

**DAV INSTITUTE OF ENGINEERING & TECHNOLOGY**  
Kabir Nagar, Jalandhar



**ANNUAL QUALITY ASSURANCE REPORT (AQAR)**  
**2017-18**

Submitted to



**राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्**

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

*An Autonomous Institution of the University Grants Commission*  
P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

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## The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC.

### Part – A

#### I. Details of the Institution

1.1 Name of the Institution

DAV Institute of Engineering & Technology

1.2 Address Line 1

Kabir Nagar

City/Town

Jalandhar

State

Punjab

Pin Code

144008

Institution e-mail address

[principal@davietjal.org](mailto:principal@davietjal.org)  
[daviet@davietjal.org](mailto:daviet@davietjal.org)

Contact Nos.

0181-2207650

Name of the Head of the Institution:

Dr. Manoj Kumar

Tel. No. with STD Code:

0181-2207650

Mobile:

+91-9478101102

Name of the IQAC Co-ordinator:

Dr, Anil Soni

Mobile:

+91-8146100679

IQAC e-mail address:

iqac@davietjal.org

1.3 NAAC Track ID (For ex. MHC0GN 18879)

PBC0GN 27170

1.4 NAAC Executive Committee No. & Date:

(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)

EC(SC)/28/A&A/136.1 dated 30.10.2017

1.5 Website address:

www.davietjal.org

Web-link of the AQAR:

<http://www.davietjal.org/wp-content/uploads/2018/12/DAVIET-AQAR-17-18.pdf>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup>	A	3.07	2017	October 29, 2022

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

18/09/2015

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

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR \_\_\_\_\_ N.A \_\_\_\_\_ (DD/MM/YYYY)4
- ii. AQAR \_\_\_\_\_ (DD/MM/YYYY)
- iii. AQAR \_\_\_\_\_ (DD/MM/YYYY)
- iv. AQAR \_\_\_\_\_ (DD/MM/YYYY)

1.10 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

(eg. AICTE, BCI, MCI, PCI, NCI)

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

#### 1.11 Type of Faculty/Programme

Arts       Science       Commerce       Law       PEI (Phys Edu)

TEI (Edu)       Engineering       Health Science       Management

Others (Specify)     

#### 1.12 Name of the Affiliating University (*for the Colleges*)

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

Autonomy by State/Central Govt. / University     

University with Potential for Excellence            UGC-CPE     

DST Star Scheme            UGC-CE     

UGC-Special Assistance Programme            DST-FIST

UGC-Innovative PG programmes

No

Any other (*Specify*)

No

UGC-COP Programmes

No

## **2. IQAC Composition and Activities**

2.1 No. of Teachers

7

2.2 No. of Administrative/Technical staff

1

2.3 No. of students

1

2.4 No. of Management representatives

1

2.5 No. of Alumni

1

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

1

2.9 Total No. of members

15

2.10 No. of IQAC meetings held

1

2.11 No. of meetings with various stakeholders:

No.

Faculty

Non-Teaching Staff

Students

Alumni

Others

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

Two week FDP on "Quality Teaching Strategies for outcome based education"  
from 1<sup>st</sup> to 12<sup>th</sup> January, 2018

2.14 Significant Activities and contributions made by IQAC

- 5-Day Workshop on Internet of Things (9 October 13 October 2017)
- 5-Day Workshop on Big Data Analytics using HADOOP
- Academic audit both at departmental and institutional level.
- Two week FDP on “Quality Teaching Strategies for outcome based education” from 1st to 12th January, 2018.
- MHRD sponsored 2 days national seminar on Scientific & Technical Terminology in Science and Technology was organized on 13<sup>th</sup> and 14<sup>th</sup> September, 2017 with an aim to promote the use of Scientific and Technical Terminology in Hindi and other regional languages.
- The institute in collaboration with NITTR Chandigarh organized one week online faculty development programme on ‘Modelling & Simulation using MATLAB’ on January 22-26, 2018.

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
To introduce and upgrade modern methods of teaching and learning	<ul style="list-style-type: none"> <li>• ICT enabled classrooms</li> <li>• Expert lectures and invited talks are arranged by top academicians as well industry experts from time to time.</li> <li>• Use of QEEE, NPTEL, MOOCs and Swayam</li> <li>• Every department organises industry week whereby students interact with the people from the industry, visit various companies as well as workshops are organized to prepare them for various competitive examinations.</li> <li>• Adjunct faculty from industry has also been appointed to share industry experiences with the students.</li> <li>• Faculty mentors are appointed for major projects of the students</li> <li>• Career counselling of the students</li> </ul>

\* Attach the Academic Calendar of the year as Annexure-A.

2.16 Whether the AQAR was placed in statutory body      Yes       No

Management       Syndicate       Any other body

Provide the details of the action taken

## Part – B

### Criterion – I

#### I. 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	5	-	5	
UG	6	2	8	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
<b>Total</b>	11	2	13	
Interdisciplinary				
Innovative				

- 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option (√) / Open options  
 (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	13
Trimester	Nil
Annual	Nil

- 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.

New Syllabus of B.Tech. / MBA and BBA

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

No



## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
114	101	11	2	-

2.2 No. of permanent faculty with Ph.D.

35

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
101	-	11	-	2	-	-	-	114	

2.4 No. of Guest and Visiting/Adj. faculty and Temporary faculty

24

21

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	8	6	2
Presented papers	8	3	1
Resource Persons	3	4	0

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

- Action Learning and Introduction to Bloom's Taxonomy
- Appointment of adjunct faculty from industry
- Employability Skill Training (EST) for the students.
- NPTEL videos and MOOCs
- Setting of question papers as per Bloom's Taxonomy

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

102

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

Outcome Based assessment and evaluation

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

8

2.10 Average percentage of attendance of students

85

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Tech. (CSE)	69	94.2	4.34	0	0	98.55
B.Tech. (CE)	69	46.37	42.02	1.44	0	89.85
B.Tech. (IT)	55	58.18	30.91	0	0	89.09
B.Tech. (ME)	70	31.43	62.86	0	0	94.29
B.Tech. (EE)	71	25.351	53.52	0	0	78.87
B.Tech. (ECE)	111	40.54	45.94	0	0	86.48
MBA	57	52.63	43.86	1.75	0	98.24
MCA	20	80	20	0	0	100

The figures depicted above are for the academic year 2017-18 (Pass-out in May 2018) only.

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

- Academic Audit on Regular basis is conducted
- Review of progress of the students through mid-semester tests
- Results analysis

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	0
UGC – Faculty Improvement Programme	9
HRD programmes	8
Orientation programmes	1
Faculty exchange programme	0
Staff training conducted by the university	7
Staff training conducted by other institutions	27
Summer / Winter schools, Workshops, etc.	16
Others	18

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	41			2
Technical Staff	36			3

## Criterion – III

### 3. Research, Consultancy and Extension

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

- Research committee in place headed by Dean (RIC)
- Encouraging the faculty to File Patents and IPRs
- Students are given Capstone Projects which conform to the highest level of Bloom's Taxonomy.
- Students are encouraged to present research papers in national and international conferences and journals.
- The technical fest is an annual feature of the Institute where students get an opportunity to showcase their research talent.
- Students are free to use the Institute infrastructure for their research work.
- SEED grant amounting to Rs. 10.00 lakhs every year and limited to Rs. 1.5 lakh for minor projects to the faculty of the Basic Science/ Engineering & Technology, Management & Environmental Sciences department and SEED Grant up to Rs. 0.75 lakh for Humanities department.
- The Institute has financial provisions to support student research projects. The Institute can finance (maximum) up to Rs. 25000/- for each Industry Defined/ Research Project. This is in addition to affiliating university Scheme of funding Industrial defined project.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL			
Outlay in Rs. Lakhs				

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL			
Outlay in Rs. Lakhs				

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	86	11	0
Non-Peer Review Journals	4	0	0
e-Journals	3	0	0
Conference proceedings	5	1	0

#### 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				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
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  From Management of University/College   
 Total

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
4		3	1			

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  State level   
 National level  International level

3.22 No. of students participated in NCC events:

University level  State level   
 National level  International level

3.23 No. of Awards won in NSS:

University level  State level   
National level  International level

3.24 No. of Awards won in NCC:

University level  State level   
National level  International level

3.25 No. of Extension activities organized

University forum  College forum   
NCC  NSS  Any other

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

- National Voters Day
- Registration drive cum awareness seminar for Bone Marrow Cancer
- Seminar on “Drug De-addiction”
- Tree Plantation Drive
- Blood Donation and Eye Check-up Camp
- Cancer Care Camp

## 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	11.6 acres	0	Internal	11.6
Class rooms	50	0	Internal	50
Laboratories	67	0	Internal	67
Seminar Halls	8	0	Internal	8
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.			Internal	
Value of the equipment purchased during the year (Rs. in Lakhs)		23.43	Internal	23.43
Others			Internal	

#### 4.2 Computerization of administration and library

- All the computers in the office have internet facility both wired and Wi-Fi.
- Fully Automated Library
- ERP System in place
- Wi-Fi Campus

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (Rs.)	No.	Value (Rs.)	No.	Value (Rs.)
Text Books	28604	1.2 crore	671	2,01,300/-	29275	1.22 crore
Reference Books	2505	7,51,500/-	18	6,300/-	2523	7,51,800/-
e-Books	4781	84,000/-	13	0	4794	58,400/-
Journals	82	1,36,800/-	6	9,000/-	88	1,45,800/-
e-Journals	2123	1,52,430/-	4	0	2127	1,52,430/-
Digital Database	2	1,10,000/-	0	0	2	1,10,000/-
CD & Video	146	0	54	0	1200	0
Others (specify)	-					

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	626	21	110	Everywhere in the campus	21	Yes	Yes	Hostels
Added		1	190	Everywhere in the campus	1			
Total		22	300	Everywhere in the campus	22			

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

Internet connectivity increased to 300 mbps  
 Students use internet for their study and project work  
 ERP system in the institution for e-Governance

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT	16.86
ii) Campus Infrastructure and facilities	50.82
iii) Equipments	7.37
iv) Others	9.93
<b>Total</b>	<b>84.98</b>



## Criterion – V

### 5. Student Support and Progression

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

- Hygienic cafeteria is available for both students and faculty
- Bank branch in the campus
- Tuck-shop
- AC and Non-AC accommodation in the hostels
- Free of cost health insurance for the students
- Centre for Incubation and Entrepreneurship
- 24 hours power and water supply
- Free-ship to the needy students
- Health Centre in the campus

#### 5.2 Efforts made by the institution for tracking the progression

- In all the departments, advisory classes are held periodically to keep close touch in between students and advisors, in which students can share their views, problems with their advisor. Advisors can take steps to redress their grievance. Weak students are identified in advisory and special classes are arranged to help them academically.
- Regular checking of attendance and academic excellence.
- The institution has ERP Software for e-governance.
- Suggestions and feedback are the index to understand the progression of students.

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1542	184		

#### (b) No. of students outside the state

281

#### (c) No. of international students

0

Men	No	%	Women	No	%
	1273			453	

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
338	107	2	73	0	520	360	87	7	56	0	510

Demand ratio 100%

Dropout % 1

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

Special classes/Expert lectures are arranged from time to time in which experts on different topics are invited from renowned institutions, organisations, companies to enhance the communication skill, general knowledge, how to crack competitive examinations for students, enabling them to meet the requirement of their curricula/competitive examinations.

No. of students beneficiaries

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

Students counselling and career guidance of each and every student is done.

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
107	327	249	06

5.8 Details of gender sensitization programmes

**International women’s Day** was celebrated with great enthusiasm by the **Gender Sensitization Cell** of the Institution. It was an initiative by the Cell to enlighten and empower the students in general and girls in particular about the rights and role of women in the ever emerging scenarios the world over.

As part of celebrations, a **workshop on self defence** was organized with the focus on enabling the girls defend themselves against aggressors in diverse situations. More **than 200 girls** participated in the workshop.

## 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	77	19.26 Lakh
Financial support from government	166	132 Lakh
Financial support from other sources	4	1.60 Lakh
Number of students who received International/ National recognitions		

### 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: \_\_\_\_\_

## Criterion – VI

### **6. Governance, Leadership and Management**

6.1 State the Vision and Mission of the institution

#### **VISION**

*To attain the coveted status of a growth oriented resource of national importance known for quality professional education, research and innovation.*

#### **MISSION**

*To provide professional education with a difference confirming a confluence of inter multi disciplinary knowledge domains; targeting excellence in collaboration with industry; promoting creative competence and innovation aimed at producing skilled human resource and entrepreneurs; sustaining Indian ethics and moral values.*

6.2 Does the Institution has a management Information System

Yes

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

6.3.1 Curriculum Development

The curriculum development is done by the affiliated University. However many faculty members of the institute are on the board of study of the university for various disciplines.

6.3.2 Teaching and Learning

- Academic Calendar is prepared before the start of the session.
- Modern teaching methods like LCD Projectors and PPTs are used by faculty
- The various online resources such as MOOCs and virtual labs are being used.
- The case study/role play/ Group discussions/ quizzes/ crossword puzzles and various other action learning techniques are used by the faculty.
- The interactive question-answers session/quizzes are arranged by the teachers and students are encouraged to ask more and more questions in the class.

### 6.3.3 Examination and Evaluation

- The Institute conducts 02 Mid Semester Tests during every semester.
- The home assignments are given to the students.
- The tutorial sheets are given to the students.
- The subject quizzes are held in the classes.
- Minor and major projects are given to the students.
- Group presentations are made by the students.
- The feedback is taken from the students during and at the end of every semester.

### 6.3.4 Research and Development

- The Institute has a research committee to monitor and address the issues of research.
- There are 67 labs in different departments of the Institute which are used for carrying out the research.
- The Institute has a good number of software which are used in research.
- SEED grant amounting to Rs. 10.00 lakhs every year and limited to Rs. 1.5 lakh for minor projects to the faculty of the Basic Science/ Engineering & Technology, Management & Environmental Sciences department and SEED Grant up to Rs. 0.75 lakh for Humanities department.
- The Institute encourages faculty and students to get their research papers published in journals of repute.
- Vide item no. 15.27 dated 7/12/2016, it was resolved that a budget provision of Rs. 2 lacs in the annual budget for funding industry defined/research projects to DAVIET students every year. The Institute can finance maximum up to Rs. 25000/- for each Industry Defined/ Research Project.

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- The Institute has a well stocked automated library.
- Every year new books are purchased.
- The Institute subscribes to a large number of print and online journals.
- Administrative procedure is computerised.
- The Institute has got the state-of-art infrastructure.

### 6.3.6 Human Resource Management

- The Institute strictly follows the guidelines issued by the Regulatory Authorities and University for appointment of Faculty.
- The pay scales, DA and HRA are given to the entire staff as per the prescribed norms.
- There is proper delegation of authority and Institute has a defined organisational structure.
- The division of work is done on the basis of the core competence.
- In order to harness their skills the training programs are arranged from time to time as per the requirement.
- The appointments are done in a very fair and transparent manner.

### 6.3.7 Faculty and Staff recruitment

- The appointments of faculty and staff are strictly as per AICTE/State Govt. Norms regarding qualifications and experience.
- Various positions are filled from time to time.
- Necessary supporting staff is recruited as per need.

### 6.3.8 Industry Interaction / Collaboration

- There is a dedicated Department of Training & Placement in the Institute which is entrusted with the task of interacting with the industry for training and placement of the students.
- The Institute has tied up with various Industrial Houses such as Wipro, Oracle, Texas Instruments, and Sofcon to name a few.
- The experts from industry are invited for delivering lectures.
- The Industry Advisory Board of the Institute has eminent persons from industry as members.
- The persons from industry are represented in the Governing Body of the Institute.
- The departments of the Institute have got a liaison with the industry at their own level too.
- The industries have set up their center(s) of excellence in the Institute.
- The Institute organizes an Industry Week (Department-wise) every semester.

### 6.3.9 Admission of Students

The admission are made through centralized counselling IKG Punjab Technical University on the basis of merit in entrance

### 6.4 Welfare schemes for

Teaching	As per AICTE norms
Non teaching	As per State Govt. norms
Students	As per Govt. norms

### 6.5 Total corpus fund generated

2.5 crore

### 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	Yes	University, NAAC	Yes	Institute's Committee
Administrative	Yes	University, NAAC	No	

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

For UG Programmes      Yes     No     NA

For PG Programmes      Yes     No     NA

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

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

The University is encouraging its affiliating college to get autonomy from UGC for effective working in limited scope as compare to large peripheral.
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6.11 Activities and support from the Alumni Association

<ul style="list-style-type: none"> <li>• The Alumni meet is organized from time to time.</li> <li>• Alumni help in arranging training and placement of the students.</li> <li>• The Alumni deliver the expert lectures / talks to the students.</li> </ul>
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6.12 Activities and support from the Parent – Teacher Association

<ul style="list-style-type: none"> <li>• There is continuous interaction with the parents through MST reports.</li> <li>• Feedback from the parents is obtained.</li> </ul>
---

6.13 Development programmes for support staff

Supporting staff are encouraged to update their skills through training within and outside the institute
--

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

- ♦ Tree Plantation
- ♦ E-waste disposal as per Govt. Policy, discourage of polythene bags.
- ♦ Solar lights are in place.
- ♦ Water Harvesting is in place.



## 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.

- Setting of question papers as per Bloom's Taxonomy
- Display of internal assessment on the notice board.

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

- The Institute organized two faculty development programmes in the institute.
- The industry week was organized by different departments.
- The students have cleared various MOOC courses
- One new computer lab has been setup in the institute.
- The internet bandwidth has been increased from 110 mbps to 300 mbps
- LCD Projector have been installed in more classrooms.
- The faculty have published a good number of research papers in journals of repute.
- Many faculty members have attended various FDPs, Workshops, Refresher Courses, National and International Conferences.

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

- Implementation of Outcome Based Education Model in the Institute.
- Industry-Institute Confluence.

7.4 Contribution to environmental awareness / protection

- Environmental Awareness Programme are organized for students as well as faculty from time to time.
- E-waste is followed as per Govt. Policy.
- Solar system is in place in the form of street lights etc.
- Dustbins have been kept at all prominent places to keep environment eco-friendly.
- Water harvesting system is in place.
- Herbal garden in the campus.
- No vehicles are allowed to enter in academic area.
- A log book of all the trees is being maintained in the institute.

7.5 Whether environmental audit was conducted?

Yes

Yes

No

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

**STRENGTHS**

- Good leadership with dedicated faculty & staff.
- Clarity of Vision and Mission in line with present scenario.
- Good infrastructure for teaching and research.
- Good stake holder relationship.
- High retention rate of faculty and staff.

**WEAKNESSES**

- Limited consultancy activities.
- Moderate demand ratio in some discipline.
- Limited research activities.
- Funding restricted with free collection and management support only.
- Poor faculty cadre ratio and lack of senior faculty.

**OPPORTUNITIES**

- Scope for introducing more short term vocational and skill based courses.
- Resource generation through sponsored projects from funding agency.
- Taking advantage as one of the geographic locations.
- Huge strong Alumina presence all over.
- Partake in regional development activities.

**CHALLENGES**

- Preparing the students to meet global competition.
- Utilization and generation of resources for research across disciplines.
- Empowerment of students in growing Industrial environment.
- Keep pace with technological change and obsolescence.
- Cope with challenges of growth & competition.

**8. Plans of institution for next year**

1. To improve admissions, placements and results quantitatively and qualitatively
2. To inculcate the culture of entrepreneurship amongst the students.
3. To provide career guidance and preparing students for admission in International Universities and institutes of national importance.

Name : Dr. Anil Soni



Signature of the Coordinator, IQAC

Name : Dr. Manoj Kumar



Signature of the Chairperson, IQAC

\*\*\*

**Abbreviations:**

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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## ANNEXURE-A (ACADEMIC CALENDARS)

(Odd Semester: 2017-18)

1. Induction Programme (AS)	: 04 <sup>th</sup> – 14 <sup>th</sup> July, 2017
2. Registration of students (2 <sup>nd</sup> Year onwards)	: 12 <sup>th</sup> July, 2017
3. Starting of Classes	: 13 <sup>th</sup> July, 2017
4. Registration of students (1 <sup>st</sup> Year)	: 17 <sup>th</sup> July, 2017
5. Commencement of classes (AS)	: 17 <sup>th</sup> July, 2017
6. Expert Talk (EE)	: 24 <sup>th</sup> -25 <sup>th</sup> July, 2017
7. Expert talk on Design Softwares by Bentley solutions(CE)	: 01 <sup>st</sup> August, 2017
8. Inauguration of Academic Session 2017-18 (All 1 <sup>st</sup> year classes)	: 03 <sup>rd</sup> August, 2017
9. Expert Talk (IT)	: 08 <sup>th</sup> August, 2017
10. Expert Lecture in C. Skill (AS)	: 08 <sup>th</sup> August, 2017
11. Training on STAAD.Pro by Innovative Systel to faculty member	: 10 <sup>th</sup> -11 <sup>th</sup> August, 2017
12. Quiz by Robotics Club (ME)	: August, 2017
13. Aptitude Test by Tech-Lit Club (ME)	: August, 2017
14. Seminar on Web Technologies (CSE 5 <sup>th</sup> Sem)	: 11 <sup>th</sup> August 2017
15. Independence Day	: 15 <sup>th</sup> August 2017
16. Janamashtami	: 15 <sup>th</sup> August 2017
17. Gate Mock Test ( CSE 7 <sup>th</sup> Sem) ((Ms. Sonali Talwar)	: 16 <sup>th</sup> August, 2017
18. Mock Placement Drive (EE)	: 16 <sup>th</sup> August, 2017
19. Workshop (IT)	: 22 <sup>nd</sup> August, 2017
20. Coding event by PRISMA Club (Mr.Gursewak Singh)	: 23 <sup>th</sup> August, 2017
21. Talent Hunt	: 24 <sup>th</sup> -25 <sup>th</sup> August, 2017
22. Traffic buzz (ECE)	: 25 <sup>th</sup> August, 2017
23. Ad-Show (MBA)	: 28 <sup>th</sup> August, 2017
24. MST-I/ Academic Audit-I	: 30 <sup>th</sup> -31 <sup>st</sup> August, 2017
25. Expert Talk (EE)	: 31 <sup>st</sup> August, 2017
26. GD/PI skill improvement sessions (ME)	: September, 2017
27. Aptitude Test (Mr. Gagan Sharma)	: 04 <sup>th</sup> September, 2017
28. Karaoke Fun Event (EE)	: 05 <sup>th</sup> September, 2017
29. Dispatch of academic record and attendance Record	: 06 <sup>th</sup> September, 2017
30. Teacher's feedback by students-I	: 06 <sup>th</sup> - 7 <sup>th</sup> September, 2017
31. Technical Event by Microsoft Student Partner(CSE,3 <sup>rd</sup> & 5 <sup>th</sup> Sem)	: 06 <sup>th</sup> September , 2017
32. Industry Week (IT) (Includes Workshop & Expert Talk, Industrial visit)	: 11 <sup>th</sup> -15 <sup>th</sup> September, 2017
33. Debate on contribution of Electronics & Communication Engg. In "Digital India" (ECE)	: 12 <sup>th</sup> September, 2017
34. National Seminar sponsored by CSTT, MHRD (AS)	: 13 <sup>th</sup> -14 <sup>th</sup> September, 2017
35. Group Discussion/Mock Interview (Ms. Neetu Gahalawat )	: 14 <sup>th</sup> September, 2017
36. Visit to Geology Department, Punjab University, Chandigarh(CE)	: 14 <sup>th</sup> September, 2017
37. General Quiz (MBA)	: 14 <sup>th</sup> September, 2017
38. Role Play (EE)	: 15 <sup>th</sup> September, 2017
39. Technical contest on engineer's day by PRISMA club	: 15 <sup>th</sup> September, 2017
40. Expert lecture in Numerical Analysis (AS)	: 18 <sup>th</sup> September, 2017
41. Workshop (ECE)	: 18 <sup>th</sup> - 20 <sup>th</sup> September, 2017
42. Certificate Course for Productivity Practitioner Basic Programme by NPC India	: 18 <sup>th</sup> -22 <sup>nd</sup> September, 2017

- |   |   |
|---|---|
| 43. Industry week (Coordinator-Mr. Sahul Goyal)<br>(Includes Workshop & Expert Talk on Emerging technologies, Industrial visit) | : 18 <sup>th</sup> - 23 <sup>rd</sup> September, 2017 |
| 44. Expert Lecture (ECE)  | : 22 <sup>nd</sup> September, 2017                    |
| 45. Industry Week (ECE)<br>(Includes Workshop & Expert Talk, Industrial visit, Quiz Competition)                                | : 25 <sup>th</sup> -29 <sup>th</sup> September, 2017  |
| 46. Mock Placement Drive (MBA)  | : 28 <sup>th</sup> - 29 <sup>th</sup> September, 2017 |
| 47. Field Visit related to Steel Structures (CE)  | : 29 <sup>th</sup> September, 2017                    |
| 48. Industry Week (EE)<br>(Includes Workshop & Expert Talk, Industrial visit)   | : Last week of September                              |
| 49. Dusshera  | : 30 <sup>th</sup> September, 2017                    |
| 50. Robotics Model Making competition (ME)  | : October, 2017                                       |
| 51. Technical poster presentation by Tech-Lit Club (ME)   | : October, 2017                                       |
| 52. Mahatma Gandhi Jayanti  | : 02 <sup>nd</sup> October, 2017                      |
| 53. LAN Gaming Event  | : 03 <sup>rd</sup> October, 2017                      |
| 54. Technical Quiz(C/C++/DBMS) (Ms. Reeta Bhardwaj)   | : 03 <sup>rd</sup> October, 2017                      |
| 55. Industry Week (MBA)<br>(Includes Workshop & Expert Talk, Industrial visit)  | : 03 <sup>rd</sup> -6 <sup>th</sup> October, 2017     |
| 56. Maharishi Balmiki Jayanti   | : 05 <sup>th</sup> October, 2017                      |
| 57. Group Discussion (EE)   | : 06 <sup>th</sup> October, 2017                      |
| 58. DigiKit (ECE)   | : 06 <sup>th</sup> October, 2017                      |
| 59. Aptitude Test (CSE 3 <sup>rd</sup> Sem) (Ms. Amanjot Kaur)  | : 06 <sup>th</sup> October, 2017                      |
| 60. Expert Talk/Workshop (IT)   | : 07 <sup>th</sup> October, 2017                      |
| 61. Industry Week (CE)<br>(Includes Workshop & Expert Talk, Industrial visit)   | : 09 <sup>th</sup> -13 <sup>th</sup> October, 2017    |
| 62. Technical Quiz (DS/DCN/OS) (Ms. Sarabjot Kaur)  | : 10 <sup>th</sup> October, 2017                      |
| 63. Expert Lecture (AS)   | : 13 <sup>th</sup> October, 2017                      |
| 64. Seminar/ Workshop (EE)  | : 13 <sup>th</sup> -14 <sup>th</sup> October, 2017    |
| 65. Cricket/Basketball Tournament (EE)  | : 17 <sup>th</sup> -21 <sup>st</sup> October, 2017    |
| 66. Diwali  | : 19 <sup>th</sup> October, 2017                      |
| 67. Expert Lecture (CE)   | : 21 <sup>st</sup> October, 2017                      |
| 68. Panel Discussion (MBA)  | : 26 <sup>th</sup> October, 2017                      |
| 69. Visit to water treatment plant (CE)   | : 26 <sup>th</sup> October, 2017                      |
| 70. Teacher's feedback by students-II   | : 01 <sup>st</sup> -03 <sup>rd</sup> November, 2017   |
| 71. Workshop on LINUX (CSE-5 <sup>th</sup> & 7 <sup>th</sup> Sem)   | : 03 <sup>rd</sup> November 2017                      |
| 72. Guru Nanak Jayanti  | : 04 <sup>th</sup> November, 2017                     |
| 73. Technical Quiz (CSE 3 <sup>rd</sup> Sem) (Ms. Amanjot Kaur)   | : 06 <sup>th</sup> November, 2017                     |
| 74. Technical Quiz (CSE 5 <sup>th</sup> Sem) (Ms. Sonali Talwar)  | : 08 <sup>th</sup> November, 2017                     |
| 75. MST-II/ Academic Audit-II   | : 08 <sup>th</sup> -10 <sup>th</sup> November, 2017   |
| 76. Dispatch of academic record and attendance Record   | : 15 <sup>th</sup> November, 2017                     |

**ACADEMIC CALENDAR  
EVEN SEMESTER 2018**

1	Expert Talk on Cloud Computing	IT	17 <sup>th</sup> January, 2018
2	Karaoke Fun Event	EE	17 <sup>th</sup> January, 2018
3	Inauguration of American Society of Civil Engg. Student Chapter	CE	19 <sup>th</sup> January, 2018
4	FDP on NABL in collaboration with NITTR, Chandigarh	CE	20 <sup>th</sup> -23 <sup>rd</sup> January, 2018
5	Expert lecture in Chemistry	AS	23 <sup>rd</sup> January, 2018
6	Mock Gate Exam by TechLit Club	ME	23 <sup>rd</sup> January, 2018
7	Technical Quiz- on CN & Database (6 <sup>th</sup> Sem)	CSE	23 <sup>rd</sup> January, 2018
8	Poster Making Competition	EE	24 <sup>th</sup> January, 2018
9	Virtual Quiz	EE	28 <sup>th</sup> January, 2018
10	Aptitude Test	MCA	29 <sup>th</sup> January, 2018
11	Electro Vision	ECE	29 <sup>th</sup> January, 2018
12	Industrial Visit of MBA 1 <sup>st</sup> Year	MBA	29 <sup>th</sup> January, 2018
13	Aptitude Test (6 <sup>th</sup> Sem)	CSE	2 <sup>nd</sup> February, 2018
14	Workshop on Devops	IT	6 <sup>th</sup> February, 2018
15	Expert Talk on Advertising	MBA	6 <sup>th</sup> February, 2018
16	Basket Ball Tournament (Inter Departmental)	EE	7 <sup>th</sup> - 9 <sup>th</sup> February, 2018
17	Industry Week (Expert Talk & Workshop + Industrial visit)	ECE	12 <sup>th</sup> -16 <sup>th</sup> February, 2018
18	Technical Quiz on DS & C++ (4 <sup>th</sup> Sem)	CSE	12 <sup>th</sup> February, 2018
19	Ad Show	MBA	13 <sup>th</sup> February, 2018
20	Expert lecture in Physics	AS	16 <sup>th</sup> February, 2018
21	Expert talk on SMOG in India Causes & Prevention	CE	16 <sup>th</sup> February, 2018
22	Seminar on Emerging Technologies (4 <sup>th</sup> /6 <sup>th</sup> Sem)	CSE	16 <sup>th</sup> February, 2018
23	Industry Week (Expert Talk & Workshop + Industrial visit)	EE	19 <sup>th</sup> -23 <sup>rd</sup> February, 2018
24	Paper Presentation	MCA	21 <sup>st</sup> February, 2018
<b>MST-I</b> <b>26<sup>th</sup> -28<sup>th</sup> February, 2018</b>			
25	Expert Talk on Export and Import	MBA	2 <sup>nd</sup> March, 2018
26	Technical Quiz (DBMS)	MCA	2 <sup>nd</sup> March, 2018
27	Role Play	EE	2 <sup>nd</sup> March, 2018
28	Industry Week (Expert Talk & Workshop + Industrial visit)	MBA	5 <sup>th</sup> -9 <sup>th</sup> March, 2018

29	Industry Week (Expert Talk & Workshop + Industrial visit)	ME	5 <sup>th</sup> -9 <sup>th</sup> March, 2018
30	Industry Week (Expert Talk & Workshop on Emerging Technologies + Industrial visit)	CSE	5 <sup>th</sup> -9 <sup>th</sup> March, 2018
31	Science Day Celebration	AS	6 <sup>th</sup> March, 2018
32	CSI Event	IT	8 <sup>th</sup> March, 2018
33	Expert Lecture by Adjunct Faculty	ECE	9 <sup>th</sup> March, 2018
34	Expert Lecture involved GD by Tech Lit Club	ME	12 <sup>th</sup> -15 <sup>th</sup> March, 2018
35	Quiz by Robotics Club	ME	13 <sup>th</sup> March, 2018
36	Expert Talk in Math	AS	16 <sup>th</sup> March, 2018
37	Role Play	MBA	16 <sup>th</sup> March, 2018
38	Workshop on Stress Management	MBA	19 <sup>th</sup> March, 2018
39	Expert Talk on Renewable Energy	EE	19 <sup>th</sup> March, 2018
<b>DAVitya</b> 22 <sup>nd</sup> -23 <sup>rd</sup> March, 2018			
40	Mock Placement Drive	EE	26 <sup>th</sup> -27 <sup>th</sup> March, 2018
41	Industry week (Expert Talk & Workshop + Industrial visit)	MCA	27 <sup>th</sup> -31 <sup>st</sup> March, 2018
42	Aptitude Test (4 <sup>th</sup> Sem)	CSE	27 <sup>th</sup> March, 2018
43	Biz Quiz Contest	MBA	27 <sup>th</sup> March, 2018
44	Expert talk in C. English	AS	28 <sup>th</sup> March, 2018
45	Technical Quiz (DS/DCN/OS)	MCA	29 <sup>th</sup> March, 2018
46	Industry Week (Expert Talk & Workshop + Industrial visit)	IT	2 <sup>nd</sup> -6 <sup>th</sup> April, 2018
47	Tech Quiz by Tech Lit Club	ME	3 <sup>rd</sup> April, 2018
48	Poster & Paper Presentation (Environmental & Scientific Issues)	AS	3 <sup>rd</sup> April, 2018
49	Debate (Recent trends in electronics & communication)	ECE	4 <sup>th</sup> April, 2018
50	Expert Talk on Modern Power System	EE	4 <sup>th</sup> April, 2018
51	Workshop on Cyber Security (4 <sup>th</sup> / 6 <sup>th</sup> Sem)	CSE	5 <sup>th</sup> - 6 <sup>th</sup> April, 2018
52	Practical Robotics Making Competition by Robotics Club	ME	6 <sup>th</sup> April, 2018
53	Alumni/Student Interaction	MCA	6 <sup>th</sup> April, 2018
54	Coding event by PRISMA Club	CSE	9 <sup>th</sup> April, 2018
<b>Annual Function</b> 12 <sup>th</sup> April, 2018			
55	Expert Talk/Workshop on Linux	IT	19 <sup>th</sup> April, 2018
<b>MST-II</b> 19 <sup>th</sup> -21 <sup>st</sup> April, 2018			