops for preparation of competitive exams are arranged time to time.
- Classes for aptitude and communication skills are organised by the institution.

No. of students beneficiaries

All

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
 IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

- Guidance and Counselling done regularly by the Principal and MD .
- Guidance and Counselling done by faculty during tutorials under mentorship programs
- Preparation and maintenance of eligible students database for companies.
- Training for CV improvement.
- Organize seminars for guidance on higher education like GATE, CAT, GRE.
- Centralised training and placement cell with full time experienced placement officer and supporting staff

No. of students benefitted

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
25	545	205	15

5.8 Details of gender sensitization programmes

- Women's day celebrated
- Awareness about gender sensitization is done in Mentor groups.
- Special initiatives being taken by Jagriti Society(NGO) to spread awareness about gender sensitization.

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	-	-
Financial support from government	255	19091824
Financial support from other sources	-	-
Number of students who received International/ National recognitions	1 student EDCIL	BTECH FEES + HOSTEL FEES + 70000 POCKET MONEY PER YEAR
	1 STUDENT AICTE	COLLEGE FEES
	1 STUDENT WORLD BANK	COLLEGE FEES +HOSTEL FEES

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

- Provisions of E class room facility as per student demand.
- Air conditioning of labs/class rooms
- Cleanliness in washrooms.
- Quality assurance of college canteen and hostel mess, through regular inspections.
- Construction of gym.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

To produce engineers with highest calibre by imparting Technical Education through Innovative and Analytical approach with an objective to create valuable resources for industry and Society

MISSION

1. To provide Latest infrastructure conducive to innovative learning.
2. To Establish Centres of Excellence to enhance Academia Industry Partnership.
3. Focus on specialized Practical oriented teaching to develop analytical ability among students.
4. To empower students with the required skills to encourage Entrepreneurship and enhance Employability

6.2 Does the Institution has a management Information System

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Curriculum is done keeping in mind the institutional goals and objectives.
- Curriculum was developed by a defined process having relevance to the national and global development needs
- Regular curriculum modification, content beyond syllabus strategy and introduction of new courses to cater the need of the society are a priority with the institution.

6.3.2 Teaching and Learning

- Academic calendar is prepared in the beginning of academic session.
- The entire plan like time table, teaching plans are made thereafter
- Teachers prepare their lectures plans date wise and make the IP plans accordingly
- It is mandatory for every teacher to prepare course file before the start of course.
- The course file includes nominal list of students, syllabus, course blow-up, tutorial sheet, previous year papers, subject notes, assignments and content beyond the syllabus
- The course file are checked by HODs from time to time.
- Lab manuals are also prepared by the teachers.

6.3.3 Examination and Evaluation

Cumulative comprehensive approach is adopted in examination and evaluation is made totally transparent.

6.3.4 Research and Development

- Encouraging faculty for book writing.
- Paper publication by faculty in reputed journal only
- Patents and invention by Faculty
- Membership in Regional and national committees by the faculty
- Faculty participation as resource person in continuing education
- Linking of research incentive with Awards/Prizes/ Honours
- Thesis evaluation by industry experts
- Joint Research Programme with industry

6.3.5 Library, ICT and physical infrastructure / instrumentation

The best available with latest ICT and physical infrastructure is provided by the institute for the students.

6.3.6 Human Resource Management

- There is emphasis on team building and involving all in taking decisions and implementing them.
- A course on Human Values and Professional Ethics and Environment Science has been made mandatory for all the students during first year of their graduation so that they can learn the importance of human resource management .

6.3.7 Faculty and Staff recruitment

- Faculty selection process is as prescribed by PTU/AICTE
- The qualification and promotion rules etc are also as per PTU/AICTE norms
- The advertisements for teaching posts appear in regional and national dailies as well as on college website and employment oriented websites
- The requisite numbers of qualified and competent teachers are appointed in the beginning of every session.
- Some faculty is appointed on contract basis for short duration in case of emergencies.

6.3.8 Industry Interaction / Collaboration

- Setting up a chair for industrial R & D.
- Periodic exchange/ visit of faculty and industry professional.
- Appointment of adjacent faculty from industry.
- Organizing joint seminar/ workshop/ special lectures.
- Participation in evaluation of thesis and research topics.
- participation of industry in development of curricula and new topic of learning's .

6.3.9 Admission of Students

- The college is running technical and professional courses.
- Admission process is given wide publicity through news papers, hoardings, electronic media and on college website.
- The admission is done on the basis of common entrance test on the basis of JEE through centralized counselling by IKG-PTU.
- The management quota seats are also filled on the basis of common entrance test through JEE and also on merit basis in the qualifying examinations i.e. +2 marks.

6.4 Welfare schemes for

Teaching	FDPs and workshops, conferences and seminars
Non teaching	Workshops, seminars
Students	Guest lectures, conferences and seminars

6.5 Total corpus fund generated

NIL

6.6 Whether annual financial audit has been done

Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	--	Yes	ACET
Administrative	No	--	Yes	ACET

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

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Periodic meetings are conducted by the university to look into grievances/suggestions

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

NA

6.11 Activities and support from the Alumni Association

The Alumni association provides the information about the availability of jobs in various organisations where they are working and the latest technology demand in market.

6.12 Activities and support from the Parent – Teacher Association

Feedback from parents is need of the society, accordingly we can monitor the students effectively.

6.13 Development programmes for support staff

Technical programmes /workshops are conducted frequently for the enhancing the technical knowledge of Lab instructors.

6.14 Initiatives taken by the institution to make the campus eco-friendly

Energy conservation

- Paper less communications are followed by the departments.
- Energy efficient 5 star rating equipments are used in the campus.
- Flat LCD screens are installed with computers that consume less energy.
- Air-conditioners in staff rooms are switched off when faculty moves to lecture rooms

Use of renewable energy

- Solar water heaters are installed in hostels.
- The College is in the process of installing solar plant of 100KW.
- Rain water Harvesting System is installed in the institute

Recycling of treated sewerage water

Treated water is stored into tanks and is being used for watering of plants and lawns.

Efforts for Carbon neutrality

- Flower pots in building areas.
- Minimum water wastage.
- Use of paper is minimized.
- For carbon neutrality, the focus of the management on greenery with lawns and trees.

Plantation

Sufficient number of trees have been planted in the campus.

Hazardous waste management

Hazardous chemicals used in labs are diluted and safely taken out of the reach of students and has no hazardous impact on the campus environment.

e-waste management

Unused old computers, printers, other electrical and electronics appliances etc are being stored in environment friendly manner in accordance with the provision of hazardous waste (management and handling rules.)

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.

1. Women Grievance cell,
2. Feedback mechanism
3. Use of ICT in teaching
4. Remedial coaching to slow learner
5. Organizing seminar or talk on emerging topic
6. Preparing newsletter for the department activities

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

- Successfully attained NAAC in cycle 2 with A grade
- Partial computerisation achieved in library
- Faculty training carried out successfully.
- Organised interaction between various industrial representatives of Punjab as well as industrial associations with heads and management of institute.
- Organised environment awareness rally(Amritsar Half Marathon)(14-15/04/2017)
- Organised blood donation camp during academic year 2016-17
- Organised Yoga camp in college campus on International yoga day (21 June 2017)
- Celebrated World Environment day by tree plantation in the campus

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- Academic Audit & Research Audit.
- Promotion of Research.
- Participative management.
- Financial Assistance to the Needy Students
- Intercollegiate events

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

1. Plantation
2. Awareness programme on environmental pollution
3. NSS
4. Swach Bharat Abhiyan .
5. Tree plantation .

7.5 Whether environmental audit was conducted? Yes No

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

SWOT Analysis

Strength

- Optimum infrastructure and space for development
- Qualified and experience permanent faculty
- Liberal and cooperative management
- Co-ordial relationship among the stakeholders
- Rich past and good reputation
- Caters to the need of economically weaker section (students)
- Hostel facilities for girls students
- Central library with good number of books and internet facilities
- Good student enrolment
- Good pass percentage in university results
- National as well as international conferences are being organized by the department
- The department focuses on organizing more and more of inter college activities
- Various aptitude tests are being conducted in within the department to prepare the students for competitive exams.
- Students have been engaged in various consultancy and research service

Weakness

- Efforts have been made to sign MOU with various industries.
- Participation of faculties in research is not upto the mark
- NSS need strengthening
- There is more need to involve all the students in research work

Opportunities

- Developing scientific temper and research culture
- Business summit will be organized by the department soon
- Strengthening interdisciplinary study to enhance creativity
- Offering need based and short term career orientation programme
- More FDP's are going to be conducted
- We have filed an application for grants from UGC and DST
- Provide the professional system to start up entrepreneurship

Threats

- Migration of students to other part of the state as well as country
- Absence of career based vocational courses

8. Plans of institution for next year

- To start new post graduation programme.
- To increase training and placement opportunities for the student.
- To work on Minor research project entitled “ Performance of Cooperative societies in border area of Punjab.
- To promote collaborative research through MoUs.
- To augment infrastructural facilities.
- To increase programme options available to students in terms of Specialization
- To enrich the practical knowledge of the students by increasing the number of presentations, case studies, demonstration through software's.
- To arrange a guest lecture of renowned personalities from industrial cum recreational trips to make them understand practical applicability of the concepts.
- To advise the faculties to increase the participation in research-Oriented activities and organize students seminar, quiz, contest,
- Educational tours, excursions etc.