JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY

A. B. Road, Raghogarh, District: Guna (M.P.) - 473226

Track ID: MPUNGN11402

ANNUAL QUALITY ASSURANCE REPORT (AQAR)
2017 – 18

Submitted to:

National Assessment and Accreditation Council

Bangalore -560072, Karnataka, India

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Committee for Institute Quality Assurance Cell (CIQAC)

The responsibility of IQAC committee is to ensure the implementation of Institute Quality Assurance Process of academic and administrative activities. The Constitution of the IQAC Committee is follows:

S. No.	NAME	DESIGNATION
1	**Prof. J.S.P. Rai,** Vice Chancellor, JUET, Guna	Chairperson
2	**Brig. S.K.S. Negi (Retd.),** Registrar & Dean (SW), JUET, Guna	Member
3	**Prof. P.K. Singh**, HOD, Department of Chemical Engineering & Chemistry, JUET, Guna	Member
4	**Prof. P.K. Mishra**, HOD, Department of Mechanical Engineering, JUET, Guna	Member
5	**Prof. Vipin Tyagi**, Head, Faculty of Mathematical Sciences, & HOD Maths, JUET, Guna	Member
6	**Dr. Narendra Singh**, HOD, Electronics & Communication Engineering, JUET, Guna	Member
7	**Dr. Rajneesh Atre**, HOD, Department of Physics, JUET, Guna	Member
8	**Dr. Sumit Gandhi**, HOD, Department of Civil Engineering, JUET, Guna	Member
9	**Dr. Sandeep Srivastava**, HOD, Department of HSS, JUET, Guna	Member
10	**Dr. Rashmi Tyagi**, Associate Professor, Chemistry, JUET, Guna.	Member
11	**Shri. Nileshkumar** R Patel, Assistant Professor, JUET, Guna	Member
12	**Dr. Sudeep Sharma**, Incharge, LRC, JUET, Guna	Member
13	**Shri. Aditya Kumar Srivastava**, Deputy Manager, - ACC Cement, Tikaria, (U.P.) , Alumnus, JUET, Guna.	External Member
14	**Shri. S.C. Upadhyay**, DGM, National Fertilizer Limited, Vijaypur, Guna.	External Member
15	**Shri B.P. Gupta**, Project Director, National Highway Authority of India, Guna	External Member
16	**Smt. Hem Lata Sharma**, Janpad Circle Officer, Raghogarh, Guna	External Member
17	**Prof. Shishir Kumar** HOD, Computer Science & Engineering, Acting Dean (A & R), JUET, Guna	Member Secretary & Director IQAC

The Annual Quality Assurance Report (AQAR) 2017-18 of the IQAC
Jaypee University of Engineering and Technology, Guna

Part - A

1. Details of the Institution

1.1 Name of the Institution

> Jaypee University of Engineering & Technology, Guna

1.2 Address Line 1

> **Post Box No. - 1, A.B. Road,**

Address Line 2

> **Raghogarh**

City/Town

> **Guna**

State

> **Madhya Pradesh**

Pin Code

> **473226**

Institution e-mail address

> **contact@juet.ac.in**

Contact Nos.

> **07544-267310, 311-314**

Name of the Head of the Institution:

> **Prof. J.S.P. Rai**

Tel. No. with STD Code:

> **07544-267002**

Mobile:

> **09997974949**

Name of the IQAC Co-ordinator: **Prof. Shishir Kumar**

Mobile: **09826711482, 09479772915**

IQAC e-mail address: **shishir.kumar@juet.ac.in**

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)* **MPUNGN11402**

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)/18/A&A/126.1
dated: Nov. 05. 2016

1.5 Website address: **www.juet.ac.in**

Web-link of the AQAR: **www.juet.ac.in/NAAC/AQAR2017-18.pdf**

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

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.06	2016	5 Years
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC: DD/MM/YYYY **01/08/2016**

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 2010-11submitted to NAAC on 12-10-2011*)

   i. AQAR for the year (2016-17) : Submitted on (17/10/2017)
  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) | Not Applicable |

1.12 Name of the Affiliating University *(for the Colleges)* | Not Applicable |

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

Autonomy by State/Central Govt. / University | Not Applicable |

University with Potential for Excellence	Not Applicable	UGC-CPE	Not Applicable
DST Star Scheme	Not Applicable	UGC-CE	Not Applicable
UGC-Special Assistance Programme	Not Applicable	DST-FIST	Not Applicable

UGC-Innovative PG programmes $\boxed{\text{Not Applicable}}$ Any other $\boxed{\text{Not Applicable}}$

UGC-COP Programmes $\boxed{\text{Not Applicable}}$ (*Specify*)

2. IQAC Composition and Activities

2.1 No. of Teachers $\boxed{\textbf{10}}$

2.2 No. of Administrative/Technical staff $\boxed{\textbf{2}}$

2.3 No. of students $\boxed{\textbf{0}}$

2.4 No. of Management representatives $\boxed{\textbf{1}}$

2.5 No. of Alumni $\boxed{\textbf{1}}$

2. 6 No. of any other stakeholder and community representatives $\boxed{\textbf{1}}$

2.7 No. of Employers/ Industrialists $\boxed{\textbf{1}}$

2.8 No. of other External Experts $\boxed{\textbf{1}}$

2.9 Total No. of members $\boxed{\textbf{17}}$

2.10 No. of IQAC meetings held $\boxed{\textbf{2}}$

2.11 No. of meetings with various stakeholders: No. $\boxed{\textbf{12}}$ Faculty $\boxed{\textbf{4}}$

Non-Teaching Staff + Students $\boxed{\textbf{2 + 4}}$ Alumni $\boxed{\textbf{2}}$ Others $\boxed{0}$

2.12 Has IQAC received any funding from UGC during the year? Yes $\boxed{}$ No $\boxed{\textbf{√}}$

If yes, mention the amount $\boxed{\text{Not Applicable}}$

2.13 Seminars and Conferences (only quality related)

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

Total Nos. $\boxed{\textbf{2}}$ International $\boxed{}$ National $\boxed{\textbf{1}}$ State $\boxed{}$

Institution Level $\boxed{\textbf{1}}$

(ii) Themes	• Refresher Course on Python Programming • Advancements in Software Engineering

2.14 Significant Activities and contributions made by IQAC

- IQAC members interacted with all the stakeholders, specially alumni, and students to have their feedback for improvement in teaching learning activities and Feedback mechanism from all the stake holders is in place.

- IQAC members encouraged faculty members for their career enhancement through active participation in research activities.

- Motivated faculty members and research scholars for submission of sponsored research proposals.

- Annual Quality Assurance Report - AQAR for the A.Y. 2016-17 has been placed in Academic Council and Board of Management meeting held on December 9, 2017.

- Updation of B.Tech. Course Curriculum - As per AICTE guidelines, course curricula of B.Tech. Programs with 160 credits along with minor specializations (of additional 20 credits) were prepared for Civil Engineering, Chemical Engineering, Computer Science & Engineering, Electronics & Communication Engineering and Mechanical Engineering branches. These course curriculums will be implemented from batch 2018-19.

- Visits of prominent dignitaries for beyond syllabus discussions - Visits of sixteen prominent dignitaries for beyond syllabus discussions were conducted. List of visitors is attached at Annexure - 1.

- Meeting of University Academic / Administrative Councils -
  o Seventh meeting of Academic Council held on December 09, 2017.
  o Fourteenth Meeting of Board of Management held on December 09, 2017.
  o Details of BOS meetings are mentioned below-
    - Chemical Engineering & Chemistry : November 23, 2017
    - Civil Engineering : November 24, 2017
    - Computer Science & Engineering : November 18, 2017
    - Electronics & Communication Engineering : November 22, 2017
    - Mechanical Engineering : November 25, 2017
    - Humanities & Social Sciences : November 17, 2017

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
o Motivate faculty members to involve in focused Research activities, Sponsored research projects and Consultancy activities. o To enhance the skills of students for better placements. o Mock interviews/Online test for the purpose of campus placement o To provide a conducive environment to students round the clock to inculcate programming culture o To give more emphasis on student teacher interaction. o Preparatory classes for GATE and other Certificate exams o To provide more focus on cleanliness of the campus o To arrange more Guest lecturers from the industries / academic experts to cope up with the latest technology and trends	o NIRF Rank 2018, In University Category – Rank Band: 151 to 200 o Approved as Remote Center of National Mission on Education through ICT Program (MHRD, Govt. of India), conducted by consortium of IITs , coordinated by IIT Bombay o Based on CodeChef Coding Platform for Long Challenges JUET is ranked 30th in February 2018 at National level. o JUET, Guna is ranked as 65th in GLOBAL ranking - HackerRank University CodeSprint-4 in in February 2018. o Awarded "Best Accredited Student Branch Award" by Computer Society of India (CSI) o The recommendations made by the NAAC peer team were mostly addressed o LRC has upgraded Library Management System "Liberty" to "KOHA" – Open Source Integrated Library System. o Membership of National Digital Library (NDL) has been granted to all the Faculty and Staff members of JUET.

* Attach the Academic Calendar of the year as Annexure.

2.16 Whether the AQAR was placed in statutory body   Yes √   No ☐

Management √   Syndicate √   Any other body ☐

Provide the details of the action taken

- Feedback from subject experts and industries on curriculum.
- Communicate English skill development in place and efforts are made to improve it further.
- MOU with MNNIT, Allahabad is in progress

- Additional learning topics being taught beyond syllabus to face competition.
- Expert lectures were organized.
- Workshops by departmental societies were organized.
- GATE coaching classes
- BITWISE - JUET Programming HUB formed.
- Certification preparatory classes started.
- Mock interview/tests were organized on regular interval.
- Practice of technical tests on "Hacker Rank for Work"
- Consultancy & Testing rules are revised.
- Revised version of placement rules.
- Additional increment/monetary benefits to faculty & staff members based on their performance appraisal.
- Elective courses on statistical method, mathematical modelling and optimization are going to be offered.
- Close interaction by faculty & student of Civil Engineering Department in construction of four lanes NH - 3. It was a great learning experience for all.
- Capacity of communication lab has been enhanced by adding thirty four additional systems
- Attracting students from different states, countries and cultures

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	9		9	9
PG	10		10	10
UG	8		8	8
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	27		27	27

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	27
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
** Informal

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

> Yes, Course scheme of all B.Tech. Courses have been updated as per AICTE new guidelines. Course scheme of BSc Hons has also updated as per UGC CBCS guidelines

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
89	74	05	07	03

2.2   No. of permanent faculty with Ph.D.   59

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
0	0	0	0	0	0	0	0	0	0

2.4   No. of Guest and Visiting faculty and Temporary faculty   1

2.5   Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	6	9	0
Presented papers	3	7	0
Resource Persons	3	5	0

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

> I.   The University recruits highly qualified faculty having good teaching and research experience. Around 70% of the faculty members have doctorates from various reputed universities and most of the remaining faculty members are also pursuing their Ph.Ds., thus ensuring that quality education is imparted to the students.
> II.   All the lecture theatres are equipped with necessary teaching aids to improve teaching learning process, such as multimedia projectors, overhead projectors, power point facility and computers with internet facility.
> III.   Every student does a project in the final year of their curriculum by referring to the literature in the relevant area, does experimental / computational work, makes power point presentations and submits reports, thereby enhancing his/her writing and communication skills.
> IV.   The University has well equipped state-of-the-art laboratories which further supplement the subject knowledge to the students.
> V.   The whole curriculum is well designed which includes good range of elective subjects to enhance the competence level of the student in relevant areas.

VI) State-of-the-art library equipped with a large number of books, e-books, and journals which help students understand their subjects thoroughly beyond class room teaching.

VII) Continuous evaluation system through T1, T2 and T3 examinations and internal assessment through surprise quizzes, case studies and tutorials facilitate the students to transform into more sincere and punctual in day to day class room activities.

VIII) Provision of fast track semesters for the students who are placed in the companies who desire early joining.

IX) Moderation of question papers is done through a moderation committee constituted by the head of every department to ensure that

   (a) Questions asked are from the entire syllabus and

   (b) The question paper is balanced in terms of difficulty level and time allotted.

X) Grades for each subject are finalized by the grading committee constituted by the head of every department to avoid any discrimination and to bring more transparency in the evaluation system.

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

185

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

1. Continuous Evaluation
2. Fair & Transparent System

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

89		

2.10 Average percentage of attendance of students

75%

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	421	26.84	50.59	21.61	0.95	100
M.Tech	8	88	-	-	-	88
Ph.D	13	-	-	-	-	100

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

Student feedbacks, stakeholder interactions and academic audit have become formalized. The preparation of University academic calendar, course plans, remedial classes, and induction and orientation activities, mentoring processes, academic audit and career counselling activities is being monitored by IQAC on regular intervals.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	**12**
UGC – Faculty Improvement Programme	**2**
HRD programmes	**0**
Orientation programmes	**0**
Faculty exchange programme	**0**
Staff training conducted by the university	**1**
Staff training conducted by other institutions	**0**
Summer / Winter schools, Workshops, etc.	**24**
Others	**1**

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	71	Nil	Nil	Nil
Technical Staff	28	Nil	Nil	Nil

Criterion – III

3. Research, Consultancy and Extension

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

- The faculty members are motivated to indulge in research activities.

- The faculty members are motivated to supervise Ph.D. students.

- Faculty members are encouraged to submit research proposals to various funding agencies. Two project grants received and one sanctioned.

- 7 projects submitted during the period with total budget around Rs. 93 Lakhs.

- The faculty members encouraged to attend/ organise seminars, workshops and conferences.

- Faculty members are encouraged to pursue Ph.D. degrees. INFLIBNET facility to access e-journals is publicized.

- Visits of expert from reputed Institutions arranged to increase research environment in the University.

- LRC has upgraded Library Management System "Liberty" to "KOHA" – Open Source Integrated Library System.

- Membership of National Digital Library (NDL) has been granted to all the Faculty and Staff members of JUET.

- Subscription of Amazon cloud and infrastructure service for faculty members, research scholars and other students of the University

- Under Amazon AWS educate program each of our registered students is provided up to $100 support per year.

- Plagiarism related initiatives

  The University has undertaken various steps to educate the students and faculty members on higher education relating to plagiarism and associated issues such as collusion, data fabrication and cheating in research and published papers. These steps include taking special sessions on plagiarism by experts to the university students and faculty, communicating government orders and advices on the subject matter to the person concerned, conducting workshops and including the topic of research and publication ethics and plagiarism in every course undertaken by the students of the University.

- Initiatives for entrepreneurship cell

  Entrepreneurship cell sensitize the students of the university to carry on innovative ideas and convert them to the start-ups. It aims to foster and nurture talented young minds with a vision of creating new start-ups and to become an entrepreneur. The initiative of the entrepreneurship cells are organizing TEDx talks, conducting workshops, conducting various competitions amongst the students, industry experts talks with the aim of cultivating the research climate of the university.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	3	1	7
Outlay (in Rs. Lakhs)	0	24.87	4.20	92.65202

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	0	0	10
Outlay (in Rs. Lakhs)	0	0	0	14.31165

3.4 Details on research publications

	International	National	Others
Peer Review Journals	60	3	03
Non-Peer Review Journals	1	0	0
e-Journals	18	0	0
Conference proceedings	13	5	0

3.5 Details on Impact factor of publications:

Range 0.133 - 6.6 Average 1.09 h-index 8 - 139 Nos. in SCOPUS 22

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 (Lakhs)	Received (Lakhs)
Major projects	2	MPCOST, Bhopal	11.43	9.18
Minor Projects	0	0	0	0
Interdisciplinary Projects	0	0	0	0
Industry sponsored	0	0	0	0
Projects sponsored by the University/ College	0	0	0	0
Students research projects *(other than compulsory by the University)*	0	0	0	0
Any other(Specify)	0	0	0	0
Total	0	0	11.43	9.18

3.7   No. of books published i) With ISBN No. [1] Chapters in Edited Books [3]

ii) Without ISBN No. [0]

3.8 No. of University Departments receiving funds from

UGC-SAP [0]   CAS [0]   DST-FIST [0]

DPE [0]   DBT Scheme/funds [0]

3.9 For colleges   Autonomy [0]   CPE [0]   DBT Star Scheme [0]

INSPIRE [0]   CE [0]   Any Other (specify) [0]

3.10 Revenue generated through consultancy   [Rs. 1,64,605/-]

3.11 No. of conferences organized by the Institution

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

3.12 No. of faculty served as experts, chairpersons or resource persons [11]

3.13 No. of collaborations [4] International [0] National [4] Any other [0]

3.14 No. of linkages created during this year [1]

3.15 Total budget for research for current year in lakhs:

From Funding Agency   [60.0]

From Management of University/College [17.0]   Total [77.0]

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	1
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

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
2	0	1	1	0	0	0

3.18 No. of faculty from the Institution who are Ph. D. Guides 59

and students registered under them 75

3.19 No. of Ph.D. awarded by faculty from the Institution 13

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

JRF 26   SRF 0   Project Fellows 1   Any other 0

3.21 No. of students Participated in NSS events:

University level 0   State level 0

National level 0   International level 0

3.22 No. of students participated in NCC events:

University level 0   State level 0

National level 0   International level 0

3.23 No. of Awards won in NSS:

University level 0   State level 0

National level 0   International level 0

3.24 No. of Awards won in NCC:

University level 0   State level 0

National level 0   International level 0

3.25 No. of Extension activities organized

University forum 10   College forum 0

NCC 0   NSS 0   Any other 1

- Learning for life – The activity was organised by the students of JUET to educate poor and weaker section of society at nearby places of JUET (Rural areas) on Saturdays.

- Knowledge conclave at Lucknow in collaboration by Hindu group in association with JUET,Guna on 23, May 2018 - On the topic of Higher Education and New Age learning Pedagogy.

- Donation Drive to help needy people by DITSA which is an NGO in which some JUET students are executive members. JUET students and Faculty staff donate Clothes (Old & New), Stationary items etc.

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

Extension activities –

- On January 27, 2018 JUET Guna, conducted TEDx at JUET with great success and following eminent speakers were enlighten the young brains with their innovative thoughts and acts: Sir Syed Mohd Irfan Sahib, Broadcast journalist, Senior Producer, Rajya Sabha Television, Ms. Sanya Khurana, Software Developer at Adobe, Dr. Abhishek Srivastava, Dean and Prof. Dept. of computer Science, IIT-Indore, Mr. Aakash Ranison, Travel Blogger, Mr. Subin Sudhir, Assistant Professor (Marketing), Indian Institute of Management, Indore, Mr. Dikshit Mundra, Travel Photographer and Mr. Manak Gulati, CEO, Notesgen.
- Poster making competition with the theme "Indian Women in 2030" conducted on January 22, 2018.
- Lions Club officials organized an Eye Checkup Camp and checked the eyes of JUETians on November 30, 2017.
- A team of UGC nominees visited JUET, Guna on September 23, 2017 in connection with Swachhta Ranking of Higher Educational Institutions by Ministry of HRD, Govt. of India.
- Field Visits (Eight numbers).
- Academic Association with Amazon AWS Educate Program is approved under which each of our registered students is provided support upto $1000 per year.

Institutional Social Responsibilities –

- Orientation session on the topic-'I, me, myself and my career' was delivered to the students of Hindupat Public School, Raghogarh on 27th of June, 2018.
- International Yoga day was celebrated on June 21, 2018.
- World Environment Day was celebrated in the presence of Madhya Pradesh Pollution Control Board Officials on June 04, 2018.
- Lecture on 'Career Counselling' was delivered in Govt. School, Raghogarh, Guna on 21 May 2018.

- On Anti-Terrorism Day, An Oath against terrorism was taken by all faculty and staff members of the University on May 21, 2018
- Faculty members of the University participated in Career Counseling organized by District Administration, Guna for the students of five "School of Excellence" on May 21. 2018.
- Blood donation camp organized on March 10, 2018, sixty people participated and donated blood in the camp.
- JUET Students visited nearby schools of Raghogarh to celebrate republic day on 26th January, 2018
- JUET Students visited Raghogarh Govt. School to educate students on 20th January 2018.
- Students of Modern School, Guna visited the campus on January 04, 2018.
- Fifty girl students of Govt. Excellence Higher Secondary School, Raghogarh visited the campus on December 31, 2017. Shashkiya Uchchtar Madhyamik Vidhyalay, Ruthiyai visited the campus on December 30, 2017.
- Plantation drive outside the campus.
- JUET Students distributed clothes, toys and footwear in nearby schools and villages.
- JUET Students collected fund and donated to the cancer patients admitted in Jawaharlal Nehru Hospital, Bhopal

Criterion – IV

4. Infrastructure and Learning Resources

4.1   Details of increase in infrastructure facilities:

Facilities	Existing (Sq. Mt)	Newly created (Sq. Mt)	Source of Fund	Total
Campus area	140156.99 Sq.Mt	1768	Student Fee	141924.99 Sq.Mt
Class rooms	Lecture Theatres: 17 Class Rooms : 30	--	Student Fee	47
Laboratories	53	01	Student Fee	54
Seminar Halls	03	--	Student Fee	03
Value of the equipment purchased during the year (Rs. in Lakhs)	Not Applicable	6.07	Student Fee	6.07
Others (Cost of 1768 Sq. M. in Lakhs)	--	253.74	Student Fee	253.74

4.2   Computerization of administration and library

> The University has provided separate high configuration, desktop PCs to all the faculty and staff members with the printing and internet facility for teaching and office administrative work. HOD's are provided with individual multi functioning printer facility with a scanner.
>
> The University has provided centralized access of shared teaching, learning, research recourses for academic purpose. Setup is done to provide freeware software to all academic users from a centralized location on the server. The University has also provided centralized storage space on file servers to access their academic data for visualization and projection at Lecture Theatre.
>
> All the Desktop systems have also been connected to centrally accessed student information system for various academic related activities.
>
> The university has established Digital Library at Learning Resource Centre to access e generals and online available resources for faculty, staff and the student,
> The university has facilitated all students with dedicated LAN/ WiFi and internet connectivity for their own PCs.
>
> Campus ERP system - Campus Lynx is provided for the administration work with the fields of Student records, Finance and accounting software. Hostel wardens are also providing the access of the student information system for proper administration.

The University has facilitated all faculty members to prepare their own lecture presentation. Lecture theatres are equipped with multimedia projectors, audio video Facilities, visualisors for interactive teaching. Faculty members use power point presentation; excel spreadsheet, Videos and online database in lecture theatres which help the students to gain knowledge of subject with greater clarity of the concepts. Students are allotted assignments using this medium. Such activities not only enhance the learning outcomes, but also develop self confidence among students. Similar in many courses the quizzes are conducted online.

The university has deployed 22 servers running various applications, mainly File Server, Campus connects Server, Lotus Domino Server with latest firewall and network threat protection server at one centralized server room with 24X7 uninterrupted power supply and air conditioning.

The staff and students can access e-journals, e-books and resources from the library and from the internet facilities available in the campus. The quality of teaching learning process is enhanced through the utilization of online resources by faculty and students. Details on access to online resources.

Internet facility has been provided to Faculty, Staff and Students. The resources of Wikipedia dictionary, e-books, Google search, video tutorials and PPTs are used extensively by the students and faculty.

The policy is to provide access to websites, e-books, e-tutorials, PPTs, course material, webinars, virtual classroom lectures, e-mail, and other services. Web-access is also available for student examination results, grade sheets. Intranet and Internet links to video lectures, seminar proceedings, and digital library are also available.

LRC has upgraded Library Management System "Liberty" to "KOHA" – Open Source Integrated Library System. Membership of National Digital Library (NDL) has been granted to all the Faculty and Staff members of JUET.

4.3   Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	24604	10252093	579	272642	25183	10524735
Reference Books	6950	15655458	34	58663	6984	15714121
e-Books	5385	0	2000	0	7385	0
Journals	33	62781	13	17578	46	80359
e-Journals						
Digital Database	5	27659556	1386781	4	9	29046337
CD & Video	2018	0	41	0	2059	0
Others (specify)						
Back Vol	1086	0	119	0	1205	0
Project Report	1415	0	69	0	1484	0
Thesis	50	0	13	0	63	0

4.4   Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	825	552	1 Gbps + 8Mbps	30	NA	40	98	105
Added	15	15	NA	NA	NA	NA	NA	NA
Total	840	567	1 Gbps + 8Mbps	30	NA	40	98	105

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

1. July 21, 2017: Training program has been conducted for the students regarding Internet access, computer usage and overview of IT facility.
2. July 29, 2017: Training program of access of IRP has been conducted for the students.
3. August 26, 2017: Training to a group of students about configuring Wi-Fi on the devices.
4. May 10, 2018: General Awareness for IT users through mail about Countermeasures for PC.

4.6   Amount spent on maintenance in lakhs:

i)   ICT   68.73

ii) Campus Infrastructure and facilities   177.47

iii) Equipments   14.17

iv) Others   22.39

                                     Total: 282.76

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

I.	Interaction with VC
II.	Interaction with Registrar & Dean (SW)
III.	Interaction with Dean (A&R)
IV.	Interaction with IQAC Director
V.	Interaction with HOD's
VI.	Interaction with Wardens

5.2 Efforts made by the institution for tracking the progression

- After declaration of results, thrice in a semester performance of student are being monitored and remedial classes are being organized as per requirement and suitability. For students with humble background, special classes are being conducted by faculty member, where ever required.

- For students with low proficiency in English Language special classes have been organized.

- For students who are finding difficulty in clearing few subjects, summer course in different courses and summer training have been organized.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1519	09	65	Nil

(b) No. of students outside the state

990

(c) No. of international students

NIL

Men

No	%
1320	82.9%

Women

No	%
273	17.1%

Last Year (2016-17 Admitted)						This Year (2017-18 Admitted)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1503	57	2	366	00	1928	1254	40	03	296	00	1593

Demand ratio - 1:7   Dropout % - 1.4%

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

i). The students of the third year were given inputs on how to improve the analytical and logical aptitude for various competitive examinations through the course 'Logical and quantitative Techniques'

No. of students beneficiaries | 323

ii). Conducted Mock online tests for the third year students to prepare them for the realistic test environment by adhering to the time limit and total number of questions.

No. of students beneficiaries | 323

iii). Conducted Mock interview for the third year students, helped them to make the proper CV's and prepare them with soft skills.

No. of students beneficiaries | 323

iv). Network certification preparatory classes for Network Interest Group (NIG)

No. of students beneficiaries | 22

v). Special GATE classes were held for 4th Year CE students in the academic year 2017.

No. of students beneficiaries | 30

vi). Special GATE classes were held for 3rd Year and 4th Year ME students in the academic year 2017.

No. of students beneficiaries | 50

5.5 No. of students qualified in these examinations

| NET | Nil | SET/SLET | Nil | GATE | 24 | CAT | 2 |
| IAS/IPS etc | 2 | State PSC | Nil | UPSC | Nil | Others | 1 |

5.6 Details of student counselling and career guidance

Career counselling:

i. The students, at the time of the admission, are helped by the faculty member in choosing right stream. They are informed about the scope and nature of the various subjects that form the syllabus. The students are not pressurized in choosing the branches. They are given right kind of counselling which helps them to shape their career. The choice of the career and the doubts of the students are listened carefully and the solutions of the problems are provided.

ii. Personal & psycho-social counselling: The students during the course of their studies in the University come across various issues. They are, at times, too immature to handle the problems. A dedicated psychological counsellor has been appointed who provides them personal counselling. The candidates at times come face to face with certain social issues or problems which tend to bring the inferiority complex in them. The counsellor makes it sure that no such deterioration happens with the psychosocial understanding of the students. They are counselled to become better human beings and advised to stand tall for the social cause.

iii. Formal sessions for the students in career counselling, career identification are also held. Individual guidance is also provided by Training and Placement Cell. Students are also guided to draw their strategies to succeed in Campus placement.

iv. Leadership skills: Various wings of JUET youth club are coordinated by students under the supervision of faculty coordinators. Students display high level of leadership skills in organizing mega activities round the year.

Soft Skill Development:

I. Communications Skills: In order to inculcate effective communication skills a three credit CORE course on Presentation & Communication Skills is being imparted, across all engineering branches, during first year of B.Tech curriculum.

II. English Language: On the basis of marks obtained by student in English subject in Class X & XII examination, medium of school education and performance of students in Communication skills course, approximately 70-80 students are being identified every year during the first year, for which an English (Audit) course is being run during 1st year of B.Tech curriculum.

III. Language Lab: With the objective of providing practical exposure to the students for improving their communication skills, a state of art English Communication language laboratory (Language lab) has been established. B.Tech Ist year students are given hands on experience (batch size 30 students) to develop & sharpen their speaking, listening, reading and writing skills through audio-video facilities available in the language lab. To enhance the employability of students, mock drills for campus recruitment preparation, is conducted regularly for final & pre-final year students. Remedial classes are organized for weak students on regular basis.

IV. The department of HSS is actively engaged in the training of the B.Tech students related to the campus recruitments. All the third year students were given aptitude training. Besides the department also conduct mock online test that help the aspiring students to practice and learn important concepts related to campus recruitment.

V. The student counselling and carrier guidance is done through mentor-mentee programme and individual student career guidance for all year students

No. of students benefitted | 400

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
49	295	545	12

5.8 Details of gender sensitization programmes

> 1. Poster Presentation on Women empowerment.
>
> 2. Self Defence Classes.
>
> 3. Interaction on Gender Sensitization.

5.9 Students Activities

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

State/ University level 70   National level Nil   International level Nil

No. of students participated in cultural events

State/ University level 250   National level Nil   International level Nil

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

Sports: State/ University level 70   National level Nil International level Nil

Cultural: State/University level 50   National level Nil International level Nil

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	00	00
Financial support from government	64	Rs. 19,85,000/-
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 [Nil] International level [Nil]

Exhibition: State/ University level [05] National level [Nil] International level [Nil]

- World Environmental Day 4th June 2018.

- An oath-taking ceremony on Anti-Terrorism Day was organised on the premises of Jaypee University of Engineering & Technology, Guna.(21 May 2018).

- "Blood Donation Will Cost You Nothing But It Will Save A Life!" "If You're A Blood Donor, You're A Hero To Someone, Somewhere, Who Received Your Gracious Gift Of Life." "A Life May Depend On A Gesture From You, A Bottle Of Blood." "The Finest Gesture One Can Make Is To Save Life By Donating Blood."
  Blood donation camp at JUET, Guna on **10/March/2018.**

- Run for unity event organized at JUET , Guna on 31Oct. 2017 in the memory of Sardar Vallabhbhai Patel , the Iron man.The massive participation in the Run for Unity shows that youth remembers him and his contributions both before and after Independence.

- Swachh Bharat Abhiyan was conducted at JUET, Guna on 17th September, 2017.

- International Yoga day celebration at Jaypee University of Engineering & Technology, Guna, 21 June 2017.

5.12 No. of social initiatives undertaken by the students   [04]

1. Learning for life – The activity was organised by the students of JUET to educate poor and weaker section of society at nearby places of JUET (Rural areas) on Saturdays.

2. Donation Drive to help needy people by DITSA, a NGO in which some JUET students are executive members. JUET students and Faculty staff donate Clothes (Old & New), Stationary items etc.

3. "Blood Donation Will Cost You Nothing But It Will Save A Life!" "If You are A Blood Donor, You are A Hero To Someone, Somewhere, Who Received Your Gracious Gift Of Life." "A Life May Depend On A Gesture From You, A Bottle Of Blood." "The Finest Gesture One Can Make Is To Save Life By Donating Blood."

   Blood donation camp held at JUET, Guna on 10/March/2018.

4. "Is cleaning only the responsibility of the karamcharis? Do citizens have no role in this? We have to change this mindset." Swachh Bharat Abhiyan held at JUET, Guna (17/9/2017).

5.13 Major grievances of students (if any) redressed:

Major grievances of students (if any) redressed: Students were given help by JUET administration, faculty and staff to make particular event successful. JUET had given transportation facility (University Buses and Vehicles) for each activity to increase no. of students participation in rural areas.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

> **Vision:**
> "Playing a pivotal role to enable the country and state of Madhya Pradesh, in particular, in developing high calibre trained manpower in the frontier areas of Technologies".
>
> **Mission:**
> "To make the university a '**Center of Excellence**' in the field of Engineering and Technology with highly developed infrastructure, excellent faculty with an international outlook and active interaction with the industry".

6.2 Does the Institution has a management Information System

> Yes, University have an Information System like:
> - Campus connect (all the activities relating to all the departments like Counselling and Admission),
> - OPAC (LRC),
> - Lotus Notes (mailing system),
> - Webkiosk (Student Information System).
> - Financial Accounting System
> - Purchase / Receiving / Inventory

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

6.3.1 Curriculum Development

> On the basis of Feedback from all stakeholders, University periodically modified course structure; teaching-learning methods, examination reforms, knowledge management, etc. are taken up through departmental board of studies and subsequently by Academic Council.

6.3.2 Teaching and Learning

> Mission of becoming centre of excellence for teaching and learning by student-centric processes, trust & transparency, autonomy and impartiality university adopts e-learning like NPTEL, Online Quiz, A/v facility, field visit, minor and major projects, departmental and open electives courses, student interaction monitoring, mentoring, mock interviews, technical societies, GATE classes, and campus recruitment training program.

6.3.3   Examination and Evaluation

> Examination and Evaluation according to Ordinance clauses which ensures accountability and evaluation through IRP tools.

6.3.4   Research and Development

> University have following research and development faculty:
> - Computer labs equipped with latest configurations and Research tools.
> - Cement Research and Development Centre (CRDC),
> - Wind Engineering Application centre (JP-WIND CENTRE),
> - Advanced Manufacturing Laboratory (AML)
> - Housed with Rapid Prototyping, Operating Thermal Simulator (OTS).

6.3.5   Library, ICT and physical infrastructure / instrumentation

> LRC offers inter-library loan service to research scholars and other users through DELNET, under this service if any books and articles are not available in LRC, we procured that desired document from 5300 member libraries of DELNET.

6.3.6   Human Resource Management

> Growth of human resources in accordance with development of existing human resources through conferences, workshops, faculty development programs, both in-house as well as of other institutions, and interaction with outside experts.

6.3.7   Faculty and Staff recruitment

> Scientific recruitment and selection: Candidates with necessary academic qualification and with teaching and research aptitude are recruited as faculty members, as per approved University guidelines. Vacancies and advertisements are being published in national dailies.

6.3.8   Industry Interaction / Collaboration

> Improve interaction with industry, community and other stakeholders.
> - Training & Placement, Research and Development, Consultancy activities in University.
> - MOUs and collaborations with institutions/industries like CSIR, CAIR, University of Florida. MNNIT Allahabad etc.

6.3.9   Admission of Students

<div style="border:1px solid">

B. Tech. (Bachelor of Technology) programmes

- Minimum qualification for admission to the first year B.Tech. shall be the qualifying higher secondary school certificate examination (10+2) scheme with Physics, Chemistry and Mathematics conducted by CBSE, New Delhi, Board of M.P., or an equivalent examination from a recognized Board.
- For JEE based admission, candidates seeking admission are required to submit JUET application form with all necessary information along with JEE roll no., and score of JEE(Main) as declared by CBSE. Candidates satisfying eligibility criteria are called for counseling.

B.Tech. (Lateral Entry):

- A candidate who has qualified the polytechnic diploma course/B.E./B.Tech. – Ist Year in related branch of engineering or B.Sc. – 03 Yrs degree course with Physics, Chemistry and Mathematics from any recognized university, technical board or equivalent shall also be eligible for admission to B.Tech. – IInd Year through Lateral Entry process.

M. Tech. Programmes

- The admissions to these programmes are based on merit drawn on the valid GATE Score of the students who fulfil the eligibility criteria or through Postgraduate Entrance Test conducted by the University.

Ph. D. Programmes

- The admission to available seats in Ph.D. programmes is made through an all India entrance test conducted by the University in accordance with the UGC instructions and guidelines of 2009 on the subject. Candidates, who fulfill the minimum eligibility criteria, are required to take the written test. The shortlisted candidates are thereafter put through an interview.

</div>

6.4   Welfare schemes for

Teaching	Loan facility, Medical, Group Insurance, LTA, Gratuity & Provident Fund (PF), Employee children's benefits after five years of service, water supply, electricity supply, Garbage disposal, STP.
Non teaching	Loan facility, Medical, Group Insurance, LTA, Gratuity & Provident Fund (PF), Employee children's benefits after five years of service, water supply, electricity supply, Garbage disposal, STP.
Students	Loan facility, Group Insurance Seats quota for primary& secondary education, Fee Relaxation for higher studies.

6.5   Total corpus fund generated   Rs. 50,000,000/-

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	HOD/Dean
Administrative	1. Yes 2. Yes	Ravi Rajan & Co., New Delhi (Quaterly) Ashok Jain, Dass Gupta & Associates New Delhi (Annual)	Yes	HOD/CFAO/ Registrar

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 reforms along with curriculum development are taken up through departmental board of studies and subsequently by Academic Council.
- Board of studies and Academics Council meets twice in an academic year.

6.10   What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?   Not Applicable.

6.11   Activities and support from the Alumni Association

JUET Alumni Association (JAA) comprises of faculty members and few distinguished alumni which maintains database of alumni. JUET Alumni Association (JAA) promotes and encourages the alumni to exchange professional knowledge and career advancement through regular interaction with the alumni. Last alumni meet was held on Feb 18, 2018.

6.12   Activities and support from the Parent – Teacher Association

University have a regular interaction with the parents regarding their ward performance in academics as well as non-academic activities. If required, University also has grievance redressal cell headed by Dean (A & R).

6.13 Development programmes for support staff

> Staff of the University participates in the various activities such as Refresher Courses, Orientation Programmes, Staff Training Conducted by the university, Staff Training Conducted by other institution, summer /winter schools, workshops etc.

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

- Lush green campus
- Eco-friendly campus with efficient water harvesting and energy saving mechanism in place.
- Sewage treatment plant (STP-handling capacity of 1500 cubic meter/day)
- Recycling of the domestic waste water
- Reduced dependence on artificial lighting
- E-waste management and carbon neutrality
- Solar water heaters is being used
- Encouragement towards paperless practice

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.

> In addition to the existing innovations and best practices, following practices have been introduced during this academic year which would be helpful in creating a positive impact on the functioning of the University:
> 1. Introduction of GATE coaching classes to facilitate aspiring B.Tech 3rd and 4th year students.
> 2. Up gradation of LRC from Library Management System "LIBERTY" to "KOHA" – Open Source Integrated Library System.
> 3. Granted membership of NDL to all faculty and staff members.
> 4. Registration of JUET Alumni Association on March 21, 2018 under Madhya Pradesh Society Registration Act 1973.
> 5. Introduction of mock interview / tests for B. Tech III and IV year students to enhance their employability.
> 6. Strengthening of feedback mechanism from various stakeholders such as subject experts and industry on curriculum.
> 7. Conduct of Expert Lectures and Workshops to enable students think beyond class-room teaching.

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

> 1. Lift has been installed to facilitate differently- abled persons.
> 2. More emphasis was laid on student teacher interaction.
> 3. Extra classes were conducted in evening hours for weak students.

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

> 1. Effective Teaching – Learning system for better Academic Standards.
> 2. To enhance research potential in students and faculty members.
>   Details are attached in Annexure ii.

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

7.4   Contribution to environmental awareness / protection

> To commemorate the World Environment day, Environment day function was held on June 4, 2018 aiming to create awareness towards environment in which saplings were planted by various faculty and staff members, also it was appealed to do away with plastics in day to day life.

7.5   Whether environmental audit was conducted?   Yes [   ]   No [√]

7.6   Any other relevant information the institution wishes to add.
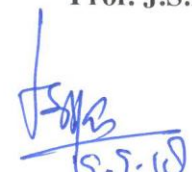
> No

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

- More inputs from stake holders for designing curriculum
- Industry oriented curriculum and implementation
- More short time value added programs to be conducted
- Education resource within the framework of syllabus need to be developed
- Efforts for improvements in Admissions
- Attracting students from different stage, countries and cultures
- Improving research environment and fund generation through extra-mural research grants and consultancy
  - Improvement in consultancy work
  - Offering consultancy in advanced technology solutions in solving community problems especially energy, ecology and environmental issues
  - Industries sponsored projects
  - Effective interaction in interdisciplinary areas for submitting projects to Govt. Bodies
  - Signing more MoUs with leading academic institutions / industries along with corporate training, consultancy and placements.
- More emphasis on collaboration with national/international institution for carrying out interdisciplinary research
- Publication of papers in reputed national and International journals are to be enhanced
- Participation of faculty in FDPs, workshop and conferences to be encouraged
- LRC
  - Continuous upgrade of digital library
  - Library resources needs to be further augmented

Prof. Shishir Kumar

Signature of the Coordinator, IQAC

Prof. J.S.P. Rai

Signature of the Chairperson, IQAC

***

Visits of prominent dignitaries for beyond syllabus discussions

S. No.	Date	Name of Speaker	Designation	Organization
1	August 13 - 19, 2017	Dr. Carsten Mueller	Technical Consultant	Nuremberg Airport, Germany
2	September 01 - 04, 2017	Mr. Ranjeet Eldow	Trainer	Freelancer
3	September 11 - 13, 2017	Dr. Shivani Kapoor	Trainer	NDIM
4	November 18 - 19, 2017	Mr. Manu Kuchhal	Director	Wipro
5	November 20. 2017	Dr. Rajeev Tripathi	Director	MNNIT, Allahabad
6	December 26. 2017	Dr. Ganesh Anant Hegde	Deputy Advisor	NAAC
7	January 07. 2018	Mr. Jayesh KR	Associate Consultant	TCS
8	February 17. 2018	Mr. Amit Pandey	COO	Exicom Tele System Ltd.
9	February 23. 2018	Prof. Ajay Rana	Director	Amity University
10	March 24. 2018	Mr. Kushagra Damodar Varade	Software Engineer	Robus Test
11	March 24. 2018	Mr. Pankaj Jain	NGE Delivery PMO	Infosys
12	April 06, 2018	Dr. Sunil K. Somani	Vice Chancellor	Medicap University, Indore
13	April 07 - 08, 2018	Akash Deep Nain	Software Engineer	Google
14	April 14. 2018	Apporv Dubey	Team Leaders	Central Labs
15	April 14. 2018	Abhishek Singh	Team Leaders	Jombay Pvt. Ltd.
16	April 27. 2018	Mr. Mukesh Tiwari	DGM	MahindraTwo Wheelers Ltd.

Practice I

1. **Title of the Practice**

   Effective Teaching –Learning system for better Academic Standards.

2. **Objectives of the Practice**

   To create a student-centric learning environment and systems to enable students to realize their full potential and graduate with adequate professional competence required by the present day technologically advanced multinational industry.

3. **The Context**

   - Quality of teaching is the basic requirement in overall teaching learning process which can only be maintained through highly qualified faculty members. Hence learned faculty with vast teaching and research experience is of utmost importance in an effective teaching learning process.

   - Effective design of curriculum is also the need of the hour for an effective teaching learning process.

   - Lecture theatres should be well equipped with all modern teaching aids to make the lectures more interactive.

   - Laboratories should be well equipped with a wide variety of experiments.

4. **The Practice**

   - The University recruits highly qualified faculty having good teaching and research experience. Around 70% of the faculty members have doctorates from various reputed universities and most of the remaining faculty members are also pursuing their Ph.Ds., thus ensuring that quality education is imparted to the students.

   - All the lecture theatres are equipped with necessary teaching aids to improve teaching learning process, such as multimedia projectors, overhead projectors, power point facility and computers with internet facility.

   - Every student does a project in the final year of their curriculum by referring to the literature in the relevant area, does experimental / computational work, makes power point presentations and submits reports, thereby enhancing his/her writing and communication skills.

   - The University has well equipped state-of-the-art laboratories which further supplement the subject knowledge to the students.

   - The whole curriculum is well designed which includes good range of elective subjects to enhance the competence level of the student in relevant areas.

   - State-of-the-art library equipped with a large number of books, e-books, and journals which help students understand their subjects thoroughly beyond class room teaching.

- Continuous evaluation system through mid semester examination, end semester examination, surprise quizzes and tutorials facilitate the students to transform into more sincere and punctual in day to day class room activities.

- Provision of fast track semesters for the students who are placed in the companies who desire early joining.

- Moderation of question papers is done through a moderation committee constituted by the head of every department to ensure that (a) questions asked are from the entire syllabus and (b) the question paper is balanced in terms of difficulty level and time allotted.

- Grades for each subject are finalized by the grading committee constituted by the head of every department to avoid any discrimination and to bring more transparency in the evaluation system.

5. **Evidence of Success**

- Better attendance in class rooms.

- Improved pass percentage.

- Improvement in Communication and Presentation skills.

- Better placement records.

- Better performance in various competitive exams like GATE, GRE etc.

- Word of mouth publicity through successful Alumni.

- Collaboration with the University of Florida provides opportunity to the bright aspiring students to spend last one year at their campus.

- Almost every year, few students are placed at exceptionally high packages.

6. **Problems Encountered and Resource Required**

- Extra efforts are required for the students who come from Hindi medium background.

- Difficulties in retaining faculty due to its remote location in spite of availability of all the basic amenities in the campus round the clock.

- Better road conditions to improve better admission and retention of students and faculty.

Practice II

1. **Title of the Practice**

   To enhance research potential in students and faculty members.

2. **Objectives of the Practice**

   To create favourable research environment for carrying out quality research and to achieve excellence in research with the following aims:
   - To produce more number of Ph.Ds. in various disciplines.
   - To have more number of publications in SCI journals.
   - To get research projects from various sponsoring agencies.

3. The Context

Excellent infrastructure with outstanding research facilities and conducive research environment are the two foremost pre-requisites for carrying out good quality research. Also the faculty members need to be creative and innovative in their approach towards research activities and should possess holistic idea about their area of work / field of specialization.

4. The Practice

- The university encourages the faculty members and students to publish research papers, attend national / international conferences and to carry out consultancy work. Financial support is provided to the extent possible to those who present papers in national and international conferences.

- Access to online journals in different engineering and science fields helps the faculty and students to carry out their research work efficiently.

- It is mandatory for all the research scholars (registered for Ph.D.) to give a presentation at the end of every semester where the valuable suggestions given by DPMC(Doctoral Programme Monitoring Committee) members regarding their work further boosts the quality of research work, by attending to mid-course connections if any.

- Financial assistance is provided to those research scholars who need experimental set-ups for their Ph.D. work.

- Doctorate degree is awarded only after the rigorous review of the thesis by two potential examiners (one from India and other from abroad) specialized in that particular area of work.

- The University also publishes its own journal "JUET Research Journal of Science and Technology".

- The University also addresses the issue of plagiarism by continuously motivating the research scholars and faculty members to do good and innovative work.

5. Evidence of Success

- Considerable increase in the number of Ph. D. holders in the University in the last few years.

- Enhancement in the number of papers published by the faculty members.

- Increase in the number of papers presented in national and international conferences by faculty members and students.

- Some faculty members have also bagged projects from various sponsoring bodies like DST, CSIR, DRDO and MPCST, etc.

- Some of the faculties have received recognitions in National Science and Engineering bodies due to their subject expertise and contribution.

- Continuous good research has helped some of the faculties, become reviewers for journals of good repute. Few of the faculties are also in the editorial boards.

6. Problems Encountered and Resource Required

Due to the remote location of the University research scholars sometimes face difficulties in carrying out some complex experiments which require lot of outside support for fabrication. Also due to the shortage of some sophisticated expensive testing machines and measuring equipment required for the research in various disciplines scholars have to visit nearby premium institutes for getting their work done. Both these problems finally result into an unnecessary delay.

JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY
A.B. ROAD, RAGHOGARH, GUNA (M.P.)

ACADEMIC CALENDAR ODD SEM 2017 (Revised)
JULY 2017 to DEC 2017, A.Y. 2017-18

July 17							August 17							September 17						
Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su
31					1	2		1	2	3	4	5	6					1	2	3
3	4	5	6	7	8	9	7	8	9	10	11	12	13	4	5	6	7	8	9	10
10	11	12	13	14	15	16	14	15	16	17	18	19	20	11	12	13	14	15	16	17
17	18	19	20	21	22	23	21	22	23	24	25	26	27	18	19	20	21	22	23	24
24	25	26	27	28	29	30	28	29	30	31				25	26	27	28	29	30	

October 17							November 17							December 17						
Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su
30	31					1			1	2	3	4	5					1	2	3
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31

Registration for all old students for all courses	: 17th July 2017
(Except B.Tech Final Year Students)Commencement of classes for all old students	: 18th July 2017
Registration for all new students (all courses)	: 20th July 2017
Orientation Programme for all new students	: 21st July 2017
Commencement of classes for all new students	: 22nd July 2017
Registration for B.Tech Final Year Students	: 24th July 2017
Commencement of classes for B.Tech Final Year Students	: 25th July 2017
Ph.D Registration/ DPMC Meeting	: Within 15 days from the date of Registration
Last date of Registration for old students (with late fee of Rs. 500/-)	: 24th July 2017 (Except Final Year) 31st July 2017 (For Final Year)
Last date of amendment in registered course(s)	: 31st July 2017 (Except Final Year) 1st August 2017 (For Final Year)
Summer Internship (Ind. Trg.) Reports & Notices	: 12th August 2017
Test I (T-1) (5 days)	: 4th September to 8th September 2017
Showing of Answer Scripts of T1 to Students & Declaration of Result of T-1	: 15th September 2017
Mid Term Seminar of projects by Final Year B.Tech & All M.Tech students	: 18th to 23rd September 2017
Practical Examinations (P1)	: 9th October to 14th October 2017
Deepawali Vacation for Students & Faculty	: 16th Oct to 21st October 2017 (6 days)
Test 2 (T-2) (5 days)	: 23rd October to 27th October 2017
Showing of Answer Scripts of T2 to Students & Result of T2	: 8th November 2017
Mid Term Project Viva for all (HODs to issue schedule)	: 6th November to 11th November2017
Submission of Projects by all	: 25th November 2017
Conclusion of Class for all Courses	: 25th November 2017

Practical Examinations (P-2) & End Semester Examinations	: 27th November to 9th December 2017
Test 3 (T3)	
Students Feed Back	: In days of P-2
Project viva-voce of Final Year students	: 27th November to 9th December 2017
Winter vacation for students	: 10th Dec 2017 to 25th December 2017
End Semester Presentation of Ph.D. Scholars	: 11th December to 15th December,
Showing of Answer Scripts of T-3 to students	: Till 13th December 2017
Submission of Answer Scripts with grade sheet of T-3	: Till 15th December 2017
Submission of grades of Project viva-voce of B.Tech/M.Tech	: Till 15th December 2017
Submission of question paper for Supplementary Examination	: 16th December 2017
Result finalization meeting	: 16th December, 2017
Declaration of Semester Result by the Registrar	: 16th December, 2017
Semester Declared closed	: 17th December 2017
Faculty Vacation	: 18th Dec, 2017 to 23rd December 2017 (6 days)
Registration for Supplementary Examination (SEs)	: 17th December to 19th December 2017
Supplementary Examination	: 21st Dec to 23rd December 2017
Registration for Next Semester	: 26th December 2017
Commencement of classes	: 27th December 2017
Submission of SEs Result by the Course Coordinator	: 30th December 2017
Declaration of SEs Result by the Registrar	: 31st December 2017

LIST OF HOLIDAYS FOR STUDENTS

Raksha Bandhan	:	**7th August, 2017**
Shri Krishna Janmashtami (Vaishnava)	:	**14th August, 2017**
Independence Day	:	**15th August, 2017**
Dussehra	:	**30th September, 2017**
Mahatma Gandhi Jayanti	:	**2nd October 2017**

Note: (1) Schedule of P-2 and T-3 will be announced separately.

(2) No mid-semester and Winter Vacation for Teaching Assistants, JRFs, Project Staff, Ph. D. Scholars is applicable. They will be entitled gazetted holidays only in accordance with faculty/staff's leave calendar.

Registrar & Dean (SW)

🟨	Examinations (T1,T2 & T3)
🟩	Holidays & Mid Sem Break
🟦	Practical Examinations
🟥	Sundays

JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY
A.B. ROAD, RAGHOGARH, GUNA (M.P.)

ACADEMIC CALENDAR EVEN SEM 2018
DEC 2017 to MAY 2018 A.Y. 2017-18

December 17							January 18							February 18						
Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3	1	2	3	4	5	6	7				1	2	3	4
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31					26	27	28				

March 18							April 18							May 18						
Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4	30						1		1	2	3	4	5	6
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31			

Registration for all Ph.D. /M. Tech./M.Sc/B.Tech./B.Sc	: 26th Dec, 2017
Commencement of classes	: 27th Dec, 2017
Last date of Registration (with late fee)	: 30th Dec, 2017
Last date for amendment in registered course(s)	: 6th Jan, 2018
Test 1 (T-1) (5 days)	: 30th Jan to 3rd Feb 2018
Showing of Answer Scripts of T1 to Students & declaration of Result of T-1	: 10th February 2018
Mid Semester Break (Holi) Students & Faculty	: 26th Feb to 5th Mar 2018
Mid Term Seminars of Projects (HODs to issue schedule)	: 5th Mar to 10th March 2018
Practical Examination (P-1) [HODs to issue schedule]	: 12th Mar to 17th March 2018
Test 2 (T-2) (5 days)	: 19th Mar to 23th Mar 2018
Showing of Answer Scripts of T2 to Students & declaration of Result of T-2	: 30th March 2018
Mid Term Project Viva for all (HODs to issue schedule)	: 9th Apr to 14th April 2018
Project Allocations for next Semester	: 20th Apr 2018
Submission of Projects by all	: 5th May 2018
Conclusion of Class for all Courses	: 5th May 2018
Practical Examinations (P-2)	: 7th May to 12th May 2018
Students Feed Back	: 7th May to 12th May 2018
End Semester Examination (Test-3) (6 days)	: 14th May to 19th May 2018
Summer Course (Part-II)	: 21st May to 4th June 2018
Summer Vacation (except final year students of B. Tech/	: 20th May to 15th July 2018
M. Tech & Training for III years students.Project Viva-Voce of B.Tech./M.Tech. final year students	: 21st May to 26th May 2018.
End Semester Presentation of Ph.D. Scholars	: 21st May to 30th May 2018
Showing of Answer Scripts of T3 to students	: Till 25th May 2018
Submission of Answer Scripts with grade sheet of T-3	: Till 26th May 2018
Submission of Grades of the Semester	: Till 26th May 2018
Submission of grades of Project Viva-Voce of B.Tech./M.Tech. final year students by the Departments/HODs	: Till 26th May 2018
Result finalization meeting	: 28th May 2018
Declaration of Semester Result by the Registrar	: 28th May 2018
Semester declared closed	: 29th May 2018
Faculty Vacation	: 31st May to 7th July 2018

Registration for Supplementary Examinations with deposition SEs Fees	: 7th May to 10th May 2018
Supplementary Examination (Lab, Odd Semester courses)	: 21st May to 24th May 2018
Supplementary Examination (Lab, Even Semester courses)	: 31st May, 04th June 2018
Supplementary Examination (Theory)	: 02nd June to 04th June 2018
Submission of SEs Result by the Course Coordinators	: 14th July 2018
Declaration of SEs Result by the Registrar	: 14th July 2018
Registration for Next Semester for old students	: 16th July 2018
Registration for new students	: 09 July, 2018.

LIST OF HOLIDAYS FOR STUDENTS

Republic Day	: 26th Jan, 2018 (Friday)
Maha Shivratri	: 14th Feb, 2018 (Wednesday)
Holi	: 2nd Mar, 2018 (Friday)
Ram Navmi	: 25th Mar, 2018 (Sunday)
ODD Sem Winter Vacation for faculty	: 18th Dec – 23rd Dec. 2017 (6 days)

Note: No mid-semester and Summer Vacation for Teaching Assistants, JRFs, Project Staff, Ph. D. Scholars is applicable. They will be entitled gazetted holidays only in accordance with faculty/staff's leave calendar.

Registrar & Dean (SW)

🟨	Examinations (T1,T2 & T3)
🟩	Holidays & Mid Sem Break
🟦	Practical Examinations
🟥	Sundays