



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		JAYPEE UNIVERSITY OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution		Prof. J.S.P. Rai
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		07544267310
Mobile no.		9997974949
Registered Email		contact@juet.ac.in
Alternate Email		shishir.kumar@juet.ac.in
Address		Jaypee University of Engineering & Technology Post Box No. - 1, A.B. Road, Raghogarh,
City/Town		Guna
State/UT		Madhya Pradesh

Pincode	473226																		
2. Institutional Status																			
University	State																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Prof. Shishir Kumar																		
Phone no/Alternate Phone no.	07544267003																		
Mobile no.	9826711482																		
Registered Email	shishir.kumar@juet.ac.in																		
Alternate Email	dr.shishir@yahoo.com																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://www.juet.ac.in/NAAC/AQAR2017-18.pdf																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.juet.ac.in/NAAC/JUET-Academic%20Calender%202018-19.pdf																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.06</td> <td>2016</td> <td>05-Nov-2016</td> <td>04-Nov-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.06	2016	05-Nov-2016	04-Nov-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.06	2016	05-Nov-2016	04-Nov-2021														
6. Date of Establishment of IQAC	01-Aug-2016																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by	Date & Duration		Number of participants/ beneficiaries																

IQAC		
Internal Quality Assurance Cell (IQAC) Meeting	25-Apr-2019 1	17
Annual Quality Assurance Report (AQAR) submission to NAAC	10-Oct-2018 1	90
Participation in NIRF	05-Dec-2018 1	1397
Review of Result Test-1 (Odd Semester)	14-Sep-2018 1	19
Review of Result Test-2 (Odd Semester)	01-Nov-2018 1	16
Review of Odd Semester Result	17-Dec-2018 1	14
Review of Result Test-1 (Even Semester)	22-Feb-2019 1	16
Review of Result Test-2 (Even Semester)	15-Apr-2019 1	17
Review of Even Semester Result	01-Jun-2019 1	12
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
CISCO	CISCO Network Academy	CISCO	2019 365	0
NME-ICT Program of Ministry of HRD	Remote Center(IIT Bombay)	MHRD	2018 365	0
NME-ICT Program of Ministry of HRD	Virtual Lab (IIT Delhi)	MHRD	2019 365	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

1

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional

Yes

website	
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)	
<ul style="list-style-type: none"> • Initiation of minor specialization in all branches of B.Tech. Program, add on of credit course on Environmental Science (2 Credits) • Initiation of project based learning approach with selective courses • Inclusion of course on Logical and Quantitative Techniques for better placements of students. • Initiation of CCNA and InfyTQ certification program, Virtual lab collaboration with IIT Delhi • Extension of summer vacation for students to have a longer duration of summer internship and to make them away from scorching heat of Madhya Pradesh • Establishment of few more student societies (BOTNET and Society of Automotive Engineers at JUET) • Teachers feedback form for quality enhancement additives 	

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
New B.Tech Curriculum with Minor Specializations	Implemented it by offering Minor Specialization with 20 additional credits
Further enhancement in Recognition/Collaborations	Academic Association with Amazon Web Services (AWS) from July, 2018 • 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 • Collaboration with Virtual Lab, IIT Delhi to establish Nodal Center at JUET • Based on CodeChef Coding Platform for Long Challenges JUET is ranked 34th in India by www.scriptguru.com (as on 31st December 2018) • CISCO Academy established in December 2018 First batch is registered and continuing with program
Signing more MoUs with leading academic institutions	MOU signed with MNNIT, Allahabad, on August 16, 2018
Continuous updation of digital library	More than 5000 online magazines and newspapers subscribed Magzater Digital Pvt. Ltd. Gold subscription plan. • Two new online eresources (IET Digital Library and IEEE Computer Science

	Digital Library) added as e-journals and online conference proceeding. • LRC integrated email and SMS configuration for the Issue, Return, and Reservation and Overdue intimation of books.
More patents to be filed	Two patents filed during the period
Benefits to stake holders	Accidental death insurance: One student (Satyarth Singh_161E035) benefited under this policy with Rs. 10 Lacks each, during the reported period, Students' Medclaim (For treatment of injuries due to accidents), Six students benefited (up to Rs. 50000/), Faculty and Staff Covered with group Medclaim Policy (with self contribution)
Faculty Seminars Initiation	Faculty seminars are re-initiated in month of September 2018. Every department is organizing at least one faculty seminar in every month
English Communication development	Communicative English skill development in place and efforts are being made to improve it further
Subject offered for improvement in company placements	Apptitude
Additional learning topics beyond syllabus to face competition	Expert talks, Workshops by departmental societies, GATE Coaching Classes, BITWISE - JUET Programming HUB, Computer Network training (for CISCO Certification), Mock interviews/ tests, Practice of technical tests on "HackerRank for Work "
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Board of Management	01-Nov-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2019
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Date of Submission	25-Jan-2019
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<p>17. Does the Institution have Management Information System ?</p>	<p>Yes</p>
<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>JUET has a 'CampusLynx' highly modular and scalable Enterprise Resource Planning (ERP) solution as a tool to manage various activities of student and university as a whole. This tool is utilized to manage various activities for the trouble free functioning of the university at various levels. It helps in counseling and creates and maintains huge data at a place, this data is utilized for various other inputs for numerous platforms. It is a key platform to keep all necessary information related to students. This tool is explored to its fullest at many junctures of activities. It is utilized to maintain daily attendance of all courses of theory, practical, project, seminar, etc. Parents of the students can monitor activities, attendance, marks, fee dues, etc. of their ward online by using their own passwords. Regular monitoring helps the parents to know the punctuality of their child towards academics. CampusLynx is fully utilized to conduct all kinds of examinations in university throughout the academic year. It helps to formulate date sheets, seating plans for students, invigilation duties for invigilators. Eventbased dual marks entry system, Grade calculation - CGPA/SGPA calculation, the printing of grade/mark sheet is successfully done the CampusLynx. All these error free exam activities are successfully conducted by the ERP tool i.e. CampusLynx. WebKiosk is another attractive and useful feature of CampusLynx. All the users are having a separate login ID and password to access the kiosk. Fee collection is always a routine careful procedure done twice in a year by using the CampusLynx. The pay and allowances of all employees including tax calculations is also done through it. Daily attendance of all the employees is also done by CampusLynx linked through biometric sensors to mark them present. All leave details of the employees are also stored efficiently by using CampusLynx. Many other activities are also monitored and</p>

Part B

CRITERION I – CURRICULAR ASPECTS**1.1 – Curriculum Design and Development**

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	BT(MEC)	Mechanical Engineering	18/07/2018
BTech	BT(CE)	Civil Engineering	14/07/2018
Mtech	MT(CE)	Civil Engineering	14/07/2018
BTech	BT(ECE)	Electronics Communication Engineering	18/07/2018
BTech	BT(CSE)	Computer Science Engineering	11/07/2018
BTech	BT(CHE)	Chemical Engineering	17/07/2018
MSc	M.Sc. (CHY)	Chemistry	17/07/2018

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Entrepreneurship and Small Business	17/07/2018	18B14HS444	17/07/2018

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Engineering Drawing & Design, Workshop, Life Skills, Value Added Course-1, Indian Constitutional and Traditional Knowledge, Science Elective, Science Elective Lab, Term Paper, Advanced Programming Lab-3	17/07/2018

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
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BTech	CHE, CE, CSE, ECE, MEC (Already Adopted)	01/07/2018
Mtech	CHE, CE, CSE, ECE, MEC (Already Adopted)	01/07/2018
BSc	Physics, Chemistry, Mathematics (Already Adopted)	01/07/2018
MSc	Physics, Chemistry, Mathematics (Already Adopted)	01/07/2018

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Communication and Presentation Skills	16/07/2018	8
English	16/07/2018	4
English	04/01/2019	8
Communication Skill	04/01/2019	57
Communicative English and Soft Skills	04/01/2019	1
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	BTech Internship/ summer training	398
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Feedback from all the stakeholders is collected in a standard manner. Specifically, students of this university give feedback in a hard copy manner, twice in a year. The collection of feedback from students of the entire program run in the university is done at the end of every semester in a structured manner. Students fill up Feedback forms (printed version provided by the university) for all courses taught in a semester, i.e. all theory courses, practical project/seminar, etc. in the last week of the semester. Detailed analysis of feedback submitted by students is a regular exercise done as an</p>

organized schedule. After the collection of feedback forms from the students, it is submitted to the Registry office. The entire data present is filled into IRP and tabulated for further observation by relevant stakeholders. Dean (AR) goes through the analysis of academic feedback meticulously. Tabulated data with inputs of the Dean (AR) further, critically observed by the vice chancellor of the university too. The biggest advantage of the feedback collection from students is towards the improvement of course curriculum on a regular basis. There are few examples when students feedback provided in the feedback form has taken care and course content of specific subject had been moderated for a better outcome. University collects the feedback from the experts of industry renowned academicians, their observations and suggestions are taken to the consideration during moderation of course content. Feedback from parents is equally meaningful to have a comfortable happy stay of students in the university as well as all level smooth functioning of the university. University pays equal attention to the feedback provided by teachers to improve the overall functioning of an organization. Inputs of our alumni are a key parameter for continuous upgradation in the syllabi of almost all existing programme in JUET. JUET believes that healthy criticism is a yardstick to improve the entire ambiance of the organization. Any suggestion/criticism/behavior issues of all concerned humans are taken to an account. If anything that makes the student uncomfortable is dealt on priority and all possible remedial measure is taken to account. To improve/rectify the issue related to feedback of any faculty member the mentoring of the concerned faculty member is carried out through constructive dialogue.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering	600	984	306
Mtech	Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering	45	13	5
PhD or DPhil	Chemical Engineering,	30	78	13

	Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering, Physics, Chemistry, Mathematics, HSS			
BSc	Mathematics (Hons.), Physics (Hons.), Chemistry (Hons.)	60	9	5
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1322	5	75	0	75

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
75	100	100	35	0	100

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

A batch of 20 students is assigned to each and every faculty who acts as mentor or counsellor for the entire program duration. The main motto of making student mentoring system is to guide and make an all out effort to improve students' academic, as well as nonacademic performance. Parents are kept informed regarding the Student's progress. The university provides access of student's attendance, their performance through SMS alert and web login to the parents so that parents can track their wards attendance and performance from anywhere. Mentor regularly interacts with the students and monitors their academic performance and attendance regularly. Students are counselled by the mentors, class advisors, subject faculties, HOD and Registrar for improving their academic performance, discipline and attendance. At first year level, students academic and personal issues of concern are well looked after by the class mentors, wardens and Registrar. The students are given guidance for career, personal, besides academic issues. A special arrangement also, is made available to the students to deal with psychosocial issues arising in cases like single parenting, bread earner in the family, adjustment to new environment etc. formal meeting of mentors with their assigned student is being conducted once in a fortnight where student can discuss their problem freely with their mentor. The mentoring is centered on the issues pertaining to student performance in academics, overall development of their personality by getting

trained in soft skills and English language competence, specific skill set training to be managed by students for better career prospects apart from any specific personal issues which might be affecting their progress. Issues which can be resolved at the faculty level are taken care of and those beyond their capability will be referred to higher authorities for resolution. Services of Counselor Psychologist are also utilized in cases requiring sensitive handling. After declaration of results of Test1, Test2 and Test3, thrice in a semester performance of students is monitored and remedial classes are organized as per the requirement and availability of the students. For weak students, special classes of specific subject are also conducted by faculty members as required. Special classes in English language are also organized for students lacking proficiency in English Language. For students not able to clear some subjects as regular courses, summer courses are also planned. The mentors contact the parents and update them as required about their wards performance, the academic programmes of the university as well as the support and monitoring system of students. The mentors always keep a check on the attendance of the student, the marks/grades obtained in the examinations.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1327	75	1:18

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
5	5	0	5	2

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Ravi Kumar	Assistant Professor	IETE Fellow membership awarded
2018	Dr. Nilesh R Patel	Assistant Professor	Utkrisht Shikshak Award
2018	Prof. S. Arunachalam	Professor	INAE Fellowship
2018	Prof. Shishir Kumar	Dean	Utkrisht Shikshak Award
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
PhD or DPhil	Ph.D.	Even Semester 2019	25/05/2019	01/06/2019
BTech	B.Tech.	Odd Semester 2018	08/12/2018	17/12/2018
BSc	B.Sc.	Odd Semester 2018	08/12/2018	17/12/2018

Mtech	M.Tech.	Odd Semester 2018	08/12/2018	17/12/2018
MSc	M.Sc.	Odd Semester 2018	08/12/2018	17/12/2018
PhD or DPhil	Ph.D.	Odd Semester 2018	08/12/2018	17/12/2018
BTech	B.Tech.	Even Semester 2019	25/05/2018	01/06/2019
BSc	B.Sc.	Even Semester 2019	25/05/2019	01/06/2019
Mtech	M.Tech.	Even Semester 2019	25/05/2019	01/06/2019
MSc	M.Sc.	Even Semester 2019	25/05/2019	01/06/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	1228	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.juet.ac.in

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
B.Tech.	BTech	Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering	406	400	98.52
M.Tech.	Mtech	Civil Engineering	1	1	100.0
M.Sc.	MSc	Chemistry	1	1	100.0
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://www.juet.ac.in/NAAC/2.7.1.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	P S BANERJEE	Visvesvaraya PhD Fellowship	01/07/2018	Ministry of Electronics Information Technology, MeitY, Government of India, being implemented by Digital India Corporation

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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
MPCST Junior Research Fellow	2	MPCST, Bhopal
MPCST Junior Research Fellow	2	MPCST, Bhopal
Indira Gandhi Fellowship	2	Environmental Planning Coordination Organization Bhopal

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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	2	Environmental Planning Coordination Organization Bhopal	3.3	2.92
Projects sponsored by the University	1	JUET	0.5	0.37
Minor Projects	2	MPCST, Bhopal	4.25	2.1
Minor Projects	2	MPCST, Bhopal	6.45	4.2
Students Research	1	GAIL India Ltd., Raghogarh	1	1

Projects (Other than compulsory by the University)				
Students Research Projects (Other than compulsory by the University)	1	State Bank of India	0.25	0.25
Students Research Projects (Other than compulsory by the University)	1	Oriental Bank of Commerce	0.1	0.1
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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Sensitization of IPR, plagiarism and ethics	HSS	12/11/2018
Sensitization of IPR, plagiarism and ethics	HSS	21/11/2018
Sensitization of IPR, plagiarism and ethics	HSS	18/11/2018
Sensitization of IPR, plagiarism and ethics	HSS	19/11/2018
Sensitization of IPR, plagiarism and ethics	HSS	19/08/2018
Sensitization of IPR, plagiarism and ethics	HSS	12/09/2018
Sensitization of IPR, plagiarism and ethics	HSS	16/10/2018
Sensitization of IPR, plagiarism and ethics	HSS	17/10/2018
Sensitization of IPR, plagiarism and ethics	HSS	22/11/2018
Sensitization of IPR, plagiarism and ethics	HSS	16/03/2019
Sensitization of IPR, plagiarism and ethics	HSS	10/05/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Utkrisht Vidhyarthi	Mr. Ritwik Shanker	MPPURC, Bhopal	21/10/2018	Student

Award				
Utkrisht Vidhyarthi Award	Mr. Sumit Agrawal	MPPURC, Bhopal	21/10/2018	Student
Utkrisht Vidhyarthi Award	Ms. Vidushee Amoli	MPPURC, Bhopal	21/10/2018	Student
Utkrusht Vidhyarthi Award	Mr. Dhivagar M.	MPPURC, Bhopal	09/02/2019	Student
Utkrisht Vidhyarthi Award	Mr. Piyush Dixit	MPPURC, Bhopal	09/02/2019	Student
Utkrisht Vidhyarthi Award	Ms. Palak Modi	MPPURC, Bhopal	09/02/2019	Student
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
nil	nil	nil	nil	nil	11/06/2019
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Chemical Engineering	2
Computer Science and Engineering	4
Electronics Communication Engineering	4
Mechanical Engineering	3
Humanities and Social Sciences	2
Mathematics	2
Physics	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics Communication Engineering	10	0.84
International	Computer Science and Engineering	10	1.16
International	Chemical Engineering	3	1.1
International	Mechanical Engineering	36	1.70
International	Civil Engineering	1	0

International	Humanities and Social Sciences	4	0
National	Chemistry	1	1.43
International	Chemistry	2	2.32
International	Mathematics	4	0.83
International	Physics	5	1.9
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Electronics Communication Engineering	8
Computer Science and Engineering	3
Mechanical Engineering	2
Civil Engineering	2
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
MgCaNd based sacrificial anodes for reinforced cement concrete structures	Filed	2018210439	22/11/2018
MgCaY based sacrificial anodes for reinforced cement concrete structures	Filed	2018210439	22/11/2018
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Selforganized design of virtual reality simulator for identification and optimization of healthcare software components	Amit Kumar Srivastava, Shishir Kumar, Masoumeh Zareapoor	Journal of Ambient Intelligence and Humanized Computing	2018	1	Jaypee University of Engineering Technology	1
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Performance enhancement approach for supercapacitor by using mango kernels derived activated carbon electrode with phydroxylaniline based redox additive electrolyte	D. Jain, J. Kanungo, and S. K. Tripathi	Elsevier journal of Materials Chemistry and Physics	2019	3	3	Jaypee University of Engineering and Technology

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	5	17	9	8
Presented papers	4	2	0	2
Resource persons	0	2	3	4

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering	Bricks test	GAIL india ltd/excel sports international, indore (M.P.)	1416
Civil Engineering	Pre mix bituminous materials	NFL, vijaipur, Guna/ Radheshyam Agrawal, Guna	12390
Civil Engineering	Paver block	Indian oil corporation, guna/chauhan arts Bhopal	4071

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
nil	nil	nil	0	0
No file uploaded.				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	Red Cross Society	6	49
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Swachh Bharat Summer Internship 2018	Best Summer Interns to Two teams	MHRD	17
Automation Open Challenge 19	Best Automation Project	INFOSYS	1
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat Abhiyan	MHRD	Swachh Bharat Summer Internship 2018	5	60
Literacy Activity	Sant Pipavav Seva Samiti,	Voter Awareness Program at Ruthiyai	3	10
Donation Drive	DISTA (NGO)	Donation of Clothes (Old New), Stationary items	75	8
Jal Seva	Sant Pipavav Seva Samiti	Water awareness program at Ruthiyai Railway station during summer	3	10
School Teachers Training Program	Twenty four Participating Schools	Teachers Training Program on	5	72

"Programming in Python for School Teachers

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research and Development	Faculty Members	MNNIT Allahabad	5
Research and Development	Ph.D. Scholar	Madhya Pradesh Pollution Control Board	3
Student Exchange	Student	Self Financed	1

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Research and Development	MoU	MNNIT Allahabad	16/08/2018	15/08/2019	Mr. Yogesh Iyer Murthy
Research and Development	Ph.D.	Madhya Pradesh Pollution Control Board	01/07/2018	30/06/2019	Mr. K. N. Katare
Industries for Internship	MOU	CSIR CBRI	28/05/2019	13/07/2019	Tamjeed Ahm

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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
MNNIT Allahabad	16/08/2018	Exchange of personnel, joint conference and seminars, joint supervision of research, collaborative research, etc.	1

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
155	142.48

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Others	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Liberty	Fully	5.0	2004

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	25183	10524735	2689	438758	27872	10963493
Reference Books	6984	15714121	49	54979	7033	15769100
e-Books	7385	0	0	0	7385	0
Journals	27	54234	0	0	27	54234
Digital Database	4	1386781	3	790497	7	2177278
Library Automation	1	3457142	0	0	1	3457142

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
nil	nil	nil	10/06/2019

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	787	525	1497	30	0	54	73	1032	105
Added	33	33	0	0	0	0	0	17	0
Total	820	558	1497	30	0	54	73	1049	105

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1049 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
nil	https://www.juet.ac.in

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
47	25	269	336

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Laboratory: Laboratories usage totally depends upon its exclusiveness and its specificity of various facilities available in the university. Laboratories are designed as per the need of the specific department. Each and every department has its own separate laboratories. Some common labs are used by other departments too as per the requirement. The procedure follows is time table and it is ensured that there should not be any clash in the timetable. It is done with the proper coordination of the department for the betterment of student fraternity. Adequate and appropriate utilization and exposure of laboratories enhance the better conceptual understanding of any course. Research scholars may use all available laboratory facilities after taking permission from HOD/Lab Incharge. **Library:** it is a place to perform multitask to sit in a clean and quiet environment to understand subjects, to read a newspaper, to go through various journals (as per discipline), technical magazine, access to the educational site and many more things related to the modern academic system to accelerate existing knowledge. JUET has a very well organized and structured learning place in the campus. The facilities provided in LRC (Learning Resource Centre) of our university are no lesser than any renowned academic institutions in India. A set procedure has been laid down to utilize the LRC facility by all users. The well operated digitized system is the strength of the LRC. The fourth year undergraduate students are supposed to sit in LRC in a monitored manner so that they gave new and old inputs to their major projects. Students use LRC facility as per their needs and whenever they are free. SMS alert, OPAC and many more modern facilities are there in a fully operational LRC. **Sports Complex:** The University has well maintained sports facilities for the overall personality development of future engineers, entrepreneurs, and technocrats. Sports facilities help nurture team spirit, fair play, and healthy habits. Well

equipped gym in hostels, Cricket and football fields, indoor badminton and table tennis courts, basketball, handball, volleyball grounds and all possible indoor games are played in JUET throughout the year. The sports coordinator organizes the events in well planned fashion with the help of the student's team for each and every sport. Computers: Adequate numbers of computers are there in the university premises. It is an era when everyone is having their own laptops even then university officials have provided the desktops to all the faculty members. JUET has Computer accessibility to all the faculty and staff members. 100 MB storage space, Resource folder for students, tutorials, study notes, timetable and utility software are provided through a central server which can be accessed by students from any node inside the campus 24x7. Classrooms: There are 32 classrooms (CRs) and 17 Lecture theaters (LTs). The availability of the CRs, LTs is as per a defined schedule (Time Table) planned much before the commencement of the semester. To manage the concurrency control of its utilization, a centralized arrangement is in practice.

<https://www.juet.ac.in/NAAC/4.4.2.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fee concession	50	3882450
Financial Support from Other Sources			
a) National	Post Metric Scholarship MP and Chief Minister Meritorious Scholarship (MP)	31	1050000
b) International	nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
English Language lab (Software used: Tense Buster, Sky Pronunciation, Connected Speech)	01/07/2018	303	JUET
Soft skill development (Ice breaker activities, JAM, Extempore, Impromptu Speech, Role Play, Group Discussion)	01/07/2019	56	JUET
Remedial coaching, Communication skills Audit course	01/07/2018	56	JUET

Arduino board and programming	24/09/2018	40	IETE Student's Forum (ISF) JUET
Fun carnival	29/10/2018	50	IETE Student's Forum (ISF) JUET
Soldering classes	20/11/2018	40	IETE Student's Forum (ISF) JUET
Data analytics	21/01/2019	50	IETE Student's Forum (ISF) JUET
DIY working	26/01/2019	50	IETE Student's Forum (ISF) JUET
Dextra	20/04/2019	1000	IETE Student's Forum (ISF) JUET
Guest Lecture	20/04/2019	50	IETE Student's Forum (ISF) JUET
Technical Festival	12/04/2019	40	MES(Mechanical Engineering Society) JUET
3 Vessels	20/04/2019	18	MES(Mechanical Engineering Society) JUET
Mini Dirt Race	20/04/2019	21	MES(Mechanical Engineering Society) JUET
Industrial setup	20/04/2019	17	MES(Mechanical Engineering Society) JUET
Do It Yourself	21/04/2019	25	MES(Mechanical Engineering Society) JUET
Catapult	21/04/2019	16	MES(Mechanical Engineering Society) JUET
Hydraulic Vehicle	21/04/2019	14	MES(Mechanical Engineering Society) JUET
BOB The Builder	20/04/2019	45	JUET
What's The Plan PLAN	20/04/2019	40	JUET
Guest Lecture	20/04/2019	60	JUET
Truss It	20/04/2019	30	JUET
Concrete Cube Casting	21/04/2019	25	JUET
Think You Can	21/04/2019	50	JUET
Clay Modelling	21/04/2019	40	JUET
Fun Events	21/04/2019	80	JUET
Mock Interviews	17/09/2018	350	JUET
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the

institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	GATE Classes, CAT, ILETS	43	300	26	353
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
85	360	311	4	360	42
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	17	B.tech.	Civil Engineering	NICMAR, DTU, IIT Roorkee, CU Boulder etc.	PG in Construction Management, MS, M.Tech
2018	1	B.tech.	Electronics & Communication Engineering	Rutgers University	M.S.
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	5
CAT	5
GRE	6
TOFEL	3
Civil Services	1

Any Other

6

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Freshers	University Level	1450
Independence day	University Level	1150
Film Charade	University Level	150
Border Management and National Security	University Level	325
Gandhi Jayanti Relevance of Gandhian philosophy, A play Event	University Level	250
Gandhi Jayanti (October 02, 2018)	University Level	150
Tambola	University Level	150
Musical Night (DJ)	University Level	800
Halloween	University Level	250
Musical Evening on the eve of Convocation By Mrs. Smita Mokashi	University Level	1200
Traditional Night	University Level	950
Run for Unity and Democracy	University Level	850
Youth Parliament (29 Outside Participant)	University Level	250
Musical Night (Singing)	University Level	275
Candle March (For Pulwama Martyres)	University Level	550
Matrihasha Diwas	University Level	850
DEquinox	University Level	1250
Adios (Farewell)	University Level	1150
Award Distribution Ceremony	University Level	250
Yoga Day	University Level	120
Cricket	University Level	104
Football	University Level	95
Basketball	University Level	47
Volleyball	University Level	78
Badminton	University Level	33
Handball	University Level	32
TableTennis	University Level	26
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	nil	National	0	0	0	nil
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Jaypee University of Engineering and Technology, Youth Club (JYC) is the name of student council in JUET, Guna. JYC has five student body wings (1) Cultural wing (2) Literary wing (3) Art and Event management wing (4) Sport wing and (5) Media wing which conduct various events throughout the year. All wings have involvement of all year's students. Every student body has a secretary and joint secretaries to plan and carry out the activities. To keep an eye on student activities, a faculty incharge is also associated with each student body. A typical structuring of "Literary wing" is like Joint secretary theatre (JS theatre), JS Events, JS publication, JC Debate, JS Anchoring and secretary to ensure smooth conduction of events. All the five wings organize several events throughout the year in a well thought and systematic manner without clashes with other wings events. All five Secretaries of the wings work in an amicable manner. Fresher's night [a Gala event organized to welcome First year student every year, Dequinox [Annual three Day fest a most aviated event of student fraternity], Dandiya night [A musical night during Ashwin moth navratra celebration] Adios [Farwell party to fourth year student], Halloween night [October 31] are few events which are celebrated every year without fail. JYC , not only conducts various events themselves but this body helps in conducting other event too, that to whole heartedly e.g. "Ganesh Mahotsav" both Navratra "Durga Sthapana" in campus temple and Saraswati puja on Vasant Panchmi and "Vishwakarma Puja" on September 17 every year. Literary Wing conducts many debates and other events too, but "Jaypee Youth Concord" is a gala event conducted in March every year and student of 102 standard of nearby schools also participate on regular basis. Sports wing organizes the inter year Cricket, Badminton Basketball, Football leagues every year. The role of 'Art Event Management Wing' is very important. This wing gives their full support to conduct all events by all wings. Other then five most active wings of JYC, JUET also has five technical society of the all the departments. CSE department has CSE technical club/hub (CSI, Mozilla Bitwise ARVR), ECE has ISF technical society. CEF(Civil engineering forum) is CE society , MES is the name of society of MEC department and IONIZE is the name of CHE department society. Every year somewhere in April these technical societies conduct technical fest of two days event. In technical fest all societies invites renowned academicians from the industry or academia. The involvement of student in other admistrative bodies is also there is JUET. Student representatives are there in the 'Mess Committee' of the university. 'Mess Committee' plays important role to serve healthy and tasty food to the students in mess and cafeteria.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, "JUET Alumni Association" has been registered on March 21, 2018 under Madhya Pradesh Society Registration Act, 1973. JUET Alumni Association connects the alumni with the students studying currently in the University, so as to enable young students to be inspired and learn from the efforts, failures and

successes of our esteemed alumni. The association also showcases the talent of the young minds we nurture at JUET. Trust helps students to develop a mindset that they can think rationally, socially and build practical solutions to real life problems, which ultimately lead to success in life. It strives to develop them from the first year onward so that the student graduates from the University with more than just an offer letter in hand. JUET Alumni Association has a team which includes a President, a Vice President, Account Officer and various departmental alumni. These team members organize various activities throughout the academic calendar for example alumni interaction activity, sharing alumni success stories etc. JUET Alumni Association has been prominently seen on social media like Facebook and LinkedIn for alumni and campus news. JUET Alumni Association also maintains an alumni portal in which 4000 members are available which usually send their details to the university.

5.4.2 – No. of registered Alumni:

1902

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

JUET organized its third "Alumni Meet" on November 02, 2018. A number of alumni participated in the meet and enjoyed. They recalled the memories of their stay in the campus. Mr. Prakram Sure ECE (201115) batch gave a lively session to share his path of journey with student of final year on September 13, 2018. Mr. Sumit Gulati (Software Development Engineer II at Amazon, Bengaluru) CSE (201216) batch had three day stay in the university i.e. October 0608, 2018. He spent plenty of time with CSE student and motivated them to think innovatively. In the month of February four well established alumni visited JUET. The details are given hereunder: On Feb. 02, 2019, Mr. Anshul Gupta [Assistant Consultant, TCS, Gurgaon] CSE (200610), Mr. Mukul Gupta [Cloud Technical Solution Engineer at Google, San Francisco] ECE (201014) Dr. Deo. Shankar Jha [Chief Data Scientist at England Wales Cricket Board (ECB), London] CSE (201216) on Feb.23, 2019, their interactive session were enjoyed and well appreciated by everyone. Mr. Arpit Jain [Front End Architect at Cognizant, Arkansas] CSE (200408) had a conversation with fourth year third year student on March 02, 2019. He had an interactive questionnaire at the end of his talk. one of our alumni Ms. Kritika Sachdena CE (201216) visited March 26, 2019. April 2019 was also a month in which three of our alumni honored us by visiting our campus. Mr. Shashank Gaurav [Senior Software Engineer at HCL Technologies, Pune] ECE (201115) visited on April 28 and Mr. Nishank Kumar Sharma [Graduate Research Assistant at Georgia Institute of Technology, Greater Atlanta] MEC (201317) come on April 29 whereas Mr. Priyansh Srivastava [Graduate Research Assistant at Georgia Institute of Technology, Greater Atlanta] ECE (201115) was in the campus on April 30, 2019. These alumni had interaction with student and inspired them by their journey of success. May 2019 was also eventful, two of our alumni visited JUET. On May 25, 2019, Ms. Aishwarya Dixit MEC (201317) and Mr. Aishwarya Mishra CE (201317). They also delivered the talk based on their achievement and role of JUET to make them a responsible employee of the organization in which they are serving.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

University functions on the student centric working culture. The two main

decentralization of management participation practices are as given hereunder:
 1. Final year students finalize the topic of their major projects as their own. University never imposes any sort of pressure to finalize the topic or faculty in charge under whom students wants to carry his/her project. Students submit their project proposal to their project guide and project guide forward it to the head of the department after endorsement. Head of the department forward it to the Dean of the university and then things go to the higher authorities of the university in a routine manner. 2. There are several students those may have more than one selection offer of placement. At this point of time, they get in dilemma of choosing the company in which they should join and start their careers. Management plays an active participative role to counsel the young brain and guide them to take the right decision.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Human Resource Management	Growth of human resources in accordance with development of existing human resources through conferences, workshops, faculty development programs, both inhouse as well as of other institutions, and interaction with outside experts.
Industry Interaction / Collaboration	<ul style="list-style-type: none"> • Interaction with industry, community and other stakeholders. • Training Placement • Research and Development • Consultancy activities in University. • MoUs and collaborations with institutions/industries
Curriculum Development	On the basis of Feedback from all stakeholders, University periodically modify course structure teaching learning methods, examination reforms, knowledge management, etc. which are taken up through departmental board of studies and subsequently by Academic Council.
Teaching and Learning	University has mission of becoming centre of excellence for teaching and learning by student centric processes, trust transparency, autonomy and impartiality. University adopts elearning 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, campus recruitment training program to fulfil its mission.
Examination and Evaluation	Examination and Evaluation through Ordinance clauses which ensures

	<p>accountability and evaluation through IRP tools.</p>
<p>Research and Development</p>	<p>University has following research and development facilities: • Computer labs equipped with latest Configurations. • Cement Research and Development Centre (CRDC) • JPWind Engineering Application centre (JPWINCENTRE) • Advanced Manufacturing Laboratory (AML) Housed with Rapid Prototyping • Operating Thermal Simulator (OTS)</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>LRC offers interlibrary loan service to research scholars and other users through DELNET, under this service if any book and article are not available in LRC, we procure that desired document from 5300 member libraries of DELNET.</p>
<p>Admission of Students</p>	<p>B. Tech. (Bachelor of Technology) programmes • Minimum qualification for admission to the first year B.Tech. is the qualifying higher secondary school certificate examination (102) 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 are 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 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</p>

required to give the written test. The shortlisted candidates are thereafter go through an interview process. • The candidates having qualified in GATE, NET/SLET or equivalent examinations and candidates in receipt of fellowship from the Govt. agencies like CSIR, DST, etc., are allowed to appear in the interview directly. • The final selection is based on the recommendations of the selection committee.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Display of Caution Money ledger and procedure for online No Dues certificate for students is being planned.
Finance and Accounts	Finance Accounts division of university functions on egovernance using CampusLynx. Before the commencement of every semester student submitted their fees by checking their dues on webkiosk and finally transfer the amount via etransactions. All employees can see their salary status via their personal login id's using webkiosk portal. Salary slips of employee, fees submission receipts of students are digitally generated without any manual signature of authorities. It makes the process quite comfortable and easy.
Student Admission and Support	Student admission and support right from the stage of inviting admission applications till the passing out of the student to maintaining his history are handled by the CampusLynx software. Through CampusLynx software all the activities like counseling admission, examination results, student information system, student accounting financial management, HRM payroll, purchase, receiving and inventory, fixed asset management, training placement and alumni services are maintained. Students and staff members in these different departments all can see the same information and update it.
Examination	Entire examination conducted in JUET is digitally monitored via software CampusLynx. This software managed all activities of smooth conduction as well as evaluation process in a transparent manner. Sitting plan, invigilation duty, venue of examination are the

	activities before the exam and marks obtained in every subject (theory and practical), CGPA, SGPA etc. are monitored and managed by CampusLynx.
Administration	Implementation of egovernance in the administration is the backbone for smooth functioning of the university. Almost all parts of administration like HR, Leave management, attendance of employees, all administrative notices for students as well as employees, feedback of student, procurement process, disciplinary action taken by the authorities against the students. Student attendance is managed electronically by CampusLynx software. University assures that students do not skip their classes. If any student's attendance is inadequate then by the help of SMS based service, text message is sent to the parents.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	nil	nil	nil	0
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Faculty Development Program on 'Deep Learning Applications'		27/05/2019	31/05/2019	25	0
2019	Teachers Training Program on 'Programming in Python'		05/04/2019	07/04/2019	42	0
2018	Faculty De		10/07/2018	14/07/2018	35	0

	velopment Program on 'Data Structures and Algorithms'					
2018	N/A	Staff Development Program on Skill Orientation For Ms Office	10/12/2018	25/12/2018	0	29
2018	N/A	English Grammar, Letter/Note drafting and formal correspondence	17/12/2018	18/12/2018	0	30
2018	Workshop on Advancements in Software Engineering		10/08/2018	18/08/2018	6	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
GIAN sponsored course on 'Emerging Concepts in Municipal Wastewater Treatment' conducted by NIT Patna	1	17/12/2018	21/12/2018	5
NPTEL awareness workshop on 'The role of NPTEL Local Chapter	2	17/11/2018	17/11/2018	1
Faculty Development Program (FDP) on Faculty Development Program (FDP) on Wireless Communication	1	03/12/2018	07/12/2018	5

(WICOM2018) organized by ABVIIIITM, Gwalior				
Workshop on Python Under 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT)', SAGE University Indore	1	22/06/2019	22/06/2019	1
Cisco Cyber Operations Boot Camp 2019 at Vasavi College of Engineering, Hyderabad	1	07/06/2019	14/06/2019	8
InfyTQ summit organized at Infosys Global Training Centre at Mysore	1	17/02/2019	17/02/2019	1
LEX based Foundation Program organized online by Infosys	2	18/01/2019	25/01/2019	8
Faculty Development Program (FDP) on Multivariate Analysis using R organized by PSIT, Kanpur	1	24/06/2019	29/06/2019	6

[View File](#)

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
4	1	8	7

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Loan facility, Medical, Group Insurance, LTA, Gratuity Employees Provident Fund (EPF), Employee children's benefits after five years	Loan facility, Medical, Group Insurance, LTA, Gratuity Employees Provident Fund (EPF), Employee children's benefits after five years	Support for bank Loan, Group Accidental Insurance Plan for Student/Parents, Support for Certificate / PG Program with selected

of service, water supply, electricity supply, Garbage disposal, STP, Career Advancements Scheme, Support for Participation in FDP/Conference/Workshop etc.	of service, water supply, electricity supply, Garbage disposal, STP, Career Advancements Scheme	organizations.
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6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes. The University is conducting internal and external audit regularly from external Chartered Accountants since the inception of the Institute. Copies of audited results are sent regularly to the Board of Management (BOM) and concerned authorities. The University has a Board of Management which plans, controls and monitors the financial resources of the University. There is no Finance Committee as per private University Committee act of Madhya Pradesh and all its issues are guided by Board of Management (BOM) as per our statutes. The University also allocates sufficient budgetary provisions to conduct various academic activities, to create adequate facilities and to organize quality programme such as seminars, conferences and guest lecturers to fulfill the University's mission. The annual financial audit ensures effective utilization of available funds.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Metro Resort Raghogarh, High Tech Computer Guna, JK White Cement Indore, Birla Gold Cement Guna, Bansiwala Hotels Guna, Khalsa Industries Guna	50000	For conduction of Technical Fest
View File		

6.4.3 – Total corpus fund generated

50000000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		Yes	HOD/Dean
Administrative	Yes	Ravi Rajan Co., New Delhi (Quarterly) Ashok Jain, Dass Gupta Associates New Delhi	Yes	HOD/CFC/Registrar

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Not Applicable

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

University has regular interaction with the parents regarding their ward performance in academics as well as nonacademic activities.

6.5.4 – Development programmes for support staff (at least three)

1. Staff Development Program on Skill Orientation For Microsoft Office 2. Staff Development Program English Grammar, Letter/Note drafting, and formal correspondence 3. Session on Physical fitness

6.5.5 – Post Accreditation initiative(s) (mention at least three)

1. B.Tech Curriculum with Minor Specialization, 2. Value Added Courses, 3. Visits of Prominent Dignitaries and Expert Lectures, 4. Participation in Social Activities, 5. Dynamic Alumni Portal, etc.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Introduction of new B.Tech. Curricular with special ization	30/05/2018	01/07/2018	30/06/2019	305
2018	Introduction of AWS (Aamazon Web Service)	30/05/2018	01/07/2018	30/06/2019	300
2018	Establishmen t of CISCO Networking Academy	30/05/2018	01/12/2018	30/06/2019	50
2018	MOU with MNNIT Allahabad	30/05/2018	16/08/2018	30/06/2019	5
2018	Visit of experts for beyond syllabus discussion and industrial input	30/05/2018	01/07/2018	30/06/2019	600
2018	Invited lectures	30/05/2018	01/07/2018	30/06/2019	6

2019	1	1	06/10/2018	1	Organic Farming and Sustainable Life	Organic Farming and use of technology in farming	8
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
nil	01/06/2019	not applicable

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Universal Human Values	07/08/2018	07/08/2018	186
IPR and plagiarism seminar	07/08/2018	07/08/2018	186
Oath taking ceremony on "Word No Tobacco day"	31/05/2019	31/05/2019	75
International Yoga day	21/06/2019	21/06/2019	80
World Environment day	05/06/2019	05/06/2019	68

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. The university has taken the initiative of banning single use plastic in line with the government initiative to do away with plastic. 2. All the buildings and open areas are provided with drains nearby for capturing rain water which is conveyed to a lake in the campus that has a huge storage capacity of 1500 lakhs liters. In this way the total rain water during the monsoon is captured effectively and is reused for construction and gardening purpose. 3. The University maintains a lush green campus maintained by a good number of gardeners. A total of 2, 06,000 sq.meter lands is under the horticulture department. Besides, saplings have been planted on world environment day. 4. Paper cups and plates are being used for tea and snacks instead of plastic ones. 5. Solar water heaters are being used in the mess in place of electric water heater system.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Mentorship activity Mentorship activity is being successfully practiced in the university for long with the following objectives: (i) It gives an opportunity to the students do discuss their problems related to academics, personal life or career with their respective mentors. (ii) It strengthens the bond between teachers and students. Mentorship activity begins from the day the students enter the campus for the first time. Each faculty of the university is allotted 20 students for which he/she remains a mentor for the complete duration of his/her stay i.e. 4 years. In this span of four years, the mentor holds several deliberations with the mentee on various issues that facilitate building of selfesteem and positive attitude in the students eventually transforming them into more responsible human beings. The interaction between mentor and mentee is held on a fortnightly basis aiming to resolve the problems faced by the students in various spheres of life. In these interactions, the

mentor also encourages students to prepare for various competitive exams or placement activities in their respective fields. The successfulness of this activity is evident from the following outcomes: (i) Increase in the percentage of students placed through campus recruitment. (ii) Increase in an average package of students. (iii) Increase in the sincerity level of the students in the classrooms. (iv) Increase in overall discipline of the students on the campus.

2. Carbon neutral campus A carbonneutral environment is imperative to mitigate the effects of climate change due to the huge emission of greenhouse gases. Lots of efforts have been made in this direction to deal with this massive air pollution problem. The university has a lush green campus sprawling over 485622 sq. m of land area with 2, 06,000 sq. m land completely dedicated to horticultural activities. Since its inception in 2001, 6900 trees and a large number of hedges have been planted, acts a carbon sink that plays a vital role in making the campus carbon neutral. At present solar water heaters are being used in the mess in place of the electric water heater system, a renewable source of energy with no carbon dioxide emission. Paper cups and plates are used for tea and snacks instead of plastic ones. The university has a residential campus with 90 of the faculty, staff, and students living in the university's premises owing to which there is negligible vehicular traffic on the roads which subsequently contributes to minimal carbon emission.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.juet.ac.in/NAAC/7.2.1.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

JUET Guna's most distinctive approach is to believe in holistic development of all corners related to the university directly or indirectly. JUET took an advantage of its location in a remote area. Non polluted environment inside the campus and outside the campus is a most precious boon to all resident staying in premises. University has hired many employees from nearby areas and enhances their standard of living. Many helping hands come to the university every morning and spend 810 hours of a day with qualified intellectuals. It improves their understanding of life and challenges associated with their life. It happens as they discussed their problems with educated persons and get logical solutions/understanding of their life issues. A pool of qualified, mature and mentally sound people lives in JUET, they felt concern about the issues of their nearby surrounding and do time to time counseling to the students of various schools. This year many teams of faculty members visited more than 225 number of schools and guided the student to choose a career for themselves. CSE department of JUET took an initiative to improve computer based skills of teachers of schools of 30 kilometer in periphery. Many teachers training program were successfully conducted, well appreciated and adequately covered by local media. JUET paid special attention during admission. A good number of seats are filled by nearby location, so that these students get privilege to study in a renowned institution. JUET has established a 102 CBSE affiliated public school in University premises since 2007. It is a highly distinctive initiative taken by the owners of the university to provide an excellent education to the young brains of this remotely located geographical location of Madhya Pradesh. Right now around 650 students are studying in Jay Jyoti School (JJS) of university. Students are coming to the school from locality like Maksudangarh, Binaganj, Kumbhraj, Ruthiyai, Raghogarh etc. Few locations are 50 KM away from the university. JJS is providing the quality education up to 12 standards at very normal fee structure.

Provide the weblink of the institution

<https://www.juet.ac.in>

8.Future Plans of Actions for Next Academic Year

1. Formalization of a systematic document for "Conduct on Human Values Professional Ethics" would be on topmost priority. 2. Higher emphasis is going to be paid to organize a good number of events based on issues like gender equality. 3. Less focus on ethical values is a prime concern of current era. No place or organization is left where ethical values are some time compromised for even genuine facts of life. We as an organization, felt that a good amount of work to be done so that the young brain can be motivated to keep higher morals and uncompromised ethical values. In near future, we invite influential speakers in university and motivate the students to face life challenges in a fearless manner. 4. Establishment of new laboratory and upgradation of existing laboratory. 5. We will try to inculcate the principle of 3R's (Reduce, Reuse, Recycle) to all residents of university. Importance of 3R's is an integral part of everyone life. Some live videos, lectures, campaign would be organized to motivate everyone to save energy for a bright nation and prosperous economy.