



Yearly Status Report - 2018-2019

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	J D 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	srikantsonekar@gmail.com
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.	919011010038
Mobile no.	9421632159
Registered Email	deanssd@jdcoem.ac.in
Alternate Email	ujwalasdangejdcoem@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/AOAR/AOAR17-18.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://jdcoem.ac.in/wp-content/uploads/2024/02/ac-2018-2019-1.pdf

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
Robotics & Automation in	25-Jun-2018	37

Engineering	6	
Introduction to Microsoft Word: Formatting & Document Management	20-Aug-2018 6	70
Design Thinking & Problem Solving in Engineering Education	22-Oct-2018 6	35
Cultivating a culture of Research among Engineering faculty & students& Innovation	14-Jan-2019 6	42
Internet of things & its impact on Engineering DisciplinesEngineering	04-Mar-2019 6	38
Effective Communication skills for engineering support staff	08-Apr-2019 6	78

L::asset('/', 'public')/public/index.php/admin/get_file?file_path='.encrypt('Postacc/Special_Status/'. \$instdata->upload_special_status))}

[View Uploaded File](#)

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
Dr. S V Sonekar	FDP	AICTE	2018 6	300000
Dr. Ujwala S. Dange	FDP	AICTE	2018 5	227750
Dr. Ujwala S. Dange	FDP	AICTE	2019 365	1437000
Prof. N. H. Patil	Industry Funding	Goyal Industries	2019 1825	4000000

[View Uploaded File](#)

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View Link](#)

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 Uploaded 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)

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 very high 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.

[View Uploaded File](#)

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
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 Uploaded File	

14. Whether AQAR was placed before statutory body ?	Yes
--	-----

Name of Statutory Body	Meeting Date
IQAC	28-Mar-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
--	----

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	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)	The college has ERP software Synchronik 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.

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 employability/entrepreneurship	Skill Development
NPTEL	Advance Aircraft Maintenance	22/01/2019	20	employability	Nil
NPTEL	Foundation Engineering	15/11/2018	20	employability	Nil
NPTEL	Data Base Management Systems	15/11/2018	20	employability	Nil
NPTEL	Deep Learning	15/11/2018	20	employability	Nil
NPTEL	Cloud Computing	15/11/2018	20	employability	Nil

NPTEL	Introduction to Research	15/11/2018	20	Nil	Skill Development
NPTEL	English Language for Competitive Exams	27/04/2018	20	Nil	Skill Development
NPTEL	Soft skills	27/04/2018	20	Nil	Skill Development
NPTEL	Introduction to Basic Spoken Sanskrit	27/04/2018	20	Nil	Skill Development
NPTEL	Intellectual Property	27/04/2018	20	entrepreneurship	Nil
NPTEL	Design for Quality, Manufacturing and Assembly	27/04/2018	20	entrepreneurship	Nil
NPTEL	Engineering Metrology	27/04/2018	20	employability	Nil
NPTEL	Introduction to Abrasive Machining and Finishing Processes	15/11/2018	20	employability	Nil
NPTEL	Marketing Management-I	15/11/2018	20	employability	Nil
NPTEL	Marketing research and analysis	15/11/2018	20	employability	Nil
NPTEL	E-business	15/11/2018	20	employability	Nil
NPTEL	Advance Aircraft Maintenance	22/01/2019	20	employability	Nil
NPTEL	Electronic Waste Management - Issues And Challenges	22/01/2019	20	employability	Nil
NPTEL	Cryptography and Network Security	22/01/2019	20	Nil	Skill Development
NPTEL	Enhancing Soft Skills	22/01/2019	20	Nil	Skill Development

and
Personality

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 !!!		
View Uploaded File		

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	Civil Engineering	22/06/2015
BE	Computer Science and Engineering	26/06/2011
BE	Electrical Engineering	22/06/2017
BE	Electronics and Telecommunication	27/06/2011
BE	Information Technology	22/06/2011
BE	Mechanical Engineering	22/06/2011
BE	Electronics Engineering	22/06/2011
Mtech	Computer Science and Engineering	25/06/2012
Mtech	Electronics Engineering	25/06/2012
Mtech	VLSI	25/06/2012
Mtech	Wireless communication and Computing	25/06/2012
MBA	Masters of Business Administration	28/06/2010

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

	Certificate	Diploma Course
Number of Students	1395	0

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	30
English Language for Competitive Exams	22/10/2018	40
Soft Skill	21/01/2019	40
Soft skill Development	01/10/2018	30
View Uploaded File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
View Uploaded File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>The feedback from all the above mentioned 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.</p>

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	48
BTech	Computer Science	60	79	60
BTech	Electrical	60	42	29
BTech	Mechanical	120	70	69
BTech	Information Technology	60	72	50
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
View Uploaded File				

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	1496	117	108	22	16

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
130	130	500	33	7	500

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

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

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

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 JDCEM 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
1613	130	1:12

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
130	130	0	5	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 state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr.P.B.Maheshwary	Professor	Indian Society for Technical Education (ISTE), Best Teacher Award
View Uploaded File			

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	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
BE	ETC	V	29/09/2018	03/01/2019
BE	ETC	VI	30/03/2019	05/06/2019
BE	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
BE	CIVIL	V	29/09/2018	03/01/2019
BE	CIVIL	VI	30/03/2019	05/06/2019
BE	CIVIL	VII	29/09/2018	03/01/2019
BE	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

BE	ELECTRICAL	V	29/09/2018	03/01/2019
BE	ELECTRICAL	VI	30/03/2019	05/06/2019
BE	ELECTRICAL	VII	29/09/2018	03/01/2019
BE	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
BE	EN	V	29/09/2018	03/01/2019
BE	EN	VI	30/03/2019	05/06/2019
BE	EN	VII	29/09/2018	03/01/2019
BE	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
BE	ME	V	29/09/2018	03/01/2019
BE	ME	VI	30/03/2019	05/06/2019
BE	ME	VII	29/09/2018	03/01/2019
BE	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
BE	CSE	V	29/09/2018	03/01/2019
BE	CSE	VI	30/03/2019	05/06/2019
BE	CSE	VII	29/09/2018	03/01/2019
BE	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
BE	IT	V	29/09/2018	03/01/2019
BE	IT	VI	30/03/2019	05/06/2019
BE	IT	VII	29/09/2018	03/01/2019
BE	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
No file uploaded.				

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.From time to time principal and dean academics ensure that academic calendar is adhered to. The preparation of academic calender begins immediately after the completion of on going semester. It may be mentioned that along with teaching learning process the academic calendar also constitutes the host of co curricular and activities conducted during the particular semester. The concerned HOD takes into account constraints and allotted annual activities while proposing the academic calender. The teachers

are given adequate time to prepare for semester the students are also adequately sensitized about the relevance and adherence of academic calendar. 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)

https://jdcoem.ac.in/wp-content/uploads/2024/02/2.6.1_CO2018-19.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	58	82.86
EE	BTech	EE	47	40	85.10
ME	BTech	ME	93	70	75.26
MBA	MBA	MBA	32	23	71.88
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

[View Uploaded File](#)

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://jdcoem.ac.in/wp-content/uploads/2024/02/2.7.1-STUDENT-SATISFACTION-SURVEY-2018-19.pdf>

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
Any Other (Specify)	6	AICTE/ISTE/ Induction/Refresher Program of furnace at GIL Tadali, PECS Nagpur	3	3
Any Other (Specify)	5	RIFD/FDP/AICTE Limestone and dolomite mine, Shivardhara, Yetwalmal, Sshrishthi seva pvt. Ltd Nagpur	2.27	2.27
Any Other	365	SPDP/AICTE	14.37	14.37

(Specify)				
Industry sponsored Projects	1825	Goyal Industries40	40	40
View Uploaded File				

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
"Awareness on Prototyping and 3D Printing " Guest Lecture	Mechanical Engineering	18/12/2018
Seminar on "Teaching Methodology "	Mechanical Engineering	13/02/2019
Workshop on Amazon Web Services	Mechanical Engineering	26/08/2018
Workshop on IOT	CSEIT	20/08/2018
Seminar on Business Intelligence	CSE/IT	17/02/2018
Workshop on C Language	CSE/IT	29/01/2019
Workshop on UNIX OS	CSE/IT	28/08/2018
Webinar on business Intelligence	MBA	17/08/2018
Seminar on 3D Printing	ETC	18/07/2018
Seminar on Wire Harnessing	ETC	18/08/2018
Seminar on Cell Phone and Tower Radiation Hazards and Solution	ETC	29/01/2019
Seminar on Recent trends in IT Industry	ETC	02/08/2019
Seminar on Hardware Networking and Cloud Computing by Revat Networking	ETC	28/02/2019
Seminar on Certificate course in Embedded System Design	ETC	03/09/2019

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
Appreciation Award for Chess Competition	Arman sheikh	Raisoni group of institutes	16/10/2018	Appreciation Award for Chess Competition
View Uploaded File				

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

Incubation	Name	Sponsored By	Name of the	Nature of Start-	Date of
------------	------	--------------	-------------	------------------	---------

Center			Start-up	up	Commencement
JDCOEM, Nagpur	JDCOEM INCUBATION	SELF SPONSERED	SHUBHANGI CASTING	CASTING INDUSTRY	06/02/2018
View Uploaded File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
	02	

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

Name of the Department	Number of PhD's Awarded
Electronics and Telecommunication	1
Electrical Engineering	1
Civil Engineering	1
MBA	1

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	4	1.2
International	MBA	24	1.2
International	IT	12	1.1
International	Electrical Engineering	8	1.2
International	Civil Engineering	10	1.1
International	CSE	21	1.2
International	BSHD	8	1
International	ETC	6	1.1
View Uploaded File			

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
CSE	3
ETC	2
EE	1
ME	2
Civil	1
MBA	1
BSHD	1
View Uploaded 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
Digital Ticket Booking and Checking Using Aadhaar Card or Fingerprint and Android Application	Dr. SHRIKANT VIJAYRAO SONEKAR	International Conference on Recent Developments in Control, Automation Power Engineering (RDCAPE)	2018	10	JDCOEM, Nagpur	10
Cluster head selection and malicious node detection in wireless ad hoc networks	Dr. SHRIKANT VIJAYRAO SONEKAR	Next-Generation Networks: Proceedings of CSI-2015	2018	10	JDCOEM, Nagpur	10
View Uploaded File						

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
Digital Ticket Booking and Checking Using Aadhaar Card or Fingerprint and Android Application	Dr. SHRIKANT VIJAYRAO SONEKAR	International Conference on Recent Developments in Control, Automation Power Engineering (RDCAPE)	2018	4	10	JDCOEM, Nagpur
Cluster head selection and malicious node detection in wireless ad hoc	Dr. SHRIKANT VIJAYRAO SONEKAR	Next-Generation Networks: Proceedings of CSI-2015	2018	4	10	JDCOEM, Nagpur

networks					
View Uploaded File					

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nil	110	Nil	Nil
View Uploaded File				

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
Drugs Addiction	NSS	5	70
Daan Utsav at Orphanage run by NGO	NSS	4	26
View File			

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
Matadan Janjagruti Mohim	Appreciation	Panchayat Samiti Nagpur	10
View File			

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
NSS	NSS CELL MECHANICAL	Drugs Addiction	5	70
NSS	NSS CELL MANAGEMENT STUDIES Baal Sadan Orphanage Nagpur	Daan Utsav at Orphanage run by NGO	4	26
View File				

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
project work	Tejaswi Tembhurne	Self	365
project work	Prachi Paunikar	Self	365
View File			

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
Internship	Training	Hero Motor Co-Op.Ltd	01/06/2019	30/06/2019	1
Internship	Training	Ishanaya Integration	16/12/2018	31/12/2018	1
View File					

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
Globe talent tracck pvt. Ltd.	26/07/2017	Field visit	35
Astral informaticcs limited	29/06/2017	Field visit	29
View File			

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
80	67.91

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

4.2 – Library as a Learning Resource

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

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

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total

Text Books	97	45305	Nil	Nil	97	45305
Journals	15	36000	Nil	Nil	15	36000
Digital Database	2742	1035710	0	0	2742	1035710
CD & Video	392	0	352	0	744	0
Weeding (hard & soft)	1000	0	182	0	1182	0
View File						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Rohit Sharma	ET	Google sites	31/10/2018
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	450	10	50	9	1	1	2	50	0
Added	0	0	0	0	0	0	0	0	0
Total	450	10	50	9	1	1	2	50	0

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

50 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
Rohit Sharma	https://sites.google.com/view/thermodynamics

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
800	835.32	32	36.87

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.

<https://jdcoem.ac.in/wp-content/uploads/2024/02/maintenance-policy.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	54	2693480
Financial Support from Other Sources			
a) National	Ministry of Social Welfare and Justice Maharashtra	1565	125375136
b) International	0	0	0

[View File](#)

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
---	------------------------	-----------------------------	-------------------

Career Opportunities in Object Oriented Languages(CSE)	20/06/2018	30	JDCOEM
Nukkad Natak Akhir Kab Tak On Human Rights (CE)	28/07/2018	22	Kaushalya Club, CE, JDCOEM, Nagpur

[View File](#)

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	JDCOEM-Unlocking Success: Mastering the GATE Exam - Series of Guest Lecture Module1 for Civil Branch students on Strategies and Insights 2018-19	1898	991	5	287

[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					

[View File](#)

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
------	-----------------------------------	--------------------------	---------------------------	----------------------------	-------------------------------

	higher education				
2018	1	JDCOEM	Civil	IIT, Delhi	Advancement Management
2018	1	JDCOEM	Electrical	VIT, Pune	MTech
2018	1	JDCOEM	Electrical	VNIT Nagpur	MTech
2018	1	JDCOEM	Information Technology	JDCOEM Nagpur	M Tech
2018	Nil	Nil	Nil	Nil	Nil
2018	Nil	Nil	Nil	Nil	Nil
View File					

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
Any Other	5
View File	

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

Activity	Level	Number of Participants
Rhythm: faculty development program	National	120
STREE:Episode 2	National	350
Nukkad Natak Based on Human Rights(CSE)	National	35
FUTSAL Football(ME)	National	60
View File		

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	Runner Up (Silver medal)	National	1	Nil	JBTECH18313	Ravina Nagdeve
2018	Runner Up 2 1(Bronze Medal)	National	1	Nil	JBTECH18034	Prajwal Duryadhan
2018	Zonal sports award	National	1	Nil	JBE15392	Swarup Vaidhye
2019	4th Rank	National	Nil	1	JBE17452	Group Activity

2019	2nd Rank	National	Nil	1	JBEG2	Group Activity
2019	Third Winner	National	Nil	1	JBTECH18 319	Akash Gondane
2019	Winner	National	Nil	1	JBE17071	Jay Patel

[View File](#)

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:

367

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

51550

5.4.4 – Meetings/activities organized by Alumni Association :

Seminar on computational intelligence in wireless sensor networks, Seminar on Cement Admixture, Seminar on "Software Development Life Cycle", Seminar on Opportunities in Data Analytics, Seminar on Emerging Trends in Automotive Design Seminar on Career Paths in Mechanical Engineering, Session on preparation for interview, Seminar on 3-D printing, Seminar on Hardware - Networking and Cloud

Computing, Alumni Expert guest lecture on Beyond the Degree: Alumni Reflections on Career Paths, Alumni Expert guest lecture on Beyond the Degree: Alumni Reflections on Career Paths, Alumni Meet 2019

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	<p>human resources are given utmost importance. The various policies regarding human resources are documented in the form of HR Manual.</p> <p>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.</p>
Industry Interaction / Collaboration	<p>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.</p>
Admission of Students	<p>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.</p>

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

E-governance 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 through through ERP namely Synchronik, Tally TDS.
Student Admission and Support	The student admission and support functions are conducted through 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
No Data Entered/Not Applicable !!!				
View File				

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	"Robotics and Automation in Engineering Education"	Nil	25/06/2018	30/06/2018	37	Nil
2018	Nil	"Introduction to Microsoft Word: Formatting and Document Management"	20/08/2018	25/08/2018	Nil	70
2018	"Design Thinking and Problem-solving in Engineering"	Nil	22/10/2018	27/10/2018	35	Nil

	Education"					
2019	"Cultivating a culture of Research Innovation among Engineering Faculty and Students"	Nil	14/01/2019	19/01/2019	42	Nil
2019	"Internet of Things and its impact on Engineering Disciplines"	Nil	04/03/2019	13/04/2019	38	Nil
2019	Nil	"Effective Communication skills for Engineering Support Staff"	08/04/2019	13/04/2019	Nil	78

[View File](#)

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
Python Unleashed: Transforming Ideas into Innovation	19	12/06/2018	21/06/2018	10
Product design Engineering	3	23/11/2018	27/11/2018	5
Blockchain Technology6	6	03/12/2018	08/12/2018	6
Six Sigma Principles for Engineering Improvement	20	24/12/2018	29/12/2018	6
Problem Solving and Decision Making	11	31/12/2018	04/01/2019	5
Industry 4.0 : Elevating	23	07/01/2019	12/01/2019	6

Digital Transformation				
Wire Harness and Cable Harness	4	13/01/2019	18/01/2019	6
Evaluating students performance and designing question papers	3	25/01/2019	01/03/2019	4
Fusion 360 faculty Development Program	1	27/11/2018	28/11/2018	2
IoT Applications in Engineering	18	17/04/2019	22/04/2019	6
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
130	130	147	147

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
76	22	54

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 !!!		
View File		

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	Yes	Inhouse	Yes	Inhouse

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

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
Street Play 'Stree-Har Aam Ladki ki Kahaani'	21/08/2018	21/08/2018	116	70
Elementary rules of maintaining hygiene	03/10/2018	03/10/2018	130	0
Workshop on 'Building a healthy relationship with yourself'	06/10/2018	06/10/2018	106	0
Play 'Say No to sexual harassment'	20/10/2018	20/10/2018	147	43

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
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	1
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva	Number of initiatives taken to engage with and contribute to	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
------	--	--	------	----------	--------------------	------------------	--

	ntages	local community					
2019	1	1	18/01/2019	1	Energy Conservation	Awareness Program on Energy Conservation	32
2018	1	1	18/04/2018	1	Save Water Save Earth	Conservation of Water	180
2018	1	1	18/08/2018	1	Harit Gram Sundar Gram	Awareness on Tree Plantation	25
2018	1	1	20/09/2018	1	Plastic Ban organic Farming	Awareness about harmful effects of Chemical fertilizers pesticides	47
2018	1	1	06/10/2018	1	Training Demonstration on Kitchen waste management by SAAD	Effective Waste Management Practices	81
2018	1	1	11/12/2018	1	Swaachh Bharat Abhiyan	Importance of Cleanliness	25
2018	1	1	13/07/2018	1	Energy Conservation	Awareness Program on Energy Conservation	190
2018	1	1	25/10/2018	1	Plastic free village	Importance of sustainability	50

[View File](#)

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	01/06/2018	This student manual

Conduct		contains formalities about admission procedure, modalities regarding fees payment, transportation rules and regulations, anti ragging documents. The detailing is done on behavioral aspects of the students. The various student centeric schemes like teacher guardian, mentor mentee scheme, students clubs, etc are detailed in the document.
Code of Conduct for Administrators Faculty	19/06/2019	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.
HR Manual	25/05/2018	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.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
View File			

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

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.

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.

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.

The garden waste is subjected to compost manufacturing This compost plant helps to meet the nutritional requirements of the green neighbors of the campus.

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.

All the female washrooms are equipped with necessary solid waste disposal management system.

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.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

The institution has implemented Teacher Guardian Scheme to provide support and guidance to the students on academic, professional and psychosocial issues maintain connect with the parents. Under Graduate/ Post Graduate students often need mentoring, guidance and counselling on psychosocial issues, academics and career options. TG facilitates the seamless acclimatization of the student to the new environment. Each TG is assigned a group of 15-20 students, who are with him till graduation. TG maintains the student's personal profile, attendance record, academic progress, participation details, achievements, health concerns, disciplinary action taken data in a confidential file. One hour TG session per week facilitates discussion on matters of concern. TGs visit homes of the students from far flung areas to understand their socio-economic background build rapport with parents. In addition to academic career guidance, TGs also escort the students to hospitals in medical emergencies and to higher authorities in case of malpractice or misconduct by the students. The institute focuses on Fostering Industry Academia Collaboration to bridge the industry academia gap and equip the students with necessary skills and information to make informed career decisions. Alignment between industry requirement and the skills imparted by the educational institutions ensure a seamless transition to the world of work for aspiring professionals. It prevents wrong career choices. The synergistic relationship is exhibited through industrial visits, internships, live projects and Industry Experts' engagement in curriculum designing, delivery, guest lectures, and workshops, FDPs, MOUs. The industry academia collaboration has translated to MOUs being signed for Industrial visits, internship opportunities and live projects for students. Seminars Workshops have been conducted by industry resource persons. Industries have benefitted through consultancy services rendered by faculty.

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

institution website, provide the link

https://jdcoem.ac.in/wp-content/uploads/2024/02/7.2.1/7.2.1_Best%20Practices_2018-19.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

JDCOEM, is committed to provide quality education to the weaker sections of the society. The students seeking admission for various programs belong to the families of marginal farmers, landless labour, daily wage labourers etc. Generous scholarships and fee waivers are offered to them under the 'Reaching the Unreached' initiative. An enabling environment is created by providing support in the form of Teacher Guardians, who act as mentors to the students and offer them emotional and academic support. The institute practices an "Open Door Policy" for the students, wherein the students can approach any authority without any hesitation. Regular slots for Soft skills, Library, Counselling TG are an integral part of the time table. Weekly one hour for performing arts and two hours for sports are ingrained in the time table for all round development of students' personality. Students Clubs at the college level and student forums at the departmental level provide an opportunity to the students to showcase their talents right from conceptualizing to execution of various events. Regular training sessions conducted by the in house trainers in conjunction with outside experts/ training partners plays an indispensable role in making the students industry ready.

Provide the weblink of the institution

https://jdcoem.ac.in/wp-content/uploads/2024/02/7.3.1/7.3.1_Institutional%20Distinctiveness_2018-19.pdf

8.Future Plans of Actions for Next Academic Year

PLAN OF ACTION FOR NEXT ACADEMIC YEAR 2019-20

1. To introduce Outcome based education in the institution from the academic year 2019-20.
2. To organize FDP for the Faculty members to make them aware about the student centric pedagogy.
3. To organize International Conference to facilitate the transfer of knowledge among the industry and academia.
4. To organize workshops on CO-PO attainment.
5. To encourage student and faculty participation in technical events
6. To encourage maximum enrollment in NPTEL Swayam courses and provide other online learning platforms.
7. To organize 'Women in Engineering' Summit in association with IEEE.