Annual Quality Assurance Report (AQAR) in Accredited Institutions

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

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

AQAR for the year

2013-14

1. Details of the Institution

1.1 Name of the Institution

Jaypee University of Information Technology

1.2 Address Line 1

Waknaghat

Address Line 2

Tehsil- Kandaghat

City/Town

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. S.K. Kak

Tel. No. with STD Code:

01792-239201

Mobile: --------

Name of the IQAC Co-ordinator: --NA--

Mobile: --NA--

IQAC e-mail address: --NA--

1.3 **NAAC Track ID**   11898

                    OR

1.4 **NAAC Executive Committee No. & Date:**   EC/56/A&A/009 dated 16-09-2011
   (For Example EC/32/A&A/143 dated 3-5-2004.
   This EC no. is available in the right corner- bottom
   of your institution's Accreditation Certificate)

1.5 Website address: www.juit.ac.in

Web-link of the AQAR: http://www.juit.ac.in/AQAR2013-14.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	2.63	2011	2016
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC :   DD/MM/YYYY   05/09/2016

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

   i.   AQAR _____NA_____ _____ (DD/MM/YYYY)
   ii. AQAR_____NA___ _____ (DD/MM/YYYY)
   iii. AQAR_____NA___ _____ (DD/MM/YYYY)
   iv. AQAR_____NA___ _____ (DD/MM/YYYY)

1.9 Institutional Status

   University   State [ ] Central [ ] Deemed [ ] Private [√]

   Affiliated College   Yes [ ]   No [√]

   Constituent College   Yes [ ]   No [√]

   Autonomous college of UGC   Yes [ ]   No [√]

   Regulatory Agency approved Institution   Yes [√]   No [ ]

   (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 [√]

1.10 Type of Faculty/Programme

   Arts [ ]   Science [ ]   Commerce [ ]   Law [ ]   PEI (Phys Edu) [ ]

   TEI (Edu) [ ]   Engineering [√]   Health Science [ ]   Management [ ]

   Others   (Specify)   [.]

1.11 Name of the Affiliating University *(for the Colleges)*   [--NA--]

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

Autonomy by State/Central Govt. / University | UGC-2f |

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*) | Centre of Excellence (DBT) |

UGC-COP Programmes | |

2. IQAC Composition and Activities

2.1 No. of Teachers | --NA--

2.2 No. of Administrative/Technical staff | --NA--

2.3 No. of students | --NA--

2.4 No. of Management representatives | --NA--

2.5 No. of Alumni | --NA--

2. 6 No. of any other stakeholder and

   community representatives | --NA--

2.7 No. of Employers/ Industrialists | --NA--

2.8 No. of other External Experts | --NA--

2.9 Total No. of members | --NA--

2.10 No. of IQAC meetings held | --NA--

2.11 No. of meetings with various stakeholders: No.   NA   Faculty   --NA--

    Non-Teaching Staff Students   NA   Alumni   NA   Others   NA

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

    If yes, mention the amount   --NA--

2.13 Seminars and Conferences (only quality related)

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

    Total Nos. [ ]   International [ ]   National [ ]   State [ ]   Institution Level [ ]

    (ii) Themes [   ]

2.14 Significant Activities and contributions made by IQAC

    --NA--

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
--NA--	--NA--

    * *Academic Calendar of the year as Annexure-i.*

2.15 Whether the AQAR was placed in statutory body   Yes [ ]   No [ ]

    Management [ ]   Syndicate [ ]   Any other body [ ]

    Provide the details of the action taken

    --NA--

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	09	00	09	00
PG	08	00	08	00
UG	06	00	06	00
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	--	--	--	--
Total	23	00	23	00

Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

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

Pattern	Number of programmes
Semester	23
Trimester	--
Annual	--

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

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

*Feedback analysis sample in the Annexure-ii

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

- Syllabi 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.

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
157	107	12	15	23

2.2 No. of permanent faculty with Ph.D.

80

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
21	00	01	00	01	00	00	00	23	00

2.4 No. of Guest and Visiting faculty and Temporary faculty   00   00   00

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	04	22	01
Presented papers	17	06	00
Resource Persons	05	02	02

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

Depending on the type of courses the students are assigned short projects/seminars/preparation of proposals for R & D, which are discussed in the class by the teacher to enhance the learning of the students. Most of lectures and tutorials are interactive in nature.

2.7 Total No. of actual teaching days

during this academic year   195

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

Nil

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

52	44	30

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	Division				
		Distinction %	I %	II %	III %	Pass %
B.Tech Civil	33	--	--	--	--	84
M.Tech Civil (CM)	01					100
M.Tech Civil (SE)	01	--	--	--	--	100
B.Tech Biotechnology	23	--	--	--	--	90
B.Tech Bioinformatics	12	--	--	--	--	88
M.Tech Computational Biology	05	--	--	--	--	100
B.Tech CSE	122	--	--	--	--	97
B.Tech IT	47	--	--	--	--	94
M.Tech CSE	17	--	--	--	--	100
B.Tech ECE	112	--	--	--	--	95
M.Tech ECE	11	--	--	--	--	100

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

--NA--

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	19
UGC – Faculty Improvement Programme	00
HRD programmes	02
Orientation programmes	00
Faculty exchange programme	00
Staff training conducted by the university	01
Staff training conducted by other institutions	01
Summer / Winter schools, Workshops, etc.	42
Others	00

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	96	*	02	00
Technical Staff	34	*	04	00

* There is no vacancy; however additional persons are employed as per requirements

Criterion – III

3. Research, Consultancy and Extension

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

--NA--

3.2   Details regarding major projects *(not exhaustive)*

	Completed	Ongoing	Sanctioned	Submitted
Number	02	03	09	06
Outlay in Rs. Lakhs	25.90	44.90	209.00	--

3.3   Details regarding minor projects *(not exhaustive)*

	Completed	Ongoing	Sanctioned	Submitted
Number	00	02	00	00
Outlay in Rs. Lakhs	00	19.68	00	00

3.4   Details on research publications

	International	National	Others
Peer Review Journals	218	12	00
Non-Peer Review Journals	00	00	00
e-Journals	00	00	00
Conference proceedings	49	04	01

3.5 Details on Impact factor of publications:

Range 0-26.932   Average --   h-index 7   Nos. in SCOPUS 157

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 Rs. in Lakhs	Received Rs.
Major projects	2011-2014 2013-2014 2012-2015	ISRO DBT, DST, ICMR,CSIR	274.56	27626512/- *(as per FY)*
Minor Projects	2012-2015 2013-2015	DRDO DST, DIHAR	19.68	
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects *(other than compulsory by the University)*				
Any other(Specify)				
Total				

3.7 No. of books published   i) With ISBN No. | 05 | Chapters in Edited Books | 05 |

ii) Without ISBN No. | 01 |

3.8 No. of University Departments receiving funds from

UGC-SAP | -- | CAS | -- | DST-FIST | 1 |

DPE | -- | DBT Scheme/funds | 2 |

3.9 For colleges: --NA--   Autonomy | -- | CPE | -- | DBT Star Scheme | -- |

INSPIRE | -- | CE | -- | Any Other (specify) | -- |

3.10 Revenue generated through consultancy | Nil |

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	01	01	--	--	--
Sponsoring agencies	JUIT, IEEE	JUIT, CEC	--	--	--

3.12 No. of faculty served as experts, chairpersons or resource persons | 15 |

3.13 No. of collaborations   International | 05 | National | 07 | Any other | -- |

3.14 No. of linkages created during this year | 06 |

3.15 Total budget for research for current year in lakhs *(as per FY)*:

From Funding agency | 279.95095 | From Management of University/College | 533.96330 |

Total | 813.91425 |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	01
	Granted	00
International	Applied	00
	Granted	00
Commercialised	Applied	00
	Granted	00

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
05	03	02	--	--	--	--

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

51

135

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

24

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

JRF 114   SRF 00   Project Fellows 30   Any other 02

3.21 No. of students Participated in NSS events:

University level 00   State level 00

National level 00   International level 00

3.22 No. of students participated in NCC events:

University level 00   State level 00

National level 00   International level 00

3.23 No. of Awards won in NSS:

University level 00   State level 00

National level 00   International level 00

3.24 No. of Awards won in NCC:

University level 00   State level 00

National level 00   International level 00

3.25 No. of Extension activities organized

University forum 10   College forum --

NCC --   NSS --   Any other 02

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

- Blood Donation camps are being organized by the students and the staff of the University regularly, donating blood to IGMC Shimla.
- The University is also actively engaged in different social outreach programs such as providing water and sanitation to nearby villages and also maintains two temples on the campus for villagers.
- Popularization of waste management practices and recycling of food and agri-waste material in nearby villages.
- Volunteer teaching in a neighbouring high school at Domahar on each Saturday.
- Inviting school children of 10+1 and 10+2 classes from Shimla and Solan for lab visits and interaction with faculty and PhD scholars so as to apprise them about our research activities.

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 acres	00	JUIT	25 acres
Class rooms	08	00	JUIT	08
Laboratories *(Students' lab.)*	38	01	JUIT	39
Seminar Halls	03	00	JUIT	03
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	--	11	only JUIT	--
Value of the equipment purchased during the year (Rs. in Lakhs)	--	34.72351	only JUIT	--
Others	--	--	--	--

4.2 Computerization of administration and library

Library services are fully computerised with 'LIBERTY' – Library Management Software. The procurement of documents, issue return of documents, technical processing (spine levels & Barcodes, etc.) all are being done with the help of the software.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	19659	4,26,48,344	960	3,00,900	20619	4,49,48,232
Reference Books	12054		349	19,68,988	12403	
e-Books#	372	5,33,887			372	5,33,887
Journals*	121	38,87,918	115	39,03,537	115	39,03,537
e-Journals*$	24466	25,36,373	24410	29,12,266	24410	29,12,266
Digital Database	10		9		9	
CD & Video	--	--	--	--	--	--
Others (specify)	2561	-	136	-	2697	-

* Subscription amount is for the given year only.
# e-Books purchase under perpetual access mode.
$ Access to complementary resources also included.

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	920	620 (84-scrapped+ 10-JUIT Ext.)	BSNL-1 GBPS RAILTEL-2 MBPS	60	54	30	98	58
Added	90	90	RAILTEL-2 MBPS	00	00	00	00	00
Total	916	616	BSNL-1 GBPS RAILTEL-4 MBPS	60	54	30	98	58

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

All faculty and staff members are provided with an individual computer with internet access.
The workshops are organized for training of teachers and students on different themes.

4.6 Amount spent on maintenance in lakhs *(as per FY)*:

  i) ICT   Rs. 9780659/-

  ii) Campus Infrastructure and facilities   Rs. 9857872/-

  iii) Equipments   Rs. 5349766/-

  iv) Others   Rs. 4124398/-

        Total :   Rs. 29112695/-

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

> --NA--

5.2 Efforts made by the institution for tracking the progression

> The committee has been formed and the rules and regulations are being framed to track the progression of the students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1763	126	164	--

(b) No. of students outside the state

| 2053 |

(c) No. of international students

| 21 |

Men

No	%
1349	65.7

Women

No	%
704	34.3

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
-	-	-	-	-	2011	-	-	-	-	-	2053

Demand ratio   UG- 33:1; PG- 7:1   Dropout %

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

> Jaypee University of Information Technology provides regular in-house training on the following areas: Communication Skills and Personality Development Program, Aptitude Test Training on AMCAT pattern, Group Discussion and Personal Interview Sessions, Orientation Program for different Competitive Exams like The University organizes the special classes on the specific subject topics demanded by the students for the various competitive examinations. Department also provides mentorship to the students for the preparation of various competitive exams including NET, GATE, TOEFL, GRE etc.

No. of students beneficiaries

| 80 |

5.5 No. of students qualified in these examinations

NET `00`   SET/SLET `00`   GATE `27`   CAT `60`

IAS/IPS etc `01`   State PSC `00`   UPSC `01`   Others `03`

5.6 Details of student counselling and career guidance

The University conducts personality development program to polish and groom the students on the ground of personality, knowledge, sociability, attitude and skills so as to prepare them for the written tests, interviews and other competitive examinations. At the University level there is a Placement Cell to provide support to students in choosing their career and prepare them for the same. As part of the programs, the Faculty of HSS regularly conducts personality development sessions and career counselling. A counsellor regularly visits the campus to address the personal problems of the students. The placement cell organizes various talks/personal interviews/workshops/group discussions by arranging professional experts.

No. of students benefitted `200`

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed Offers/Absolute offers	Number of Students Placed
45	359	290/215	NA

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.

5.9 Students Activities

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

State/ University level `120`   National level `100`   International level `00`

No. of students participated in cultural events

State/ University level | 160 | National level | 120 | International level | 00 |

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

Sports: State/ University level | 30 | National level | 14 | International level | 00 |

Cultural: State/ University level | 45 | National level | 11 | International level | 00 |

5.10 Scholarships and Financial Support *(as per FY)*

	Number of students	Amount Rs.
Financial support from institution	114	14991722/-
Financial support from government	32	5253055/-
Financial support from other sources	00	00
Number of students who received International/ National recognitions	00	00

5.11   Student organised / initiatives

Fairs   : State/ University level | 06 | National level | 03 | International level | 00 |

Exhibition: State/ University level | 05 | National level | 02 | International level | 00 |

5.12   No. of social initiatives undertaken by the students | 05 |

5.13 Major grievances of students (if any) redressed: _____Nil_____

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 in every department to monitor the academic curriculum. There is representation from students, alumni, industry and R&D organizations.

6.3.2 Teaching and Learning

The students are assigned projects/presentations on the topics discussed in the class by the teacher to enhance the learning of the students. Most of lectures and tutorials are interactive in nature. The quizzes are also held regularly.

6.3.3 Examination and Evaluation

The university has adopted two layer examination system from 2012. There will be two examinations, "Mid Sem" and "Final" examinations of 30- and 45-marks respectively. Each examination will cover the syllabus taught up to that examination. The final grade is made from the consolidated marks of all tests and the internal assessment (25-marks).

6.3.4 Research and Development

The university has stressed upon publishing only in scopus and SCI indexed journals. The faculty has been advised to submit proposals which can provide benefits at grass root level and come out with an appropriate rural technology.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library has an Advisory Committee, known as Library Advisory Committee which takes care of making suggestions and advice to ensure quality in library services and facilities. Users' comments in terms of improving library services are also being taken in person or through email, suggestion box and by conducting user surveys. A good number of text/reference books, journals/magazines and online resources have been purchased.

6.3.6 Human Resource Management

We have registrar to take care of non-teaching staff for their welfare and career progression. The Dean (A&R) takes care of the faculty ensuring the academic and research progress.

6.3.7 Faculty and Staff recruitment

The emphasis has been given while selecting faculty on research publications/sponsored consultations/projects and pedigree. For staff recruitment their experience is given due consideration.

6.3.8 Industry Interaction / Collaboration

1. Pre-Placement Talks, Written Tests, Interviews and Group Discussions.
2. Workshop-Aptitude and General Ability Improvement, Personal Interview and Mock GD- by university faculty as well as paid experts.
3. Mandatory Industrial Training after 6th semester of B.Tech – to increase industry interaction and exposure.

6.3.9 Admission of Students

The university admits all UG students through All India JEE rank except for few seats in biotechnology/bioinformatics which are filled on the basis of 10+2 marks.

6.4 Welfare schemes for

Teaching	Yes
Non teaching	Yes
Students	Yes

6.5 Total corpus fund generated

Rs. 60155000/-

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	--
Administrative	--	--	Yes	--

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 university adopted random selection of question paper made by faculty other than JUIT

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

It is being planned that continuing education programmes will be started for support staff.

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 to publish at least two papers in indexed referred journals. The faculty has been encouraged to submit research proposals for their progress.

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 by the faculty. The availability of the faculty in the campus in office hours is ensured by the biometric attendance.

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 and Learning Resources

Details in Annexure-iii

7.4 Contribution to environmental awareness / protection

> The university regularly monitors the environment in the campus, ensures the quality of water supplied and the cleanliness in the campus.

7.5 Whether environmental audit was conducted?   Yes √   No ☐

(The university internally carries out the audit of the environment)

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

The students are monitored for academic and personal well-being for their overall development. Extracurricular activities are regularly held to groom the students. They are also encouraged to take part in various social activities

8. Plans of institution for next year

1. Increase in strength of faculty
2. Develop new research labs
3. Increase the academic covered area
4. Encourage the faculty to submit the research proposals and publish in high impact journals and also to recognize their efforts.
5. Revisit the curricula with feedback from alumni and industry.

Name: _Prof. Sunil Kumar Khah_
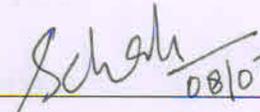
08/07/2017

Signature of the Coordinator, IQAC

Name _Prof. Vinod Kumar_
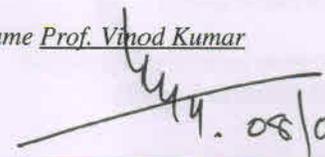
08/07/2017

Signature of the Chairperson, IQAC

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ACADEMIC CALENDAR 2013 – 14

		Odd Semester (July-Dec 2013)	Even Semester (Jan-June 2014)
1.	**Registration starts**		
	UG 2nd Yr (including DD), UG 3rd Yr (Incl. DD) & M. Tech 1st Yr	15 July	06 Jan
	UG 4th yr (Incl. DD), (5th yr-2009 batch DD) & M. Tech 2nd Year & PhD	16 July	7 Jan
	UG 1st Yr (Fresh Batch)	2 August	08 Jan
2.	**First year orientation**	3 August	_____
3.	**Classes to begin from**	**(Next Day of registration)**	**(Next Day of registration)**
4.	**Late registration**	(Within one week from date of registration, after due approval and with late fee.) No Concession on attendance (Not for 1st year-New entrants in Odd Semester)	
5.	**Ph.D DPMC Meeting** (For new scholars)	Within 15 days of enrollment	within 15 days of enrollment (if admission scheduled)
6.	**Summer Industrial Trg. Report Submitted to Registry**	Latest by 17 Aug	_____
7.	**Mid –Semester Exam.**	**09-14 Sep. 2013**	**10-15 March 2014**
8.	**Mid-Sem. Viva/Test for Lab and Major Project, Mid-Sem. Proj. Presentation (ALL) decided Under departmental heads.**	**18-21 Sep.2013**	**05-08 March 2014**
9.	**To show Mid. sem. Exam. Answer scripts by**	25 Sep.2013	25 March 2014
10.	**Loading Mid Sem. Result on System**	27 Sep. 2013	27 March 2014
11.	**Mid-semester break**	12 - 20 Oct.2013	16 – 22 Mar
12.	**Le-Fiestus 2014**	----------------	**5-7 April 2014**
13.	**Lab Examinations. Presentation (ALL) decided Under departmental heads. However, results of same must be loaded before Final . Sem. exam.**	**25-28 Nov. 2013**	**12-15 May 2014**
14.	**Students' Feed Back Collection**	By 27 Nov	By 14 May

		Odd Semester (July-Dec 2013)	**Even Semester (Jan-May 2014)**
15.	**Subm. of Project Report (ALL)**	By 28 Nov	By 15 May
16.	**Internal Assessment to be submitted by (Loaded in web kiosk)**	29 Nov.2013	16 May 2014
17.	**Classes to be over**	30 Nov	16 May
18.	**Final Semester Exam.**	**02 – 07 Dec 2013**	**19 – 24 May**
19.	**Final Project Viva. (ALL)**	**09** -11 Dec	26 May - 29 May
20.	**End semester Ph.D seminars**	09-15 Dec.	**26 May -31 May**

21. **End Semester Break**
    (Not for Teaching Assistants
    & PhD Scholars/Associates)
    (i) Except Final year students   08 Dec 13 - 05 Jan 14*   27 May – 06 Aug*
        *Note: The vacation ending date shall be one day prior to the date of registration for respective batches.

		Odd	Even
22.	**Summer Internship (Ind. Trg.) Period**	_____	27 May – 05 Aug 2014 (for 6 weeks)
23.	**To show answer scripts by-**	14 Dec	**29 May 2014**
24.	**Meeting of University result Committee** (Both for Theory & Lab Courses)	17 Dec	**30 May 2014**
25.	**Submission of Final Grades (incl. projects) to Registrar**	18 Dec	**30 May 2014**
26.	**Declaration of Results by Registrar**	18 Dec	**31 May 2014**
27.	**Registration for Supl. Exam. On Line** registration@juit.ac.in	24 – 31 Dec	**15 - 20 July 2014**
28.	**Supplementary Exam Physical Registration**	**02-03 Jan 2014**	**02 August 2014**
29.	**Supplementary Exam**	04 -07 Jan 2014	**4-6 August 2014**
30.	**Submission of Supplementary Exam Grades**	By 10 Jan 2014	**By 8 August 2014**
31.	**Next Semester Registration begins** (Academics Session 2014-15)	---------------	**07 August 2014**

NOTE

Registration for Summer Semester-	**30 June 2014**
Classes for Summer Semester-	**01 July 2014**
Exam Summer Semester-	**27-29 July 2014**
Result Summer Semester -	**01 Aug 2014**

[@. No mid-semester breaks for Teaching Assistants, JRFs/SRFs & PhD Scholars]

ACADEMIC YEAR 2013-14
LIST OF HOLIDAYS

Odd Semester

1. Id-ul-fitr — 09 Aug 13
2. Independence Day — 15 Aug 13
3. Raksha Bandhan — 20 Aug 13
4. Janmashtmi — 28 Aug 13
5. Gandhi Jayanti — 02 Oct 13
6. Dushehra — 14 Oct 13
7. Pre-Deepawali — 02 Nov 13
8. Deepawali — 03 Nov 13 (Sun)
9. Guru Nanak Jayanti — 17 Nov 13 (Sun)
10. Christmas — 25 Dec 13

Even Semester

1. Republic Day — 26 Jan 14
2. Maha Shivratri — 28 Feb 14
3. Holi — 17 Mar 14
4. Ram Navmi — 08 Apr 14

Student Vacation

Mid-semester break (Dushehra)	12 Oct.2013	20 Oct.2013	9 Days (7 days +2 Sunday)
Winter Vacation	8 Dec 2013	05 Jan 2014	29 Days
Mid-semester break (Holi)	16 Mar 2014	23 Mar 2014	8 Days (6 days + 2 Sunday)
Summer Vacation	26 May 2014	6 August 2014	73 Days

Faculty Vacation

Faculty Vacations (Dushehra)	12 Oct.2013	20 Oct.2013	7 Days (+ 2 Sundays)
Faculty Vacations (Winter)	19 Dec 2013	3 Jan 2014	17 Days
Faculty Vacations (Holi)	16 Mar (Sun) 2014	23 Mar (Sun) 2014	6 Days (+2 Sundays)
Faculty Vacations (Summer)	1 Jun 2014	31 Jul 2014	30 Days (In single slot)
Total			60 Days

REGISTRAR

Annexure-ii

Academic year: 2013-14

Sr.	SUBJECTCODE	SUBJECT	FACULTY NAME	REGCOUNT	OAR
1	10B1WCE732	HYDROPOWER ENGINEERING	ASHISH KUMAR	37	7.57
2	10B17CE372	FLUID MECHANICS LAB	SAURAV	24	8.33
3	10B1WCI515	SOFTWARE TESTING & DEBUGGING	PRADEEP KUMAR GUPTA	55	7.83
4	10B17CI371	OBJECT ORIENTED PROGRAMING LAB	AMOL VASUDEV	96	8.80
5	10B11EC513	ELECTRO MAGNECTIC ENGINEERING	PRAGYA GUPTA	39	7.52
6	10B1WEC575	THEORY & APPLICATION OF CONTROL SYSTEM LAB	PARDEEP GARG	29	7.66
7	12M2WBT322	COMPUTATIONAL SYSTEM BIOLOGY	TIRTH RAJ SINGH	5	8.65
8	13B17BT173	GLP INSTRUMENTATION & PROCESS LAB	RAHUL SHRIVASTAVA	41	8.60
9	12B1WCI733	ADVANCED JAVA	AMOL VASUDEVA	51	8.00
10	10B11EC312	ANALOGUE ELECTRONICS	MUNISH SOOD	129	7.90
11	12M2WBT382	COMPUTATIONAL SYSTEM BIOLOGY LAB	TIRATHA RAJ SINGH	5	8.45
12	10B11CE512	DESIGN OF CONCRETE STRUCTURES	CHANDRA PAL GAUTAM	77	8.53
13	10B11EC511	DIGITAL COMMUNICATIONS	PRADEEP KUMAR	31	7.14
14	10B11MA111	MATHEMATICS-I	R.S. RAJA DURAI	73	8.07
15	10B11PD311	MANAGERIAL ECONOMICS	AMIT SRIVASTAVA	45	7.67
16	10B28CI408	MULTIMEDIA DEVELOPMENT LAB I	PUNIT GUPTA	32	7.70
17	10B1WBI515	SCRIPTING LANGUAGES FOR BIOINFORMATICS	TIRATHA RAJ SINGH	7	9.43
18	10B11EC301	SIGNALS AND SYSTEMS	PRADEEP KUMAR	31	7.65
19	10B11PD511	SOCIAL AND LEGAL ISSUES	TANU SHARMA	42	7.52
20	10B11CI512	SOFTWARE ENGINEERING	YASHWANT SINGH	42	7.03
21	10B11CE514	WATER SUPPLY ENGINEERING	VEERESH S. GALI	101	7.55
22	10B11EC311	ELECTRICAL MACHINES AND INSTRUMENTS	AJAY KUMAR AGRAWAL	33	7.32

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:

<u>**Best Practice-1**</u>

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 ear marked 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.

<u>**Best Practice-2**</u>

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-leaning 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.