



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	JD COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Name of the head of the Institution	Dr Subhash Chaudhari
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	09422802601
Mobile no.	9657720271
Registered Email	principal@jdcoem.ac.in
Alternate Email	usdange@jdcoem.ac.in
Address	Near Hanuman Temple, Borgaon Fata, Kalmeshwar Road, Nagpur-441501
City/Town	Nagpur
State/UT	Maharashtra
Pincode	441501

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		private			
Name of the IQAC co-ordinator/Director		ujwala dange			
Phone no/Alternate Phone no.		09421632159			
Mobile no.		9011010038			
Registered Email		usdange@jdcoem.ac.in			
Alternate Email		ujwalasdangejdcoem@gmail.com			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://www.jdcoem.ac.in/pdf/AOAR.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes, whether it is uploaded in the institutional website: Weblink :		http://jdcoem.ac.in/academic_cal.html			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.16	2017	12-Sep-2017	11-Sep-2022
6. Date of Establishment of IQAC			25-Aug-2016		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		
FDP for Newly inducted teachers	05-Jun-2018 03		35		

NABL Accreditation of Labs: An overview	14-Jun-2018 02	52
Energy Conservation Awareness Workshop	13-Jun-2018 01	148
Expert Lecture on Funding Opportunities for Engg.Colleges	04-Aug-2018 01	65
FDP for Non Teaching Faculty	15-Oct-2018 05	68
Workshop on Intellectual Property Rights	16-Jan-2019 01	50
STTP on Problem Solving & Decision Making in association with NITTR,Kolkatta	31-Dec-2018 07	67
STTP on Evaluating Students Performance & Designing Question Papers in association with NITTR Kolkatta	25-Mar-2019 07	58
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
MBA	FDP	AICTE	2017 6	275000
Computer Science	FDP	AICTE-ISTE	2018 6	350000
Civil	Research Grant	DBATU	2018 3	350000
JDCOEM	Skill & Personality Dev.Program for SC/ST students	AICTE	2018 3	1435000
Mechanical Engineering	Teacher's Training	NITTR	2018 1	30000
Mechanical Engineering	Teacher's Training	NITTR	2018 1	30000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :	3										
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes										
Upload the minutes of meeting and action taken report	View File										
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No										
12. Significant contributions made by IQAC during the current year(maximum five bullets)											
<p>The following are the notable contributions of IQAC during the year 201819: 1. The number of applications for various funding schemes has increased during the year. 2. The college initiated the preparation towards achieving autonomous status. In fact, at the time of filling this, the college is an autonomous college from session 201920. 3) The number of registrations for Online NPTEL courses have seen a phenomenal increase. 4. The holistic development of students have enhanced and thereby 93.48 percentage of final year students have been placed during the year 201819. 5. The faculty registration for Ph.D. has increased due to various efforts undertaken by IQAC team.</p>											
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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											
<table border="1"> <thead> <tr> <th>Plan of Action</th> <th>Achivements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>Implementation of Outcome Based Pedagogy</td> <td>The teachers developed the teaching learning interventions based on Outcome Based Pedagogy.</td> </tr> <tr> <td>To instill self learning among the teachers and students</td> <td>Lifelong learning skills have been imparted to teachers and students through MOOCS of NPTEL and Swayam</td> </tr> <tr> <td>To prepare for automony</td> <td>The college has been conferred awarded autonomous status by University Grants Commission in the following session and has been conferred by the affiliating university.</td> </tr> <tr> <td colspan="2" style="text-align: center;">View File</td> </tr> </tbody> </table>		Plan of Action	Achivements/Outcomes	Implementation of Outcome Based Pedagogy	The teachers developed the teaching learning interventions based on Outcome Based Pedagogy.	To instill self learning among the teachers and students	Lifelong learning skills have been imparted to teachers and students through MOOCS of NPTEL and Swayam	To prepare for automony	The college has been conferred awarded autonomous status by University Grants Commission in the following session and has been conferred by the affiliating university.	View File	
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14. Whether AQAR was placed before statutory body ?	No										
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to	No										

assess the functioning ?	
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	25-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The college has ERP software Synchroniq which takes care of attendance, payroll, inventory control, performance appraisal, students feedback, daily academic monitoring, admissions, accounts, and students section work. Depending on the needs of the institute, the software is customized as and when required. Since the college has been conferred autonomous status by UGC, the existing system will be advanced further to cater to the needs of examination section. The work has been initiated to update the software to cater to the needs of an autonomous college. The development of new ERP has been entrusted to Juno Software, the company specializing in developing institutional ERP systems. The work has been initiated by the new vendor. The need analysis of various sections, units, departments has been completed till date. The new software with necessary requirements may be operational in the coming weeks. The college has necessary hardware set up to run the new ERP software. In order to facilitate the ERP in college wide, the vendor along with departmental ERP Coordinators have sensititized the respective employees.</p>

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

It is a well-devised mechanism to ensure well-planned curriculum delivery. The Office of the Dean(Academics) plans and executes the curriculum delivery in association with all the Heads. The academic calendar is chalked out so as to ensure that the mandated teaching hours are obtained to justify the needs of

various courses. If required the additional slots are created to impart Employability modules with respect to particular subjects. It may be also noted that the Sessions on Soft Skills, Wellness, Performing Arts, Aptitude Development are an integral part of Curriculum Delivery at JDCOEM. HoDs, in turn, seek the preference of the subject from the concerned teachers before the allocation of the subject. The teachers are given adequate time to prepare the Subject/Course file well before the commencement of the session. Apart from HoDs senior teachers in the department provide guidance to the faculty members to document Course/Subject File. The Course file contains Academic Calendar, Syllabus, List of Books, Reference Books, Course Outcome and Objectives, Teaching Plan, Time table, total weight age in the examination, list of books available in the central library, assignment questions with timelines, test, sessional question papers, pre-university question papers, previous year university question papers, model answer paper, question banks, list of E-learning resources, PPT handouts, Beyond Syllabus contents, Bridge courses. The teachers are provided constant opportunities to upgrade the contents and induce lateral thinking in delivering and documenting the Course File. Apart from the continuous monitoring at the HoDs end, the team of Academic Auditors also ensures compliance at pre-decided timelines. Two internal audits are conducted every year. One External audit is conducted by the panel of outside expert panelist comprising of renowned academicians. The audit process not only helps the teachers to plan the delivery ahead of time but also proves to be instrumental in devising better pedagogic interventions in the interest of the various stakeholders. The thrust of the entire Curriculum Planning and Implementation is on Outcome Based Pedagogy. Although the college is an affiliated college, sufficient provisions are made to include the latest technological developments in the form of Add on Courses or Employability modules in consultation with industry experts. During the nonteaching period, the faculty seminars are conducted to enable faculty to prepare for the session and overcome the weaknesses if any. These faculty seminars provide faculty an opportunity to know their feedback from the experts. The feedback of the students is sought from time to time in formal as well as informal way. The Curriculum Planning and Implementation is the crux of the entire academics of the institute. Rigorous efforts are undertaken by the principal, management to prepare the teachers to devise outcome-based learning mechanism. The difficulties faced during delivery of the syllabus are brought to the notice of the HoD and are rectified if required from time to time. During the entire process of planning and implementation, the timelines are adhered to by the concerned departments.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
NPTEL	Certificate Programme in C, C	16/07/2018	12	Employ ability	Skill Development
NPTEL	Cryptography and Network Security	02/07/2018	12	Employ ability	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!		

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

Certificate	Diploma Course
No Data Entered/Not Applicable !!!	

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
Introduction to Research	15/10/2018	31
English Language for Competitive Exams	22/10/2018	69
Soft Skill	21/01/2019	49
Developing Soft Skill and Personality	01/10/2018	35
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Mechanical	78
BTech	Civil	45
BTech	Electrical	49
BTech	Computer Science	52
BTech	Information Technology	43
BTech	Electronics and Telecommunication	69
MBA	Business Administration	41
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
The feedback from all the abovementioned stakeholders is obtained at regular

intervals. The feedback of the teachers is obtained from the students twice during every semester through online feedback portal. The feedback is duly analyzed and communicated to the concerned teachers by Dean(Academics) through the respective Head of the Department. Through counselling and one to one interaction, the concerned teachers are encouraged to initiate steps towards the improvement. Feedback is linked with the Annual Performance Appraisal of the teachers. The feedback is sought from the teachers by the Principal and management during monthly board meetings. The worthy suggestions are incorporated into the policy decisions if needed. The Training and Placement Officer and Departmental Industry Institute Incharges and faculty members seek the feedback from existing as well as prospective employers through online as well as personal mode. The suggestions given by them are quickly incorporated into the teachinglearning process in the form of Soft Skill, Add on or Bridge Courses from time to time. The Central Alumni Incharge through the network of alumni seeks the feedback of alumni during the annual Alumni Meet. TAt the departmental level Faculty Incharge (Alumni) is connected with the students through Social Media. These suggestions are forwarded to HOD who in turn communicates to the Of Principals Office. Relevant suggestions are put before the concerned and the management if needed. The parents are important stakeholders. The teachers of the college though unique Teacher Guardian Scheme are closely working with the parents. Once a year, the teachers visit the residences of the allotted students. TS The details on the socioeconomic background are sought and analyzed. The inputs for improvements are sought from the parents. They are communicated to the HoD who in turn forwards the same to the Office of the Principal. who in turn initiates necessary actions though Vice Principal, Deans, HoDs and TPO. Apart from home visits, twice a year, the parents are called for Parents Teachers Meeting. This meeting also provides the platform for the institute to interact with the parents. During the forthcoming semester, the plan for online feedback from all the stakeholders is in pipeline.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Civil	60	62	50
BTech	Computer Science	60	79	63
BTech	Electrical	60	42	30
BTech	Mechanical	120	70	69
BTech	Information Technology	60	72	55
BTech	Electronics & Telecommunication Engg	120	35	33
BTech	EN	60	0	0
MBA	MBA	60	89	60
Mtech	Electronics	24	6	4
Mtech	Computer Science	24	11	9

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1591	119	139	9	9

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
148	148	500	28	28	500

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

The institute has well carved out Student Mentoring Scheme known as Teacher Guardian Scheme. The scheme is effective from the time the student enters the college in the first year and continues till he completes the final year of under graduation or postgraduation. The ratio of teacher guardian allotment is 1:15. There is a separate class allowed for contact hours with the students wherein they discuss their academics and other related issues with the guardian teacher. The guardian teachers visit the residence of the students once in a year to connect with the parents and also to ascertain the socioeconomic background of the family. The psychological support is also provided to the students in the form of a wellness centre under the guidance of 4 qualified psychologists.

The contact hours for these sessions are earmarked in the regular time table, apart from the separate interventions for identifying the students who need further guidance and support for their emotional well being. On the career front, the senior students act as a mentor to help junior students to update and upgrade their skill sets during the experience sharing sessions with them. There is a team consisting of 80 senior students who volunteer as mentors in the structured mechanism. The overall mentoring system at JDCOEM truly provides the experience of Home away from home. This sets the tone for newly inducted students towards taking on the challenges in the dynamic college life. The special emphasis is on Students Mentoring is given by the management. It is worthwhile to mention that, due to an effective and innovative mentoring system, the students are achieving a higher level of excellence in chosen fields. The parents have expressed satisfaction with the effective implementation of the Students Mentoring System.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1708	148	1:115

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
128	148	0	22	16

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
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2019	Dr.P.B.Maheshwary	Director	Indian Society for Technical Education(ISTE), Best Teacher Award
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	IT	VIII	30/03/2019	05/06/2019
BTech	ETC	III	29/09/2018	03/01/2019
BTech	ETC	IV	30/03/2019	05/06/2019
BTech	ETC	V	29/09/2018	03/01/2019
BTech	ETC	VI	30/03/2019	05/06/2019
BTech	ETC	VII	29/09/2018	03/01/2019
BTech	CIVIL	III	29/09/2018	03/01/2019
BTech	CIVIL	IV	30/03/2019	05/06/2019
BTech	CIVIL	V	29/09/2018	03/01/2019
BTech	CIVIL	VI	30/03/2019	05/06/2019
BTech	CIVIL	VII	29/09/2018	03/01/2019
BTech	CIVIL	VIII	30/03/2019	05/06/2019
BTech	ELECTRICAL	III	29/09/2018	03/01/2019
BTech	ELECTRICAL	IV	30/03/2019	05/06/2019
BTech	ELECTRICAL	V	29/09/2018	03/01/2019
BTech	ELECTRICAL	VI	30/03/2019	05/06/2019
BTech	ELECTRICAL	VII	29/09/2018	03/01/2019
BTech	ETC	VIII	30/03/2019	05/06/2019
BTech	EN	III	29/09/2018	03/01/2019
BTech	EN	IV	30/03/2019	05/06/2019
BTech	EN	V	29/09/2018	03/01/2019
BTech	EN	VI	30/03/2019	05/06/2019
BTech	EN	VII	29/09/2018	03/01/2019
BTech	EN	VIII	30/03/2019	05/06/2019
BTech	ME	III	29/09/2018	03/01/2019
BTech	ME	IV	30/03/2019	05/06/2019
BTech	ME	V	29/09/2018	03/01/2019
BTech	ME	VI	30/03/2019	05/06/2019
BTech	ME	VII	29/09/2018	03/01/2019
BTech	ME	VIII	30/03/2019	05/06/2019

BTech	CSE	III	29/09/2018	03/01/2019
BTech	CSE	IV	30/03/2019	05/06/2019
BTech	CSE	V	29/09/2018	03/01/2019
BTech	CSE	VI	30/03/2019	05/06/2019
BTech	CSE	VII	29/09/2018	03/01/2019
BTech	CSE	VIII	30/03/2019	05/06/2019
BTech	IT	III	29/09/2018	03/01/2019
BTech	IT	IV	30/03/2019	05/06/2019
BTech	IT	V	29/09/2018	03/01/2019
BTech	IT	VI	30/03/2019	05/06/2019
BTech	IT	VII	29/09/2018	03/01/2019
BTech	ELECTRICAL	VIII	30/03/2019	05/06/2019
MBA	MBA	I	16/11/2018	01/02/2019
MBA	MBA	II	05/04/2019	03/07/2019
MBA	MBA	III	05/10/2018	23/01/2019
MBA	MBA	IV	05/04/2019	05/07/2019
Mtech	CSE	I	30/10/2018	07/01/2019
Mtech	CSE	II	08/04/2019	02/07/2019
Mtech	CSE	III	30/10/2019	07/01/2019
Mtech	CSE	IV	08/04/2019	02/07/2019
Mtech	EN	I	30/10/2019	07/01/2019
Mtech	EN	II	08/04/2019	02/07/2019
Mtech	EN	III	30/10/2019	07/01/2019
Mtech	EN	IV	08/04/2019	02/07/2019
BTech	CSE	I	15/11/2018	15/01/2019
BTech	CSE	II	30/04/2019	07/06/2019
BTech	IT	I	15/11/2018	15/01/2019
BTech	IT	II	30/04/2019	07/06/2019
BTech	ETC	I	15/11/2018	15/01/2019
BTech	ETC	II	30/04/2019	07/06/2019
BTech	EN	I	15/11/2018	15/01/2019
BTech	EN	II	30/04/2019	07/06/2019
BTech	ME	I	15/11/2018	15/01/2019
BTech	ME	II	30/04/2019	07/06/2019
BTech	ELECTRICAL	I	15/11/2018	15/01/2019
BTech	ELECTRICAL	II	30/04/2019	07/06/2019
BTech	CIVIL	I	15/11/2018	15/01/2019
BTech	CIVIL	II	30/04/2019	07/06/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The college has been imparting outcomebased pedagogy which ensures to develop Graduate attributes in students as per Blooms Taxonomy. Based on the same the teachinglearning is planned in such a manner so as to achieve each and every graduate outcome. Based on the syllabus, the slew of activitybased interventions such as Mini Project, Surveys, Social connect,penpaper test, presentations, team activity is planned for the students. All these activities help students to attain the graduate attribute in the context of the Washington Accord. The teaching modules are planned to ensure the outcomebased activity for the majority of the topics. The students are encouraged to undergo NPTEL MOOCS. It is worthwhile to mention that the college has been registering the highest number of enrollments during every cycle of NPTEL MOOCs. To develop all the graduate attributes, content delivery is spread over on job training, field surveys, visits, and theoretical contents. During the continuous evaluation, the major thrust is on understanding the concept, design development, problemsolving of a given engineering or management issue. As a part of Continuous Internal Evaluation, the special thrust is laid on Communication, Teamwork, and Life long learning as well. With the help of surprise tests, miniprojects, team activities, presentations, role plays, internships etc are mandated for the students at the institutional level. All the evaluation methodologies are internalized under the guidance and supervision of Dean Academics and Heads of the Department.

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

All the academic activities are planned well in well advance by Dean(Academics) and Heads of the Department. To finalize academic activities and academic calendar thereby the constant meetings and brainstorming sessions are held. during every semester break. The academic

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://jdcoem.ac.in/pdf/Co & Po.pdf>

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
CIVIL	BTech	CIVIL	70	54	78.26
EE	BTech	EE	47	40	85.10
ME	BTech	ME	90	71	79
MBA	MBA	MBA	30	26	86.66
CSE	BTech	CSE	45	42	93.33
IT	BTech	IT	48	44	91.66
EN	BTech	EN	10	10	100
ETC	BTech	ETC	53	35	66.04

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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)

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	360	London Street Project, PECS Nagpur	30000	30000
Major Projects	360	Installation of furnace at GIL Tadali, PECS Nagpur	35000	35000
Major Projects	360	Hiwerdhara Limestone and dolomite mine, Shivardhara, Yetwalmal, Srhrishti seva pvt. Ltd Nagpur	6000	6000
Major Projects	360	Pali Magnese ore deposit, Pali, Parseoni, Srhrishti seva pvt. Ltd Nagpur	6000	6000
Major Projects	360	Impact of bauxite dust on crop productivity of Kugjum II Mines, Lohardaga, Jharkhand, Srhrishti seva pvt. Ltd Nagpur	25000	25000
Major Projects	360	Bhudhanwanti Education Research Foundations (Excel Controlinkages Pvt ltd. Nagpur	100000	100000

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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
Intellectual Property Rights awareness Program for Faculties	Mechanical Engineering	10/01/2019

Intellectual Property Rights awareness Program for Students in association with Rajiv Gandhi Intellectual Property Rights	Mechanical Engineering	18/02/2019
CEO Series	MBA, Amol Pusadekar	14/02/2019
CEO Series	MBA Arun Ojha	17/02/2018
CEO Series	MBA Captain Jay Joshi	20/02/2018
CEO Series	MBA Krishana Kumar	02/02/2018
CEO Series	MBA P S rajesh	05/01/2018

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
eYantra Ideas Competition	Pravin Bhagat	Pune Institute of Computer Technology	18/02/2019	Mentor
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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
Physics	1
MBA	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)
International	Mechanical Engineering	24	5.87
International	CSE/IT Engineering	34	5.87
International	EN/ETC Engineering	6	5.87
International	Electrical Engineering	11	5.87
International	Civil Engineering	12	5.87
International	Basic science Humanities	6	5.87

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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
Basic Science and Humanities	2
View File	

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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
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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 activities	Number of students participated in such activities
Yoga Day	JDCEM	15	200
Energy conservation Activity	JDCEM	16	250
Cleanliness Activity at Khandala	Khandala near JDCEM	40	400
Swachhta Pakhavada	JDCEM	40	900
Cleanliness Activity at Borgaon	JDCEM	40	400
Friendship Day Celebration with Specially Abled Children	MatruShewasang	10	100
NSS Quorum	JDCEM	40	400

Reinstallation and Tree Plantation			
Cleanliness Activity at Fetri	Fetri	20	200
Kitchen WastManagement by SAAD under NSS	JDCOEM	15	100
awareness program on two burning topic in India which are Plastic Ban organic Farming at patansaongi	Patansaongi	40	200
Month of Togetherness and Unity	JDCOEM	10	350
Corporate Social Responsibility month	JDCOEM	14	180
Month of Human Rights	JDCOEM	16	200
Month of survey	Khandala, Fetri Near JDCOEM	20	250
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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
Peace Foundation	Best Participation Award	Peace Foundation Nagpur	6
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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 agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachhata Ranking	MHRD	Participation in Swachhata Ranking	10	100
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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
Study Tour (IISC, Bangalore)	Teachers	Self	2
Vidharbha Innovation Foundation	Teachers	Self	1

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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
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No Data Entered/Not Applicable !!!

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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
Indogerman Tool room, Aurangabad	23/02/2019	Provide hands on training on Mechanical, Electrical and Civil based Software	180
MAHAGENCO Service ltd	06/11/2019	Utilization of Flyash west land rejuvenation testing of fly ash	200
Goyal group of Industries	03/09/2019	Product Design	20

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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
800000	604159

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Newly Added
Laboratories	Newly Added
Others	Newly Added

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Sackinfo	Fully	2.5	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	12015	457306	676	422746	12691
Journals	20	42000	60	136160	80	178160
Reference Books	2742	1035710	0	0	2742	1035710
CD & Video	392	0	352	0	744	0
Weeding (hard & soft)	1000	0	182	0	1182	0

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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 !!!			
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	788	9	54	9	1	1	2	54	0
Added	0	0	0	0	0	0	0	0	0
Total	788	9	54	9	1	1	2	54	0

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

54 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
No Data Entered/Not Applicable !!!	

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
12000000	118764832	6000000	59232416

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)

The policies, processes and procedures for maintaining and utilizing physical and academic and support facilities, various laboratories, library, computing facilities etc are well laid out. The systematic dissemination of the same is done at various levels as per topbottom approach. There are set rules and regulations governing the usage of the physical, academic, computing, and sports facilities. • The physical resources are allocated to the respective departments. The data of issue receipt is maintained at the central level by Stores Department. The upkeep and maintenance of the same is undertaken at the central level by the maintenance department. • The academic infrastructure such as classrooms, laboratories is under the control of the various departments.

They look after the usage of the classrooms, laboratories under their respective departments. They are the custodians of all the resources allocated to their departments. The maintenance of the same is undertaken at the central level. The annual stock verification of the same is done. • The support facilities such as Wellness Centre, Common Rooms are maintained by the Wellness Department under the Dean (Capacity Building) and Common Rooms are monitored by Dean (Students). The maintenance of these facilities is done at the central level. • Library resources are looked after by librarian. There are rules and regulations displayed in the library for proper use of library resources. The annual library stock verification is done at the central level with the help of departmental library in charges. • The usage of computer centre, conference room, auditorium, sports facilities is looked after by respective in charges.

Since these are the central resources, their requisition is made through standard application with the concerned in charges. The in charges in turn keep the record and allocate the same on first come first served basis. • At relevant places, the rules and regulations are displayed for the students. The Code of Conduct Manual also mentions the rules and regulations about the usage, safety of the various facilities. The teaching and non teaching staff are also sensitized about the same through HR Manual. The deliberate efforts are made to create awareness amongst the newly inducted faculties at the beginning of every session. The record of all the equipments, facilities is maintained at the central level.

<http://www.jdcoem.ac.in/pdf/Write%20up%20policies%20for%20maintaining%20physical%20academic%20support%20facilities.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	JDCOEM Reaching The Unreached	653	19739223
Financial Support from Other Sources			
a) National	Ministry of Social Welfare and Justice Maharashtra	1551	62361186
b) International	0	0	0

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability	Date of implemetation	Number of students	Agencies involved
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enhancement scheme		enrolled	
Activity on Right to information	13/07/2018	22	JDCOEM
Activity on Right to education	14/07/2018	18	JDCOEM
Activity on Rights of old aged people	23/07/2018	13	JDCOEM
Activity on Human Rights and Transgender equality	28/07/2018	22	JDCOEM
Activity on Right to education and shelter	30/07/2018	16	JDCOEM
Activity on color discrimination and racism	31/07/2018	19	JDCOEM
Soft skills and Personality Development	10/09/2018	322	JDCOEM
Aptitude Enhancement Training	04/09/2018	62	Spirit Academy
Carrer and Personality Training	24/10/2018	105	Career Campus
Barclays Communication and Softskill Training	01/01/2019	210	Barclays
Personal Counselling	25/06/2018	288	Wellness Center JDCOEM
Out house activity Gunj	15/08/2018	20	Student Club JDCOEM
Stree	24/08/2018	17	Student Club JDCOEM
Social activity on electrical safety and use of solar cell	23/02/2019	12	JDCOEM
Computer Literacy Program	27/02/2019	15	JDCOEM
Social Responsibility	28/02/2019	230	JDCOEM
Corporate Social Responsibility	09/04/2019	20	JDCOEM
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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	Number of benefited	Number of students who	Number of students placed
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		students for competitive examination	students by career counseling activities	have passed in the comp. exam	
No Data Entered/Not Applicable !!!					
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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
7	7	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Byju, TCS, Wipro, Infocepts, Property Pistol, DMART, Syntel, Persistant, Global logic, Tech M, Amazon, Just Dial, Triveni Turbines, Face, Intellicrats, etc	369	237	Kclouddata, TCS, Jaro Education, ExttraMarks, Zycus, Accenture, Teleperformance, Genpect, etc	125	32
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	JDCEM	Electrical	VIT Pune	M Tech Industrial
2018	1	JDCEM	Mechanical	GNIET Nagpur	MTech
2018	1	JDCEM	Mechanical	NIT Nagpur	MBA
2018	1	JDCEM	Electronics & Telecommunication	PCE Nagpur	M Tech
2019	1	JDCEM	Computer Science & Engg	JDCEM	M Tech

2019	1	JDCOEM	Informationa Technology	CDAC BANGLORE	PG DIPLOMAIN IoT
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2
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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
Vibrance	National	120
Terence Lewis Dance workshop	National	350
Old is Gold Music Concert	National	35
Red FM Dance Music Event	National	60
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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
2018	Best Student for Ethical Activity	National	0	1	JBE14105	Rasika Chaudhari
2018	Spot Photo graphy	National	0	1	JBE16146	Abhishek Parate
2018	Cartooning	National	0	1	JBE15034	Aashish Chambhare
2019	Rangoli Co mpetition	National	0	1	JBEG1	Group Activity
2019	Folk Dance	National	0	1	JBEG2	Group Activity
2019	Mimicry Co mpetition	National	0	1	JBEG3	Group Activity
2019	Skit Compe tition	National	0	1	JBEG4	Group Activity
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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)

To develop responsible citizenship, the college encourages student leadership through various Student Centric Activities. These activities are undertaken through Student Council and Student Clubs. The office bearers are selected

through screening tests and personal interview and also the academic performance of the students. The students are encouraged to contest for the various posts in the council and students club. Over the years, these two platforms have garnered popularity from the students. The beginning of the academic session marks the nomination, selections on student's council. To ensure gender equity, the girls and boys are given due representation. The Offices of the Dean (Students) and Dean (Capacity Building) look after the functioning of Students Council and Students Clubs in the college. These two offices are responsible for student's participation in cocurricular and extracurricular activities within and outside the campus for various competitions. The training and mentoring of the students for various competitions is done by these two offices with the help of dedicated trainers in the college. The Students Council of the college helps to conduct cocurricular, extracurricular activities within and outside the campus. The members of council and students club ensure to do screening of the students before the event wherein entries are to be restricted. The Student Council and Students Club help the students to develop the following abilities: • Teamwork • Communication • Decision making • Empathy • Leadership The members of the student council and students club volunteer for the social responsibility activities. They also act as the mentors for the junior students which help their adjustment in the new environment. Through these platforms, the students participate in university cultural and sports festivals, sports meet national competitions Hackathon, Chatra Vishwakarma, GoCart, Science Conclave etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

735

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

73550

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meet 22 December 2018

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)

Within the first ten years of inception the college has achieved many milestones. These achievements have been possible due to the various policies of the institutional leadership and confidence in the human resources of the college. At JDCOEM, the intellectual talent is provided, not only opportunities to expand academic horizons but are also trained for various leadership roles. The faculties are encouraged to take up leadership roles in various positions from head of the departments, portfolio in charges etc. The notable examples of decentralized practices are: • The Parent Society, Jaidev Education Society has entrusted directors and principal of the college with the policy decisions of JD College of Engineering and Management. All the policy matters regarding JDCOEM are taken care of by Directors, Principal and his team. These authorities are free to formulate policies, process and procedures for various areas of college performance. • The management of the parent society conducts

deliberations with the college management on regular basis and is encouraged to work in decision making mode, instead of seeking opinions from them. This faith and confidence of college ownership has helped workforce to evolve and excel. •

Apart from the above, the posts of deans have been created. There are four deans viz, Dean(Academics), Dean(Admn), Dean(Students), Dean(Capacity Building). The notable decentralization initiatives are: 1. The academic policies are formulated by Dean (Academics) in consultation with Heads of the Department and IQAC team. Based on the requirement of the course, examination schedule, previous year results, requirement of the recruiters etc the academic policies are formulated and executed by this team in seamless manner without any undue interference from any higher authorities at the society level. The assessment evaluation criterion and other parameters of academic indicators are finalized by this team. Dean (Admn) ensures the formulation of administrative policies with respect to student section, accounts section, maintenance and other administrative areas. These policies formulation and execution is done in consultation with the principal of the college. Dean (Student) looks after the student's development of the college. This office ensures the participation of the students in various competitions at state, national and regional level. All the policy decisions are taken in consultation with the principal. Dean (Capacity Building) undertakes various initiatives for students and staff wellness, capacity enhancement in consultation with the principal.

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
Curriculum Development	Although the college for the session 201819 was affiliated to DBATU, the systematic and deliberate efforts were made to developed and impart beyond syllabus content to the learners.
Teaching and Learning	To prepare students as per the attributes of Engineering and Management Graduates as stated by NBA, systematic efforts are undertaken to train teachers on how to deliver outcome based pedagogy for effective teaching. The three faculty development programs have been conducted in association with NITTR Kolkatta. To enhance the higher order thinking skills, the activity based teaching has been implemented in core subjects of engineering. • To imbibe the importance of self learning and lifelong learning, the students and teachers are taking up NPTEL MOOCS certifications regularly. In every cycle, both the counts are increasing
Examination and Evaluation	To ensure the development of higher order thinking and meta cognitive skills, the emphasis on experiential and activity based learning. Within the framework of university guidelines the

deliberate efforts are made to evaluate the students on the basis of various graduate attributes recommended by NBA. The academic clearance of the students is taken to ensure the timely completion and submission of all the academic activities which are mandated for students.

Research and Development

The teachers and students are constantly encourage to conduct research and development in frontier areas of science and technology. To ensure quality research the students are encourage to publish paper UGC approved journals at the time of their final year project. The strict check is in place to prevent plagiarism. Research and development policy has the provision for funding research publications and presentations. The teachers are provided an opportunity to interact with centers of higher learning such as IITs and IISC.

Library, ICT and Physical Infrastructure / Instrumentation

Use of digital learning devices is encouraged at all levels. The constant efforts are made to upgrade the physical infrastructure. To increase the use of library resources the students are registered on national digital library (NDL). The students are provided with library class in their time table in the presence of teachers. This helps to developed reading skills of the students.

Human Resource Management

human resources are given utmost importance. The various policies regarding human resources are documented in the form of HR Manual. The newly inducted teachers are provided with induction training to help them assimilate in the new work environment. To help teachers and non teachers to relieve and release stress they are also trained in performing arts such as dance, drama, music. They are provide stage to display talent during specially conducted family gathering in the presence of their beloved ones. Annual excursion of teachers is under taken. Eid iftar party during ramjaan and diwali milan are celebrated with great fervor. All such initiatives help to increases camaraderie among the teachers and non teachers. Financial aid is also provided to staff during family emergency as and when required by them.

Industry Interaction / Collaboration	To increase the current practices of the industry, CEO series has been initiated, wherein the corporate heads conduct interactive sessions with the students and teachers. The college has vibrant industry interaction cell wherein teachers visit the industries in and around vidarbha region to understand the problems faced by industries. The efforts are made to provide solutions to the prevailing problems if possible. The students are taken regularly for industrial visits. They are encourage to undertake the visit from the point of view of providing solution to the prevailing problems. The compulsory internships are provided to students after every semester break.
Admission of Students	The college being situated in rural area, the deliberate efforts are made to improve the quality of incoming students. To attract serious students the college conducts robotics workshops in various schools and junior colleges across vidarbha region. The college also conducts awareness workshops about engineering career in association with print media. The emphasis is on reaching the potential aspirants thorough digital media.

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

E-governace area	Details
Administration	The functioning of stores and maintenance departments is implemented through ERP namely Synchronik.
Finance and Accounts	The finance and accounts functions are conducted thorough through ERP namely Synchronik.
Student Admission and Support	The student admission and support functions are conducted thorough through ERP namely Synchronik.
Examination	Being affiliated to DBATU that is the technical university of Maharashtra examination work is govern by examination portal of the university.

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

2018	PRASHANT MAHESHWARY	NPTEL ONLINE	NPTEL ONLINE	2235
2018	NEETU GYANCHANDANI	Assemble Exprimental Kit	Assemble Exprimental Kit	4000
2018	NEETU GYANCHANDANI	Assemble Exprimental Kit	Assemble Exprimental Kit	1000
2018	NEETU GYANCHANDANI	Students Space Challenge (NSSC) At IIT Kharagpur	Students Space Challenge (NSSC) At IIT Kharagpur	7000
2019	NEETU GYANCHANDANI	EYantra 2019	EYantra 2019	12210
2019	NEETU GYANCHANDANI	NPTEL Chapter	NPTEL Chapter	10000
2018	GAYATRI PADOLE	FDP	FDP	750
2018	ASHA DAVE	FDP FOR VNIT	FDP FOR VNIT	750
2018	ANJALI CHANDAK	FDP FOR VNIT	FDP FOR VNIT	750
2018	BHUSHAN MAHAJAN	FDP FOR DBATU	FDP FOR DBATU	8285
2018	SUHAS REWATKAR	SSTP AT KDK ISTE	SSTP AT KDK ISTE	500
2018	JITENDRA PANCHABHAI	SSTP AT KDK ISTE	SSTP AT KDK ISTE	500
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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)
2018	FDP for Newly inducted teachers	NA	05/06/2018	07/06/2018	35	0
2018	NABL Accreditation of Labs: An overview	NA	14/06/2018	16/06/2018	52	0
2018	Energy Conservation Awareness Workshop	NA	13/06/2018	13/06/2019	148	0
2018	Expert Lecture on Funding Opportunities for Engg	NA	04/08/2018	04/08/2018	65	0

	.Colleges					
2018	NA	FDP for Non Teaching Faculty	15/10/2018	19/10/2018	0	68
2019	Workshop on Intellectual Property Rights	NA	16/01/2019	16/01/2019	50	0
2018	STTP on Problem Solving Decision Making in association with NITTR, Kolkatta	NA	31/12/2018	06/01/2019	67	0
2018	STTP on Evaluating Students Performance Designing Question Papers in association with NITTR Kolkatta	NA	25/03/2019	31/03/2019	58	0

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP	1	17/11/2018	17/11/2018	1
FDP FOR VNIT	2	08/12/2018	09/12/2018	2
FDP FOR DBATU	2	28/09/2018	02/10/2018	5
SSTP AT KDK ISTE	2	24/12/2018	29/12/2018	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
128	128	157	157

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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No Data Entered/Not Applicable !!!

6.4 – Financial Management and Resource Mobilization

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

Accounts department of college headed by full time Chartered Accountant. This office ensures all the mandatory compliance such as Fee Regulating Authority (FRA), Shikshan Shulk Samiti and all the scholarship related work. At periodic intervals internal audit is undertaken. The books of accounts and financial statements are subjected to external audit. The external auditor certifies all the financial transactions at the end of the year. The various systems are in place to carry out day to day financial transactions.

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	Yes	Senior faculties from reputed engineering colleges	Yes	HODs and Deans
Administrative	No		No	

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

1) Home Visit : The teacher guardian of every student visits the home of every students allocated to him/her. This helps to understand the socioeconomic background of every student. This is the first touch point for parents which helps institute to develop connect with the parents. 2) Connecting Parents Through Digital Media: Departments connects the parents through Whatsapp groups wherever possible. 3) Parents Teachers Meet: During the academic year parents teachers meet conducted in the college premises. The parents are briefed about various initiatives undertaken by the college and also the future line of action towards the holistic well being of the students. 4) Counseling Sessions : The parents are offered sessions on counseling and other behavioral issues of their wards by the wellness center of the college.

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

1) Support Staff Training: Training session are conducted for non teaching and support staff in the areas of job responsibility, ethics and manners. 2) Service Quality : The sessions on importance of service quality and servqual are conducted by the experts. 3) Performing Arts Trainings: Session are conducted for training in dance, drama and music in regular basis. 4) Sports Activity: Cricket tournament is organized every year. 5) Participation in

development programs outside the college : The non teaching staff also sent to participate in the development programs conducted y the other colleges.

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

1) The college got NAAC accreditation in the year 2017. On the basis of the overall analysis and the recommendation of NAAC peer committee the college applied for grant of Autonomy to UGC in the year 2018. On the basis of the same, the college has been conferred autonomous status from UGC for the session 2019 20. 2) The training and placement activities have been strengthened by imparting rigorous training on concurrent technologies. 3) The program outcomes and course outcomes have been revisited on the basis of which teachers are trained to deliver outcome based pedagogy. Three training programs have been conducted in association with NITTR Kolkatta. 4) The process of registration of Alumni Association with relevant authority has been already initiated. 5) To strengthened research aptitude of the teachers, the college has appointed veteran and seasoned engineering professor as technical advisor who guides and mentors teachers to carry out research. 6) The faculties are encourage to fetch grants through various schemes of AICTE, UGC, etc.

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	No

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
2018	Energy Conservation Awareness Workshop	13/06/2018	13/06/2018	13/06/2018	148
2018	Expert Lecture on Funding Opporrtunities for Engg.Colleges	04/08/2018	04/08/2018	04/08/2018	65
2018	FDP for Non Teaching Faculty	15/10/2018	15/10/2018	20/10/2018	68
2019	Workshop on Intellectual Property Rights	16/01/2019	16/01/2019	16/01/2019	50
2018	STTP on Problem Solving Decision Making in association with NITTR,Kolkatta	31/12/2018	31/12/2018	05/01/2019	67

2018	STTP on Evaluating Students Performance Designing Question Papers in association with NITTR Kolkatta	25/03/2019	25/03/2019	30/03/2019	58
2018	FDP for Newly inducted teachers	05/06/2018	05/06/2018	07/06/2018	35
2018	NABL Accreditation of Labs: An overview	14/06/2018	14/06/2018	16/06/2018	52
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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
Beti Bachao Beti Padhao	20/08/2018	20/08/2018	110	117
Work Place Gender Sensitivity	10/09/2018	10/09/2018	52	68
Vishakha Guidelines	01/10/2018	01/10/2018	115	109
Promoting Gender Equality	24/12/2018	24/12/2018	87	52
Women Empowerment Sumit	11/09/2019	12/09/2019	32	48

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
The process of installing solar power units is in process.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Ramp/Rails	Yes	1
Any other similar facility	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
2018	1	1	24/07/2018	1	Cleanliness Activity	Awareness about hygiene Cleanliness Activity	440
2018	1	1	03/08/2018	1	Cleanliness Activity	Awareness about hygiene Cleanliness Activity	440
2018	1	1	25/08/2019	1	Cleanliness Activity at Fetri	Awareness about hygiene Cleanliness Activity	220
2018	1	1	20/09/2019	1	Plastic Ban organic Farming	Awareness program on two burning topic in India which are Plastic Ban organic Farming	240
2018	1	1	10/10/2018	1	Computer Training Program	Digital and Computer Literacy	32
2018	1	1	01/08/2018	4	Month of Survey	Sanitation Waste Water Disposal	35

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Students Code of Conduct	01/06/2018	This student manual contains formalities about admission procedure, modalities regarding fees payment,

		<p>transportation rules and regulations, anti ragging documents. The detailing is done on behavioral aspects of the students.</p> <p>The various student centeric schemes like teacher guardian, mentor mentee scheme, students clubs, etc are detailed in the document.</p>
Standing Orders	19/06/2019	<p>This is the set of orders for various administrative processes such as purchases, material handling, security, vendor management. The policies and procedures for effective functioning of students, accounts section and library also mentioned.</p>
HR Manual	25/05/2018	<p>This HR manual contains policies and procedures regarding teaching and nonteaching staff code of conduct, leave rules, to avail CL, CCL, ML, DL, OD. There is provision for special leaves for marriages of grief occurrences. The manual also contains the policies regarding joining and exit. Provisions are also there for research and development activities for the faculties. Performance appraisal report, confidential reports formats are well documented in the manual. This manual is subjected to changes if required.</p>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Friendship Day Celebration	05/08/2018	05/08/2018	79
Cleanliness Activity at Khandala	05/10/2018	05/10/2018	400
Month of Togetherness and	01/08/2018	31/08/2018	350

Unity			
Corporate Social Responsibility month	01/02/2019	28/02/2019	180
Awareness session on Voting Rights	09/10/2018	09/10/2018	875
Yoga Day Celebration	21/06/2018	21/06/2018	200
Teachers Day Celebration	05/09/2018	05/09/2018	900
Dahi Handi Competition	11/08/2018	11/08/2018	825
Kite Festival/ Lohri	15/01/2019	15/01/2019	800
Garba Vibes	12/10/2018	12/10/2018	850
Blood Donation Camp	16/01/2018	16/01/2018	118
Tree Plantation	15/06/2018	15/06/2018	252

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

<p>The team of 20 plus full time gardening staff headed by garden supervisor constantly ensures the ecofriendly upkeep of the campus. To make campus ecofriendly, every year trees are planted. The trees for plantation drive are identified not only on their aesthetic value but also their utility to the ecosystem of the local area.</p>
<p>The students are constantly sensitized about the waste disposal and use of ear marked waste disposal system installed at various location of the college. There is expansive usage of dust bins across the campus. It may be mentioned that dust bins are customized and manufactured by the workshop of the college.</p>
<p>In order to reduce the carbon footprints the college believes in the philosophy of reuse and recycle. The notice boards, door handles and other fittings are manufactured in the workshop of the college.</p>
<p>The garden waste is subjected to compost manufacturing This compost plant helps to meet the nutritional requirements of the green neighbors of the campus.</p>
<p>The internal arrangements of all the work stations such as classrooms, labs, staff rooms and various offices are made to maximize the natural light and air. The deliberate efforts are undertaken to sensitize about the same to every member of JDCOEM campus.</p>
<p>All the female washrooms are equipped with necessary solid waste disposal management system.</p>
<p>To reduce the consumption of ground water the water from three ponds in the college is used to water the plants spread across the campus.</p>

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

<p>Over the period, the college has developed various practices to enhance the quality of experience and takeaways for the stakeholders. Notable best practices undertaken by the college are: • Teacher Guardian Home Visit: The teacher guardian of the students visits the residences of the students to connect with the parents every year. This helps to bridge the gap between parents and the institute. The parents are made aware about the various</p>

initiatives of the college and also the importance of their active involvement in the sound development of their wards. The home visits are totally funded by the institution. • Industry visit by the teachers: To facilitate outcome based education, the teachers individually visit the various industries to identify the industrial problems and also opportunities for consultancy. • Wellness counseling: The College has full time qualified psychologists who take care of emotional well being of every JDain. The slots of wellness centre are incorporated in regular time table so that the psychologist could identify the students who require further counseling. • Centre for Performing Arts: To help students to pursue their hobbies and chisel talents, the college has appointed fulltime trainers for dance, drama, music. The classes for the same are part of regular time table in every syllabus. The students and teachers are provided lessons and training at these centres. • Lifelong learning: To inculcate self learning and to imbibe upon the lifelong learning, the college promotes Online courses of NPTEL/Swayam. The MOOCS offered are opted by the students and teachers in large numbers. The percentage of clearing these MOOCS is increasing in every cycle. The faculties and students are clearing the academic and beyond syllabus modules in flying colours with Elite or Gold Certifications. • Activity Based Learning: To meet the requirement of Graduate attributes and to develop higher order thinking and meta cognitive skills amongst the students the, the academic modules are supported by well defined activities. • Board Meetings: To ensure decentralized management, the college management conducts Monthly Board Meetings separately with all the teachers and non teachers. This brings together the important stakeholders on one platform to deliberate on various issues ranging from academics to governance.

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

<http://www.jdcoem.ac.in/pdf/7.3.1.pdf>

7.3 – Institutional Distinctiveness

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

To be a center of excellence imparting professional education satisfying societal and global needs. Envisaging this vision the college is striving to excel in all aspects of teaching learning processes. To offer industry ready curriculum the college has been awarded autonomous status UGC from 2019 20. This is the major milestone achieved by the college within 10 years of inception. To facilitate the education of weaker section of the society generous scholarship/ fee waivers are being offered to the students under Reaching The Unreached initiative. To ensure holistic development of the students the college has full fledged center for performing arts wherein the regular training for dance, drama and music is imparted. To identify the behavioral issues of the students the team of trained psychologist recruited by the college. To increase the placement of the students in tier 1 companies, the students are trained on hard skills but also on soft skills training is imparted by the team of soft skill aptitude trainers. This is reflected in increase placements of students in the companies of high repute. The various survey projects undertaken by the students as a part of curriculum are the testimony of institutes vision to satisfy the local needs. The proposed center for sustainable development also endorses the institutes vision to satisfy local needs. To conduct research and create research eco system the college has applied for research center to the affiliating university from the session 2020 21.

Provide the weblink of the institution

<http://www.jdcoem.ac.in/pdf/7.3.1.pdf>

8.Future Plans of Actions for Next Academic Year

The plan for the forthcoming academic year is to strengthen the curricular aspects, teaching learning processes, to strengthen students support , training the teachers, and to increase the economic viability of the operations of the college. In order to offer the best of the curriculum, the college shall be applying for autonomous status to UGC. The teachers will be trained to impart outcome based pedagogy. In order strengthen the teaching learning processes to the next level, the college envisages to recruit more experienced faculties. The HR Policy revamp is under consideration to will be done to prevent attrition of the trained talent in the organization. The intensive focus will be given on attracting good quality students so as to enhance the image of the institute and also to fill in the 100 seats to ensure economic viability to the entire operations of the college. The teachers will be given extensive training to carry out research and development activities and train them to work on quality publications in the journals of high repute. The rampant awareness will be created with respect to Intellectual Property Rights among st the students and the teachers.In order to train the students in all the graduate attributes of NBA, the students will be encouraged to undergo NPTEL MOOCs Certification. The well placed ecosystem will be created throughout the college to guide students and help them clear the NPTEL certifications. In order to bring in the economic viability to the operations of the college, the focus will be to admit the good quality students and bring the college on the choice code amongst the engineering aspirants in the region.