



YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	JD COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
• Name of the Head of the institution	Dr.Shrikant Sonekar
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	9823583089
• Alternate phone No.	07720039691
• Mobile No. (Principal)	9823583089
• Registered e-mail ID (Principal)	principal@jdcoem.ac.in
• Address	Near Hanuman Temple, Borgaon Fata, Kalmeshwar Road, Nagpur-441501
• City/Town	Nagpur
• State/UT	Maharashtra
• Pin Code	441501
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	31/07/2019
• 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	deanssd@jdcoem.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/AOAR/AOAR21-22.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://jdcoem.ac.in/wp-content/uploads/2024/02/ac2022-2023.pdf				
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	08/03/2023	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			3		
• 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)	
1. Conferment of Autonomy by UGC on 5th August, 2019. 2. Teachers training on Outcome Based Pedagogy. 3. Ph. D. Research Center. 4. Implementation of Activity based learning. 5. Re framing of Evaluation Pattern.	
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
1. To connect with educational institutes for MOU.	Greater engagement with other educational institutes and industries.
2. To encourage Faculty for writing technical books	Significant number of book publications were achieved.
3. To motivate the faculty and students for publishing research papers in reputed journals	Significant number of Research papers were published.
4. To introduce Skill based courses in the scheme	Several skill based courses were introduced
13. Was the AQAR placed before the statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	

Name of the statutory body	Date of meeting(s)
IQAC	20/04/2023

14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	

Year	Date of Submission
2022	20/12/2022

15. Multidisciplinary / interdisciplinary

To encourage students to gain the knowledge of various disciplines, the college has introduced Open Electives. Here the students have an opportunity to learn beyond their branches. Students are also encouraged to pursue MOOCs on the subject/domain of their choice. The suitable weightage for the same is given in the internal assessment for the students. The students are encouraged to pursue interdisciplinary projects to strengthen multidisciplinary and interdisciplinary learning.

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 with 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 with 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 12

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 2004

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 496

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 2004

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 Number of courses in all programmes during the year:	582
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	147
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	148
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	324
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):	912.24478
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.

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 circuitual branches, the Course Outcomes, Program Specific Outcomes are attributed adhering to National and global needs of the concerned industry. 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 as placement in the local industries. To decide the Cos, PSOs along with 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_2022-23.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

66

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

108

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

134

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 institute has introduced courses like Basic human rights (BHR) and Universal Human Values (UHV), Consumer Affairs to integrate cross-

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. The objective of all the above courses is to empower students towards humanizing technology so that they can be deeply connected to the societal roots.

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

108

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

3140

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

1771

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://jdcoem.ac.in/wp-content/uploads/2024/02/Stakeholder-feedback2022-23.pdf
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/Students-Feedback22-23.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

2004

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)

425

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 as and when required.
- During tutorial classes one to one doubt solving sessions are undertaken.

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_2022-23.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	2004	147

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 in-depth 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 whatsapp 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.
- As and when required students can connect via online meeting platforms like google meet, zoom etc.
- The students were encouraged to access National DigitalLibrary for remote access when they are 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 2022-23.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. OnlineClasses 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_2022-23.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

105

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

147

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

35

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)

919

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**

12.9

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

27

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

Continuous Assessment is carried out as per academic calender. There are 2 unit tests per semester and 1 Mid Semester Exam. 50% of internal marks are allotted as per the score secured in the Mid Semester Exams. Students are also encouraged to undertake activities like assignments, Quizzes, presentations, report preparation & submissions, poster presentations, etc. Eachof these activities are allotted marks. At the end of each semester students are allotted marks based on the number and quality of activities performed. End Semester Exams are conducted by the Exam Section.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.

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

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/2024/03/OUTCOME-BASED-EDUCATION-MANUAL.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

460

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-2022-23-1.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/wp-content/uploads/2024/02/2.7.1-STUDENT-SATISFACTION-SURVEY-2022-23.pdf>

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/3/3.1.1/22-23/3.1.1-22-23-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)

8.25

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

8

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)

13.2183

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

14

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/3/3.2.2/22-23/3.2.2-AdditionalInfo.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

8

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

14

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/3/3.3.1/22-23/3.3.1.incubation-2022-23..Latest.pdf

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

26

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 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

A. All of the above

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

15

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

204

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

21

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/3/3.4.4/22-23/3.4.4-2022-23-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

683

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

56

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)

14.104

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

0.25

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	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/3/3.6.1/2022-23/3.6.1-2022-23-Extension-&-outreach-Activity.pdf

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

21

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)

30

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

1515

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

270

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)

32

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 including seminar rooms, fostering interactive learning experiences. Additionally, department wise laboratories enable hands-on practical learning across disciplines. The central library houses an extensive collection of academic resources. Auditorium accommodates seminars, conferences, and cultural performances. Common rooms provide collaborative spaces for students' relaxation and discussions. Administrative functions are managed through departmental offices as well as centralized Administrative building named as "Suryaprastha" 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 endorses 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/2024/02/2022-23-Reports.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)

72.65369

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. With a built-up area of 660 square meters and a reading room capacity of 150 students, 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/2024/02/22-23-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)

2.17425

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

165

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 upgraded Wi-Fi bandwidth of 300 Mbps, underscores 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
2004	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. 750 Mbps

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)

72.65369

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

1941

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

61

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

A. All of the above

Hygiene) Awareness of Trends in Technology

File Description	Documents
Link to Institutional website	https://jdcoem.ac.in/wp-content/uploads/2024/03/Sample-EventReports-2022-23.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**2940**

File Description	Documents
Any additional information	View File
Number of students benefitted 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

381

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

11

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

19

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

39

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 performance of the students. These CRs are the bridge between students 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 students for the students give adequate exposure to the students in decision making, crises management, people management etc. The club members are selected based through rigorous interview process based on their nominations by the jury constituting departmental forum in charges, Dean(Students), outgoing students club 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 Head of Departments and their teams.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/03/Student-Concil-22-23.pdf

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

62

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 in process of subscribing to online alumni portal Waave. The communication with alumni is coordinated by departmental faculty alumni in charges. The central TPO and alumni in charges 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 alumni's 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/2024/03/5.4.1_2022-2023.pdf

5.4.2 - Alumni's financial contribution during the year	D. 2 Lakhs - 5 Lakhs
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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 model of the college ensures that teachers participate in the decision making bodies of the college.

Management, Directors and Principal actively participate in the Governing Body to ensure the policy statements and action plans are aligned for attaining the mission & vision of institute.

The Principal frames the rules and regulations in consultation with Governing body and Academic council of the institution. Deans, Heads of Departments, Section Heads & IQAC, work in tandem to ensure smooth administration. The senior professors, with assistance of faculty members, are part of Various Statutory & Non Statutory Committees that assist the Principal in routine administration and academic processes.

The Academic Council, Respective Board of Studies, with the Support of COE & Dean Academics govern the academic functioning of the College. Dean Academics is responsible for smooth conduction of Academic activities. The respective BoS is responsible for framing Curriculum as per the needs of the stakeholders, ensuring effective teaching and learning processes, fostering conducive atmosphere for research and development and encouraging lifelong learning.

The management periodically takes review of the policies, the implementation of the action plans.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.1.1/2022-23/6.1.1 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, increase/reduction of intake etc. is taken.

Our strategic plan documents the strategies to enhance teaching learning, research and development, training and placement, start-up and entrepreneurship, faculty development and admissions.

Active Participation is encouraged through delegation of various authority & responsibility through various important portfolios & committees at central level.

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/wp-content/uploads/2024/NAAC/6/6.1.2/2022-23/6.1.2_additional_information_2022-23.pdf

6.2 - Strategy Development and Deployment

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

The institutions has prepared Strategic/ Perspective to achieve the vision and mission of the institute. The strategic plan has mention of the short term and long term goals of the institution in adherence to the vision & Mission of the institution.

The strategic plan is divided into segments as follows:

1. Teaching Learning.
2. Research Development & Consultancy
3. Training & Placement
4. Start-up & Entrepreneurship
5. Faculty Development
6. New Admissions & Branding

The Strategic plan also mentions the SWOC analysis of the institution.

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

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

6. An active Interdisciplinary Research Cell has been established in the college.

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/6/6.2.1/2022-23/6.2.1 Additional information 2022-23.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 institution has formed various bodies for effective and efficient implementation of various administrative and academic protocols.

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, etc.

- **Policies:** There are proper policies with regards to admission,

leaves, appraisal, admissions, examinations, etc.

- **Administrative Setup:** The administrative setup is also very clear with proper hierarchy to avoid any confusion and prompt decision making.
- **Appointment:** The appointment of teaching and non-teaching is done in timely manner to ensure adherence with the statutory norms stipulated by AICTE.
- **Service Rules:** Service rules and 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.
- **Procedures:** The institute has introduced and implemented Standard Operating Procedures for standardising the various activities in the institution.

File Description	Documents
Paste link to Organogram on the institution webpage	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.2.2/2022-23/6.2.2_Organogram_2022-23.pdf
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.2.2/2022-23/6.2.2_additional information HR Manual 2022-23.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

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 following are the welfare measures extended to the teaching and non-teaching staff of the Institute:

1. Financial Assistance
2. Emergency Salary Advance
3. Paid Vacation
4. Physical and Health Assistance
5. Free Medical Camps/Check-ups for all Staff
6. Awards and Acknowledgements
7. Felicitation of new Ph.D. holders, Awards for Best Researcher, Best Faculty, Special Contribution, Best Performer in NPTEL
8. Awards for Non-Teaching staff like Best Staff, Special Contribution
9. Miscellaneous Welfare measures

a) Paid Leaves

b) Bereavement Leave

c) Subsidized Bus facility

d) Discounted Fees for children of Staff studying in the college.

e) Avenues for Career Development / Career Advancement

Free Capacity building trainings and orientation programs

For staffs Workshop on ICT tools for effective teaching-learning On Duty Leave for attending Conferences, Workshops

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.3.1/2022-23/6.3.1_Additional_information_2022-23_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

78

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

8

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.)

98

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

The college has mechanism of both internal and external audits for the financial activities carried out in the Institution every Year.

1. Internal Audit: The Principal constitutes an Internal Audit

Committee with three members. The audit is conducted on a Sampling basis to check the correctness of the financial transactions and statement affairs of the College. The Committee verifies Cashbook, Bank accounts, Ledgers, Bills, Vouchers, and statement of cash position and cash flow physically and conducts sample check on the heads of various accounts, balance dates, and postings.

2. External Audit: Mr. Vivek Tiwari has been auditor for the College. An annual external audit is conducted, and the reports are submitted to the management. The Finance Committee ratifies these reports.
3. Accounts department maintains financial accounts, prepares financial statements audited by external auditor and submits them to all the statutory bodies like AICTE, UGC and State Government as and when required.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.4.1/2022-23/6.4.1_Additional-information_2022-23.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)

14.35775

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 institution has developed strategies for mobilizing resources and ensures transparency in financial management. The institute follows established procedures and processes for planning and allocation of financial resources.

The income and expenditure of the institution are subjected to regular internal and external audits.

1. **Mobilization of Funds:** Tuition fee received from Students & Government, Bus Fees, Examination Fees paid by the students, Research grants from different agencies, Amount Received for Consultancy services undertaken by Faculty members, Interest on bank deposits. Other funds include the corpus funds and loans from banks received for infrastructure development.
2. **Utilization of Funds:** The College utilizes funds for: Salary, New Infrastructure Development, Procurement of Equipment's, Repair & Maintenance of Office Equipment's, Computers, building, furniture, bus, & garden, Student & Faculty Development expenses, Conducting Seminars/ Workshops & Extension activities, Library Expenses, Examination Expenses. Other expenses include Telephone, Internet, Power and Fuel, Printing and Stationary, Affiliations and Renewals, Travelling and Conveyance.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.4.3/2022-23/BUDGET_2022-23_%20merged.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)

The IQAC has contributed significantly for institutionalizing the quality assurance strategies:

In order to maintain the high standards and to ensure the fulfilment to the institutions vision & mission the Internal Quality Assurance Cell (IQAC) of the JD College has initiated several activities over the years. Some of the activities/initiatives undertaken by IQAC in this regard are mentioned below:

1. Initiatives such as Academic Audit (Internal & External)
2. Lifelong Learning initiatives through SWAYAM.

3. Establishment of Interdisciplinary Research Cell
4. Research & Development Policy
5. Organizing International Conference
6. Planning of Cultural events & Sports
7. Identification & promotion of students for State & National level competitions, Awards.
8. Streamlining the Student projects for emphasizing Paper publications, Patents, Innovative models development & Start-up's.
9. Membership of Institute Innovation Council
10. Collaboration with outside world through MoU's.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.5.1/2022-23/6.5.1_%202022-23_Additional_information.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 college reviews its teaching learning process and academic operations periodically in order to gauge the running and further identifying scope for improvements through the following:

1. Feedback on the Teaching Learning & Evaluation Process.
2. Feedback on Teachers: Student feedback is collected on the Teachers through the Google form by the department twice in each semester. Informal feedback is also collected by the Head of the Department every 15 days as regards the syllabus completion, pedagogy being used & any difficulty the students might be facing.
3. During Parent Teacher meetings, parents' opinions on instructors and the educational process are gathered.
4. Exit surveys are taken from graduating students in order to improve the standard of instruction, learning, and evaluation procedures.
5. Academic Audit's:

a) **Internal Audit:** Internal Audit of all the Academic processes during a session is carried out by a team of Senior Faculty members as deputed by the Principal.

b) **External audit:** Peers from different institutions assisted in conducting the external audit. The Audit report is submitted to the Principal for review & further action.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/6/6.5.2/2022-23/6.5.2 Additional information Academic audit 2022-23.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-2022-23.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/2024/02/7.1.1.-Annual-Gender-Sensitization-Action-Plan_2022-23.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)

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.

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.

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.

E-waste Management

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

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 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

A. Any 4 or all of the above

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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>										
<table border="1"> <thead> <tr> <th data-bbox="86 698 552 757">File Description</th> <th data-bbox="558 698 1465 757">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 766 552 898">Reports on environment and energy audits submitted by the auditing agency</td> <td data-bbox="558 766 1465 898" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 907 552 1003">Certification by the auditing agency</td> <td data-bbox="558 907 1465 1003" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1012 552 1108">Certificates of the awards received</td> <td data-bbox="558 1012 1465 1108" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1117 552 1176">Any other relevant information</td> <td data-bbox="558 1117 1465 1176" style="text-align: center;">View File</td> </tr> </tbody> </table>		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
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Certification by the auditing agency	View File										
Certificates of the awards received	View File										
Any other relevant information	View File										
<p>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.</p>	<p>A. Any 4 or all of the above</p>										

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 nation building.

Every year Republic Day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence Day Azadi Ka AmritMahotsava was also celebrated to highlight struggle of freedom and importance of Indian constitution. Gandhi Jayanti is celebrated on October 2nd to honor the birth anniversary of Mohandas Karamchand Gandhi, popularly known as Mahatma Gandhi, a prominent leader of India's independence movement.

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 & Management observes Anti-Ragging Day. It serves as a reminder of the importance of creating safe, respectful, and inclusive learning environments in educational institutions. The J D College of engineering and Management commemorates the birth / death anniversaries of Mahatma Gandhi Jayanti. The students share the teachings of these eminent personalities through speeches and posters. Integration Day serves as a commemoration of the principles of diversity, inclusivity, and social cohesion within communities and societies worldwide. It is an occasion to recognize and celebrate the rich tapestry of cultures, traditions, and perspectives that contribute to the fabric of society. Apart from these, many events and guest lectures are regularly organized to instil a sense of national pride and gratitude towards sacrifices of great leaders of our country. 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 where the prominent persons who have dedicated their life to spreading awareness about yoga are invited.

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_2022-23.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_2022-23.pdf
Any other relevant information	https://jdcoem.ac.in/wp-content/uploads/2024/NAAC/7/7.2.1/7.2.1_Additional_Information-2_022-23.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)

With its commitment 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. Concerted efforts are taken for the capacity building of the students. Regular slots for Soft Skills, Library, TG and Sports are incorporated into the time table for all round development of students' personality. Various Students Clubs and Forums provide an opportunity to the students to showcase their talents right from conceptualizing to execution of various events. Teacher Guardians act as guide, philosopher and mentor to the students and offer them psychosocial and academic support. The institute practices an "Open Door Policy" for the students, wherein the students can approach any authority without any hesitation. With students return to the campus, sessions on Soft Skills, Arithmetic ability & Reasoning under the AICTE sponsored 'Skill and Personality Development Programme Centre for SC/ST Students (SPDC)' were resumed in offline mode. Regular training sessions conducted by the in house trainers in conjunction with outside experts/ training partners make the students industry ready. Competitive exam guidance centre grooms the students for Higher studies or jobs in the Government sector.

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_2022-23.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 2023-24

1. To connect with educational institutes for MOU.
2. To encourage Faculty for writing technical books
3. To motivate the faculty and students for publishing research papers in reputed journals
4. To organize International Conference
5. To create buckets for vocational certification courses
6. To collaborate with prominent organizations to offer foreign languages as a certification courses for the students.
7. To introduce Skill based courses in the scheme
8. To engage industry experts for delivering certain courses for the students
9. To promote startups and consultancy