

Annual Quality Assurance Report (AQAR) in Accredited Institutions

(2017-18)



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

NAAC

VISION

To make quality the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives.

MISSION

- ☞ To arrange for periodic assessment and accreditation of institutions of higher education or units thereof, or specific academic programmes or projects;*
- ☞ To stimulate the academic environment for promotion of quality of teaching-learning and research in higher education institutions;*
- ☞ To encourage self-evaluation, accountability, autonomy and innovations in higher education;*
- ☞ To undertake quality-related research studies, consultancy and training programmes, and*
- ☞ To collaborate with other stakeholders of higher education for quality evaluation, promotion and sustenance.*

Value Framework

To promote the following core values among the HEIs of the country:

- Contributing to National Development*
- Fostering Global Competencies among Students*
- Inculcating a Value System among Students*
- Promoting the Use of Technology*
- Quest for Excellence*

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. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

I. Details of the Institution

1.1 Name of the Institution	Jaypee University of Information Technology
1.2 Address Line 1	PO Wagnaght
Address Line 2	Teh. Kandaghat
City/Town	Distt Solan
State	Himachal Pradesh
Pin Code	173234
Institution e-mail address	registrar@juit.ac.in
Contact Nos.	01792-245371
Name of the Head of the Institution:	Prof Vinod Kumar
Tel. No. with STD Code:	01792-239201
Mobile:	9412074172

Name of the IQAC Co-ordinator:

Prof Sunil Kumar Khah

Mobile:

9816975754

IQAC e-mail address:

juitiqac@mail.juit.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 18879)

11898

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/56/A7A/009 dated 16-09-2011

1.5 Website address:

www.Juit.ac.in

Web-link of the AQAR:

<http://www.juit.ac.in/IQAC/AQAR.php>

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	2.64	2011	2016
2	2 nd Cycle	B+	2.67	2017	2022
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

05/09/2016

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 2016-17 (23/03/2018)
- ii. AQAR 2015-16 (06/10/2016)
- iii. AQAR 2014-15 (08/07/2017)
- iv. AQAR 2013-14 (08/07/2017)
- v. AQAR 2012-13 (08/07/2017)
- vi. AQAR 2011-12 (08/07/2017)

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*)

NA

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

Department of
Biotechnology

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

7

2.2 No. of Administrative/Technical staff

2

2.3 No. of students

3

2.4 No. of Management representatives

1

2.5 No. of Alumni

3

2.6 No. of any other stakeholder and
community representatives

0

2.7 No. of Employers/ Industrialists

1

2.8 No. of other External Experts

2.9 Total No. of members

17

2.10 No. of IQAC meetings held No

2.11 No. of meetings with various stakeholders: 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

2.14 Significant Activities and contributions made by IQAC

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
The meeting IQAC and its sub committees has discussed and deliberated on the feedback from different stakeholders including NAAC, HPPERC and have made recommendations on the specific inputs	On the basis of recommendations, the following actions were recommended 1. To introduce CBCS from semester 5th of B.Tech 2. More stress on research proposals. 3. Start of MOOC courses in 3 rd and 4 th year of B.Tech

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body Academic Council

Provide the details of the action taken

On the basis of recommendations, the following actions were recommended
 1. To introduce CBCS and MOOC from semester 5th of B.Tech, which was placed in the Academic Council meeting held on and same was approved by Governing Council

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	8	0	8	0
PG	7	0	7	0
UG	6	0	6	0
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	21	0	21	0
Interdisciplinary	0	0	0	0
Innovative	0	0	0	0

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	21
Trimester	0
Annual	0

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.

Syllabus of different courses offered by the department are updated on regular basis. • New case-studies, video lectures have been included. • The University provides complete autonomy to the departments/faculties to • revise or update existing curricula to incorporate latest knowledge development. On an average regular curricula revision and up gradation takes place. Syllabus for Materials Science, Physics-I and Physics-II Courses offered to UG students has been revised. Academic Council has approved the revision of B.Tech Biotechnology structure in its meeting

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
	100	70	22	8	

2.2 No. of permanent faculty with Ph.D. 76

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
	10								10	

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	36	6	
Presented papers	40	18	
Resource Persons	3	8	4

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

Short course projects, assignments and presentations are the part of courses taught to the students, which may be core or elective.

Most of the lectures and tutorials are interactive in nature .

Mid semester and final project viva are conducted for project monitoring.

Research paper analysis is also conducted for the development of R&D activities.

2.7 Total No. of actual teaching days during this academic year 183

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

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 50 108 16

2.10 Average percentage of attendance of students 80

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme		Total no. of students appeared (Appeared/Pass)	Division				
			Distinction %	I %	II %	III %	Pass %
B. Tech	BI	13/10					76.9
B. Tech	BT	46/40					86.9
B. Tech	CE	93/83					89.2
B. Tech	CSE	164/161					98.1
B. Tech	ECE	91/78					85.7
B. Tech	IT	46/45					97.8
M. Tech	BT	6/6					100
M. Tech	CSE	5/5					100
M. Tech	CE	12/12					100
M. Tech	ECE	7/7					100
M. Tech	EM	7/7					100
M. Tech	SE	14/14					100

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

1. IQAC takes a regular feedback from all stakeholders in a structured way on all the aspects of teaching and learning

2. The feedbacks are evaluated timely and the recommendations are implemented.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	8
UGC – Faculty Improvement Programme	0
HRD programmes	10
Orientation programmes	72
Faculty exchange programme	2
Staff training conducted by the university	11
Staff training conducted by other institutions	55
Summer / Winter schools, Workshops, etc.	10
Others	2

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	72		2	
Technical Staff	41		3	

Criterion – III

3. Research, Consultancy and Extension

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

The faculty is encouraged and provided financial assistance to present their research work in national and international conferences.
 In addition to this the university strongly promotes the participation of faculty in workshops, symposia to update their research
 Faculty is encouraged to publish their work in international journals of repute
 Partial financial support to PhD students working on projects.
 Providing financial support to research projects in case of shortage of funds
 The faculty is also provided duty leave for research visits

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	6	21	1	21
Outlay in Rs. Lakhs	261.54	787.03		

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	179		
Non-Peer Review Journals			
e-Journals			
Conference proceedings	99		

3.5 Details on Impact factor of publications:

Range Average Highest 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	2017-2018	DST,DBT, DRDO, HIMCOSTE	147.32	147.32
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	5	3			
Sponsoring agencies	IEEE, DST, DRDO,JUIT	DST, DRDO,JUIT			

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="147.39"/>	From Management of University/College	<input type="text" value="177.5"/>
Total	<input type="text" value="324.82"/>		

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	02
	Granted	01
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
18	13	3				

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	<input type="text" value="26"/>	SRF	<input type="text" value="1"/>	Project Fellows	<input type="text" value="3"/>	Any other	<input type="text" value="55"/>
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3.21 No. of students Participated in NSS events:

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

3.22 No. of students participated in NCC events:

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

3.23 No. of Awards won in NSS:

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

3.24 No. of Awards won in NCC:

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

3.25 No. of Extension activities organized

University forum	<input type="text" value="27"/>	College forum	<input type="text"/>
NCC	<input type="text"/>	NSS	<input type="text"/>
		Any other	<input type="text" value="17"/>

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

- Installation of Biogas systems in the university and school in Domaher village by using waste from food and agricultural .
- Inviting schools students to the university from different areas of HP for the interactions with faculties, students and PhD scholars to appraise them about future avenues and research activities.
- Visit of faculties to different schools to conduct awareness drives about future perspectives in different streams of biological sciences and engineering.
- Visit of Different Gram Pradhans to JUIT

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	25	0	JUIT	25
Class rooms	8	7	JUIT	15
Laboratories	58	5	JUIT	63
Seminar Halls	3	0	JUIT	3
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	5	16	JUIT	21
Value of the equipment purchased during the year (Rs. in Lakhs)	2424.24	177.5	JUIT	2601.79
Others				

4.2 Computerization of administration and library

Library services are fully computerized with –Library Management Software. The procurement of documents, issue return of documents, technical processing all are being done with the help of software.
The Whole administrative work is done by campus connect software

4.3 Library services:

Library Services	Existing		Newly Added		Total	
	No.	Value	N.	Value	No.	Value
Text Books (2002-16)	19965				30400*	
Reference Books Z(2002-16)	12705	47414661	6001	1658629	8271*	49073290
E-Books**	372	533887	-	-		
Journals***	105	3223439	108	1668256	108	1668256
e-Journals***	9082		10797		10797	
Digital Database	7	3208646	10	2992224	10	2992224
CD & Video						
Other Z(Specify)	3048		87		3135	

*Book Status changed from reference to text in 2017-18

Journals,e-Journals, Database are accessible on year subscription based model, hence detail is not cumulated in total

** 936 e-Journals + 8146 Conf. proceedings and symposia etc.

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1112	744	1GBPS (BSNL) 15 MBPS (Railtel)	66	59	34	108	18
Added	300	15	12 MBPS (Railtel)	0	0	0	2	0
Total	1129 (Rest discarded as e waste)	759	1GBPS (BSNL) 27 MBPS (Railtel)	66	59	34	110	18

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

All the staff and faculty members are provided with an individual computer with round the clock internet and intranet access. The workshops are organised from time to time for training of faculty, staff and students on different themes like vlab, cybercrime etc.

4.6 Amount spent on maintenance in lakhs :

i) ICT	35.54
ii) Campus Infrastructure and facilities	226.59
iii) Equipments	149.44
iv) Others	35.32
Total :	446.89

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- IQAC has invoked several suggestions to enhance student support services like, scholarships, grievance cell, anti-ragging, women's cell, health programmes, facility of canteen, transport, hostel, sports, library, and timely disbursing the fellowship *etc.*
- IQAC along with management and faculty conducts orientation programmes for newly enrolled students in all the B.Tech branches.
- IQAC encourages departments to organized workshops and events for skill development of students.
- IQAC has encourages faculties to nurture research outlook among students.

5.2 Efforts made by the institution for tracking the progression

- To check the student's regular progression seminars, presentations, assignments, class tests and remedial tutorials are taken.
 - After the Test-I and Test-II result analysis
Remedial classes are conducted after tracking the weakness of students.
 - Extra classes are arranged for the revision of course.
- The University has started to prepare the database concerning the progression of the students. Alumni feedback is one of the main part of it.
- Details of all students are being recorded and updated time to time and kept in the core departments/registry.
- Pass out students meeting are held regularly at the end of the year and an exit feedback is collected, analysed and results are accordingly advised to concerned departments.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1828	79	154	2061

(b) No. of students outside the state

1988

(c) No. of international students

31

No	%
1506	73.07

Men

No	%
555	26.93

Women

Last Year (UG)						This Year (UG)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1831	40	9			1880	1776	45	7			1828

Demand ratio UG: 15:1, P.G: 1.5:1 Dropout %

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

Jaypee University provides in house training in Communication skills and Personality Development, Aptitude Test Training on AMCAT pattern, Group Discussions and Personal Interview sessions .The orientation Program and webinars are conducted for the higher studies and competitions. Department also provides mentorship for the preparation of GATE,NET,GRE etc. Mock tests are also conducted during coaching for evaluation of the students.JUIT Facilitates the professional organisations to conduct coaching for competitive exams like CAT,GATE by providing the infrastructure free of cost

No. of students beneficiaries

2000

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

The Department provides career counselling to the students by the in-house faculties and by visiting experts in order to groom the students personality and persona to face the challenges of the commercial world. A counsellor regularly visits the campus to address any personal problems along with deputed faculty from the department to mentor and counsel the students for their academic and personal growth. Training and placement workshop conducted by the department – CV writing, Mock interviews and One to one counselling etc.

No. of students benefitted

460

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
79	239	174	5

5.8 Details of gender sensitization programmes

There is no discrimination on the basis of gender in the university which is well advertised. The equal opportunity is given to students at all fronts of activities and the same is also applicable to faculty and staff. In case of any controversy, the university depute senior male and female faculty & staff members to look into the matter and solve it. JUIT has a gender sensitization committee as per MHRD guidelines

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	62	70.96 Lakhs
Financial support from government	28	51.86 Lakhs
Financial support from other sources	0	0
Number of students who received International/ National recognitions	0	0

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 become a Centre of Excellence in the field of IT and related emerging areas in education, training and research comparable to the best in the world for producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management.

Mission

1. To develop as a benchmark University in emerging technologies;
2. To provide state of the art teaching-learning process and a stimulating R&D environment; and
3. To harness human capital for sustainable competitive edge and social relevance.

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 university has academic council and board of studies to monitor the academic curriculum of every department. Students groups have been prepared from each batch for taking feedback

6.3.2 Teaching and Learning

The students are assigned projects/presentations on the topics discussed in the class by the teachers. Most of the lectures and tutorials are interactive in nature.

Research paper analysis has also included in some core and elective courses to improve research acumen for the conceptualizing of BTech projects.

Mid semester and final project viva are conducted for project monitoring

6.3.3 Examination and Evaluation

There are three examinations T-1,T-2 and T-3 for 15,25 and 35 marks respectively for the theory classes. 25 marks are allotted to Internal assessment which can include attendance, quizzes and assignments.

6.3.4 Research and Development

The university counted research publications only in scopus and SCI indexed Journals for the accomplishment of PhD degree and for the API score of the faculty, whereas UGC approved journals and other publications are also contributing simultaneously.

Faculties received state and national level project grants for developing more advance R&D activities. JRF appointed through projects and further provided chance to pursue PhD.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Each faculty member is provided with a computer with internet connectivity his/her office cabin. The computers are installed with the required softwares and IT tools for their use in teaching and research. Online resources of Library are accessible and subscribed.

6.3.6 Human Resource Management

We have Registrar to take care of nonteaching staff for their welfare and career progression. He has additional responsibility as a Student Welfare Officer and to look after all the matters associated with this concern. The director/ Dean (A&R) takes care of the faculty and ensuring the academic/ research progress. The VC, to look after all issues.

6.3.7 Faculty and Staff recruitment

The emphasis has been given while selecting faculty on academic excellence, Degrees of specializations received from IITs,/Best Institutes of the country or overseas, research publications and projects granted from funding agencies. For the staff recruitment, technical experience and academic eligibility are the prerequisite. JUIT recruit faculty and staff regularly by advertising vacant positions in national News papers

6.3.8 Industry Interaction / Collaboration

Mock Interviews and pre-placement interaction with the industry professionals.

Industrial visit and training after sixth semester during summer vacation.

Sponsorship of technical projects for research and development.

Consultancy services from the industry professionals.

MoUs and collaboration with the industries like CSIR, CAIR, University of Florida etc

6.3.9 Admission of Students

All India JEE rank is required for the admission and for Biology background students seats in biotechnology/bioinformatics on the basis of 10+2 marks.

6.4 Welfare schemes for

Teaching	Medical Allowance , LTC, Accommodation, Gratuity, EPF, Medical services at University
Non teaching	
Students	

6.5 Total corpus fund generated

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	HP Regulatory Commission		
Administrative	YES	HP Regulatory Commission		

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?

The examination structure is transparent and at the start of semester, students are informed about the schedule of examinations .The students are shown their answer scripts in every examinations, The students are also informed about the evaluation system for internal assessment

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

Collaboration with Alumni Association and inputs from JUIT Alumni leads to visit by many companies for recruitment every year.

6.12 Activities and support from the Parent – Teacher Association

Though there is no formal Parent-Teacher Association; however, parents are regularly updated about the performance of their wards and they can access the information from the web kiosk.

6.13 Development programmes for support staff

Continuing education programmes for support staff was conducted in May-June 2017

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

No land filling of solid waste and disposal of household and laundry effluent through a state of the art Sewage Treatment Plant (STP). The treated water is used for gardening since the inception of the University. MSW and mess waste is sent outside the campus for treatment and disposal. Two biogas plants are installed at campus for demonstration of biogas production from biodegradable waste to sensitize the residents and students towards need of renewable energy. Composting machines (02 in number) are installed at campus. Vermicompost beds are also installed at Campus. Campus is a green campus with plenty of trees.

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 PhD scholars are advised for publications in indexed referred journals and for writing project proposals. The faculty and scholars are motivated for the protection of their intellectual property in any form of IPR.
Regular student Counselling is carried out at faculty and administration level.
B.Tech, M.Tech and PhD students are supported to present their research work in conferences and also motivated them to participate in workshops.

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

Regular monitoring was done for the academic performance of the students and teaching faculty. Outcome based work plan was designed for the accomplishment of all tasks.

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

1. Curricular Aspects
2. Development of Infrastructure.

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

7.4 Contribution to environmental awareness / protection

The university regularly monitor all the aspects of environment safety and cleanliness . University management and JYC environmental club hosts many drives for providing awareness and measures for this concern.
The University is its own STP and rain water harvesting system. University has also a small biogas plant
Regular cleaning drives are organised by university under swatch Bharat Abhiyaan
There is proper waste management in University. E-waste and hazardous waste are disposed off by authorised agencies.
Celebration of World Enviornment Day and Sawatch Bharart Abhiyan are always contribute in generating awareness and tackling issues.

7.5 Whether environmental audit was conducted? Yes No

 N

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

The students are provided with very friendly environment and monitored for academic and personal well being for their overall development. Many sports and recreational events are organised and provide platform for interactions at all levels. They are encouraged for other social activities.

8. Plans of institution for next year

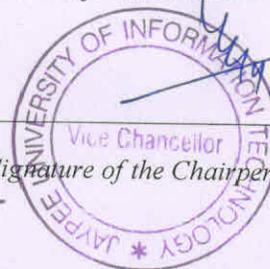
1. Increase in the strength of students and faculties.
2. Increase the research labs infrastructure.
3. Encouragement for industrial interactions for projects and research.
4. Planning for floating new PG courses
5. Competing for more research project grants and developing more

Name **Prof. Sunil Kumar Khah**

Sunil Kumar Khah
22/11/19

Signature of the Coordinator, IQAC

Name **Prof. Vinod 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

ACADEMIC CALENDAR 2017 – 18

SER. NO.	EVENT	ODD SEMESTER (Jul-Dec 2017)	EVEN SEMESTER (Jan-Jun 2018)
Registration			
1.	UG 2 nd Yr, UG 3 rd Yr & M. Tech 1 st Yr	18 Jul 2017	08 Jan 2018
	UG 4th yr (Incl. DD), DD 5 th yr-2013 batch, Intgt. & M. Tech 2 nd Year, All Ph.D.	19 Jul 2017	09 Jan 2018
	UG 1 st Yr	20 Jul 2017 (Fresh Batch)	10 Jan 2018
	Late Registration - - Within one week from date of registration, after due approval and with late fee. No Concession on attendance. Late fee and late registration is not applicable for 1st year (New entrants) in Odd Semester only (1 st Sem).		
Orientation / Commencement of Classes			
2.	First year orientation (Fresh Batch)	21 Jul 2017	--
	Commencement of Classes for all batches.	Next day of Registration	Next day of Registration
	First year classes (new batch)	22 Jul 2017	
3.	Ph.D. DPMC Meeting (for new scholars)	Latest By 10 days of enrollment (not later than 03 Aug 2017 for 1 st Year)	Latest By 10 days of enrollment
4.	Diksha	13 Aug 2017	
5.	Summer Industrial Training. Report Submission to Registry by BI/BT, CE, CSE/IT & ECE Departments	Latest by 25 Aug 2017	
6.	Attendance Review before T1 exam	01 Sep 2017	16 Feb 2018
T1 Examination & Results			
7.	Examination Schedule	04 - 09 Sep 2017	19 - 24 Feb 2018
	Showing of Evaluated Answer Sheets to students (Latest by)	16 Sep 2017	28 Feb 2018
	Results Uploading on System (Latest by)	19 Sep 2017	01 Mar 2018
	Mid-Semester Viva/Test for Labs (incl. M. Tech) To be decided under Departmental Heads between T1 & T2.	Result to be uploaded before T2	Result to be uploaded before T2
	Mid-Term Viva for Major Projects (incl. M. Tech 3rd Sem. only) To be decided under Departmental Heads between T1 & T2.	Result to be uploaded before T2	Result to be uploaded before T2
8.	Attendance Review before T2 exam	13 Oct 2017	30 March 2018
9.	Semester Break – Diwali (Odd) (Incl. Sundays) @	16 Oct - 21 Oct 2017	
T2 Examination & Results			
10.	Examination Schedule	23 - 28 Oct 2017	02 - 07 Apr 2018
	Showing of Evaluated Answer Sheets to students (Latest by)	03 Nov 2017	13 Apr 2018
	Parakram 2017 (Sports meet)	04 - 05 Nov 2017	
	Results Uploading on System (Latest by)	07 Nov 2017	16 Apr 2018
	End-Semester Seminar / Viva for Labs - to be decided under Departmental Heads.	Result to be uploaded before T3 Exam	Result to be uploaded before T3 Exam
11.	Le-Fiestus 2018		28 - 29 April 2018
12.	Make-up Examination (All)	20 - 24 Nov 2017	23 - 27 April 2018
13.	Project / Dissertation activity		
	Submission of Project (B.Tech & M.Tech)	25 Nov 2017	10 May 2018
14.	Students' Feed Back Collection by	22 Nov 2017	03 May 2018
15.	Classes to be over	01 Dec 2017	11 May 2018
16.	Attendance Review Before T-3 Exam	30 Nov 2017	10 May 2018
17.	Makeup days for disrupted classes	02 - 03 Dec 2017	12 - 13 May 2018
18.	T-3 Examination		
	Examination Schedule	04 - 11 Dec 2017	14 - 21 May 2018



	Showing of Evaluated Answer Sheets to students	Latest by 16 Dec 2017	27 May 2018
Project / Viva			
20.	Final Project Viva (B.Tech & M. Tech)	12 - 14 Dec 2017	23 - 25 May 2018
	End semester Ph.D seminars	16 - 17 Dec 2017	27 - 28 May 2018
Exam Results			
21.	Dept. Board of Examiners Meeting	18 Dec 2017 (AN)	29 May 2018 (AN)
	Meeting of University Result Committee (for all courses)	19 Dec 2017 (FN)	30 May 2017 (FN)
	Freezing the grades/Submission of Final Grades to Registrar	20 Dec 2017 (AN)	31 May 2018 (AN)
	Declaration of Results by Registrar	21 Dec 2017	01 Jun 2018
Vacations & Summer Internship			
22.	Vacation - Except for Final year students	12 Dec 2017 - 07 Jan 2018*	22 May 2018 - 17 Jul 2018
	Vacation for Final year students	15 Dec 2017 - 07 Jan 2018*	26 May 2018 - 17 Jul 2018
	Summer Internship (Ind. Trg.) Period	--	22 May 2018 - 15 Jul 2018 (for 6 or more weeks)
Supplementary Examination			
23.	Registration for Supl Exam	23 Dec 2017 - 01 Jan 2018	11 Jun - 09 July 2018
	Supplementary Exam Schedule	02-04 Jan 2018	10 -13 Jul 2018
	Showing of Evaluated Answer Sheets to students (latest by)	05 Jan 2018	15 Jul 2018
	Submission of Suppl. Exam Grades by Faculty and Freezing	06 Jan 2018 (FN)	16 Jul 2018 (FN)
	University meeting for finalization Suppl. Results	06 Jan 2018 (AN)	16 Jul 2018 (AN)
	Decl. of Results of Suppl. Exam	06 Jan 2018 (AN)	17 Jul 2018 (FN)
Condensed Semester – 2017/Summer Semester – 2018			
24.	Registration for Condensed Semester / Summer Sem. for backlog students all years	02 – 10 Dec 2017	02 - 03 Jun 2018
	Condensed Semester / Summer Semester for Dual- Degree B.Tech-M.Tech (Addl Sem) and backlog students all years (Details separately)	12 Dec 2017 – 31 Jan 2018	04 Jun - 14 Jul 2018
25.	Finalization of progression of 1sr yr students into 2nd yr. and their registration in relevant Sem.	--	After declaration of Supplementary Exam results
26.	Next Semester Registration begins (Academics Session 2017-18)	--	18 Jul 2018 onwards

* The vacation ending date shall be one day prior to the date of registration for respective batches
@ No mid-semester breaks for Teaching Assistants, JRF's, & PhD Scholars.

ACADEMIC YEAR 2017-18

LIST OF HOLIDAYS

ODD SEMESTER 2017		EVEN SEMESTER 2018	
1. Raksha Bandhan	07 Aug 17 (Mon)	1. Republic Day	26 Jan 18 (Fri)
2. Janmashtmi	14 Aug 17 (Mon)	2. Maha Shivratri	13 Feb 18 (Tue)
3. Independence Day	15 Aug 17 (Tue)	3. Holi	02 Mar 18 (Fri)
4. Dushehra	30 Sep 17 (Sat)	4. Ram Navmi	25 Mar 18 (Sun)
5. Gandhi Jayanti	02 Oct 17 (Mon)	5. Id-ul-Fitr *	15 Jun 18 (Fri)
6. Diwali	19 Oct 17 (Thu)		
7. Govardhan Puja	20 Oct 17 (Fri)		
8. Guru Nanak Jayanti	04 Nov 17 (Sat)		
9. Christmas	25 Dec 17 (Mon)		

*Subject to visibility of Moon

Student Vacation (Odd Sem)

	From	To
Mid-semester break (Diwali)	16 Oct 2017	21 Oct 2017
Vacation (except Final year students)	12 Dec 2017	07 Jan 2018*
Vacation for Final year students	15 Dec 2017	07 Jan 2018*

Student Vacation (Even Sem)

Summer Vacation (except Final year students)	22 May 2018	17 Jul 2018*
Summer Vacation (Final Year Students)	26 May 2018	17 Jul 2017*

* The vacation ending date shall be one day prior to the date of registration for respective batches

Faculty Vacation

	From	To
Faculty Vacations(max 60 days)		
Faculty Vacations (Diwali)	16 Oct 2017	21 Oct 2017
Faculty Vacations (Winter)	22 Dec 2017	07 Jan 2018*
Faculty Vacations (Summer)	02 June 2018	14 Jul 2018*



SUBJECTCODE	SUBJECT	FACULTY NAME	REGCOUNT	OAR
11B17CE271	ENGINEERING GRAPHICS AND CAD LAB	AMARDEEP	52	7.84
10B11CE613	SEWAGE TREATMENT AND DISPOSAL	ANIRBAN DHULIA	40	8.13
10B17CE671	CIVIL ENGINEERING SOFTWARE LAB	BIBHAS PAUL	57	8.9
10B11CE211	ENGINEERING MECHANICS	GYANI JAIL SINGH	56	8.77
10B11CE611	DESIGN OF STEEL STRUCTURES	KAUSHAL KUMAR	64	8.73
10B11CE612	FOUNDATION ENGINEERING	NIRAJ SINGH PARIHAR	55	8.05
10B17CE471	GEOTECHNICAL LAB	SAURABH RAWAT	31	8.69
10B1WBT737	ENVIRONMENTAL BIOTECHNOLOGY	ASHOK KUMAR	8	7.88
14B1WBT741	BIO-RESOURCE & INDUSTRIAL PRODUCTS	ABHISHEK CHAUDHARY	13	8.23
10B17BT671	COMPARATIVE AND FUNCTIONAL GENOMICS LAB	JATA SHANKAR	27	8.15
14B17BI272	MOLECULAR MODELLING LAB	NARENDRA KUMAR	15	8.57
11B2WBT853	IMMUNOINFORMATICS	TIRATHA RAJ SINGH	3	9.13
10B17BT472	ANIMAL TISSUE CULTURE LAB	UDAYABANU M	19	8.08
16B11BI611	COMPUTER AIDED DRUG DESIGN	Y.M. RAGOTHAMAN	6	9.25
10B17CI407	MICROPROCESSORS AND CONTROLLERS LAB	EMJEE PUTHOORAN	21	6.95
10B17EC407	DIGITAL ELECTRONICS LAB	NAVEEN JAGLAN	72	8.77
10B17EC271	BASIC ELECTRONICS LAB	PARDEEP GARG	26	8.14
10B11EC211	BASIC ELECTRONIC DEVICES AND CIRCUITS	PRAGYA GUPTA	54	7.91
11M1WEC433	FAULT TOLERANT SYSTEM	RAJIV KUMAR	4	7.75
10B11EC612	VLSI TECHNOLOGY AND APPLICATIONS	SHRUTI JAIN	63	7.79
10B17EC307	SIGNALS AND SYSTEMS LAB	VIKAS BAGHEL	60	8.41
11B1WCI834	PARALLEL PROCESSING	AMOL VASUDEVA	9	8.4

10B28CI681	INFORMATION SYSTEMS LAB	EKTA GANDOTRA	24	7
11B1WCI671	COMPUTER GRAPHICS LAB	NITIN KUMAR	21	7.26
16B28CI681	SIMULATION TECHNIQUES LAB	RAJINDER SANDHU	22	8.33
17B1WCI814	DESIGN AND ANALYSIS OF REAL WORLD ALGORITHMS	RAVINDARA BHATT	6	8.33
10M11CI211	ADVANCED ALGORITHMS	SHAILENDRA SHUKLA	7	8.86
11B1WCI671	COMPUTER GRAPHICS LAB	SUMAN SAHA	55	8.75
10B17PH271	PHYSICS LAB-II	SANJIV KUMAR TIWARI	115	7.28
10B11PH211	PHYSICS-II	SUNIL KUMAR KHAH	59	7.99
10B11PH611	MATERIAL SCIENCES	VINEET SHARMA	67	8.9
10B11PD211	GROUP AND COOPERATIVE PROCESSES	NEENA JINDAL	133	8.24
17B1WHS831	UNDERSTANDING INDIA: LITERARY REFLECTIONS	PAPIYA LAHIRI	38	8.56
11B1WPD832	STRATEGIC MANAGEMENT	TRIAMBICA GAUTAM	43	7.84
10B11MA411	PROBABILITY THEORY AND RANDOM PROCESSES	MANDEEP SINGH	93	9.18
11B1WMA832	LINEAR PROGRAMMING AND APPLICATIONS	NEEL KANTH	45	8.24
10B11MA211	DISCRETE MATHEMATICS	PRADEEP KUMAR PANDEY	107	8.55

ANNEXURE – (iii)

The two best practices which have contributed to better academic and administrative functioning of the university are:

1. Curricular Aspects
2. Development of Infrastructure and Learning Resources

The presentation of these two best practices in the requisite format is as follows:

Best Practice-1

1. Title of the Practice

Curricular Aspects

2. Objectives of the Practice

The objective of the Practice is to ensure the quality sustenance and quality enhancement. To accomplish this, various measures are undertaken by the University as and when required, keeping in view the curriculum perspective

3. The Context

The best practice was initiated in the context of providing to students an environment of Sustained Disciplined Work, Self Learning, Flexibility in Pace of Learning, to give design orientation while remaining quality conscious and inculcate the skills of cooperative working.

4. The Practice

Sustained Disciplined Work

A typical semester is designed in an intensive manner with an emphasis on regular and continuous work. The Evaluation System is designed to encourage this concept.

Self Learning

In its attempt to move away from teacher-centred learning to student-specific learning, the curriculum actively encourages self learning. For this purpose 15% of the time allotted to theory and tutorial classes is earmarked for independent study.

Flexibility in Pace of Learning

The evaluation system makes special provision for different paces of learning for different students. Thus, while specifying a time limit within which tutorial/practical work must be completed, there is scope to submit such work beyond the deadline.

Design Orientation

The curriculum is structured so that basic implementation skills and design skills are interwoven together. Thus, for example, a student of Programming Systems learns not only how to program but also how to design programmes.

Quality Consciousness

Students should be aware of the importance of continuous improvement, building zero-

defect products and doing quality work. All courses will emphasize on quality as an integral part of teaching.

Co-operative Working

Given the complexity of technological problems of today large teams must work together to provide solutions. Thus, it is very important to learn group dynamics and to work in teams.

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

5. Evidence of Success

As a result of adoption of this best practice, university has been able to produce technical manpower conforming to global standards, which is reflected by university's placement record showing increase in placement offers with better packages. The students are able to acquire skills of life-long learning and cooperative work culture. Besides, the curriculum of the university has witnessed global acceptance as evident by many of our students getting admitted in various foreign universities of repute for higher studies.

6. Problems Encountered and Resources Required

As such the university did not encounter any major problem in adopting and implementing this best practice. The resources turned out to be well within the availability of the university.

7. Notes

Optional. Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words).

Best Practice-2

1. Title of the Practice

Development of Infrastructure and Learning Resources

2. Objectives of the Practice

To create learning ambience with respect to physical infrastructure and learning resources LRC & ICT.

3. The Context

The context for the best practice has been the aim of the university to provide modern construction and infrastructure of international standards, excellent academic facilities and congenial learning environment. Also, to create stock of learning resources to facilitate academic and research pursuits of the university supported by latest IT resources and technology.

4. The Practice

The university has provided the best possible facilities in terms of infrastructure required for teaching-learning process and also for administrative purposes. The lecture theatres, classrooms, laboratories and tutorial rooms, office spaces are built keeping in mind the limitations posed by hilly terrain and space restrictions, yet making it highly conducive for overall academic environment of global standards. Besides offering the best hostel facilities to students, residential facilities to faculty and staff, university also boasts of its sports

grounds and world class auditorium.

The university has a spacious and well stocked LRC with e-journals, databases and fully automated functioning. The LRC users are provided open access to the resources available. At any time about 300 users can sit and work in the library. The circulation of Books is fully automated. The security system i.e. the 3M anti-theft electromagnetic security has been installed at the main gate of LRC to check any pilferage.

The ICT support services include well equipped technology/science labs and workshops, computer labs with latest hardware/software, science/Technology/

Computer labs equipped with latest equipment/machines/ hardware, etc. and a collection of licensed software. The whole university campus is network and wi-fi enabled. The lecture theatres, classrooms, laboratories and tutorial rooms, office spaces are fitted with latest ICT facilities for supplementing teaching-learning process.

In addition to this the university uses an integrated software 'campus connect' for all functions such as financial accounting/controlling, materials management, human capital management, campus management, student life cycle management including admissions, registration, evaluation activities, etc. The university also has a dedicated power backup to avoid disruption of teaching/learning.

5. Evidence of Success

The excellent infrastructure has been able to attract students from almost all corners of the country. The LRC has witnessed about 21000 walk ins per month, which is quite inspiring. The average number of login to e-resources exclusively through LRC is about 1000 per month. Easy dissemination of knowledge/information through ICT starting from lecture room experience to exams has greatly helped students and concerned parents.

6. Problems Encountered and Resources Required

The greatest problem encountered has been in infrastructure development due to hilly terrain, rural surroundings and limitation of space available. In spite of limited space the university has managed efficiently all its academic infrastructure.