



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	J D College of Engineering and Management
• Name of the Head of the institution	Dr.Shrikant Sonekar
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	9823583089
• Alternate phone No.	7720039691
• Mobile No. (Principal)	9823583089
• Registered e-mail ID (Principal)	principal@jdcoem.ac.in
• Address	Near Hanuman Mandir, Borgaon Fata, Kalmeshwar Road,
• City/Town	Nagpur
• State/UT	Maharashtra
• Pin Code	441501
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	05/08/2019
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr.Ujwala Dange				
• Phone No.	9011010038				
• Mobile No:	9421632159				
• IQAC e-mail ID	usdange@jdcoem.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/AOAR/AOAR19-20.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	yes				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.16	2017	12/09/2017	31/12/2024
6.Date of Establishment of IQAC			16/08/2016		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				
9.No. of IQAC meetings held during the year	4				
• Were the minutes of IQAC meeting(s) and	Yes				

compliance to the decisions taken uploaded on the institutional website?		
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>1. Streamlining of admission work during peak pandemic times. 2. initiated the networking of alumni through dedicated Alumni portal to initiate fruitful dialogue and connect with alumni. 3. Pro active efforts to strengthen IT infrastructure to streamline online teaching learning process during pandemic. 4. Faculty development through Online Mode by conducting FDPs in association with Spoken Tutorials. 5. Training and evaluation of faculty towards CO PO mapping and Outcome based education.</p>		
12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		

Plan of Action	Achievements/Outcomes				
To attract admissions during pandemic	After several brainstorming sessions, Admission Automation Software was procured. The admissions were 400+ during the severe pandemic situation				
To initiate effective connect with alumni	Taking into account the significance of alumni connect, the Alumni portal was subscribed due to which the college is actively connected with alumni				
To strengthen the IT infrastructure	Sensing the need of IT infrastructure to undertake online teaching, the departments were equipped with necessary infrastructure.				
Employee engagement practices during pandemic	Faculties attended several online FDPs with respect to specific domains and in association with Spoken Tutorials, FDPs were conducted by the college				
Training of faculty in CO PO mapping	Since the Autonomy was entering into 2nd year, the faculties were further trained and evaluated towards COPO mapping				
13. Was the AQAR placed before the statutory body?	Yes				
<ul style="list-style-type: none"> Name of the statutory body 					
<table border="1"> <thead> <tr> <th>Name of the statutory body</th> <th>Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td>IQAC</td> <td>12/08/2020</td> </tr> </tbody> </table>		Name of the statutory body	Date of meeting(s)	IQAC	12/08/2020
Name of the statutory body	Date of meeting(s)				
IQAC	12/08/2020				
14. Was the institutional data submitted to AISHE ?	Yes				
<ul style="list-style-type: none"> Year 					

Year	Date of Submission
2020	17/01/2020

15. Multidisciplinary / interdisciplinary

Through Online portals such as NPTEL, Coursera, the students are encouraged to pursue multidisciplinary and interdisciplinary courses. With advancing of Autonomy to further semesters, pursuing such courses has become order of the day. Through Open electives the students are pursuing other domains.

The college offers major and minor specialization which enables students to pursue the specialization of their choice along with their first branch in which they have been admitted.

16. Academic bank of credits (ABC):

The Academic Bank of Credits (ABC), as envisioned by the National Education Policy 2020, holds significant importance for students in India. The ABC serves as a virtual mechanism that manages the academic credits earned by students in Higher Education Institutes (HEIs) across India. Recognized by the University Grants Commission (UGC), it plays a pivotal role in enhancing academic mobility and flexibility.

In order to fulfill the vision of NEP2020 and provide students with flexibility Academic Bank of Credits (ABC) has been implemented as per the directives from AICTE.

17. Skill development:

Skill development in various domains is imparted at departmental level by undertaking expert/guest lectures from time to time. The students are encouraged to pursue online certifications from time to time. Students also undertake internships offline and online to enhance their skills and employability. Soft skill being the important attribute, the students are encouraged to pursue Online courses in Softskill and personality development, organization behaviour, English for engineers etc.

18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

To keep students grounded to their roots, they are imparted formal training in dance, drama, music by the dedicated faculty. The various cultural festivals like Garba, Lohri, Makar Sankranti helps them to know the Indian Culture. The college is actively associated

the SPICMACAY, The Society for Promotion Indian Culture, Music and Arts amongst youth. Has hosted various stalwarts in the campus on behalf of SPICMACAY. The college buildings and laboratories are named after the great Indian scholars, scientists etc. The buildings are named as Nalanda, Vikramshila, Takshshila etc., which helps students to know the rich Indian legacy. To ensure students develop right proficiency for local language and national language i.e. Marathi & Hindi the newspapers in vernacular languages are subscribed in college library. Apart from library the newspapers are made available in Academic blocks so that students are able to access them from their respective academic blocks, while on the go.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The very reason for seeking autonomy by the college is to impart the outcome based education. The constant efforts are taken to empower the ability of teachers to undertake outcome based pedagogy. FDPs in association with NITTR have been attended by the faculties. The subjects have been divided into Basic Science courses, Humanities and Management Courses, Engineering Science courses, open electives, professional elective, program core course along with Projects, internships which gives exposure to the students in multiple areas where the thrust is on performance rather than writing the answer.

20.Distance education/online education:

Institute has been prioritizing online education. Blended learning and usage of technological tools are being used to increase students engagement and enhance learning outcome. Students are encouraged to pursue online courses and are given the option of pursuing major and minor specialization through MOOC courses. To facilitate seamless teaching learning in online mode, the teachers have been oriented towards effective use of online platforms. Few notable practices to develop flair for online teaching learning we use:

- Collaborative tools like google forms, google docs, google sheets for information sharing
- Google classroom to maintain the class records
- Online platforms such as Webex, Zoom, Google Meet etc.

Extended Profile

1.Programme

1.1	11
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1	1844
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	View File
2.2	524
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3	1844
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1	549
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2	146
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	146
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	294
4.2 Total number of Classrooms and Seminar halls	33
4.3 Total number of computers on campus for academic purposes	450
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	707.07643
Part B	
CURRICULAR ASPECTS	
1.1 - Curriculum Design and Development	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<p>Program Outcomes for every course are as mandated by All India Council for Technical Education. Course Outcomes are decided keeping in view the demographics of the students in terms of their qualifying examination marks, other previous academic credentials. For curricular branches, the Course Outcomes, Program Specific Outcomes are attributed adhering to National and global needs of the concerned industry.</p> <p>In case of core branches of engineering such as Civil, Electrical, Mechanical, the requirement at local and regional level are also considered. Thrust is given of self employment opportunities as well</p>	

as placement in the local industries. To decide the COsPSOs alongwith departmental faculties, valuable insights are offered by industry representation at respective Board of Studies. Vital inputs are shared by Academic Council and Governing Body as well to enhance the student centric interventions in curriculum and other aspects.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/02/Curriculum Relevance to PSO 2020-21.pdf

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

9

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

139

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

189

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

108

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The institue has introduced courses like Basic human rights (BHR) and Universal Human Values (UHV) to integratecross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The objective of these courses are to: 1. Development of a holistic perspective based on self-exploration about themselves (human being), family, society and nature/existence. 2. Understanding (or developing clarity) of the harmony in the human being, family, society and nature/existence 3. Strengthening of self-reflection. 4. Development of commitment and courage to act.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

11

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1120

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1175

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained

A. All 4 of the above

**from 1) Students 2) Teachers 3) Employers
and 4) Alumni**

File Description	Documents
Provide the URL for stakeholders' feedback report	Stakeholder-Feedback-2020-21.pdf (jdcoem.ac.in)
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://jdcoem.ac.in/wp-content/uploads/2024/02/Student_feedback20-21.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1844

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

341

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

At entry level, the slow learners and bright students are identified based on their overall performance in Internal Assessment. The mentors regularly monitor the progress of their mentees. The class teachers along with mentors assess the progress of the students after every IA test and the parents are intimated.

Guidelines to identify slow learners

Students scoring less than 40% of marks in Internal Assessment.

- Mentor follows the student's progress regularly; advise them about attending classes and making up missed classes.
- Intimating parents about their ward's performance.
- Conduction of remedial classes.

Guidelines to identify Bright students

Students awarded as First Class with Distinction (FCD) in their Semester exams.

Students are motivated to take up mini projects and encouraged to participate in inter college national fests.

- Encouraged to attend conferences, workshops and publish papers.
- Encouraged to take up competitive examinations like GATE, GRE etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/02/2.2.1_2020-21-1.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
28/12/2020	1844	146

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

To ensure the effective delivery of teaching learning processes involving active students participation the following student centric methodologies are adopted apart from conventional chalk and talk method.

- The pedagogical interventions include Powerpoint presentation by the teachers and students. the students are assigned various topics within and beyond the syllabus for their scheduled presentation before the class. This helps students to understand the topic in detail as they have to undergo indepth preparation for the same.
- Video lectures from youtube, NPTEL, Coursera etc are shared amongst the students ahead of the scheduled class so that the students get to know the topic in better manner. The links for these lectures are shared through departmental semesterwise whats app groups.
- The students are assigned various subject specific activities to enhance their practical knowledge. Activities selected are such that they cover the most of the topics of the particular subject.
- Mini and major projects are assigned to students to implement their theoretical underpinnings.
- During pandemic times the students were provided appropriate assistance in case of difficulties faced while using online meeting platforms like google meet, zoom etc.
- During online mode of teaching, to check the understanding daily quizzes were carried out.
- Based on the daily analysis of the above, the questions which got most incorrect response were discussed in the next class during first 10 minutes.
- The students were encouraged to access National Digital

Library for remote access as during pandemic they were not in campus.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/02/Student-Centric_learning_2020-21.pdf

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

To optimize effective teaching learning process , the following tools are used by the Institute:

1. Projectors- projectors are available in different classrooms/labs.
2. Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.
3. Printers- They are installed at Labs, HOD Cabins and all prominent places.
4. Photocopier machines - Multifunction printers are available at all prominent places in the institute.
5. Scanners- Multifunction printers are available at all prominent places.
6. Seminar Rooms- Three seminar halls are equipped with all digital facilities.
7. Auditorium- It is digitally equipped with mike, projector, cameras and computer system.
8. Online Classes through Zoom, Google Meet,)
9. MOOC Platform (NPTEL, Coursera, etc)
10. Digital Library resources (DEL NET, etc).

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://jdcoem.ac.in/wp-content/uploads/2024/03/2.3.2-ICT-FACILTY_2020-21.pdf
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

122

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic calendar is prepared before the commencement of the academic session. The office of the Dean Academics initiates the preparation of academic calendar in consultation with HOD's and section heads. All the norms laid out by AICTE regarding the duration of courses, National holidays, College level cultural events, co-curricular events, etc. are considered while preparing academic calendar.

End semester examination dates (Tentative) are also considered for the same. As soon as the Dean Academics office prepares and circulates the college level academic calendar, all the respective departments are required to prepare department level academic calendars in accordance with the college level academic calendars. Events like faculty feedback, parent teacher meeting, meeting of Class Representative with HOD, Forum installation etc are mentioned in the academic calendar.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality**2.4.1 - Number of full-time teachers against sanctioned posts during the year**

146

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

31

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

789

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

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

10.4

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

During Covid-19 Pandemic, all the examinations were conducted online including Mid Semester Examinations (MSE) and End Semester Examinations (ESE). All the exams were conducted online and papers were set adhering to Blooms Taxonomy using Goole suit provided by the college.

1. The question paper was shared to the students Google Classroom 20-30 minutes before the start of exam. 2. Students were asked to note down the questions on the paper. The entire examination was proctored by the invigilator on camera 3. Around 20-25 students were assigned to every teacher (Invigilator). 4. After the exam 15 minutes were given to the students to upload the pdf of answers written by them on Google classroom. Students were allowed to challenge the evaluation. If required, the Grade Moderation is done and the grades are submitted to COE and results are processed in Examination Sections. The presentation of results is done with the Principal and the committee before declaration. All possible efforts are made to declare the results within 15 days from the last date of Exam. In Oct.2019 we purchased the services of JUNO (EMS)howeverdue to technical glitches the contract was terminated inFEB. 2021.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/02/EXAMINATION-MANUAL-WITH-AMENDMENTS.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The college has adequately displayed and communicated the CO's, PO's and PSO's for the concerned stakeholders on prominent displays in the departments and on the website. Sensitization about the same is done from time to time on various platforms such as :

- Induction programs for first year & lateral entry students.
- stationary materials
- Question papers
- Scheme & Syllabus Documents
- Assignments, etc.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/02/2.6.1_CO2021-22.pdf

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

For every subject course outcomes are predefined in the scheme and syllabus. (The inputs for the same are sought from the academic and industry experts semi annually during BOS meetings). During entire teaching learning process various direct and indirect means and methods of evaluations are used such as assignments, tests, presentations, report writing, poster competition, quizzes, paper publications etc. to achieve desired course outcomes. Evaluation of attainment of COs is done at the end of the each semester after the declaration of results. This evaluation is done on the basis of the rubrics designed by the Dean (Academics) in consultation with all BOS (Chairman). Grade moderation sheet is provided to all the concerned subject teachers for mapping the CO attainment. Based on the attained COs target for the next years CO attainment are set. If required additional scrutiny is done to ensure the efficacy of the target set. This is done to prevent the overambitious CO target setting and effective monitoring of quality content delivery by teachers.

The Co attainment sheets are randomly evaluated during academic audits.

Program Outcome evaluation will be done on completion of program.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/03/OUTCOME-BASED-EDUCATION-MANUAL.pdf

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

507

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://jdcoem.ac.in/wp-content/uploads/2024/02/EXAMINATION-ANNUAL-REPORT-OF-COE-2020-21.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://jdcoem.ac.in/about-us/mandatory-disclosure/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

JD College of Engineering and Management (JDCEM) strongly believe that our service is to disseminate knowledge through teaching and

create new knowledge through research. For this it is necessary to foster a research culture amongst the faculty members and students along with necessary infrastructure and support facilities.

The R&D Cell is constituted with the following aims: 1. To cultivate strong research culture amongst faculty members and students. 2. To embed research in all levels of academic activity (undergraduate, postgraduate and PhD).

3. To increase the quantity and quality of our research outcomes. 4. To increase the sources of external research funding in order to build capacity, create new knowledge and research quality. Following document viz. R&D Policy is the collection of all the policies which are constituted for achieving our aims and objectives. The management reserves the right to take a decision over and above in special cases, in the interest of the college the policy of performance-based incentive financial assistance for career development of faculty's. The purpose of the Research Policy is to bring a vibrant atmosphere.

Highlights of our R&D policy are

1. Financial assistance to faculties
2. Special rewards for faculties
3. Incentives for higher studies to faculties.
4. Incentives for external funding received.
5. Rewards for faculty performance appraisals.
6. Incentives to students.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/3/3.1.1/20-21/3.1.1-20-21-II-Research-Policy.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

3.65

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research**3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)**

12.84692

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

9

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/3/3.3.2/20-21/3.3.2-merged-2020_21-Additionalinfo.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

10

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

9

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://goyalgroupindia.in/
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The Entrepreneur Development Cell (EDC) of JDCOEM has been established in the year 2017-18 to encourage graduating engineers to consider Self-employment as a career option. This cell promotes the Entrepreneurship through expert lectures, workshops, seminars,

business plan, idea pitching competitions and outdoor activities. It also provides technical and marketing support from innovation to entrepreneurship. The advisory board of ED Cell continually contribute to the Innovation Ecosystem through breakthrough solutions and suggestion for solving critical problems, and motivating students to become Entrepreneur.

Entrepreneurship Centre also helps students from family business background to implement new ideas and scale new horizons by redefining traditional way of doing business. We assist students in developing and sustaining family businesses in the age of changing dynamics of global competition and organization. We aim to install qualities in students to contribute to efficiency and growth of their organizations.

We have eminent personalities on the Advisory Board of Entrepreneurship Centre who have made remarkable contribution to their respective business field. Students receive regular guidance from these industry stalwarts and understand the know-how of contemporary business to develop community oriented entrepreneurial spirit.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/3/3.3.1/20-21/3.3.1.incubation-2020-21..Latest.pdf

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

16

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation | A. All of the above

of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

4

File Description	Documents
URL to the research page on HEI website	https://jdcoem.ac.in/research/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

89

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

17

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/3/3.4.4/20-21/3.4.4-2020-21-book-published-Additional-Info.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

259

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

53

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

1.07194

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0.30

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

To inculcate the virtues of responsible citizenship apart from curricular and cocurricular activities the extension activities under the edges of students club, departmental forum and Kaushalya are undertaken round the year. The activities renege from bringing awariness about glaring social issues such as drug abuse, save girl child, each one teach one, etc. The interventions such as roleplays, streetplays, various competitions, health checkup camps etc. are carried out in association with the neighbouring villages. Students are encouragded to reach out oldage homes, orphanages, railway footpaths and alike to conduct various outreach activities. All these helps students to relate with the societal problems and they

are also able to empathise with the sufferings of such people. Participation in such activities leads to holistic development in students and students are able to relate better with societal issues.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

7

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

11

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

732

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

87

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

6

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

The J D College of Engineering and Management (JDCEM) offers a picturesque campus spanning 10.24 acres, committed to providing modern infrastructure for education and research. The facilities include 33 classrooms fostering interactive learning experiences. Additionally, 59 specialized laboratories spread across provide hands-on practical learning across disciplines. The central library, houses an extensive collection of academic resources. For events, an auditorium accommodates seminars, conferences, and cultural performances. Common rooms spanning provide collaborative spaces for students' relaxation and discussions. Administrative functions are managed in dedicated administrative building to ensure smooth operations. These facilities are meticulously maintained, reflecting

JDCOEM's commitment to creating an environment conducive to learning, research, and personal development. Such state-of-the-art infrastructure underscores the institution's dedication to supporting students in achieving their academic and career goals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/02/Additional-Information.pdf

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The institution prioritizes holistic student development through a range of sports, cultural, and extracurricular activities. Sports are managed by dedicated personnel and student council members, facilitating training and participation in university and national-level events. The institute provides well-equipped indoor sports facilities and collaborates with local entities for outdoor sports. Yoga and meditation spaces contribute to the mental and physical well-being of faculty and students. Cultural activities occur throughout the academic year, utilizing outdoor spaces and auditoriums for events. Various clubs cater to diverse interests, including dramatics, music, literature, photography, dance, robotics, coding, Google development, and gaming. Students actively participate and organize these events, fostering a competitive and encouraging environment. The institution's objective is to unearth and nurture student talents while promoting overall personality development. With adequate infrastructure and student-driven initiatives, the institution strives to provide a comprehensive educational experience that goes beyond academics, emphasizing the importance of sports, culture, and extracurricular activities in shaping well-rounded individuals.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/02/2020-21-Report.pdf

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

33

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

00

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The Swami Vivekanand Library at JDCOEM serves as a comprehensive repository of knowledge, featuring thousands of books across various disciplines. It encompasses spacious reading rooms, discussion rooms, a reference section, and a computer center, designed to utilize natural light for an ideal study environment. The library is a member of prestigious networks such as DELNET, providing access to a vast array of electronic resources including e-journals like IEEE and ASCE. Additionally, it offers online public access catalog

(OPAC) facilities and services such as reprographic and Wi-Fi access. The library caters to the needs of students, faculty, and staff, offering membership with specific borrowing privileges. The library is staffed by qualified professionals, including a librarian and assistant librarians. Moreover, it is fully automated using ERP software, ensuring efficient operations. Rules and regulations are in place to maintain decorum and manage the circulation of materials effectively, with penalties for violations such as overdue books or damage to library resources.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/02/20-21-bills-1.pdf

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

0.948

File Description	Documents
Audited statements of accounts	View File
Any additional information	View File
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

22

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

JDCOEM prioritizes technological advancement, offering IT-enabled services to all stakeholders. With an extensive IT infrastructure, including multi-core fiber optic cables connecting buildings in a star network topology, the college ensures efficient communication. The allocation of funds for IT expansion and modernization, including upgradation of Wi-Fi bandwidth of , underlies its commitment to technological excellence. The Unified Thread Management System enhances cyber security, managing web and application protection, network traffic shaping, and user authentication. This system also regulates Wi-Fi access, ensuring secure digital environments for learning. Cybersecurity policies encompass regular software updates, strong password protocols, firewalls, and training programs to educate users on best practices. Content filtering safeguards against harmful websites, while data backups and disaster recovery plans ensure operational continuity. Detailed configurations include servers for ERP and utility services, unified threat management devices, and Wi-Fi access points strategically placed across campus buildings. With a robust IT infrastructure and stringent cyber security measures, JDCOEM cultivates a safe and conducive digital learning environment for its students and faculty.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/02/IT-POLICY.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1844	450

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 250 Mbps
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File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above
--	---------------------------------

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/02/Facilities-for-econtent-development-2020-21-onwards.pdf
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

707.07

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

JDCOEM implements thorough systems for the maintenance and utilization of its physical, academic, and support facilities. Each department manages its facilities with in-house staff, ensuring regular checks and prompt addressing of breakdowns. Laboratories are overseen by lab in-charges who maintain and upgrade equipment, conduct dead stock verification, and monitor performance. The central library, managed by the librarian and staff, focuses on material availability and annual stock verification, procuring books based on departmental needs. The sports in-charge maintains sports facilities, issues equipment, and records usage and activities. Classrooms are allocated and cleaned daily, with supervision from institute staff. IT facilities are managed by technicians and system administrators, with vendor assistance for major maintenance. Electrical and plumbing maintenance is handled by employed technicians, while housekeeping staff maintains gardens. Network and system administration teams manage CCTV and security systems, with external agencies maintaining equipment like projectors and air conditioners. Overall, these systematic approaches ensure efficient facility management, enhancing the academic environment at JDCOEM. These systematic approaches ensure the smooth functioning and efficient utilization of facilities at JDCOEM, enhancing the overall academic and support environment for students and staff.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/02/maintenance-policy.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the

Government during the year

1839

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

00

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://jdcoem.ac.in/wp-content/uploads/2024/03/Sample-Event-Reports-2020-21.pdf
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

3080

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

430

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

6

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

08

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

5

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The institute believes in involving all the stakeholders in the various processes. The students are given due representation in following academic and administrative bodies of the institution:

1. Class representatives are nominated on the basis of academic

performace of the students. These CRs are the bridge between studnets and teachers to address the related issues if any.

2. Students are given representation on Internal Complaint Committee, Grievance Cell, Anti Ragging Cell etc.

3. 15+ students clubs which are by the studnets for the students give adequate ecposure to the students in decision making, crisi managment, people management etc. The club members are selected based through rigorous interview process based on thier nominations by the jury constituting departmental forum incharges, Dean(Students), outgoing studentsclub president etc.

4. Departmental forums are there to conduct various co-curricular activities by the students. The forum office bearers are appointed by the respective HoDs and their teams.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/02/Student-Concil-20-21.pdf

5.3.3 - Number of sports and cultural events / competitions organised by the institution

24

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

JD College of Engineering & Management registers every passing out student into its Alumni association to effectively connect with alumni and enhance the network. The college is iin process ofsubscribingto online alumni portal Waave.

The communication with alumni is coordinated by departmental faculty alumni incharges. The central TPO and alumni incharges will share the updates about job opportunities, training domains and also the achievements of college time to time through various departmental alumni group of every batch. In order to enable the alumnis to stay connected with the teachers. The teachers are also registered on the portal. Since the alumni base is expanding to various cities, efforts will be in progress to form the alumni chapters of the college in cities such as Mumbai, Pune, Bangalore, etc. Alumni are invited/ connected by the departments to deliver experience sharing sessions, expert lectures, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/03/Alumni-Registration-2020-21.pdf

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The governance of the institution is reflective of an effective leadership in accordance with the vision and mission of the institution. The management firmly believes in utilizing human resources and enable every resource to explore their maximum potential in all aspects of academics, management administration.

The participative governance, bottom up approach in decision making is helping human resources to realize their latent potential. The teachers have been given representation on Governing Body, Academic Council, Board of studies, other administrative offices such as Controller of Examination, Training and Placement dept etc. Extensive consultation amongst various academic units, IQAC, finance committee College Development committee and other statutory bodies

are instrumental in effective decision making. It may be noted that these bodies ensure proper communication without any bottlenecks and hurdles.

Through Effective governance of leadership, the efforts are to empower employees to excel and contribute towards the development of the organization.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.1.1/2020-21/6.1.1 Vision Mission.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Teaching and non teaching staff of the college is provided opportunity in decision making through decentralized, democratic participative management. Roll up approach is adopted by the management so as to give freedom to every individual so as to help the person to express freely on the matters of academics and various administrative issues. Various policies, procedures are finalized based on the feedback of the concerned. Their creative and critical suggestions are considered before finalizing the document.

The principal and his team of deans, heads of the department and section heads are involved in every important strategic decision. With the inputs from the various boards, Heads of the department the decision regarding starting of new course, reduction of intake etc is taken. Since the first batch of autonomy is yet to roll out so instead of very ambitious targets our strategic plan documents the strategies to enhance teaching learning, research and development, training and placement, start up and entrepreneurship, faculty development and admissions.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/leadership/

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

In view of strategic plan implementation is its first phase following are the significant outcomes:

1. Training of teachers in outcome based pedagogy
2. Development of Elearning environment.
3. Funded projects
- 4 Training in concurrent technologies
5. Holistic development of students. These thrust areas have witnessed significant improvement.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.2.1/2020-21/6.2.1_Additional_information_2020-21.pdf
Upload any additional information	View File

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The functioning of various institutional bodies are formed for effective and efficient implementation of various administrative and academic protocols. The HR manual adequately reflects the procedure for recruitment, leave management and other service rules. The

faculties have been elevated to the higher administrative post to leverage their experience and expertise in the respective domains. The various bodies in the institute are:

1. College development committee
2. Governing body
3. Academic Council
4. Board of studies
5. IQAC
6. IIIC
7. Grievance Cell
8. ICC
9. Anti ragging cell
10. Examination cell

File Description	Documents
Paste link to Organogram on the institution webpage	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.2.2/2020-21/organogram_20-21.pdf
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.2.2/2020-21/6.2.2 Additional information HR Manual 2020-21.pdf

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	A. All of the above
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File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The teachers and non teachers are encouraged to give heightened performance in the allotted tasks. The faculties are provided various leaves such as medical leaves, Compensatory leaves, Grief Leave, Marriage leaves, duty leaves to carry out official duties and research work. The provisions are there to reimburse the travelling expenses, petrol allowance etc.

Based on the requirement of the faculties, the salary advance is provided to tie up the emergency. The faculty ward concession is provided for the faculties whose children are interested to pursue education at JDCEM.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.3.1/2020-21/6.3.1 Additional information 2020-21 welfare measures.pdf

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

79

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

5

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

79

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

To ensure the regular checks and necessary corrective action, the internal and external audits are conducted. The internal audits are conducted after the completion of the semester. The department are share prior formats and necessary sensitization is being done in regular meetings of HODs, Deans.

External audits are conducted after every semester to get the peer feedback about the teaching learning processes. So that the institute can improve upon the seemingly weak areas.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.4.1/2020-21/6.4.1 Additional-information 2020-21.pdf

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

5.24377

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The major source of revenue for the college is reimbursement of tuition fees of reserved category students by Govt.of Maharashtra, since these students are in majority in the college. The maximum dependency of the college is on the Govt.of Maharashtra. The delay in receipt of these funds affects the resource planning and mobilization of funds. The paucity of funds plays hindrance in meeting the operational and developmental expenses at certain times.

Based on the requirement and the availability of funds, the resources are mobilized.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.4.3/2020-21/6.4.3_Additional-information_2020-21.pdf

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

This is the first cycle of NAAC and our Autonomous batch is in second year, IQAC has been instrumental in improving the all spheres of teaching learning process as various criterions of NAAC focusses on different aspects like curricular, studnet support progression, research etc. In view of the same various commiitees are responsible to improve the performance in the rspective domains.

Improvements are visible in placement, lifelong learning, research activities of studnets such as copyrights, research papers etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.5.1/2020-21/6.5.1_additional_infor mation_2020-21.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The institution periodically reviews the teaching learning process through various means such as surprise vistis by the respective HOD's in classes. Regular counselling of teachers, monthly feedbacks from students, regular departmental meetings etc. Also semi annually audits are conducted. And these audits are deisgend to be very thorough and intends to improve the teaching learning process. Incentives and motivation to teachers performing well is also provided in the form of appreciation letters and annual best teaher

awards. The findings of the audit are communicated to the departments for further improvements.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.5.2/2020-21/6.5.2 Additional information Academic Audit 2020-21.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://jdcoem.ac.in/wp-content/uploads/2024/02/Annual-report-2020-21.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

JDCOEM undertakes host of initiatives towards Gender Sensitization of the students and faculties. Induction program of the first year students has sessions on gender sensitivity and compulsory training on Universal Human Values to imbibe tolerance and empathy. Each class has 1 male and 1 female Class Representative. Host of guest

lectures, workshops, industrial visits, technical competitions and summits are organized for the students. Students get an equal opportunity of being selected as office bearers of the various student clubs in the campus through a rigorous process of interviews. Various co-curricular and extra-curricular events are organized by these clubs. Under the Sashakt program of Ladies club, students are sensitized on gender equality, dangers of female foeticide, drug abuse and its impact on family and social life through street plays and flash mobs. Workshops on Self Defence, Menstrual Hygiene, Gynaecological Health, Food and Nutrition etc are conducted for female students. The students are allotted specific slots for sports activities every week. In the Annual Cultural Meet "Vibrance" the students are encouraged to share the stage for various cultural events. ICC, Grievance Cell, Anti Ragging Committee, SC/ST Cell, and Emergency Handling committee play an active role in preventing discrimination and promoting gender sensitivity.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/02/Gender-Audit-Report_2020-21.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

1. Solid Waste Management

Waste collection bins are available on every floor in all the

buildings & laboratories. Campus is cleaned daily by the cleaning staff under the supervision of Cleaning & maintenance in charge. The bio degradable waste is disposed off into the dumping yard especially designated for the purpose, from where it is transferred to compost pits for formation of manure. The non bio degradable is sold to vendors for recycling.

2. Liquid Waste Management

Waste water generated from the sanitary facilities is disposed off into septic tanks located in the campus and canteen waste water is used for gardening, watering trees etc. Ground water is recycled for drinking purposes by using RO filters.

3. Bio-medical Waste Management

Bio medical waste generated in the campus includes sanitary napkins, which are disposed off using incinerators installed in girls' wash rooms.

4. E-waste Management

E-waste mainly includes obsolete electronic devices. E-waste is disposed off through vendors.

5. Hazardous Waste Management

Acids in diluted form are used in engineering chemistry laboratory, which are discharged directly. When necessity arises to utilize a strong acid or base, they are neutralized before discharging. No radioactive elements of any form are used in the campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

7.1.4 - Water conservation facilities available

A. Any 4 or all of the above

in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental**

A. Any 4 or all of the above

promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. Though the institution has diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other

diversities. Festivals like Garba, Dahi Haandi, Diwali are celebrated with great fervour. Garba is marked by a representation of colorful hues of festivities. The college also performs Laxmi puja, wherein the entire JD family participates with gusto. Diwali milan is organized as a regular practice where pleasantries are exchanged. 'Oh Kaat' is the celebration of Makar Sankranti where people of all ages come together to fly colorful kites and engage in friendly competitions. Faculty members go to the nearest masjid for offering namaaz on Fridays. The college being located in the midst of nature, the blessings of naag devta are invoked by the non teaching staff on naag panchami for health, wealth, success, prosperity, and peaceful co-existence. The events in Annual cultural fest are in hindi, english and marathi. The celebration of national integration day encompasses the spirit of tolerance and inclusivity to the core.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

At J D College of Engineering & Management, the day starts with national anthem. The national anthem is also sung in all the functions. All national festivals are celebrated with great enthusiasm to inculcate a sense of patriotism in the students. Every year students come together and perform cultural programs like dance, skits highlighting societal problems. The students also prepare videos and speeches to share their thoughts on these days. Every year ex-defence or police persons are invited to share their experience and inspire and motivate young minds to contribute in building the nation. Every year Republic Day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence Day is also celebrated every year to highlight struggle of freedom and importance of Indian constitution. National Youth Day is celebrated on 12th of Jan every year to commemorate the Birth Anniversary of Swami Vivekananda. The main objective of national youth day and the reason for its observance is to create a platform for the youth & address their problem in various spectrum of life.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The J D College of Engineering and Management celebrate Teachers day. The students put up a show to express their love and gratitude for their teachers and salute the great Teacher Dr. Sarvepalli Radhakrishnan. International Yoga Day, celebrated annually on June 21st, signifies a global acknowledgment of the profound benefits that yoga offers for physical, mental, and spiritual well-being. Yoga session is organized in the college. Library Day is an occasion that serves as a reminder of the invaluable role libraries play in society. It is a celebration of knowledge, community, and empowerment. International Men's Day (IMD) is observed on November 19th each year, providing an opportunity to celebrate the achievements and contributions of men and boys while also addressing

critical issues affecting their well-being.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

https://jdcoem.ac.in/wp-content/uploads/2024/02/7.2.1/7.2.1_Best%20Practices_2020-21.pdf

File Description	Documents
Best practices in the Institutional website	https://jdcoem.ac.in/wp-content/uploads/2024/02/7.2.1/7.2.1_Best%20Practices_2020-21.pdf
Any other relevant information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/7/7.2.1/7.2.1 Additional Information-2020-21.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

REACHING THE UNREACHED: CHAMPIONING INCLUSION

With its committment to provide quality education to the weaker sections of the society, JDCOEM offers generous scholarships and fee waivers to the students under the 'Reaching the Unreached' initiative. "Vasudhaiva Kutumbakam", a Sanskrit phrase which means that the whole world is one single family, is an integral part of our culture. Covid-19 pandemic severely strained the financial resources of students and their families. Emergency need based support under 'Reaching the Unreached', provided them solace. The teaching learning remained unhampered even during covid due to adoption of digital tools like google meet, google classroom, google

forms and whatsapp which guaranteed the continuation of academics. Standing true to its value of treating the students as family members, the TGs actively engaged with the parents & students through online Parent teacher meets & phone calls to enquire about their well being & promote their mental health. Those experiencing high levels of emotional turbulence were provided assistance through counselling. The various Students Clubs and Forums that provide an opportunity to the students to showcase their talents transitioned to online activities. The placement figures are a testimony to the concerted efforts of Training & Placement Cell.

File Description	Documents
Appropriate link in the institutional website	https://jdcoem.ac.in/wp-content/uploads/2024/02/7.3.1/7.3.1_Institutional%20Distinctiveness_2020-21.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

PLAN OF ACTION FOR NEXT ACADEMIC YEAR 2021-22

1. To provide resources for ICT based teaching learning process.
2. To conduct online quiz, seminar , panel discussions.
3. To organize FDP on Online teaching learning
4. To promote online internships to students
5. To strengthen the mechanism for conducting online exam
6. To ensure proper sanitization of the premises and compliance of Covid protocols.
7. To intensify efforts for placements through rigorous student support