



Yearly Status Report - 2019-2020

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	Private																		
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/AOAR2018-19.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/AC2019-20.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																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries								
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Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries																	

IQAC		
Internal Quality Assurance Cell (IQAC) Meeting	30-Jul-2020 1	14
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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	2018 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 :

2

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

Yes

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)

1. JUET Alumni Registration increased to 1700 plus. 2. Computer training of administrative and support staff. 3. No dues clearance of students streamlined and made as online process. 4. Challenge of online Teaching Learning Process - Training of faculty staffs, continuous feedback and improvement. 5. Implementation of 'Learning Outcome Based Framework' in the University and Students training on trending tools and technologies.

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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	Achievements/Outcomes
Promoting the culture of online teaching & learning	A few labs and classes from some specific courses were taken online on a pilot basis but soon due to the lockdown, the teaching learning had to be shifted to the online mode altogether. Students' feedback was taken from time to time to monitor the quality of teaching and learning. Measures were taken to make this mode of teaching and learning more effective.
Introducing specialization in programmes	Specialization in degree programmes were offered to all the B.Tech. students at JUET Guna for the batch 2018 and onwards.
Restructuring of courses	Various courses were updated and some emerging courses for both the theory as well as the lab were introduced to get in-line with the industry demand
Implementation of Learning Outcome Based Curriculum Framework (LOCF)	All the courses being taught in the University were reviewed and restructured to include objectives and outcomes for efficient outcomebased assessment.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Board of Management	31-Jan-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

21-Jan-2020

<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 have subscription of 'CampusLynx', a modular and scalable Enterprise Resource Planning (ERP) solution. The ERP is used to streamline the routine functions and recordkeeping of the University. This CampusLynx manages the information of employees, and students also. Management of attendance, grades, credits of the students exam schedule, seating plan, declaration of results fee submission, monitoring of the performance of students by their guardians/parents are some of the features provided by 'CampusLynx'. It is scalable, timetotime, as per the needs, new features are being added into it as per requirements. This year, the admission procedure was made fully automated. Admission Forms could be filled online by the aspirants. Payment against the seats, allotment of the seats, branch upgradation, and other admission related communications taken place using this ERP only. Final clearance and nodues of passing out students was also made online. The daily biometric attendance of employees, their leave details, salary slip, declaration of investments, availability of Form16, taxsheets etc. are also being managed by the 'CampusLynx' and is available for access to all the employees of the university as per rights provided to them. Amid COVID19 pandemic and subsequent lockdown throughout the country, JUET adopted another elearning facility, the G Suite Learning Management System (LMS). Most of the courses, throughout the even semester of the academic session 201920 and odd semester 202021, have been conducted using GSuite. Faculty members created virtual classrooms in the GSuite LMS and added all the registered students there. All the students of JUET were assigned a domain id (@juetguna.in) through which they can join registered classrooms. Faculty members posted the lecture contents well before the conduction of the lecture in the classroom space. GSuite is an integrated platform provides the video streaming services and other handy</p>

tools available on Google dashboard. These features are also well utilized in teaching learning. Exams – Exams for final year students conducted online in live proctored mode on Acadly platform and for 1st, 2nd and 3rd year students, marks for final exams awarded on the basis of SGPA of last semester as per the guidelines of the UGC.

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
Nil	NA	NA	01/07/2019
No file uploaded.			

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	Mechanical Engineering	29/07/2020	Engineering Data Analytics 20B14ME544	29/07/2020
BTech	B.Tech. All Branches	26/12/2019	Entrepreneurship and Startup Business 18B19HS492	26/12/2019
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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 Data Analytics	29/07/2020
BTech	Human Values and Professional Ethics	26/12/2019
BTech	Entrepreneurship and Startup Business	26/12/2019
BTech	Environmental Studies	24/07/2019
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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
BTech	Chemical Engineering	01/07/2019
BTech	Civil Engineering	01/07/2019

BTech	Computer Science and Engineering	01/07/2019
BTech	Electronics and Communication Engineering	01/07/2019
BTech	Mechanical Engineering	01/07/2019
Mtech	Chemical Engineering	01/07/2019
Mtech	Civil Engineering	01/07/2019
Mtech	Computer Science and Engineering	01/07/2019
Mtech	Electronics and Communication Engineering	01/07/2019
Mtech	Mechanical Engineering	01/07/2019
BSc	Physics (H) , Chemistry (H) , Mathematics (H)	01/07/2019
MSc	Physics, Chemistry, Mathematics	01/07/2019

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
Entrepreneurship and Startup Business	26/12/2019	269
Human Values and Professional Ethics	26/12/2019	88
Communication Skills	26/12/2019	65
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1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	B. Tech Internship/ Summer Training	198
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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
JUET collects the feedback on curriculum aspects and courses from different

stakeholders: students, parents, alumni, faculty members and most of the employees. Feedbacks from industries where students have completed summer internship are also obtained as per routine practices. The collected feedback data is being reviewed through HODs and wherever required one to one review meeting with concern faculty members with Dean/VC is also a routine procedure. In later stage, summary of feedback is being shared with Academic Council Meeting for necessary implementation (if found suitable). BOS and Academic Council work for academic excellence at student and faculty levels. Based on inputs from stake holder and external experts, curriculum is being reviewed for any requirement of revision every year. IQAC also functions for quality consistence and quality enhancement measure. We consider the university as brand and alumni as its brand ambassadors. So whenever any alumni visit the university, feedback is collected for suggestions/improvements in the curriculum. Provision of online feedback collection from alumni through alumni portal is also there. Feedback is also being collected from the students of university twice in a year in a well designed feedback form, which measures parameters like Subject knowledge, Expression, Teaching aids used methodology etc. Submitted feedback is being tabulated and it is critically reviewed by HODs/Dean and Vice Chancellor. JUET believes that healthy criticism is a yardstick to improve the entire ambiance of the organization. Any suggestion/criticism of all concerned is taken into account. Issues that make the student uncomfortable are dealt on priority and possible remedial measures are taken. 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. The feedback on course and curriculum from the faculty is obtained through feedback form on courses and through discussions in the departmental meeting/BOS takes place. Suggestions and comments given by the guardians/parents of students are also taken into account for further development. This includes both academic and administrative issues.

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 and Engineering, Electronics and Communication Engineering, Mechanical Engineering	600	1427	367
Mtech	Chemical Engineering, Civil Engineering (Environmental Engineering), Civil Engineering (Structural	45	19	2

	Engineering), Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering			
PhD or DPhil	Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering, Physics, Chemistry, Mathematics, Humanities and Social Sciences	30	119	17
BSc	Mathematics (Hons.), Physics (Hons.), Chemistry (Hons.)	30	10	4
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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
2019	1277	4	22	Nil	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	75	100	32	32	100

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

AT JUET, Mentor-Mentee system is implemented wherein around twenty students are assigned to a faculty member who acts as their mentor for the entire programme duration. Mentor regularly interacts with the Mentees/students and monitors their academic performance and attendance. The Mentors are provided access to the profile and contact details of their mentees and his/her parents/guardians. The role of the mentor is to nurture the students and guide them for any issues they are coming across. The Mentors provide encouragement, motivation and counselling support. Mentors are firsthand support to the students with difficulties and gives relevant inputs to subject teachers to help the subject teachers be more effective in handling these students. The Mentors also support in providing career guidance to their mentees. When students graduate and seek higher studies, students usually approach the mentors for providing them with references. Many Mentors also encourage students to collaborate with them in projects /academic writing, especially when students share their academic interests. Such mentors also guide these students during their projects and internships. This is of immense benefit to the students involved. Mentors who are in-charge of student clubs generally work with students who share common curricular or extracurricular interests. Such Mentors are usually passionate about the domains of their clubs. Their passion being contagious, students who are part of such clubs greatly thrive and excel in those domains. The Mentorship program at JUET is a system where many teacher-student bonds get strongly developed for a lifetime.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1297	75	1:17

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
75	75	Nil	3	53

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	Yogesh Iyer Murthy	Assistant Professor	Authorized to use the title of Chartered Engineer [India] by The Institutions of Engineers [India]
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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
BTech	B.Tech.	Odd Semester 2019	13/12/2019	17/12/2019
BSc	B.Sc. (Hons.)	Odd Semester 2019	13/12/2019	17/12/2019
Mtech	M.Tech.	Odd Semester	13/12/2019	17/12/2019

		2019		
PhD or DPhil	Ph.D.	Odd Semester 2019	13/12/2019	17/12/2019
BTech	B.Tech.	Even Semester 2020	25/07/2020	06/08/2020
BSc	B.Sc. (Hons.)	Even Semester 2020	25/07/2020	06/08/2020
Mtech	M.Tech.	Even Semester 2020	25/07/2020	06/08/2020
PhD or DPhil	Ph.D.	Even Semester 2020	25/07/2020	06/08/2020
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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
2	1297	0.15

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/NAAC/Progoutcome.php>

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
Ph.D. (Even Semester)	PhD or DPhil	Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Physics, Chemistry, Mathematics, Humanities and Social Sciences	11	11	100.0
M.Tech. (Even Semester)	Mtech	Chemical Engineering, Civil Engineering,	2	2	100.0

		Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering			
B.Sc. (Hons.) (Even Semester)	BSc	Mathematics (Hons.)	1	1	100.0
B.Tech. (Even Semester)	BTech	Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering	396	378	95.45
Ph.D. (Odd Semester)	PhD or DPhil	Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Physics, Chemistry, Mathematics, Humanities and Social Sciences	11	11	100.0
M.Tech. (Odd Semester)	Mtech	Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering,	3	3	100.0

		Mechanical Engineering			
B.Sc. (Hons.) (Odd Semester)	BSc	Mathematics (Hons.)	2	2	100.0
B.Tech. (Odd Semester)	BTech	Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering	396	378	95.45
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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/2019-2.7.1.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	NA	NA	01/07/2019	NA
No file uploaded.				

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
TA/ Fellowship to Ph.D. Scholars	305	Jaypee University of Engineering and Technology, Guna
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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	277	ICSSR, MHRD, New Delhi	3	1.2
Minor Projects	412	MPCST, Bhopal	4.25	0

Major Projects	347	EPCO, Bhopal	7	2.41
Major Projects	275	MPCST, Bhopal	6.45	0
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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
Scope and Opportunities in Civil Engineering	Civil Engineering	02/08/2020
Use of Emerging Technology and Our Changing Role	Mechanical Engineering	26/07/2020
Highway Infrastructure: Planning and Construction	Civil Engineering	19/07/2020
Opportunities and Future Prospects of Mechanical Engineering	Mechanical Engineering	19/07/2020
Python Project from Scratch	Computer Science and Engineering	26/05/2020
Teachers Training on Programming in Python, Django AI	Computer Science and Engineering	06/12/2019
Sensitization of IPR, plagiarism and ethics	Humanities and Social Sciences	11/09/2019
Sensitization of IPR, plagiarism and ethics	Humanities and Social Sciences	16/09/2019
Sensitization of IPR, plagiarism and ethics	Humanities and Social Sciences	25/09/2019
Sensitization of IPR, plagiarism and ethics	Humanities and Social Sciences	07/10/2019
Workshop on Advancements in Software Engineering	Computer Science and Engineering	04/08/2019
CCNA Routing Switching : Introduction to Networks	Computer Science and Engineering	20/07/2019
CCNA Routing Switching Module -2: A Training programme at JUET was organized in offline/online mode.	Computer Science and Engineering	03/02/2020
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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
NA	NA	NA	01/07/2019	NA

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NA	NA	NA	NA	NA	01/07/2019
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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
Electronics and Communication Engineering	2
Computer Science and Engineering	3
Mechanical Engineering	3
Chemistry	1
Humanities and Social Sciences	1
Mathematics	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 and Communication Engineering	16	2.66
International	Computer Science and Engineering	25	1.61
International	Civil Engineering	9	1.18
International	Mechanical Engineering	28	2.84
International	Chemistry	3	2.28
International	Humanities and Social Sciences	8	0
International	Mathematics	1	0
International	Physics	3	2.39
International	Chemical Engineering	6	1.62
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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
Physics	2
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
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Method Of Load Distribution Balancing In Fog Cloud Computing Architecture Using Data Flow Acceleration	Published	201911045687	15/11/2019
System of Intelligent and Adaptive Control for Micro Hydro Plant	Published	201911024489	06/07/2019
Sacrificial anodes for corrosion mitigation of RCC structures using Mg-Ca-Y alloys.	Published	201821043948	22/05/2020
Sacrificial anodes for corrosion mitigation of RCC structures using Mg-Ca-Nd alloys.	Published	201821043949	22/05/2020
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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
Modelling conventional and solar earth still by using the LM algorithm-based artificial neural network	Rishika Chauhan, P. Dumka, and D. R. Mishra	International Journal of Ambient Energy	2020	3	Jaypee University of Engineering and Technology, Guna	Nil
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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
Modelling conventional	Rishika Chauhan, P. Dumka,	International Journal of	2020	8	Nil	Jaypee University of Enginee

al and solar earth still by using the LM algorithm-based artificial neural network	and D. R. Mishra	Ambient Energy			ring and Technology, Guna
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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	22	41	Nil	7
Presented papers	1	1	Nil	Nil
Resource persons	2	10	Nil	2
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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)
Chemical Engineering and Chemistry	Consultancy Services for Improvement in Clinker Strength	Shriram Cement Works, Kota, Rajasthan	113280
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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
Transit Facility for Students from Kota during COVID-19	JUET/Local Govt. Administration, Raghogarh, Guna	7	400
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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
Sci-Ex Competition	II Position	BML Munjal University	1
No file uploaded.			

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	ISF, JUET, Guna	E-Waste Collection	2	20
Swachh Bharat	JUET Guna	Swachhta Abhiyan, Water Conservation, No Plastic Use	4	18
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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
NA	NA	NA	0
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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
Job Training (ECE)	MATLAB Project	IIT Kanpur	13/11/2019	19/11/2019	Ashutosh Pandey
No file uploaded.					

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
VR/AR/MR, New Delhi	07/10/2019	To open a Center of Excellence in area of VR and AR	1
University of Florida, Gainesville, USA	01/07/2019	8th semester study under credit transfer scheme	1

Computer Society of India (CSI), Mumbai	27/04/2020	Development of a Digital Forensic Research Center	4
No file uploaded.			

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	44.88

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Newly Added
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
View File	

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 patially)	Version	Year of automation
Liberty	Fully	5.0	2004

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	27872	10963493	392	143362	28264	11106855
Reference Books	7033	15769100	67	99391	7100	15868491
e-Books	7385	Nil	Nil	Nil	7385	Nil
Journals	23	50538	Nil	Nil	23	50538
Digital Database	4	1188353	1	543048	5	1731401

CD & Video	2259	Nil	3	Nil	2262	Nil
View File						

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
Dr. Nileshkumar R. Patel	G SUITE Config	Youtube	05/08/2020
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	820	558	1497	30	0	54	73	1049	105
Added	30	30	35	0	0	0	0	0	0
Total	850	588	1532	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
Desktop, Webcam, Digital Camera, Video camera, Digital Board, Projector Over head, projector, G-Suite, Kdenlive, OpenShot, ZOOM, WEBEX, GOTOMEETING etc.	https://www.juet.ac.in/NAAC/Econtent.php

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
545	522	225	199

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)

<p>Laboratory: Well equipped laboratories in respective departments are available in the University to fulfill the need of programs being offered. Laboratories are well designed to support teaching, learning and research needs. Few interdisciplinary labs are also there which are used by more than one department as per the requirement. Considering talent demand for</p>

interdisciplinary technologies such as AI/ML and AR/VR, establishment of Phase-1 for AI/ML Lab and AR/VR Lab is completed. A State-of-the-art Boundary layer Wind Tunnel experimental facility is established at Wind Engineering Application Centre of JUET. It is used for investigating dynamic wind effects on various types of buildings and mobile structures such as ships and to provide innovative solutions for industrial problems, besides achieving excellence in Wind Engineering research. All the labs are designed with motive that hands on learning with appropriate usage and exposure to latest equipments augment the conceptual understanding of the students. Library: The primary function of library is to implement, enrich and support the educational program of JUET. The LRC provides a wide range of study materials at various levels of sophistication with diversity and different points of view. It is a place to study in a clean and quiet environment, reading text, reference books, newspaper, journals, technical magazine, access to the educational sites and other avenues related to the modern academic system to enhance existing knowledge. Library Automation System provides ease to utilize the LRC facility by all users. The first year undergraduate students are benefitted with a book loan scheme. SMS alert, OPAC and many more modern facilities are fully operational in LRC. Sports Complex: A healthy mind resides in a healthy body. To ensure that the students have adequate access to different games and sports, the University has well maintained sports facilities for the overall personality development of future engineers, entrepreneurs, and technocrats. Well equipped gyms are housed in hostels and well maintained Cricket and football fields, basketball, handball, volleyball grounds, swimming pool in girls hostel and courts for indoor games i.e. badminton and table tennis are available for students in JUET. The sports club of University organizes the events in well planned schedule with the help of the student's team for each sport. A sports instructor along with other supporting staff facilitates students with required supervision and guidance. Computers: Academic blocks of JUET premises including hostel and accommodation, are connected via LAN through the latest IBM Servers. The switching has been implemented through latest Cisco switches with fiber as backbone and E-Cat6 for desktop connectivity. The IT Cell provides advanced computing facilities to the academic and administrative community of the university. It also conducts and supports application development projects and other services like counseling, finance, pay-roll, student's registration through Campus software. Required licensed software products are available to the users through central facilities. Classrooms: University has well equipped 32 classrooms and 17 Lecture Theaters. For the smooth functioning, a centralized time table committee is formed every year to manage the occupancy of these resources.

<https://www.juet.ac.in/NAAC/2019-4.4.2.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	Fees concession to students based on merit cum means basis	49	5084675
Financial Support from Other Sources			
a) National	Cognizant Pune, Internship	1	48000

b) International	NIL	Nil	0
View File			

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
Introduction to Yoga Meditation	06/09/2019	150	JUET, Guna
View File			

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
2020	Aptitude Training Classes For Campus Recruitment Preparation By Freelancer trainer Mr. Ranjeet Eldow	40	40	Nil	40
2019	GATE Classes (ECE)	7	7	Nil	Nil
2019	GATE Classes/GRE/CAT (CE)	48	48	2	18
2019	GATE (MEC)	21	54	2	Nil
2019	Personal counselling and mock interview	378	378	Nil	Nil
2019	Mock Online tests	378	Nil	Nil	286
2020	Mock Online tests	186	Nil	Nil	Nil
2020	Course on Logical and Quantitative Techniques	186	186	Nil	65
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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
3	3	7

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
Abhidhya Technologies	5	1	ORI Ltd	11	1
View File					

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
2019	1	B.Tech	Civil Engineering	VIT Vellore ,	M. Tech.
2019	1	B.Tech	Civil Engineering	NIT Bhopal,	M. Tech.
2019	1	B.Tech	Civil Engineering	NIT Raipur,	M. Tech.
2019	1	B.Tech.	ECE	The University of Texas Dells, USA	MS
2020	1	B.Tech.	Chemical	Technical University Dortmund	MS
2020	1	B.Tech.	Civil Engineering	VIT, Vellore	M. Tech.
2020	1	B.Tech.	Civil Engineering	BITS Mesra	M. Tech.
2020	1	B.Tech.	ECE	NIRMA University	MBA
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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	4
CAT	1
GRE	2
No file uploaded.	

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

Activity	Level	Number of Participants
Poster Making Competition (Women Fitness Safety)	University	30
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	NIL	National	Nil	Nil	Nil	NA
No file uploaded.						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students are involved in various committees like JYC, DLC (Department Level Committee). Training and Placement cell, COVID response committee etc. COVID -19 Response Committee (CRC) The COVID-19 pandemic has affected educational systems worldwide, leading to the near-total closures of universities. Government decided for temporarily closure of campus activities of educational institutions in an attempt to reduce the spread of COVID-19. University closures impacted not only students but also wider part of the society including teachers, parents and families. Online learning has become a critical lifeline for education, as institutions seek to minimize the potential for community transmission. Consequently, in view of the prevailing situation JUET Guna has shifted to e-learning mode as per advice of UGC and other regulatory bodies. The University connects with students through e-learning modules. University has also acted proactively and in view of the difficult scenario faced by the students due to the outbreak of COVID-19. COVID -19 Response Committee (CRC) for dealing with all issues which student may face during time of pandemic. The role of the committee is as follows: (a) Educating the students about the latest updates related to COVID-19 and dispelling any anxiety or rumours. (b) Obtaining feedback on the various measures in place and their efficacy. (c) Creating peer awareness amongst students to ensure all safety norms. (d) Maintaining record of all CRC meetings, points raised, action taken and dissemination. The students are the necessary part of the committee and they provide valuable suggestions JUET Youth Club (JYC) - The JUET Youth club, popularly known as JYC, amongst students and faculty members, was formed in 2004. Since its formation, it is responsible for organizing various literary, cultural, sports and technical events every year. JYC endeavours in gainfully utilizing its members' time and energy beyond the normal academic activities, which help them to inculcate the moral values and feeling of social responsibility in them. The JYC has four wings namely Literary Wing, Cultural Wing, Sports Wing, Arts Events Management Wing. Each wing is responsible for organizing and managing their own events. JYC students committee is formed every year to facilitate smooth conduction of all the events. Apart of these wings Media wing is also there to capture the memories of the events conducted by all wings. Training and Placement Cell The University has an active Training and Placement Cell. The Training and Placement events are being coordinated by TP student volunteers.

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 1710 members are available which usually send their details to the university.

5.4.2 – No. of registered Alumni:

1710

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

JUET Alumni Association is a registered body of the university. JUET Alumni association regularly conducts meetings and various activities to connect the current students with the alumni. A meeting of alumni committee was held on February 13, 2020. In the meeting it was decided to organize the Alumni meet on April 18, 2020 but unfortunately due to pandemic situation the event "Alumni meet-2020" was postponed. Meanwhile, ample alumni sessions of Webinars and expert lectures organized throughout the year to upgrade and motivate the existing students. COVID-19 has hampered face to face education through offline mode, but JUET Alumni Association has turned this period into several opportunities for the audience particularly the students to upgrade their skills as per Industry requirement. A number of alumni participated in these sessions. The sessions were held on 12, 13 and 14 May, 2020 on "Building your Career in Emerging Technologies during COVID-19. Mr. Akash Jain, CE (2008-12) currently Executive Assistant to CEO and MD in LT Ltd, Mumbai India, Mrs. Sameeksha Saxena, Chemical Engineering (2006-10) and Sajal Singhal, CSE (2012-16) were the distinguished personalities who enlightened the audience on various emerging technologies which are important for the industries. Mr. Akash Jain one of the JUET alumni have also pursued his M.Tech. from Indian Institute of Technology, Delhi. He has illuminated about the technologies coming up particularly of the civil and construction industry. Mrs. Sameeksha Saxena has also pursued her post graduation (MBA) from XLRI, Jamshedpur, India. Currently, she has been working with TATA Steel, Jamshedpur, India. She shared her learning and experience in manufacturing industry with current students. She was very interactive during the session and conversant about the latest technologies related to Manufacturing Industry. Mr. Sajal Singhal was a relative novice as compared to other alumni in the session, but Sajal Singhal has depicted his talent and learning well and acquired commendable position in Oracle. He also presented the latest important technologies for students to learn and inculcate as skills. Next session was held on May 20-21, 2020 on "Scope of Engineering Skills and Technologies after COVID-19". This session was

given by Utkarsh Anand, CSE (2014-18), Madhur Bansal, Mechanical Engineering (2011-15) and Ratnambar Singh, Civil Engineering (2010-14). The session elucidated the audience on Engineering skills and Technologies and bestowed confidence among the audience. Mr. Madhur Bansal has always been focused on entrepreneurship. He highlighted the aspect of risk taking in ones career. This session has been a beneficial experience for the audience, evident by their participation and feedback.

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)

The policy of the University is to always promote decentralization and participative management practices through educational and administrative autonomy. Various stakeholders are involved in the process of decision making. For the realization of the above policy, various committees are formed, involving stakeholders including students. COVID-19 pandemic has plunged the world to drastically reinvent ways of coping with the 'new normal'. Thus immediate and effective response of the university to the crisis was to go digital. University is using robust online platforms like G Suite, Acadly and Mettl to conduct exams and regular classes to offer continuity in learning. Although it's not easy to bridge the gap between offline classes and online classes, university has developed a systematic process of conducting and monitoring online classes. Regular feedbacks by faculty members and students, recordings of lectures, online assignments and random quizzes, case studies and tutorials are few activities focused by the University for ensuring students stay involved and active in the learning process and also to provide quality education. The Committees constituted for the smooth functioning are:- 1. COVID-19 response committee 2. Department Level Committee (DLC) and University Level Committee (ULC) to collect feedback and monitor online classes. 3. Students grievance cell for academic and examination activities due to COVID-19 situation 4. National Academic Depository cell (NAD) 5. Equal opportunity cell Committee for Differently abled persons 6. E-waste disposal committee 7. Other Committees such as University Standing Committee, LRC Committee, Time Table Committee, Unfair Means Committee, University Discipline Committee, Training and Placement Committee, Anti-Ragging Committee, Anti-Ragging Flying Squad, Hostel Warden Committee, Women Anti Harassment Cell, JUET Youth Club, Server Room, IT infrastructure and Website Committee, Central purchase committee. Online clearance and No dues of students were introduced to minimize paper and physical presence of students. In order to have structured development of the University with a view to address knowledge advancements, changing needs, shortcomings and outreach expansion, grievance redressal mechanism is in place. Departmental meetings are regularly held for allocation of courses and for academic progress. HOD meetings with Deans and Vice Chancellor are organized to discuss the department and University level issues, planning of new programmes, attendance, extra and co-curricular activities, etc. These matter are also discussed and considered by Board of Studies (BOS) and Academic Council through which participatory decision making and accountability are emphasized. The University also ensures regular meetings of statutory bodies.

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
---------------	---------

Admission of Students

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 (12th) 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. - IIInd 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. • 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 take the interview directly. The final selection is based on the recommendations of the selection committee. B.Sc. Hons. programmes • Minimum qualification for admission to the first year B.Sc. in Mathematics/Physics/Chemistry shall be the qualifying higher secondary school certificate examination (12th in Physics/Mathematics/Chemistry/Comp.

Science/ Biology) scheme with Physics, Chemistry and Mathematics conducted by CBSE, New Delhi, Board of M.P., or an equivalent examination from a recognized Board. Candidates, who fulfill the minimum eligibility criteria, are required to take the written test. The final selection is based on the recommendations of the selection committee. M.Sc. programmes • Minimum qualification for admission to the first year M.Sc shall be the B. Sc. with Mathematics/Physics/Chemistry as one of the subject or BE/BTech in Comp. Sc. Candidates, who fulfill the minimum eligibility criteria, are required to take the written test. The final selection is based on the recommendations of the selection committee.

Industry Interaction / Collaboration

To improve interaction with industry, community and other stakeholders the following strategies are adopted by the university: o Training Placement activities, o Research and Development activities, o Consultancy activities in University, o MoUs and collaborations with institutions/industries like CSIR, CAIR, University of Florida, MNNIT Allahabad etc. through: • Participation of experts from industry in curriculum development. • Practical training of students in industries. • Providing fellowship as per University guidelines for it. • RD Laboratories at the University.

Human Resource Management

To improve the skills and to motivate the people university has conducted a series of various Faculty development programs, Staff development programs to support interdisciplinary connections by encouraging team-teaching, the development of multidisciplinary courses, and the development of learning communities for students. 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.

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. URKUND is completely automated system against plagiarism to promote academic integrity being successfully used at university. Digital copy of degrees of all the students from 2011 batch to 2019 passing out batches have been uploaded on National Academic Depository (NAD) as mandated by UGC for easy access by students.

Research and Development

University has following research and development facility: • Cement Research and Development Centre (CRDC) • Wind Engineering application centre (JP-WINCENTRE) • Advanced Manufacturing Laboratory (AML) • Housed with Rapid Prototyping, Operating Thermal Simulator (OTS) • MoUs with few research institutes and Universities. • Computer labs equipped with latest configurations.

Examination and Evaluation

Online platforms like Acadly, Mettl, G Suite are being used by the University for the Conduction of exams for both lab courses as well as theory courses. Examination and Evaluation through Ordinance clauses ensures accountability and evaluation through IRP tools.

Teaching and Learning

Digital learning is the key to education these days. After COVID-19 pandemic university has shifted its entire focus on digital learning. Online system of conducting exams and regular classes through various platforms like Acadly, Mettl, G Suite has been used. Regular feedbacks regarding various aspects of academics are taken by students, parents and faculties. University has 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, SWAYAM, COURSEERA, Udemy, Online Quiz, A/v facility, field visit, minor and major projects, electives courses, student interaction monitoring, mentoring, mock interviews, technical societies, GATE classes, and campus recruitment training program to fulfil its mission.

Curriculum Development

On the basis of Feedback from all stakeholders and New Education Policy (NEP), 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. Additional courses in the form of minor specialisation has been started by all the departments for better employability and fulfilling one's choice to develop his/her career in specified field.

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

E-governance area	Details
<p>Planning and Development</p>	<p>Improved education system: e-governance allows use of information and communication technologies with the aim of improving education information, service delivery, encourage students' participation in the decision making process, making administration transparent and effective. To facilitate the same, the university has been using Webkiosk, G Suite, Acadly and Mettl, for conduction of classes and exams, finance and accounts, Employees information, attendance etc. Apart from these G Suite id for faculty, staff and students have been made and all communication is done through those. Other means through which development by e-governance is ensured in the University are conduction of conferences, workshops, faculty development programs, STTP, webinars both in-house as well as of other institutions, and interaction with outside experts.</p>
<p>Administration</p>	<p>Implementation of e-governance 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, use e-governance and are disseminated by email. Moreover the framing of programs as per the LOCF Guidelines under CBCS and Students' attendance management is done 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 bulk SMS based service, text message is sent to the parents. On line</p>

	<p>process of No dues of students was successfully implemented in this period.</p>
<p>Finance and Accounts</p>	<p>Finance/Accounts division of university functions on e-governance using CampusLynx. Before the commencement of every semester student submitted their fees by checking their dues on webkiosk and finally transfer the amount via e-transactions. 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.</p>
<p>Student Admission and Support</p>	<p>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 can see the same information and update it. Digital copy of degrees of all the students from 2011 batch to 2019 passing out batches have been uploaded on National Academic Depository (NAD) as mandated by UGC for easy access by students.</p>
<p>Examination</p>	<p>The examination process is tuned for continuous evaluation, transparency, timeliness, objectivity and fairness. Question paper setting aims at promoting understanding of the subject rather than rote learning. All results are declared as per schedule of the academic calendar. At every stage, students are given ample opportunity to discuss their exam -evaluation with the concerned faculty members. The results are recorded through a software solution. Ph.D. evaluation follows a standard two-examiner system- one foreign and one Indian. The success of the teaching, learning and evaluation system prevalent in JUET can be</p>

assessed by the achievements of the passed out students. After COVID-19 pandemic university has shifted towards online conduction of exams through various platforms like Acadly, Mettl and G Suite as per the guidelines of UGC.

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
2020	NA	NA	NA	Nil
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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)
2020	NA	Social media awareness session for Non teaching staff members.	24/07/2020	24/07/2020	Nil	62
2020	Technical report writing for teaching staff.	NA	19/03/2020	21/03/2020	8	Nil
2020	NA	Technical report writing for non teaching staff	19/03/2020	21/03/2020	Nil	4
2019	Skill Oriented Computer Training Program for Staff	NA	19/12/2019	21/12/2019	Nil	18

Members

No file uploaded.

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
AICTE Faculty induction programme on 'Universal Human Values for student induction'	71	16/09/2019	18/09/2019	3

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
1	Nil	5	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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.	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.	Support for bank Loan, Group Accidental Insurance Plan for Student/Parents, Support for Certificate / PG Program with selected organizations.

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. Board of Management 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. At the beginning of the academic year, departments submit an annual budget for their activities. The BOM reviews the budgets submitted and allocate the required funds. 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	Funds/ Grnats received in Rs.	Purpose
----------------------------	-------------------------------	---------

funding agencies /individuals		
NA	0	NA
No file uploaded.		

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	Yes	NA	Yes	HOD/Dean
Administrative	Yes	NA	Yes	HOD/CFC/Registrar

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

NA

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

Regular interaction with the parents regarding their ward performance in academics as well as non-academic activities takes place through mentors. University also has grievance redressal cell to address the grievances.
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6.5.4 – Development programmes for support staff (at least three)

<ul style="list-style-type: none"> • Social media awareness session for Non teaching staff members. • Technical report writing for non teaching staff. • Skill Oriented Computer Training Program for Staff Members.

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

B.Tech. Curriculum with Minor Specialization, Value Added Courses, Visits of Prominent Dignitaries and Expert Lectures, Active Participation of Social Activities, Dynamic Alumni Portal, etc.
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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
2020	Mentee-Mentor Interaction	06/01/2020	01/07/2019	14/08/2020	1281
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

		community					
2019	1	1	07/09/2019	2	Swachhta Abhiyan	Water harvesting and harmful effects of plastic	23
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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)
Handbook on Code of Ethics for Students of JUET, Guna, M.P.	04/08/2020	It is also expected from the students to strictly adhere to the laid down guidelines to foster healthy teaching learning environment in the university campus. Students are also supposed to behave in a dignified manner to maintain decorum inside the academic blocks.
Handbook on Code of Ethics for Faculty and Staff of JUET, Guna, M.P.	04/08/2020	All the faculty and staff members perform their assigned duties with utmost sincerity and diligence which clearly demonstrate their commitment to abide by the University's Handbook on code of ethics.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Swatcha Bharat Abhiyan	22/09/2019	22/09/2019	350
Traditional Night	23/11/2019	23/11/2019	700
Language Day	21/02/2020	21/02/2020	150
FDP on Incorporating Universal Human Values in Technical Education	16/09/2019	18/09/2019	71
Gandhi Jayanti 150 Birth anniversary	02/10/2019	02/10/2019	1200
Vigilance Awareness Week	02/11/2019	02/11/2019	200
Education class on Human Values and Professional Ethics	24/12/2019	14/08/2020	88

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

Few initiative taken to make the university campus eco-friendly are mentioned below- 1. Plantation drive was carried out to commemorate the World Environment Day on June 5, 2020. These plants when converted into grown up trees will further augment the green belt of the university campus. Awareness programs were also conducted on this day to raise the consciousness among university inhabitants regarding the importance of trees in their day to day life. 2. Electronic waste management policy and practices are in place. In the light of this, the ECE department took an initiative to collect e-waste from the campus and segregate them based on their suitability. Besides, students are also utilizing e-waste from computers, electronic devices etc in their projects. 3. The pollution free environment also plays a vital role in making the campus eco-friendly. In spite of the fact that the pollution levels in the university premises is already at minimal, the university witnessed surge in the use of bicycles in the recent times. 4. The campus has a beautiful lake with a huge capacity of 1500 lakhs litres surrounded by trees, attracts many migrant birds of rare species with an upsurge seen every year on account of persistent efforts made by the university administration to make campus environment friendly. The wet garbage collected from the Annapurna is converted into organic manure, which is further used for vegetable cultivation in the campus. The university has been into this practice for many years but the variety of vegetables grown, their quality and land under cultivation has witnessed a significant rise this year. A full time horticulture expert is employed by the university.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: University-Alumni Knowledge Exchange Programme (UAKEP) (www.alumni.juet.ac.in) Objectives of the Practice To exchange the information about the university to the alumni and alumni achievements, internships and job prospects to the current students. The Context Alumni association for any institution plays a pivotal role in the success. The engagement of pass out students through alumni association is regarded as a backbone for the growth trajectory of any educational institute. Although, JUET, Guna stressed upon the strong relationship with its alumni, but academic year (2018-19) JUET have specifically emphasized on the exchange of the information between current students and alumni. Furthermore, it becomes its one of the best practices to foster engagement through university-alumni knowledge exchange programme (UAKEP) between alumni and its alma mater. Being the primary stakeholders, alumni are always considered the most important stakeholder for nurturing long term university and students' goals. The Practice The University has a dedicated alumni portal on which alumni and students register themselves which in turn provides a platform for them to actively participate and witness various activities of the university. Some of the key features of alumni association are as follows: (i) News updation: The alumni portal regularly updates the information of the registered students in terms of their position in the current organization, promotion or job change, thus acts as a medium of communication between the students which lasts ever. In the same way, university also posts important events of the campus on which alumni can write their comments as a stakeholder. (ii) Expert lectures: The University also organizes expert lectures of distinguished alumni in their respective fields. These lectures provide insights about the emerging technologies in various areas of engineering. (iii) Career guidance and mentoring: Alumni also act as a mentor for the current students. Their advice, particularly for third and final year students, paves a way in choosing and

shaping their career. (iv) Participation in curriculum design: The university takes alumni onboard in the design of curriculum and give due importance to their suggestions. (v) Alumni recognition through social media platform: The achievements of the alumni are also posted on different social media platforms to enable outsiders know about the strengths and academic potential of our students. Evidence of Success It has been evident from the alumni portal that the alumni and current students are engaged by exchanging the information related to internship, jobs and subject related information. Now, the alumni have been posting their achievement, new joining, their promotion and any award they received from the employer and they are visually seen by their alma mater and the current students. Alumni working with top MNC's and bureaucrats are spending their time in guiding current students for upcoming placements and other competitive examinations. Alumni are heavily engaged in delivering lectures and webinar sessions. Problems Encountered and Resources Required This practice requires well-committed teaching faculty and students team that has the desire to help students beyond teaching hours. There are no limitations or constraints faced during implementing the program

2. Title of the Practice: Cleanliness Awareness Drive (Swachhta Pakhwara)

Objectives of the Practice: To create a hygienic and green environment for the overall development of all the university inhabitants. The Context The conducive atmosphere provided by the clean and green environment is considered to be the essential requirement for the inclusive growth of students in the field of academics, sports and co-curricular activities. The neat and clean campus helps in instilling positive energy and enthusiasm in the students to meet day to day challenges. Keeping this in mind, university always accords a top priority to maintain eco-friendly environment in the campus. The Practice In view of this, the University offers a lush green campus sprawling over 4,85,622 sq. m of land area with 2,06,000 sq. m land completely dedicated for horticultural activities. In the last one year, the university emphasized largely upon water conservation and no plastic use in the campus. In addition to this, cleanliness drives were also organized in the campus to make inhabitants aware about the importance of clean surroundings. The university was also instrumental in extending this drive to the nearby villages. Under this program, some of the villages in the vicinity of the University were visited by a group of students along with one faculty member to create awareness regarding rain water conservation and ill effects of plastic. Evidence of Success There is no litter found lying anywhere in the academic blocks, roads, hostels as all the inhabitants follow a practice of disposing rubbish in a bin positioned at all the prominent locations in the campus. Outsiders who visit the university campus on various occasions appreciate the efforts put in by the administration to make the campus look neat and tidy. Problems Encountered and Resources Required Initially one of the main difficulties faced was to inculcate habits among the residents of the university in terms of importance of hygienic and litter free environment, which was accomplished through conducting cleanliness drives.

7.3 Institutional Distinctiveness (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)

Jaypee University of Engineering and Technology is located in Raghogarh, a remote place, 32 kms away from Guna and surrounded by vast rural area. This university has been established with a vision to empower people in various aspects of life, living in the nearby areas/villages, also in tune with University's motto of "Knowledge is Power". The university has time and again upheld its commitment towards the socio-economic development of the adjoining areas thus making it eligible as one of the distinctive features of this place. One of the main issues in the rural areas is the importance of cleanliness and water in one's life. The university took cognizance of this matter and in this academic year, a group of faculty, staff and students visited the nearby villages. Awareness programmes were conducted to make people understand (i) the ill effects of plastic, and (ii) the issue of water scarcity in the coming

years hence ways to be adopted for rain water harvesting to deal with this momentous problem. Although, these types of events can't bring an immediate behavioural change in their life style but would gradually make an impact on their mind. In the month of April and May 2020, during COVID19 pandemic lock down period, daily wagers were the ones who suffered a lot. During these unprecedented times, the faculty and staff of the university donated wholeheartedly for the welfare of the needy in the surrounding villages by distributing food packets for nearly two months. Apart from this, there has been a consistent rise in the number of students taking admission in various courses in the university, residing in nearby areas. The 12th standard CBSE affiliated "Jay Jyoti School in the campus has also been actively involved in imparting quality education to the nearby children. This university is considered to be an education hub in this remote location and has been relentlessly working for the overall development of this region.

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/2019-7.2.pdf>

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Provide the weblink of the institution

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

8.Future Plans of Actions for Next Academic Year

1. International relations with the institutes and universities all over the world play a key role in the students' career in exploring diverse academic environments. The collaboration with the foreign universities, by signing a MOU, involving student exchange and credit transfer programmes is a first step in

meeting this objective. The policies regarding the same would be framed. 2. The provisions proposed in the New Education Policy (NEP 2020) would be implemented in a phased manner. As one of the guidelines, NEP 2020 proposes inclusion of research in undergraduate courses. In order to realize this aim, the undergraduate students would be motivated to undertake research activities in the areas of their choice under the supervision of an appropriate faculty member. The multidisciplinary research has also been emphasized upon in NEP 2020, which would also be the focus area in the next academic year. 3. The university will adopt nearby villages and organize awareness drives regarding eco-friendly practices. Under this initiative, the team of faculty, staff and students would be constituted to visit nearby villages on a regular basis to make them aware about (i) organic farming, (ii) recycling of farm waste, (iii) water harvesting, and (iv) renewable energy etc. 4. There is a need to sensitize youth towards gender equality which is an important aspect in becoming a responsible citizen of the country. In view of this, more events related to gender equality and human values would be organized in the form of seminars, awareness programmes, and role plays etc. 5. The recharging of underground water and its availability for longer period of time inspires to cultivate plant varieties which require lesser amount of water. Although, university maintains a lush green campus, the horticulture department would be giving emphasis on planting saplings which demand lesser water for growth. 6. Energy conservation is another important area which needs more focused attention. The university will explore ways to start using renewable sources of energy to reduce dependence on conventional sources of energy and save energy bill at the same time. 7. The receipt of donations from the alumni utilized for the development of academic facilities displays their affection towards alma mater. The university is looking forward to raise fund from the alumni in the upcoming academic year.