



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	JAWAHARLAL DARDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, YAVATMAL
Name of the head of the Institution	Dr.Ramchandra Suresh Tatwawadi
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07232249584
Mobile no.	9922016222
Registered Email	naacjdiet@gmail.com
Alternate Email	principal@jdiet.ac.in
Address	MIDC Lohara
City/Town	Yavatmal
State/UT	Maharashtra
Pincode	445001

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Rural</b>
Financial Status	<b>private</b>
Name of the IQAC co-ordinator/Director	<b>Dr.Sachin V.Bhalerao</b>
Phone no/Alternate Phone no.	<b>07232249586</b>
Mobile no.	<b>9881177646</b>
Registered Email	<b>naacjdiet@gmail.com</b>
Alternate Email	<b>sachin_bhalerao@jdiet.ac.in</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://jdiet.ac.in/pdf/NAAC_Accreditation_AQAR.pdf">_http://jdiet.ac.in/pdf/NAAC_Accreditation_AQAR.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://jdiet.ac.in/Academic_Calender.php">http://jdiet.ac.in/Academic_Calender.php</a>

**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>B++</b>	<b>2.8</b>	<b>2018</b>	<b>26-Sep-2018</b>	<b>25-Sep-2023</b>

<b>6. Date of Establishment of IQAC</b>	<b>08-Jul-2014</b>
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**7. Internal Quality Assurance System**

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
<b>Promoting Start-ups</b>	<b>19-Sep-2019</b>	<b>160</b>

through awareness program	16	
Start-up submission at Incubation Centre and uploaded on MSME Portal for grant in aid	17-Jan-2020 5	8
Entrepreneurship Development Programme for students	12-Sep-2020 3	243
NAAC AQAR STATUS AND PROGRESS	27-Feb-2020 1	12
NBA Orientation for getting all the programs run by institute NBA accredited.	27-Feb-2020 1	12
Fostering Innovation by Taking Initiative in calling innovative ideas to be submitted to the Institutes Incubation Centre.	12-Aug-2019 1	14
Promotion of Research by orientation program for Ph.D faculty to get registered as supervisor and for heads to get research lab recognised.	12-Aug-2019 1	14
Inculcation of sense of responsibility towards society through schemes like Unnat Bharat Abhiyan.	20-Aug-2019 1	6
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**8. Provide the list of funds 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
<b>No Data Entered/Not Applicable!!!</b>				
<b>No Files Uploaded !!!</b>				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	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	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Promoting Startups through awareness program Planning of skill development programs for faculty and students to bridge the industry institute gap and nurturing Innovation by taking initiative for establishment of Innovation and Incubation Centre as per the norms of MSME. Strengthening Industry Institute Interaction. Adaptation of various ICT based tools and techniques for Enhancing online teaching learning during the pandemic period. Preparations for filling up NAAC AQAR and participation in NIRF. Orientation programs for NBA and adopting OutCome Based Education. Inculcation of sense of responsibility towards society by adopting villages and registering for schemes like Unnat Bharat Abhiyan.

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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
Adaptation of various ICT based tools and techniques for Enhancing online teaching learning during the pandemic period.	942 students and 77 subject teachers joined the network for the online education. 464 videos, 1296 ppts/pdfs and 885 links were uploaded by the faculty members to teach 125 subjects. 377 Multiple Choice Questions and 393 Assignments were uploaded and evaluated during the complete session.
Entrepreneurship awareness among students to create budding entrepreneurs	Entrepreneurship Training Program for students were conducted.
Planning of skill development programs for faculty and students to bridge the industry institute gap and nurturing Innovation by taking initiative for establishment of Innovation and Incubation Centre as per the norms of MSME. Strengthening Industry Institute Interaction.	Various innovative ideas for startup were called by JDIET Incubation Centre for further processing.
Enhancing Industry Institute Interaction through visits and MOUs. Bridging the gap between curriculum and industry requirements. Making the	Different MOU's signed by various departments

students aware of latest trends in technology.	
NBA Orientation for getting all the programs run by institute NBA accredited.	Training and orientation of staff for NBA through several training sessions conducted by senior faculties of the institute
Personality and Skill Development through Induction Training Program for First Year Students.	145 students got Personality and Skill Development.
Participation in NIRF for performance assessment of the institute on key parameters like quality of placement, results, IPR etc	Collection of data from all departments, verification and compilation of collected data. Submission of NIRF application.
Filling up NAAC AQAR. Data collection , Compilation and Summarization	NAAC AQAR Compiled for submission.
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
College Development Committee	27-Feb-2020

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes
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Date of Visit	08-Sep-2018
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
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Year of Submission	2020
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Date of Submission	03-Mar-2020
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<b>17. Does the Institution have Management Information System ?</b>	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The Institute has a MIS (Management System Software) for fast and efficient processing of information. This software is an intranet based software which can be used by all the departments for storage and processing of data at department level and also at Institute level. It has different modules like employee, student, store, time table, accounts, attendance etc..These
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modules can be used to generate reports in the required format. These reports can be by different stakeholders for required purposes. Later on this software was upgraded into a complete ERP CAS software CAS ERP software is a complete and extensive college administration software purchased by the institution on 21/12/2018. The approximate cost of the ERP software is 708000/ . It consists of 23 different modules integrated in a single package for optimizing and simplifying the working of different departments of the institute. The software is currently operational and certain maintenance and updations to the software are being carried out to meet the specific requirements of the institute. There are certain reformations in the Organisation module, Student Module, Time Table Module, Exam module, Result analysis, feedback and Student support module.

## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

A detailed academic calendar was prepared by the Institute Academic Coordinator for the session 2019-20 under the directions of the Principal. Further the departments prepared their departmental academic calendars which consisted the dates of commencement and end of curriculum delivery, time tables, schedules for conduction of the internal assessment tests and department level co-curricular and extracurricular activities. The faculty members were instructed to prepare the teaching plans at the beginning of the semester and use innovative ICT based teaching methods. The faculty members were advised to prepare and maintain their course files which contains topic wise teaching plans of the subjects in the current semester and implementation plans of previous semester, lecture dairy notes, tutorial exercises, hard copies of e-material, set of question papers, contents to be taught beyond syllabus and results of previous semesters. These course files are reviewed and updated on a regular basis. All the academic activities were e-planned, e-implemented, e-monitored and e-controlled by using a College Administration System (CAS). The teaching plan and implementation plan of each course was entered in CAS by the concerned faculty member and the activity was monitored at regular interval of two weeks by the Head of the Departments, Academic Coordinator and Principal. The complete process is governed and the notices of deficiencies were properly circulated to the concerned departments/faculties. Curriculum delivery was augmented by supplementing classroom teaching with laboratory sessions, expert talks, seminars, workshops, training sessions by experts from industry and reputed institutes. The batch size during the performance in the laboratory sessions was kept minimum (15-20) so that each and every student could get an opportunity to completely participate in the conduction of experiments.

Remedial classes were conducted to improve the performance of the students who were academically weak and admitted through lateral entry scheme. The faculty upgraded themselves by attending Faculty Development Programs to enrich the quality of curriculum delivery. Various audits like Academic Audits, Student Feed Back, Staff Feed Back, Alumni Feed Back, Staff Appraisals and Parents Feed Back were periodically conducted in order to increase efficacy of implementation,. The outcome of all these feed backs/audits are used to improve the quality of curriculum delivery time to time. During the pandemic period education system has turned towards delivery of education system via the internet-or online education. Looking in to the future loss of the students the institute immediately preferred to adopt the tool of online education for the students. All the faculties were directed to complete the syllabus of theory and practical of all the subjects including those of First Year using various ICT Tools.942 students and77 subject teachers joined the e-network for the online education.464 videos,1296 ppts/pdfs and 885 links were uploaded by the faculty members to teach 125 subjects.377 Multiple Choice Questions and 393 Assignments were uploaded and evaluated during the complete session.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
<b>No Data Entered/Not Applicable !!!</b>					

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
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#### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	COMPUTER SCIENCE AND ENGINEERING	25/06/2019
BE	MECHANICAL ENGINEERING	25/06/2019
BE	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	25/06/2019
BE	ELECTRICAL ENGINEERING	25/06/2019

#### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

Certificate	Diploma Course
<b>No Data Entered/Not Applicable !!!</b>	

### 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
Personality Development Courses conducted by Prashant Mishra, SBU Head	12/07/2019	832

Campus Solutions Career Ahead India Private Limited, New Delhi.  
 Modules • Aptitude • Reasoning • Personal Interviews and Group Discussion • Interpersonal Relations • Group Dynam

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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
BE	COMPUTER SCIENCE AND ENGINEERING	18
BE	CIVIL ENGINEERING	69
BE	CHEMICAL ENGINEERING	33
BE	ELECTRICAL ENGINEERING	89
BE	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	11
BE	MECHANICAL ENGINEERING	13
BE	TEXTILE ENGINEERING	9
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### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
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

Ten different types of feedback are taken in the institute. A well structured feedback is being collected from the stakeholders like Students, teachers, Alumni and parents on various parameters utilized for overall improvement of the institute. Various feedbacks collected and analysed are explained below: 1. Evaluation of Teachers by the Students: The student feedback for the evaluation of Teachers is collected twice in a semester, for those students having the attendance more than 75. Feedback for theory and practical subjects are evaluated by grades. Separate questioners are given for theory and practical subjects depending on various evaluation parameters like. Planning amp Organization. Teaching Learning Process, Students Participation, Class Management and Evaluation Process. Collected feedback forms are analyzed and assessed based on grades given by the students. Those teachers scoring less than 75 percent of marks are asked to submit the action plan to improve the feedback. In second feedback if there is still no improvement then the



concerned faculty is asked for an explanation. 2. Student feedback for course outcomes[CO] in the curriculum: This feedback is for CO assessment (Indirect assessment) collected year wise, from the students for all the subject outcomes respectively. Students will grade the course outcomes on the scale of 1 to 3. Strongly Agree (1) Partially Agree (2) Disagree (3) Suggestions regarding syllabus improvements are taken and communicated to HODs, Principal and members of Board of Studies. 3. Alumni: Feedback /Survey Questionnaire: In this feedback, details of Alumni and suggestions for curriculum improvement are collected. The feedback is used to compute the attainment levels of Program Outcomes. Suggestions regarding improvement in syllabus is also taken and communicated to concerned authorities. 4. Parent feedback: Feedback from parents is being taken regarding facilities provided by Department and the Institute. Suggestions regarding curriculum improvement are also taken. 5. Feedback from Faculty: Feedback and inputs from faculty for implementation of effective teaching learning process and upgradation in curriculum is collected. 6. Feedback From Experts delivering Lectures and conducting Workshop/Seminar : This feedback is collected from Experts regarding involvement of students in the program, facilities available in the institute and the hospitality offered by the Institute. Similarly a feedback is taken from the students about the utility of the expert lectures, Seminars/Workshops conducted and delivering capabilities of the experts. and input for improvements in conduction and selection of events/experts by students.

## 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
BE	Chemical Engineering	30	56	26
BE	Electrical Engineering	60	51	12
BE	Textile Engineering	30	18	7
BE	Computer Science and Engineering	60	99	54
BE	Civil Engineering	60	101	33
BE	Mechanical Engineering	60	11	11
BE	Electronics and Telecommunication Engineering	30	17	6
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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	Number of fulltime teachers available in the institution	Number of teachers teaching both UG and PG courses

			teaching only UG courses	teaching only PG courses	
2019	977	Nil	85	Nil	85

### 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
85	85	10	41	Nil	12
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

There exists higher heterogeneity in the understanding and performance level of the first year students. Students complete their secondary education through various boards with different curriculum like SBSE, CBSE, ICSE etc. Majority of the students admitted in the institute belong to the remote / rural and vernacular background with a major deficiency in English. Further diploma students directly admitted to second year engineering course through lateral entry generally join the institution late as per the schedule of Common Admission Process (CAP) and hence suffer an academic loss. Also these students are generally weak in mathematics which affects their performance in analytical subjects. Institute runs Teacher Guardian Scheme (TGS) in all the programs through which every student of the institute is mentored by the allotted guardian teacher. The mentors are properly selected, guided and bequeathed with proper tools to persuade students of all levels. The mentor interacts with the students to monitor their academic progress and take corrective measures. It is been observed that the students complete their bridge course in English and Remedial course in Mathematics during their entry levels. Psychometric analysis of the students is done through TGS. In their further years of graduation activities like Implant training, industry internship, industry based projects, etc are regularly carried out from second year onwards which improves their understanding and application skills giving them a sense of participation and contribution. Cocurricular activities like competitions, quizzes, workshops and conferences are regularly arranged in which the slow learners feel motivated to participate and catch up with advanced learners boosting their confidence levels. Special sessions are arranged for slow learners in personality development courses to increase their scores in aptitude tests and group discussions thus enhancing their skills to increase the chances of placement. Academically brighter students are given opportunities to nominate themselves on various student level governing councils which participate in framing policies for development of students through various academic, cocurricular and extracurricular activities.. The Teacher Guardian keeps a record of all these Curricular and Co curricular activities of his allotted mentee Students and guides them time to time to achieve the targets. During the pandemic period the institute could not conduct the co curricular activities physically but online activities were carried out to fill the gaps.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
977	85	1:11

### 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
88	85	3	Nil	24

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	Designation	Name of the award, fellowship, received from
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	state level, national level, international level		Government or recognized bodies
2019	Dr. RAJESHKUMAR U. SAMBHE, National Level	Professor	Outstanding Educationist and Professor of Mechanical Engineering in Maharashtra, India Achievers Award 2019, Blindwink.in, at Hotel Taj Bangalore on 20th Jan 2019
2019	Dr. RAJESHKUMAR U. SAMBHE, National Level	Professor	Distinguished Professor in Mechanical Engineering, AMP Academic Excellence Awards 2019, Supported by IDMBA (Institute For Digital Marketing Business Analytics), Hyderabad, India
2020	Dr. RAJESHKUMAR U. SAMBHE, National Level	Professor	Diploma in Quality Management - Revised 2017 under the category Quality Control on 21st April 2020.
2020	Dr. RAJESHKUMAR U. SAMBHE, International Level	Professor	Graduate Certificate , International Level Online Certificate Program: Introduction to Rocket and Satellite Engineering, April 12 2020, Vice Chancellor of MSU, Russia
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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
BE	EXTC	7	12/10/2019	16/01/2020
BE	EE	8	02/05/2020	09/11/2020

BE	EE	7	12/10/2019	16/01/2020
BE	CH	8	22/04/2020	09/11/2020
BE	CH	7	18/10/2019	16/01/2020
BE	CSE	8	22/04/2020	09/11/2020
BE	CSE	7	18/10/2019	16/01/2020
BE	EXTC	8	02/05/2020	09/11/2020
BE	ME	7	16/10/2019	16/01/2020
BE	ME	8	18/04/2020	09/11/2020
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#### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The overall progress and performance of the student is mapped through continuous internal evaluation. The various internal assessments mechanisms are midterm and end term sessional exams, internal practical viva voce, assignments, seminars and project viva. There are certain reforms introduced in the internal evaluation system. The complete system has been transformed into outcome based education and Blooms taxonomy is introduced in the evaluation system. The reformed assessment is based on knowledge based goals, skills based goals and affective goals (affective: values, attitudes, and interests) and accordingly there is a taxonomy for each. The structure of the sessional papers is based on Blooms taxonomy. Every course is designed to attain a certain course and program outcome and ultimately a program specific outcome. The selection of a certain taxonomy or combination of taxonomies to assess the student's performance depends upon the original goal to which the measurable student outcome is connected. The sessional exams during the session were designed accordingly wherein the knowledge, skill and attitude of the students were gauged. During the pandemic the pattern of exam was changed to MCQ(Multiple Choice based Questions)type.The internal viva voce was structured to properly map the knowledge and skills of the students. There has been reformation in assesment of performance in seminars and projects also. The research thrust areas of all the departments have been identified time to time depending upon the areas of expertise of the supervisors and the facilities available. Students were instructed to finalise their seminars/projects in the specified thrust areas in consultation with their supervisors instead of working in random areas. The evaluation of the seminar was reformed to properly analyze the memorizing, understanding and presentation skills of the students. There were certain reforms in evaluation of the assessment of projects of the students. Various skills of the students like applying, analyzing, evaluating and creating were minutely gauged. Proper weightage was given to innovation, creativity, content, presentation, knowledge application, team work, leadership, initiative, writing skills and publications.

#### 2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The institute almost adheres to the academic calendar for the conduct of Internal Evaluation Examinations. At the beginning of each academic year, the affiliating university gives guidelines about commencement of the semester, end of the semester, schedule of oral, Practical Examinations, Schedule of Examinations and Schedule of Vacation. In the beginning of the semester, the Academic Coordinator, in consultation with the Principal, prepares an academic calendar enlisting the working days, holidays, examination schedule for internal assessment and dates of important events in the semester. Based on this, each department prepares its own departmental academic calendar by including schedule of departmental events. The schedule of the examinations is

announced well in advance. The entire planning, organization and implementation of the examination schedule is carried out and followed by the departments almost adhering to the proposed academic calendar. During the pandemic period all the activities were e-administered and carried out online. The faculty is guided to monitor the pace of the syllabus completion in coordination with the dates of sessional exams so that the total syllabus of the course can be evenly covered in the three sessional exams. Also the pace of practical's conducted in the laboratory sessions is properly monitored to be completed in scheduled time. The pace of completion of seminar and project work is monitored through the project log book which records the quantum of work completed by every student along with time and helps the project guide to monitor it. The seminar schedule and project schedules are well defined and the faculty and students are instructed to follow them.

## 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)

<http://jdiet.ac.in//pdf/5df0d7a3cd7d15df0d7a3cd7da.docx>

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
CSE	BE	COMPUTER SCIENCE AND ENGINEERING	69	69	100
CE	BE	CIVIL ENGINEERING	64	64	100
EE	BE	ELECTRICAL ENGINEERING	44	44	100
ME	BE	MECHANICAL ENGINEERING	60	60	100
EXTC	BE	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	24	24	100
TX	BE	TEXTILE ENGINEERING	36	36	100
CH	BE	CHEMICAL ENGINEERING	23	23	100

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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://docs.google.com/spreadsheets/d/17RSWT9S9q3gK1LC0dpmAraOmGMMGj-9V/edit?usp=sharing&ouid=109863770424992640327&rtpof=true&sd=true>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

### 3.1.1 – 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
Major Projects	730	DST	27.57	4.7
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### 3.2 – Innovation Ecosystem

#### 3.2.1 – 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
Application of AUTOCAD in Civil Engineering	Civil Engineering	21/07/2020
Computer Vision and AI	Electronics Telecommunication	30/08/2019
PLC and Automation	Electronics Telecommunication	29/02/2020
Carrier Opportunities after Graduation	Electronics Telecommunication	14/03/2020
Expert lecture on "Advance Pollution Norms for Vehicals" by Mr. Kapil B. Salve, Depo-Manager, MSRTC Yavatmal, for Final Second year students of Mechanical Engineering.	Mechanical	05/09/2019
Expert lecture on "Falcon 9- A Revolution in commercial Travel" by Mr. Aman Shukla, Faculty of Siemens CATIA, CADCAM Guru , Nagpur, for Final year students.	Mechanical	19/09/2019
Workshop on "Introduction to 3-D Printing" for Second year students of Mechanical Engineering. The workshop was conducted by Mr. Rahul Chule Mr. Nikhil Wadnerkar, Game Design Trainer, Accenture.	Mechanical	13/01/2020
Expert lecture on "Industrial Automation Robotics" by Mr. Mahesh Yelkar, Training Co-ordinator, Department of Robotics cloud technology, RTMNU, Nagpur, for second year students of Mechanical	Mechanical	30/09/2019

Engineering.		
Expert lecture on "Industrial Automation Robotics" by Mr. Anil Tatode, Training officer, Department of Robotics cloud technology, RTMNU, Nagpur, for second year students of Mechanical Engineering.	Mechanical	30/09/2019
Expert lecture on " Self Introduction Goal Setting Skill Development" by Dr. Pradnya A. Sawate, Assistant Professor, Sinhgad Institute of Management, Vadgoan(B), Pune for Final year students of Mechanical Engineering.	Mechanical	25/02/2020
Expert lecture on " Advance Pollution Norms for Vehicals" by Mr. Kapil B. Salve, Depo-Manager, MSRTC Yavatmal, for Final Second year students of Mechanical Engineering.	Mechanical	05/09/2019

### 3.2.2 – 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
<b>No Data Entered/Not Applicable !!!</b>				
No file uploaded.				

### 3.2.3 – 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
<b>No Data Entered/Not Applicable !!!</b>					
No file uploaded.					

## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
<b>No Data Entered/Not Applicable !!!</b>		

### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
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International	Civil Engineering	18	7.00
International	Computer Science Engineering	21	3.00
International	Mechanical Engineering	32	5.00
National	Textile Engineering	3	0.15
International	Textile Engineering	4	0.05
International	Chemical Engineering	6	7.19
<a href="#">View File</a>			

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science Engineering	1
Mechanical Engineering	6
<a href="#">View File</a>	

3.3.5 – 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
Heat Transfer Characteristics of Inclined Helical Coil Tube by Forced and Free Convection : A Review	Dr.S.S.G addamwar	International Journal of Scientific Research in Science, Engineering and Technology	2020	18	JDIET, Yavatmal	3
Maximum Likelihood Probabilistic Model for Pulmonary Embolism Nodule Detection (ML-PPED) using Computer Vision	Pragati D. Pawar, Sanjay L. Badjate	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3S2,	2019	20	JDIET, Yavatmal	2
Recognizing	Sanjay L.	TEST Engineering	2020	10	JDIET, Yavatmal	2



Diffused Parenchyma Lung Disease Patterns through an Efficient Feature Extraction	Badjate, Pragati D. Pawar	and Management, Volume 83, page no. 1 3722-13726				
Effective Power Reduction Scheme for AES using Hardware-Software Co- Design	Padmini G. Kaushik, D r.S.M.Gulhane	TEST Engineering and Management	2020	10	JDIET, Yavatmal	2
Enhancement of heat transfer characteristics using aerofoil fin over square and circular fins	Shrirao, P. N., R. U. Sambhe	International Journal of Recent Technology and Engineering	2019	2	JDIET, Yavatmal	2
Influence of weft density on formability of worsted suiting fabric	G. S. Kakad	Melliand International Journal	2019	0.05	JDIET, Yavatmal	2
Effect of plasma treatment on denim fabric	S.K.Soni	Melliand International Journal	2020	0.05	JDIET, Yavatmal	3
Ayalysis of physical properties of banana and Bamboo fiber Composite-I	A.R.Rathod	Man Made Textiles in India	2020	0.15	JDIET, Yavatmal	4
Effect of Chemical Processing on UV	A.R.Rathod	Man Made Textiles in India	2019	0.15	JDIET, Yavatmal	2

protection of bamboo fabric						
Influence of weft density on formability of worsted suiting fabric	R.P.Sawant	Melliand International Journal	2019	0.5	JDIET, Yavatmal	2
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3.3.6 – 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
Heat Transfer Characteristics of Inclined Helical Coil Tube by Forced and Free Convection : A Review	Dr.S.S.G addamwar	International Journal of Scientific Research in Science, Engineering and Technology	2020	3	3	JDIET, Yavatmal
Influence of weft density on formability of worsted suiting fabric	G. S. Kakad	Melliand International Journal	2019	13	2	JDIET, Yavatmal
Effect of plasma treatment on denim fabric	S.K.Soni	Melliand International Journal	2020	13	3	JDIET, Yavatmal
Ayalysis of physical properties of banana and Bamboo fiber Composite-I	A.R.Rathod	Man Made Textiles in India	2020	9	4	JDIET, Yavatmal
Effect of Chemical	A.R.Rathod	Man Made Textiles in India	2019	9	2	JDIET, Yavatmal

Processing on UV protection of bamboo fabric						
Influence of weft density on formability of worsted suiting fabric	R.P.Sawant	Melliand International Journal	2019	13	2	JDIET, Yavatmal
Analysis of Fibre Morphological Structure of corn husk fibre	N.V. Karche	Meliand International	2020	13	4	JDIET, Yavatmal
Extraction of Corn Husk Fibre	N.V. Karche	Spinning Textile journal, Ahemadabad	2020	11	4	JDIET, Yavatmal
Enhancement of heat transfer characteristics using aerofoil fin over square and circular fins	Shrirao, P. N., R. U. Sambhe	International Journal of Recent Technology and Engineering	2019	2	2	JDIET, Yavatmal
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	6	29	Nill	Nill
Presented papers	6	Nill	Nill	Nill
Resource persons	1	Nill	Nill	1
<a href="#">View File</a>				

### 3.4 – Extension Activities

3.4.1 – 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	Number of students participated in such

		activities	activities
Sant Gadge Baba's birth anniversary celebrated. 04/03/2020	NSS Unit	8	23
Matrubhasha Divas (Mother Tongue Day) celebration. 20/02/2020	NSS Unit	3	47
NSS Special camp 26/01/2020 To 02/02/2020	NSS Unit	8	75
Quiz Competition on "Right to Information Act 2005" . 11/10/2019	NSS Unit	6	130
No to Single use Plastic" Rally. 02/10/2019	NSS Unit	5	40
NSS student's Orientation program. 26/09/2019	NSS Unit	8	150
Quiz Competition. 12/09/2019	NSS Unit	8	240
No Tobacco Day. 11/07/2019	NSS Unit	7	33
Blood Donation Camp and Tree Plantation Program. 02/07/2019	NSS Unit	55	150
Yoga day Celebration. 21/06/2019	NSS Unit	15	5
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3.4.2 – 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
Two Blood Donation Camps	Letter of Honour	Vasantrao Naik Government Medical College Yavatmal	120
Expert Lecture	Appreciation Certificate	College of Management and Computer Science, Yavatmal.	50
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3.4.3 – 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	Name of the activity	Number of teachers participated in such	Number of students participated in such
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	agency		activites	activites
Gender Issues	The College NSS unit, in association with Yavatmal Police Station organized a "Self Defence Class" to celebrate International Women's Day on 8th March, 2020 at Yavatmal Police Station, Yavatmal.	Self Defence Class for Girls	3	37
Soil Testing, Soil fertility and its health management.	NSS Unit in association with Krishi Vidnan Center, Yavatmal and People of adopted village Sonkhas.	Arranged One day workshop on Soil Testing, Soil fertility and its health management. in association with Krishi Vidnan Center, Yavatmal.	8	75
Awareness Rally	NSS Unit and People of adopted village Sonkhas.	Rally was organized for Voter awareness program at adopted village Sonkhas.	8	75
Swachh Bharat	NSS Unit and People of adopted village Sonkhas.	Cleaning of Dattak Gram Sonkhas Primary School surrounding	8	75
Minor irrigation project	NSS Unit and People of adopted village Sonkhas	NSS Volunteers constructed one Bandhara at Dattak Gram Sonkhas.	8	75
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### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Final year project of students of Government Polytechnic, Yavatmal in association with	02 Faculty 06 Students of Final Year Diploma of Electrical Engineering	Self Financed	180

JDIET 100 kw solar power plant			
Collaborative research program on Health Monitoring of Aero Engines with G.H.Raisoni College of Engineering Nagpur	02 Faculty Members of JDIET and 01 Faculty Members of G.H.Raisoni College of Engineering	Self Financed	90
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3.5.2 – 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
<b>No Data Entered/Not Applicable !!!</b>					
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3.5.3 – 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
Maharashtra Centre for Entrepreneurship Development (MCED), Yavatmal, Udyog Bhavan 3rd Floor, Darwaha Road Yavatmal. 44500 Web- www.mced.in.	26/11/2019	Industrial training, Skill Development, Career monitoring and Placement drives.	20
Nardus Aromatic Oil Producer Company Limited, Karanja (Lad), Dist- Washim	17/09/2019	R D Training, Expert Lectures	98
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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
2500000	134539

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added

Others	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
No file uploaded.	

#### 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
Wordpro's College Administration Software (CAS)	Fully	2	2009

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	43977	8700433	470	99936	44447	8800369
Reference Books	8682	4788915	25	17500	8707	4806415
e-Books	580	13500	611	13500	1191	27000
e-Journals	152	13500	88	13500	240	27000
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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
No Data Entered/Not Applicable !!!			
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 (MBPS/GBPS)	Others
Existing	495	394	0	8	50	43	0	70	0
Added	0	0	0	0	0	0	0	0	0
Total	495	394	0	8	50	43	0	70	0

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

70 MBPS/ GBPS
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##### 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
Video Camera, Studio Shared, Head PHOTO Phone, Audio Speakers, Computers	<a href="http://www.jdiet.ac.in/NAAC_Files/4.3.3.jpeg">http://www.jdiet.ac.in/NAAC_Files/4.3.3.jpeg</a>
Video	<a href="https://youtu.be/sMt2F5SzBPg">https://youtu.be/sMt2F5SzBPg</a>
Video	<a href="https://youtu.be/4DYDxBA_7wM">https://youtu.be/4DYDxBA_7wM</a>

#### 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
13809100	6885558	13460000	10680808

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)

There are established systems and procedures for maintaining and utilizing physical, academic and support facilities

**Laboratory :** Lab equipments are serviced by the concerned manufacturers, service personnel and Lab Assistant of the departments. Wherever necessary, the annual maintenance contract is signed with the supplier. Proper information in terms of cost, name of the vendor and date of purchase is displayed on each equipment of all the laboratories. Annual Stock verification is carried out by stock verification committee.

**Library :** Proper procedures are followed to maintain the library and preserve its materials against decay or deterioration. These include dusting and cleaning, which is carried out on a regular basis with adequate air and sunlight exposure. Other procedures include carrying out pest control and replacement of renewable resources like fixtures and fittings and worn out seats. The issue and return track system of the books and other study material is governed through advanced software system and the record of the stock is maintained physically as well as digitally.

**Computers :** All sensitive equipment's like computers/lab equipments are supplied power through online UPS and thus taken care against voltage fluctuations. Computer labs and all the computers are maintained by our own system administrators. CCTV camera is installed throughout the campus to monitor all activities. The camera signals are displayed in CAS Department which is monitored by CAS Incharge.

**Classrooms :** Classroom maintenance is regularly carried out by the class coordinators. The students' desks are regularly wiped using disinfectant liquid. Black and white boards are regularly cleaned up. Each classroom is equipped with DLP and WiFi facility. All the class rooms of the institute are airy and exposed to sunlight.

**Infrastructure:** The college has a maintenance department with fulltime staff under direct supervision of office superintendent coordinator who attends all the services related to infrastructure maintenance. Any discrepancy is reported to the maintenance office through the Principal and the necessary steps for maintenance are been taken. Cleanliness is given utmost importance. The complete campus is maintained clean and green.

**Electrical Maintenance :** Electrical Maintenance is looked after by Electrical Maintenance Coordinator and his team. Generator and power backup units are kept in separate area to prevent any damages to life and property. The voltage stabilizers are provided to systems and electrical equipment to stabilize the voltage fluctuation. In addition to the above a separate capacity uninterrupted power supply is provided to ensure smooth operation of the servers.

**Water Supply :** The institute is equipped with a



Reverse Osmosis water filter plant with a capacity of 1000 lit/hr. Filtered drinking water is supplied within the complete campus. Hostel is supplied with a separate water filter plant of 100 lit/hr. The filter plants are regularly tested and inspected by servicing agencies.

[http://jdieta.ac.in/Rules\\_and\\_Regulations.php](http://jdieta.ac.in/Rules_and_Regulations.php)

## 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	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil
<a href="#">View File</a>			

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
<b>No Data Entered/Not Applicable !!!</b>			
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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
2019	Personality Development Classes	977	977	Nil	153
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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
<b>No Data Entered/Not Applicable !!!</b>		

### 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

No Data Entered/Not Applicable !!!

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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	BE JDIET	Textile Engineering	NIFT, New Dehli	Master of Fashion Technology
2020	1	BE JDIET	Textile Engineering	DKTE Ichalkarnji	M.Tech
2020	1	BE JDIET	Electrical Engineering	Singhagad College of engineering, Lonavala	ME in EPS
2020	1	BE JDIET	Electrical Engineering	G. H. Rasoni, Nagpur	MBA
2020	1	BE JDIET	Electrical Engineering	Priyadarsh ani college of engineering, Nagpur	M.tech in planning
2020	7	BE JDIET	CIVIL ENGINEERING	G.H. RAISONI AMRAVATI	ME (STRUCTURAL ENGINEERING)

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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
No Data Entered/Not Applicable !!!	
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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
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!						
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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)

The 'Student Representative Council' (SRC) of the Institute is a constitutional student's representative body which is annually formed as per section 99 of the Maharashtra Public Universities Act, 2016 (Mah Act No VI of 2017). According to this act, there shall be a University Students Council and a College Students Council for each affiliated college to look after the welfare of the students and to promote and coordinate the extracurricular activities of different students associations. Therefore, complying to above act and gazette section 1, No 4/97 of Sant Gadge Baba University Amravati, the institute forms SRC at the start of every academic session. SRC provides a platform to the students to involve in the planning and execution of various activities like teaching learning process, academic administration, arrangements of extra and cocurricular activities, remedial classes, industrial training, placement opportunities, sports and other facilities. As per the university guidelines, SRC comprises of Class Representatives (C.R.s) who are students those secure highest marks in their classes in last preceding examinations. Also the SRC constitutes one student nominated by the Principal from each category like sports, cultural, National Social Service program (NSS), National Cadet Corps (NCC) and two girl students as ladies representatives (L.R.). Thus student representatives from all the categories are allowed to participate in the academic and administrative decision making process of the institute. After the formation of SRC, General Secretary (G.S.) of SRC is elected by the SRC member through election process as prescribed by the university. This elected G.S. represents the student community of the institution in the university as a member of Student Representative Council. Activities carried out by the Student Representative Council (SRC) 1. To officially represent the students of their respective classes and categories at institute level to communicate the opinion of the student forum in teaching learning process, student learning experiences, examination pattern, facility generation and utilization, knowledge up gradation, industry institute interaction, and other welfare policies to the institute authorities and participate in institutional decision making process. 2.To recommend and support effective and efficient student support services. 3.To promote and encourage the students for improving their academic performance and develop their overall personality through participation in co curricular, extracurricular, and social activities at regional, national and international level. 4.To give feedback of external agencies conducting training programs on life skills, courses delivered by adjunct faculties, quality of lectures and workshops conducted by experts from industries and institutes and field visits. 5.To report the performance of grievance cells and other student support mechanisms to the institute authorities. 6.To organize educational and recreational activities for the students like conduction of national or state level student's conferences, annual social gathering 'Euphoria', Ganpati festival, NSS programs, youth festival activities etc. 7.Educate the student community to follow the code of conduct and develop a culture of peace, harmony and mutual respect. Along with legitimately compulsory institute level SRC there are various professional bodies and students clubs formed, managed and run by the students to provide them opportunities to involve in various educational and professional development activities.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

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

**No Data Entered/Not Applicable !!!**

5.4.4 – Meetings/activities organized by Alumni Association :

**No Data Entered/Not Applicable !!!**

## **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 institute promotes decentralization and consultative management and enjoys a healthy and conducive environment in terms of encouraging all the stakeholders including employees at all levels to contribute ideas towards identifying and setting organizational goals, planning and executing all the institutional activities to achieve excellence and maintain quality of the academic program. The governing body along with the Principal recognizes the need of decentralization for the growth of the institute and accords autonomy commensurate with the level of experience and achievements of the faculties. Institute level coordinators, Heads of the Departments, departmental class incharges, sessional coordinators, research and development coordinators, placement coordinators, time table incharges, alumni coordinators lab incharges etc are involved in the taking decisions while framing various academic and administrative policies at department and institute level. Some of the practices reflecting decentralization and participative management are depicted below. 1. Yearly Strategic Plan of the Institute formulated by the Management, Advisory Board, Principal, Coordinators and Head of Departments.) Jawaharlal Darda Education Society (JDES), Academic Advisory Board (AAB) and other authorities involving representations from the management, faculty, and other stakeholders formulated the policies and targets to be achieved aligned with the institute's vision and mission. Principal, through periodic meetings with Institute level coordinators and head of departments planned the implementation and execution of the same. Also valuable suggestions from the faculty were taken by the management during the meetings for review and implementation. The targets to be achieved, action plan, methodology and procedure to review the periodic progress were finalised taking in to consideration the views of the faculty members and the portfolios were assigned accordingly. Suggestions to improve the admissions and quality of the program were taken. 2. Continuation of Upgradation of CAS (College Administration Software) for efficient e-governance : Continuous efforts are been taken from the last couple of years to update the e-governance module. Various modules like Students module, Employee Module, Time Table Module, Feed Back Module, Academic Monitoring Module, Parents Module, Directors Module etc were reformed and updated for a more better e-governance. The modifications were carried out by taking continuous suggestions, reviews and advices from students, faculty, management, employers and parents. These upgradations in the CAS have helped a lot to conduct all the academic and administrative activities online during the pandemic period. 3. Student Participation in Teaching Learning Process and delivery of the Curriculum : Proper mechanism for participation of students in the teaching learning process were provided by the means of regular feedback and online meetings with the Head of Department and Class Incharges. Students also participated in decision making through representation in student bodies like Student's Representation Council, various departmental clubs and student chapters of professional bodies. They shared their experiences and gave feedback and suggestions for improving the Teaching Learning Process and

upgrading the curriculum. Online feedbacks were taken during the pandemic period to assess and improve the Teaching Learning System.

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	<p>Human Resource Management</p> <ul style="list-style-type: none"> <li>• Institute organized Faculty Development Program for professional upgradation of the faculty.</li> <li>• Institute has a policy for financial support to staff members for attending Workshops, Seminars and Conferences in India and Abroad.</li> <li>• Institute provides study leaves for training programs.</li> <li>• As per the provisions of provident fund act, institute contributed to Provident Fund.</li> <li>• As per the provisions of Gratuity Act, institute contributed for the Gratuity Scheme.</li> <li>• Child allowance was provided for the education of Children of staff.</li> <li>• There are awards for Best Teaching and Best Non Teaching Staff.</li> <li>• Faculty Members were encouraged to become member of professional societies such as IETE, ISTE etc.</li> <li>• Institute provided NPTEL video lectures and other ICT facilities to enhance the teaching learning process</li> </ul>
Industry Interaction / Collaboration	<ul style="list-style-type: none"> <li>• The Industry Institute Interaction Cell has taken several initiatives to promote, guide, facilitate and participate in professional activities through interaction with industries, consultancy, testing, continuing education and trainings, industry sponsored projects and entrepreneurship development. MoUs with various industries like Green Light Solutions, TCS, National Testing Agency, Rashtriya Chemicals and Fertilizers, Raymonds UCO Denim Ltd, Prolific Systems Technologies Pvt ltd, S.P.Auto, G Plast, Ankita Auto Coaters, Genius Polymer Industries, Laksh Design Solutions, Dr.P.V.Pawar Research and Innovation Centre, J.J.Fine Spun, Pfour Textiles, Saurer Textile Solutions are in force. The MoUs are signed to reap advantages like industrial exposure to students, field based projects, training</li> </ul>

and employment. • Workshops are organized to update the students about recent trends in Industries

#### Admission of Students

Following quality initiatives taken to improve the Admission of Students.

1. Reached to around 4000 students of interior places to make them aware about the admission process for Engineering.
2. Created awareness among them about the new practices adopted by NTA to conduct JEE exams and Online CET exams.
3. Given guidance for online registration for JEE and CET Exams.
5. Taken parent meets to make them aware regarding the admission process.
6. Timely messages sent for various activities as per schedule of State CET Cell.
7. Online meetings with the Staff were conducted for staff awareness about new changes in admission process.
8. Conducted workshops for filing the option form.
10. Made use of social media , All India Radio for admission process awareness.
9. Advertisements on Cable network in Yavatmal District, on All India Radio and in News papers for marketing the infrastructure and Facilities available at JDIET
11. Provided Free Counselling through out the year for parents and Aspirants about admission process and Career in Engineering.
12. Arranged Guidance camps at Admission Reporting Center (ARC) for students who got the allotment in CAP to educate them regarding the further formalities.

#### Curriculum Development

Curriculum Development

1. Implemented the suggestions and feedback from stakeholders. The feed back was shared with the faculty members of the institute who are on the Board of Academic Council of the University.
2. Syllabus reconstruction workshop conducted for curriculum redesign which helped to change curriculum as per industry requirements.
3. Free and professional electives in the curriculum were available for the students.
4. Updated the Personality development module for the overall development of students.
5. Online lectures were conducted to bridge the vIndustry Institute Gap.
6. Industry based projects were undertaken on real life problems to understand the recent trends and the gap in curriculum.

#### Teaching and Learning

1. Implemented Attendance Monitoring

System for theory lectures , practical's and project seminars . 2. Implemented Teaching Learning Monitoring System to monitor the quality of Teaching and Learning. . 3. Implemented Backlog Eradication System for failure students . 4. Taken Remedial classes to improve the results 5. Followed the new academic audit format for better assessment of faculty. 6. Followed the CAS module so that teaching plans, implementation plans and course completion status is filled up regularly by the faculty in the CAS module so that a central data is always available at any instant of time for review.7.Faculty members participated in the FDPs. 8. Innovative teaching methodologies equipped with ICT tools and techniques for effective delivery of the curriculum were used. 9.Communication with parents through the Parents Module incorporated in the WEB based CAS Module was carried out for enhanced communication with parents regarding the performance of their wards. 10.Students were sent for implant training to industries to have the practical glimpses of their theoretical knowledge.

**Examination and Evaluation**

1.It was ensured that the syllabus of courses are completed on time and the internal examinations were conducted as per the academic calender. 2. IQAC ensured that the conduction of internal examinations was transparent, time bound and fair with proper students grievence redresal mechanisms. 3.The examination module was created in the egovernance module. The marks of the students are to be filled in this module.This data is going to be directly used to calculate the attainment levels of Cos,Pos and PSOs for outcome based education. Also it will be used to create the result analysis sheet and send the performance of the students to their parents on mobiles through Parent Web Portal. 4.Proper conduction of sessional exams with the course outcomes duly mentioned in front of the questions, timely evaluation of answer sheet and display of marks within specified time 5.Regular evaluation of practical records was carried out. 6.Setting of question papers was as per Bloom's taxonomy to follow outcome based

education.7.During the pandemic period MCQ based online exams were conducted.Various platforms like Google Class rooms and Microsoft Teams were used for the same.

Research and Development

The innovation and incubation Cell was established in the institute.Innovtive ideas were called by the incubation centre for further processing. • Faculty members were motivated to write proposals for research fund allotment to various national funding agencies.Different Funding agencies like DRDO,Central power Research Institute CPRI, AICTE, CSIR, DSIR,Ministry of Comm and IT(MOCIT),DST,MNES,DSIR, Ministry of Comm and IT(MOCIT),Science and Tech appl for Rural dev (STARD),Ocean Development (DOD),Min of Water Resources (MOWR),ISRO,DAE,INSA,UGC were identified and seventeen research proposals for funds were prepared. • Training programs and Certificate courses were designed by various departments to upgrade the research and technical skills of the students.. • Efforts were taken to fetch testing and consultancy projects for probable revenue generation. • Efforts were taken to create recognized laboratories and register supervisors for doctoral studies in contemporary areas of research and development. Various activities like Formation of Research Advisory Committees, Commencement of Course work and admission of students for Doctoral Programme in accordance with the University Ordinance were carried out. • MoUs with institutes like National Environmental Engineering Research Institute Nagpur,G.H.Raisoni Institute of Technology Nagpur, N Government Engineering College, Yavatmal , Punjabrao Krishi Vidyapeeth Akola, Government Polytechnic Gadchiroli for research and development is inforce and collaborative activities are being carried out.. • Faculty was promoted to get engaged in quality fundamental and applied research with worthy publications in national/international journals and conferences and participate in workshops and seminars on intellectual property rights and research methodologies by providing funds and sponsorships.84 papers were published



in journals and 06 papers were presented in various conferences by the faculty in the last year. • Efforts were taken to inculcate a passion of research amongst the undergraduate students by sponsoring them for national and international conferences. 60 papers were published by the students in various journals.

Library, ICT and Physical Infrastructure / Instrumentation

• The institutions budget other than salary is utilized for creation and maintenance of various facilities like establishment of new laboratories, replacement of old items by new equipments, upgradation of IT and other infrastructure, library enrichment, sport equipments etc. • Availability of increased titles of reference books and journals along with upgraded access to e-library was made. • Facility of satellite lectures through video conferencing was made available. • Facility of Internet lab for students for knowledge upgradation by surfing various search engines was updated. • A fund of Rupees 2,50,000 was spent on purchase of new books and equipments. The expenditure of maintenance of academic facilities was Rupees 68,85,558 and that for maintenance of physical facilities was Rupees 1,06,80,808.

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

E-governance area	Details
Student Admission and Support	Vendor : WORDPRO COMPUTER CONSULTANCY SERVICES Year of Implementation : 2008 with continuous upgradation. Using this module all information related to the students can be stored like academic, personal details. The students can get the necessary documents/certificates required by them without any delay.
Examination	Vendor : WORDPRO COMPUTER CONSULTANCY SERVICES Year of Implementation : 2008 with continuous upgradation. Using this module all the information related to internal and external exams conducted in the institute can be stored. Report writer tool enables the user to design the marksheet in user definable format. Reports from the examination module can be used to assess the academic performance of the students. Various modules like exam and internal assessment, mark sheet, online examination system and result analysis

	are extensively used for this purpose.
Planning and Development	Vendor : WORDPRO COMPUTER CONSULTANCY SERVICES Year of Implementation : 2008 with continuous upgradation. This module of the upgraded CASERP software can be used for all types of planning for example lecture planning by the staff and its complete monitoring with the help of different KPI reports. The module is helpful in all the academic , administrative and financial planning and development activities .
Administration	Vendor : WORDPRO COMPUTER CONSULTANCY SERVICES Year of Implementation : 2008 with continuous upgradation. Efficient administration is possible by means of different modules like feedback, biometric, leave module ,academic monitoring etc. .
Finance and Accounts	Vendor : WORDPRO COMPUTER CONSULTANCY SERVICES Year of Implementation : 2008 with continuous upgradation. .The CAS ERP has accounts module , fees module and salary module to manage the finance and accounts of the institute. Fees module is an automatic fee receivable generation system. Different types of fees structure can be defined such as academic , library, miscellaneous etc with complete setting in them such as number of installments, late fine etc. Salary module is a completely user definable payroll system with finance dashboard.

### 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
<b>No Data Entered/Not Applicable !!!</b>				
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the College 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	STTP on	-			50	Nil

Preparation of NBASAR	22/11/2019	27/11/2019	
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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
No Data Entered/Not Applicable !!!				
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
31	54	77	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1.Provision of financial assistance to attend conferences /training programs in India and Abroad.</p> <p>2.Provision of leaves for higher education and training programs/conferences.</p> <p>3.ICT tools and infrastructure for eTeaching Learning Process.</p>	<p>1. Financial Assistance for Training Programs. 2. Provisions like Gratuity, Provident Fund and Child Allowance. 3.Provision of Medical Policies</p>	<p>1.access to digital library with ebooks and journals. 2.Financial assistance to attend international Conferences. 3.Financial assistance to develop innovative and indigeneus projects.</p>

## 6.4 – Financial Management and Resource Mobilization

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

<p><b>Internal Financial Audit:</b> There is a sound internal control system evolved by the college to check the vouchers, and invoices other financial matters with due sanctions and approvals by the Principal Finance officer so that it acts as a internal control audit system. The Accounts department is headed by the Finance officer and also there is a separate financial consultancy services provided by the Chartered Accountant for internal audit. The internal Audit of the last Financial Year has been carried out. <b>External Audit:</b> The external financial audit i.e. statutory audit has been conducted for the last financial year by a "Chartered Accountant" as per the provisions of Income Tax Act 1961, and Bombay Public Trust Act 1950. The book of Accounts maintained are examined and found correct and satisfactory by the auditors.</p>
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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

No Data Entered/Not Applicable !!!

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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

## 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	Nil	Yes	Principal, JDIET
Administrative	No	Nil	Yes	Principal, JDIET

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

1. Web Based Parent Portal : Institute has started Web Based Parent Portal to communicate with the parents and update them regarding the progress of their children. Parents have given feedback about the advantages of the portal and suggested certain features to be added. 2. Teaching Learning Process : The parents have given their feedback on the teaching learning process of the institute and have given suggestions for steps to be taken for fast learners as well as slow learners. 3. Feed back for Curriculum Development : The parents have given feedback on Curriculum Development. The feedback has been discussed with the faculty members of the institute who are on the Board of Academic Council of the University for further actions. 4. Facilities and Infrastructure : The institute has updated the parents regarding the facilities and infrastructure provided by the institute.

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

1. Upgradation through Training : There is provision for Industrial Training for the staff in industries collaborated with the institute to keep them updated. 2. Financial assistance to participate in development programs : The institute provides financial assistance to participate in short term training and other development programs. Also financial assistance is provided to participate in international conferences abroad. 3. Induction Training : Induction Training Program is conducted for the staff to upgrade their teaching skills and technical knowledge. 4. Provision of other securities : Provisions like Medical Policies, Gratuity, Provident Fund and Child Allowance have been provided.

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

1. Creating Awareness of Start-up projects through Awareness Program in campus for students. Initiated Approval Process for recognized Incubation Centre to Ministry of MSME, Government of India. Received Approved status from Ministry of MSME, Government of India as a Business Incubator/ Host Institute-“Jawaharlal Darda Institute of Engineering and Technology. After approval, submitted Eight start-ups on MSME Portal for approval and grant-in-aid from various faculties in the Institute. MSME organized start-up contest “Challenge 2020”, we have received around twenty four start-ups from Students. Faculty and New Entrepreneurs from Vidharbha region for submission. As per MSME guidelines, Internal committee, have shortlisted 10 start-ups and submitted to MSME for final approval. 2. To create awareness among students about emerging trends and technology as well as development of various skills among students, Institute has initiated planning for conduction of various Online Workshops as

well as Technical Quiz in collaboration with Department of Lifelong Learning and Extension, Sant Gadge Baba Amravati University, Amravati. Planned seven online workshops and one technical quiz for students of all streams. It is planned to be conducted in the month of Jun 2020 and onwards. 3. Entrepreneurship Development Programme for students: To enable students to acquire the basic competencies of becoming a successful entrepreneur by learning the existing regulations /rules and trained them to establish and sustain successful enterprises using the acquired skills. Institute has initiated planning for conduction of Industrial Motivational Campaign and Entrepreneurship Awareness Programme in collaboration with Ministry of MSME, Government of India. Planned four online workshops for students of all streams. It is planned to be conducted in the month of Sep 2019 and onwards.

#### 6.5.5 – 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	Yes

#### 6.5.6 – 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	Start-up submission at Incubation Centre and uploaded on MSME Portal for grant in aid	17/01/2020	17/01/2020	20/01/2020	8
2019	Promoting Start-ups through awareness program	19/09/2019	19/09/2019	04/10/2019	160
2019	Entrepreneurship Development Programme for students	12/09/2019	12/09/2019	14/02/2020	243
2020	NAAC AQAR status and progress	27/02/2020	27/02/2020	27/02/2020	12
2020	NBA Orientation for getting all the programs run by institute NBA accredited.	27/02/2020	27/02/2020	27/02/2020	12
2019	Fostering Innovation	12/08/2020	12/08/2020	12/08/2020	14

	by Taking Initiative in calling innovative ideas to be submitted to the Institutes Incubation Centre.				
2019	Promotion of Research by orientation program for Ph.D faculty to get registered as supervisor and for heads to get research lab recognised.	12/08/2020	12/08/2020	12/08/2020	14
2019	Inculcation of sense of responsibility towards society through schemes like Unnat Bharat Abhiyan.	20/09/2019	20/08/2020	20/08/2020	6
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
"Women Empowerment Program" Women Empowerment Program was organized by NSS unit on International Women Day.	08/03/2020	08/03/2020	37	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

A 100 KW grid connected roof top Solar Power Plant has been established in the institute. The total sanctioned power load as per MSEDCL is 171 KW for the institute. On an around sixty percent of power requirement of the institute is met by this alternative energy source.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	2
Rest Rooms	Yes	2
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	1	1	29/04/2020	30	Fabrication of Swab Sampling Booth for Government Medical College Yavatmal for testing of Corona.	Taking Swab Samples for Corona Testing.	10
2020	1	1	08/03/2020	1	Gender Equity and Women Empowerment	Equal Opportunities for Women.	37
2019	1	1	30/09/2019	60	Technology Transfer for Village Upgradation.	Adoption of Villages and identification of technical services for to be provided to be provided for overall upgradation	50

2019	1	1	02/09/2019	120	Technology Transfer and opportunities through Industry Institute Interaction with Industries like Raymonds in Local MIDC	Arrangement of Expert Lectures, Testing, Consultancy, Industry Based Projects, Implant Training and Recruitment Opportunities.	85
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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)
CODE OF CONDUCT FOR STUDENTS	09/07/2019	Proper uniform, cleanness is regularly monitored by faculties, and students are warned if not in proper uniform. Parents are informed about their ward's absence by SMS and phone call by the HODs or subject in charge. If ID card is damaged application for replacement of ID card is necessary. If any student is found with copy in exam strict actions are taken against them. Students are expected to be in the class 5 minutes before the scheduled time of the session and if the student regularly comes late to class he/she is not allowed to attend the class
CODE OF CONDUCT FOR FACULTY	09/07/2019	There is a uniform for the Teaching and Non Teaching Faculty. Suitable rules and regulations are made for them to go on leaves. Assessments are done on regular basis by HOD and senior faculty. Feedbacks are taken from the students and suitable actions are taken for



improvement. Faculties are encouraged to present papers in good journals and invest their time in research and knowledge upgradation

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Tobacco Day.	11/07/2019	11/07/2019	33
NSS student's Orientation program.	26/09/2019	26/09/2019	150
No to Single use Plastic" Rally.	02/10/2019	02/10/2019	40
Quiz Competition on "Right to Information Act 2005" .	11/10/2019	11/10/2019	130
Sant Gadge Baba's birth anniversary celebrated.	04/03/2020	04/03/2020	23
International Women's Day Celebration	08/03/2020	08/03/2020	37
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1.Solar Power Plant : Taking an initiative towards Renewable Energy a 100KW Solar Power Plant has been established in the institute. 2 Rain Water Harvesting : Water Conservation is an area of special interest and proper provisions of rain water harvesting are done within the whole campus. 3 Plantation of Trees : Plantation of trees is a regular activity followed by the institute. 4 Disposal of Solid Waste and eWaste :The institute has proper provisions for disposal of Solid Waste and E waste. 5 Plastic Free Campus : The disadvantages and harmful effect of plastic are repeatedly explained to the students and staff by the NSS team. The use of plastic is completely discouraged to attain plastic free campus status.

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

**Best Practice 1 Title : Orientation of undergraduate students towards innovation, research, start ups and entrepreneurship : Goal Primary Goal :** The primary objective to implement this practice is to expose the undergraduate students to the world of research,start up and innovation.The secondary objectives are enlisted below 1.To develop a sense of entrepreneurship amongst the students and introducing them to the world of startups and innovation.2.To nurture the ideas of the students and and process them for further stages. To 3.To train the undergraduate students in writing papers and publishing them in indexed journals. 4. Motivating the students for participating in various technical events at National and International. Level. 5. To undertake innovative projects 6. To solve real time problems by participating in Industry based projects. 7. To educate the students regarding various funding agencies and methodology of writing research proposals. The Context Graduating from an

institute and moving out for a job in the industry is a trend that is generally followed by the passing out graduates of an engineering institutes overhere.

The students in this forming ages are generally not exposed to the world of research, start ups innovation and entrepreneurship. This exercise is carried out in a view to orient the undergraduate students towards innovation and teach them the tools and skills required to participate in start ups, research and innovation. The Practice After defining the goal a innovation and incubation cell was set up in the institute. Students were motivated to submit their ideas to the incubation Cell and participate in research, paper presentations and development of innovative projects. Proper training programs were conducted to educate them regarding writing papers and publishing/presenting them in national/international journals/conferences. Paper publishing was made mandatory before submission of final year project thesis. Students are trained in the Language labs to improve their language, vocabulary and writting skills.

Financial provisions were made • To provide funding to the bonafide students, one from each department, Gathering Secretary, Best Student awardees and highest scorer boy and a girl student to go for research presentation in International conferences/symposiums/ seminars/ workshops in foreign countries.

• To provide funding to bonafide students of final, third and second year for presenting their research papers in national or international conferences/symposiums/ seminars/ workshops in India. • To provide fund to the students to undertake indigenous and innovative projects. • To provide special grants and rewards for students who win prizes in various events. Furthermore national level technical events like symposiums, conferences, seminars etc are organised every year to provide an inhouse platform to the students to enhance their presentation and publication skills and exhibit their innovative projects.

Evidence of Success The evidences of effective implementation of this practice is that being an approved host institute 24 Start up proposals have been received and submitted through our incubation centre to MSME, Government of India in the National Event Challenge 2020. Good amount of research publications have been done by by the students in international journals and national/international conferences.

• Problems Encountered and Resources Required • Research is an expensive affair and need of additional financial resources to implement this practice was a major hurdle. The management of this institution took an initiative and started this innovative practice by assuring financial provisions in the institutional budget. • One of the major problems faced was time management in a very compact and hectic schedule of semester pattern system of academics. As SGBAU has semester pattern system, the entire academic fulfilments and syllabus completion need to be scheduled and completed in the span of around three months duration only.

• Inferiority feeling and lack of confidence level in the minds of students was a psychological barrier. Lack of communication and presentation skills in the students was another issue to be addressed. • Weak Industrial Belt was also a problem to be addressed.

MoUs had to be signed with industries in Western Maharashtra which is a rich MIDC belt to train the students on real life problems and undertake industry based innovative projects. Connectivity with the students during the pandemic period was also a great hurdle. Online communications were carried out with the students to orient them and increase their participation. Best Practice 2:

Title : Holistic Development of the students and imbibement of a sense of responsibility towards the society through awareness programs and contribution in overcoming the Covid Pandemic : The primary goal of this practice was the overall holistic development of the students for their psychological, social and emotional growth. The secondary objectives are i) To establish a platform through departmental clubs for the students to conduct various curricular and extracurricular activities. ii) To create a learning and development strategy amongst the students. iii) To imbibe a sense of responsibility towards the society within the students. iv) To promote experiential and participative learning Context Holistic education is based on the idea that students can be

taught in a more natural and engaging way. Provide an exciting alternative to current educational system, the holistic approach seeks to empower students to use their academic learning as a foothold for their emotional and social development. It instils curiosity and allows students to learn naturally and creatively..It was thought that conduction of various curricular and extracurricular activities through the departmental student clubs can help in developing the personality of the students. The Practice Every department has established a departmental level students' forum/ club. There are seven departmental clubs. Along with this there are active forums like IETE Students' Forum (ISF) and Computer Society of India Club (CSI). The Clubs are governed by the students under the mentorship of departmental faculty members. Various technical and non technical activities and competitions are conducted by the students. This experiential participative and pragmatic methodology helps in overall development of the students. Apart from these scheduled events, the executive committee members also organize various inter department level competitions, expert lectures, workshops, celebration of specific important days like birth/ death anniversary of the legendary personalities. By organizing all such events, these clubs give an opportunity to provide an inhouse training to them to improve their organizational skills, ability to work in teams, resources management skills, financial management, leadership qualities, contingency management etc. The students are motivated and guided to undertake community projects which are helpful for the society. Also the institute is connected to the society through NSS. It is a practice to adopt villages and conduct various welfare programs. Students are completely involved so that they can understand their responsibility towards the Society. Evidence of Success Inspired by the vision of Unnat Bharat Abhiyan of bringing transformational change in rural development processes by connecting with knowledge institutions,our Institute has also been registered with UBA.We very well understand the problems faced by rural areas as the institute is located in one of the most rural areas of the nation.We have adopted five villages namely Lasina,Ladkhed,Hivri-Arjuna,Madkona and Karalgaon Our faculty members along with the students are in communication with the authorities and civilians of the villages through social media. Recognising the risk of spread of COVID 19 in rural areas we are continuously giving them information regarding the safety measures to be taken and the support, guidance and help provided by the Government. This also includes the advisories given by the Government to rural areas about how to deal with the virus affected cases as well as about how to reduce the chance of it spreading. Information regarding the measures to be taken for proper crop cultivation and crop loans is been shared. The SOP to be followed during COVID 19, utility of masks, food support provided for children and pregnant women, support provided by the government, rescheduling of bank loan repayment for agricultural debtors and provision of soft loans to encounter the crisis is also shared with the villagers. Information regarding the online education given through the DD National Program for students from 9th Standard and onwards is also been given. Massive layoffs and lack of relief measures are pushing migrants to return to their villages, which would increase the risk of the spread of the virus. The directions of the Government regarding solution to cases pertinent to migrant labours shall also be shared with the villagers. The institute has fabricated a Disinfection tunnel and gifted it the Government Medical Hospital for sanitising the public, patients, health workers and visitors in general. The innovation has led to automate the process of disinfection by spraying atomised disinfectant on the people while they pass through the tunnel. When a person passes through it he is sprayed with a disinfectant solution coming out at a high pressure. Such sanitizers can disinfect clothing, shoes and other articles for a period of time. The disinfectant is sprayed in a semi-vapourised form and is highly effective as it covers a larger surface area as compared to a liquid disinfectant. The Government hospital has a huge influx of people including health workers and

potential covid 19 carriers requiring automation of hygiene and safety protocols. The equipment is sensor based and provides an automated solution that can be highly useful to minimise the propagation of COVID 19 in the hospital Campus. The condition of lockdown, although necessary, came up with grave problems for many marginalised sections of the society. Our institute has tried to ease the distress of some marginalised individuals during this lockdown. Along with LOKMAT Group, the flagship enterprise run by our own Management, our faculty members and students distributed 65 food packets which included rice, wheat, pulses, oil and spices to the needy sweepers, security guards, maintenance staff and other needy people of the institute. The faculty and students has taken efforts in designing and fabricating a screening booth for sample collection of the corona suspects. The booth can house medical personnel and is completely sealed. It enables the health care personnel to collect the swab samples of the patient through long gloves and thereby eliminates the chances of any potential human contact. The whole sample collection procedure can be completed in just five minutes. The booth is sanitized after each sample collection. Thus it provides a solution to the health workers to collect the swab samples with minimum chances of virus spreading. The project was sponsored by the Rotary Club of Yavatmal. The booth has been installed in the Government Medical Hospital and has been very useful for the health workers to isolate themselves while collecting the swab samples, thus reducing the spread of the deadly virus.

**Problems Encountered and Resources Required**

- Establishment of learning and development environment and infrastructure needed a proper thought process and budgetary provisions.
- Conduction of all the intradepartmental and interdepartmental activities have got budgetary implications. Also provision of funds had to be made to fabricate the Disinfection tunnel and provide food and other help to the Covid Sufferers and their relatives.
- There was a psychological barrier in initiatives and

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

[https://jdiat.ac.in/Best\\_Practices.php](https://jdiat.ac.in/Best_Practices.php)

### 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

**Transforming rural youth into a Skilled, Confident and Globally Employable Technocrat with Entrepreneurship skills :** JDIET is distinguished by its commitment in offering a unique learning experience in a spectrum of technical disciplines and contribution to the society through various extensive and outreach programs. The institute is situated at Yavatmal, which is one of the most backward areas in Vidharbha region of Maharashtra State. In 1992, the State Planning Board of the Government of Maharashtra appointed a Study Group to identify the Backward Areas in Maharashtra State. By using 12 indicators of development, this study group identified Yavatmal as one of the backward districts from Vidharbha region. Also further in 2006, the Ministry of Panchayat Raj identified Yavatmal to be one of the countrys 250 most backward districts (out of a total of 640). It was thought that a good quality technical education can play a vital role in development of this rural area and transformation of the youth from this backward area in to a technocrat shall be helpful in the socioeconomic development of the region. With this vision, Jawaharlal Darda Institute of Engineering Technology was established in 1996 with a prime motto of providing qualitative technical education to the youth of this backward region of Maharashtra. The students taking admission to JDIET have very ordinary socio economic background and are mostly from rural areas. Many of the students taking admission in the institution are weak in communication and presentation skills. The academic and administrative initiatives undertaken by

the institute were focused on transformation of this rural youth in a successful technocrat. Along with imparting technical knowledge in the class rooms through a good teaching learning process, the students are also inclined towards research and innovation. Funds are provided to the students to develop innovative and indigenous projects and present papers in conferences in India and Abroad. An Innovation and Incubation Cell has been established in the institute as per the norms of MSME to foster research and innovation. 24 Start Up ideas have been received by the Cell for the National Event Challenge 2020 and submitted to the MSME for further processing. The students are made aware about their responsibility towards society by making them participate in various programs of rural development organized by NSS. The institute has also been registered for Unnat Bharat Abhiyaan which provides funds for various rural upliftment programs for adopted villages. Holistic development of the students is the central theme. Remarkable contribution was given by the students along with the faculty members to help the local people and the villagers nearby to fight against Covid-19. Since establishment till the date, JDIET has been successful in launching 18 batches of skilled technocrats in their respective technical disciplines. JDIET has been successful in bringing transformation in the overall personality of the rural youth by imbibing social values along with knowledge up gradation. One of the most remarkable achievements of JDIET is the global acceptance of Alumni. It is really worth proud to mention that the Alumni of JDIET

Provide the weblink of the institution

[http://www.jdiet.ac.in/NAAC\\_Files/7.3.1.docx](http://www.jdiet.ac.in/NAAC_Files/7.3.1.docx)

## 8.Future Plans of Actions for Next Academic Year

Adopting Outcome Based Education and getting accredited by organizations like NBA(National Board of Accreditation): After being accredited by NAAC it has been further planned to get accredited by NBA. Outcome Based Education is the central Theme.. Various strategies at Macro and Micro level are to be implemented. The Course Outcomes, Program Outcomes, Program Specific Outcomes and Program Educational Objectives of all the Programs are to be defined and brought in line with the Vision and Mission of the Institute. The complete methodology have to be defined and implemented. The Content Delivery and Assessment Methods like Individual attention , Industrial visits, assessment of remembering and understanding levels, Class tests, Assignments. Open book tests, Demonstration with models, Power point Presentations, Case study presentation • Inplant training Assessing the application level, Comprehensive study , Group discussions, Exposure of real time problems, collection of proper study materials, Design of working models, Seminar presentation, Group discussion , Online assignment with case studies , Analysis of real time problems ,Self study through online materials, Internship and consultancy, Solution to the Real time industrial problems, Design and Creation of working models, Scholarly presentation on latest developments etc are to be carefully devised and adopted appropriately for the expected outcome. The faculties are required to be trained in effective implementation of OBE through proper training programs. Increasing Employability Index Increasing Employability is a key area of focus. The institute is located in a remote place and there is no industrial development around. Generation of employment is a challenging task. Moreover the students are from a very average background and need to be groomed properly. It is planned to increase the interaction with industries and develop the skills required within the students through proper training programs. Also the Personality Development course run by the institute will be enriched with more modules and innovative techniques to improve the personalities of the students. Collaboration with Foreign Universities : Efforts shall be taken to collaborate with foreign reputed universities to 1. Provide opportunities of collaborative research to faculties and students. 2. To get the students acquainted with the culture and look for

opportunities of higher studies and progression. Entrepreneurship Development It is planned to take steps for Entrepreneurship Development and increase the acumen of the students towards entrepreneurship .It is planned to provide the technical and vocational education and arrange various seminars and workshops to educate students about progressive industrial policies. Licensing Procedure, liberal economic policies, product wise policies, Financial Institutions, Special Schemes, export promotion programs, Availability of subsidies, Startup India and Make in India. Fostering Research and Innovation Very recently an innovation and incubation centre, as per the norms of MSME, has been established in the institute. In a view to increase the IPR Status of the institute it is planned to gather start up ideas from all the departments and involve the faculty and students in research and innovation. Already 24 ideas have been submitted to MSME by the Cell. Efforts are being taken to increase the efficiency of the cell and cover this Vidarbha Region of Maharashtra State. Budgetary provisions shall be made to provide seed money for indigenous and innovative projects. The RD department shall conduct training programs to educate the faculties regarding patent filling and registration various funding agencies, publication and presentation, development of research labs and facilities. The NBA SAR (Self Assessment Report) have been studied minutely and the strength and weakness of the institute have been identified accordingly. Steps are being taken to upgrade the system wherever required and apply for NBA.