



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution

JALPAIGURI GOVT. ENGINEERING COLLEGE

- Name of the Head of the institution **Dr. Amitava Ray**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone No. of the Principal **9434381078**
- Alternate phone No. **7063667196**
- Mobile No. (Principal) **8900461118**
- Registered e-mail ID (Principal) **principal@jgec.ac.in**
- Address **Jalpaiguri Govt. Engineering College, Jalpaiguri -735102**
- City/Town **Jalpaiguri**
- State/UT **West Bengal**
- Pin Code **735102**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **03/01/2012**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Grants-in aid**
- Name of the IQAC Co-ordinator/Director **Dr. Bikash Chandra Mandal**
- Phone No. **9433086219**
- Mobile No: **9382147821**
- IQAC e-mail ID **iqac@jgec.ac.in**

3. Website address (Web link of the AQAR (Previous Academic Year)) https://jgec.ac.in/public/uploads/1687499966_11ae44834ac3eeb574a4.pdf

4. Was the Academic Calendar prepared for that year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://jgec.ac.in/public/upload/academic/1708696801.pdf>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.13	2021	23/02/2021	22/02/2025

6. Date of Establishment of IQAC **23/08/2014**

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 **3**

- Were the minutes of IQAC meeting(s) and **Yes**

compliance to the decisions taken
uploaded on the institutional website?

- 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**

- If yes, mention the amount

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

1. Conduction of Semester Examination and Publication of results in time for all semester. Specially mention: Publication of results of final year students within one month.

2. Research

3. Participation of students and faculty members in workshops, and conferences

4. Improvement of placement scenario.

5. Framing of different policy document.

<https://jgec.ac.in/announcement/5>

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 reduce time for Publication of results.	1. Results published in time.
2. Preparation for NBA accreditation.	2. Departments are preparing for application for NBA as early as possible.
3. To give more emphasis on placement drive.	3. Improved placement.
4. Developing e-content to encourage self-learning aspects.	4. https://jgec.ac.in/academic/4
5. Providing personal and career mentoring to students.	5. https://jgec.ac.in/public/upload/notice/1703787434.pdf
6. Strengthen Green Campus initiatives	6. https://jgec.ac.in/public/upload/notice/1703361325.pdf
7. Strengthen Industry-Institute relationship.	7. three running MOU at present such as Bengal Beverages Private Limited-Coca, University of North Bengal, Scholiverse Educare Private Limited

13. Was the AQAR placed before the statutory body? **Yes**

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council	02/02/2024

14. Was the institutional data submitted to AISHE ? **Yes**

- Year

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• if yes, whether it is uploaded in the Institutional website Web link:	https://jgec.ac.in/public/upload/academic/1708696801.pdf				
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6.Date of Establishment of IQAC			23/08/2014		
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Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
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• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes				

<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
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3. Participation of students and faculty members in workshops, and conferences		
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Name of the statutory body	Date of meeting(s)
Academic Council	02/02/2024
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2022	21/12/2022

<p>15.Multidisciplinary / interdisciplinary</p>
<p>1. Our institute has a plan to explore multidisciplinary or interdisciplinary courses. 2. Students in the second year are given opportunities to their branches depending on their performances in the first year. The course curriculum has been revised keeping in mind the branch changes. 3. Students and faculty members are publishing research papers in interdisciplinary areas. 4. Students from all branches are involved in the Center of Innovation cell and develop the product. 5. The department provides the option of offering interdisciplinary courses to students through electives. 6. MAKAUT has allowed students to choose interdisciplinary courses through MOOCs to obtain an honors degree. 7. The students participate in projects which are interdisciplinary nature, through departmental collaboration, industrial collaboration, etc.</p>
<p>16.Academic bank of credits (ABC):</p>
<p>1. JGEC stores its academic awards to students, including degrees and marks, in the MAKAUT online portal. 2. MAKAUT used to upload the student details in the National Academic Depository 3. The college maintains the subject-wise credit of each student</p>
<p>17.Skill development:</p>
<p>1. Our Training and Placement Cells conduct regular skill development activities. 2. Coders Club conducts different program for coding skill development 3. Students conduct a technical Fest named: "SHRISTI" regularly for the development of technical Skill of the students. 4. JGEC Alumni Association organized an industry institute interaction. 5. JGEC organizes rain coat-making & paper making 6. JGEC has signed MoU with Intershala, Bhilai Steel plant, Coca-cola etc. where the students get an opportunity for internship in companies for skill development with a stipend. 7. JGEC has signed a MoU with the Cyber Security Centre for Excellence, Govt. of West Bengal, where students update their skills through various skill development programs.</p>
<p>18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)</p>
<p>Our institute has revised its curriculum from the session 2021-22 batch and included courses like Essence of Traditional knowledge (MC-EC/ME/EE/CE/CS/IT/301) , Indian Constitution to integrate Indian Knowledge System in the course.</p>

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

Outcome-based education (OBE) is education in which an emphasis is placed on a articulated idea of what students are expected to know and be able to do, that is, what skills and knowledge they need to have, when they leave the school system. It is sometimes also called performance-based education and is an attempt to measure educational effectiveness based on results rather than on inputs such as time students spend in class. The student learning outcomes constitute the criteria by which the curriculum is developed at our institute. To emphasize OBE more, our course curriculum has been rigorously revised from the 2021-22 session. The institute is taking feedback from the alumni and industry to revise its syllabus to make it more outcome-based. The outcome of JGEC is measured based on calculating course outcome, program outcome and program-specific outcome. 1. The question papers are expected to be mapped to their COs. 2. Based on the level of CO obtained, the final CO attainment is calculated.

20.Distance education/online education:

MOOCs (Massive open online courses) have been introduced by MAKAUT in the following ways: 1. MOOCs for honors degree at undergraduate level. For a B.Tech. honors degree, a B.Tech. student will have to earn 20 credits from MOOCs from any established MOOCs platform in addition to mandatory credits for a B.Tech degree. 2. MOOCs for mandatory coursework of research scholar for PhD Research scholars have to take MOOCs as mandatory coursework for a PhD degree as per the advice of the research supervisor. 3. MOOCs for mandatory additional requirements prescribed by MAKAUT.

Extended Profile**1.Programme**

1.1 8

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 1449

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 **404**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 **1449**

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 **460**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 **78**

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1	8
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1	1449
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	404
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	1449
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	460
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	78
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	110
Number of sanctioned posts for the year:	

4. Institution

4.1	45
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	

4.2	28
Total number of Classrooms and Seminar halls	

4.3	550
Total number of computers on campus for academic purposes	

4.4	17.318299
Total expenditure, excluding salary, during the year (INR in Lakhs):	

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.

Jalpaiguri Government Engineering College (JGEC) has a meticulous approach to curriculum development and revision, ensuring that its programs meet current developmental demands and global technical perspectives. The institution's curricula are designed with well-defined, outcome-based learning objectives that integrate professional relevance and the needs of the corporate world. JGEC adheres to the guidelines of

Statutory Regulatory Authorities (SRAs) such as UGC and AICTE, and any changes or revisions to the curriculum are carefully implemented through specific steps. These steps include feasibility assessment, recommendations from the Board of Studies (BOS) comprising experts from academia and industry, and approval by the Academic Council.

JGEC offers six undergraduate courses and two postgraduate courses in the field of technology/engineering, and the curriculum for these programs was revised in 2021. The revised curricula include defined program outcomes, program-specific outcomes, and course outcomes for all programs. Additionally, JGEC collects feedback from students and teachers at the end of each semester to facilitate continual development of its academia. Overall, JGEC's approach to curriculum development reflects a commitment to maintaining high educational standards and ensuring the relevance and effectiveness of its programs.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://jgec.ac.in/academic/7

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

8

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

7

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	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

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

7

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

8

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

Jalpaiguri Government Engineering College (JGEC) has

strategically integrated interdisciplinary courses into its undergraduate engineering curricula to equip students with a diverse skill set essential for the digital era. "Programming for Problem Solving" is a foundational course taught in the first year across all undergraduate programs, aiming to develop computer programming skills crucial for engineering and technology students.

In the second year, students engage with the "Human Values and Professional Ethics" course, emphasizing the significance of values, ethics, responsibility, and awareness of gender and caste equity in real-life contexts. Additionally, the incorporation of "Essence of Traditional Knowledge" seeks to revive India's indigenous knowledge and culture, adding social values to the academic experience.

Furthermore, the inclusion of "Principles of Management" in the final year of the undergraduate curricula aims to equip students with essential management skills, empowering them for future professional endeavors in a highly competitive business environment.

These interdisciplinary courses not only enhance students' employability but also contribute to their holistic development, preparing them for the challenges of the modern world and adding value to their academic experience at JGEC.

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	No File Uploaded

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

9

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**1479**

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**76**

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

C. Any 2 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://jgec.ac.in/public/upload/notice/1705469458.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
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://jgec.ac.in/public/upload/notice/1705469458.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

393

File Description	Documents
Any additional information	No File Uploaded
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)

156

File Description	Documents
Any additional information	No File Uploaded
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.

The institute is dedicated to fostering a supportive academic environment for all its students. It begins the academic year with comprehensive orientation programs for fresh students and their parents, aiming to familiarize them with the college, its regulations, facilities, and faculty. Special attention is given to lateral entry students, who are admitted directly into the second year, with specialized classes organized to ensure a smooth transition into the ongoing academic session.

The faculty members are deeply involved in monitoring the performance of students, particularly those who may require additional support. Tutorial classes, extra classes, and workshops are organized to assist weaker students, with a focus on subjects like C programming and MATLAB. The institute also provides ample opportunities for students to clear their backlogs through make-up exams and supplementary exams.

Furthermore, faculty members extend their support to students preparing for competitive exams, offering specialized coaching for aspirants of exams like GATE. This holistic approach to education reflects the institute's commitment to nurturing and empowering its students, ensuring that each individual has the opportunity to thrive academically.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jgec.ac.in/public/upload/academic/1714315031.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
22/03/2023	1449	78

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:

The academic approach at JGEC is designed to provide students with a well-rounded and practical education. The examination system comprises internal assessment (30%) and end-of-semester examinations (70%), with regular class tests conducted by the academic departments throughout the semester.

Practical exposure is emphasized, allowing students to engage in experiments and seek guidance from faculty members. The institute encourages student-centric methods such as experiential learning, participative learning, and problem-solving methodologies to build competency. This includes intensive laboratory experiments, design and project works, and industrial training as part of the curriculum.

Postgraduate students are involved in undergraduate teaching and community-based extension activities, fostering participative learning. Group projects are encouraged to provide collaborative learning opportunities, and teachers utilize problem-based and case-based learning methods to stimulate critical thinking among students. Additionally, students in technical programs are required to undertake compulsory problem-based project work.

Overall, JGEC's academic approach and assessment system reflect a commitment to providing a comprehensive and practical education, nurturing critical thinking, creativity, and scientific temper among its students.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://www.vlab.co.in/

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

The engineering program at our institution is designed to provide students with a comprehensive and practical education. The curriculum includes practical courses throughout the four-year program, culminating in a final project in the last semester. The examination system comprises internal assessment (30%) and end-of-semester examinations (70%), with two class tests evenly spread over the semester, providing regular opportunities for students to demonstrate their understanding.

The emphasis on experimental learning, including intensive laboratory experiments, design and project works, and industrial training, aims to equip students with practical skills and critical thinking abilities. Postgraduate students are actively involved in undergraduate teaching and community-based extension activities, fostering participative learning and collaboration.

Students are encouraged to participate in group projects, providing them with opportunities for participative learning, while problem-based and case-based learning methods are employed across all academic departments to stimulate critical thinking among students. Additionally, students in technical programs are required to undertake compulsory problem-based project work, further enhancing their problem-solving abilities.

Overall, the program's comprehensive approach reflects our commitment to providing students with a well-rounded and practical engineering education, preparing them for success in their future careers.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.youtube.com/@DrSudipMandal
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

78

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	No File Uploaded

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

The college's commitment to providing a structured and comprehensive academic experience is evident through the proactive preparation and dissemination of a detailed calendar at the beginning of each academic year. This calendar, in compliance with university regulations, ensures that the college meets the requirement of 90 working days per semester and includes important dates such as reopening, holidays, and various events like foundation day, sports days, and the college technical festival.

The inclusion of the calendar on the college website and portal reflects a modern and convenient approach to communication and organization, allowing faculty and students easy access to important dates and events. Furthermore, the planning of timetables and examinations in accordance with the calendar demonstrates a commitment to maintaining a well-structured academic schedule.

In the event of unforeseen circumstances, the college's

willingness to engage in additional lecture and lab sessions beyond regular college hours to ensure the completion of the curriculum showcases a dedication to upholding the quality and integrity of the educational program.

Overall, the college's proactive approach to scheduling, digital accessibility, and commitment to fulfilling the curriculum requirements highlights its dedication to providing a comprehensive and well-organized academic environment for its students and faculty.

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

78

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	No File Uploaded
Any additional information	No File Uploaded

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

16

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)**78**

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

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****30**

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	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year**264**

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

JGEC's commitment to a comprehensive evaluation system, encompassing formative and summative assessments, reflects a dedication to maintaining high academic standards. The

establishment of an exclusive Examination Cell, overseen by the Controller of Examination, demonstrates a proactive approach to ensuring the effective implementation of reforms advised by the Autonomous Body/University.

The involvement of different faculty members in setting question papers and the meticulous result analysis and review by the Heads of Departments showcase a commitment to maintaining the quality and integrity of the evaluation process. The institution's proactive approach to planning and executing semester examinations, including the appointment of internal supervisors and invigilators, and result processing using software, ensures the smooth conduct of examinations and timely publication of results.

Furthermore, the ongoing implementation of "Student Life Cycle Management" to automate the entire process reflects a forward-thinking approach to administrative efficiency and process optimization.

Overall, JGEC's commitment to a comprehensive evaluation system and the adoption of modern technologies for administrative automation highlight its dedication to maintaining high academic standards and administrative efficiency for the benefit of its students and faculty.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://jgec.ac.in/result

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

Jalpaiguri Government Engineering College (JGEC) has demonstrated a strong commitment to educational quality through the clear definition and communication of program outcomes (POs), program-specific outcomes (PSOs), and course outcomes (COs) for all its undergraduate and postgraduate programs. The display of these outcomes on the website and their communication to teachers and students underscores the institution's

dedication to transparency and clarity in the educational process.

The alignment of internal assessment and semester end/final year examinations with course objectives/outcomes further emphasizes the institution's commitment to meaningful assessment and the attainment of intended learning outcomes.

JGEC's development of a feedback mechanism to obtain student feedback on program and course outcomes is a proactive step towards ensuring continuous improvement. The analysis of this feedback and the subsequent actions taken based on the recommendations of the department academic cell, constituted by the Internal Quality Assurance Cell (IQAC) to monitor academic progress, reflects the institution's responsiveness to student input and commitment to maintaining educational relevance and effectiveness.

Overall, JGEC's emphasis on defined outcomes and the utilization of student feedback for continuous improvement underscores its dedication to providing a high-quality and responsive educational experience.

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://jgec.ac.in/public/upload/notice/1683967424_7c7ab82317889d384564.docx

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

Jalpaiguri Government Engineering College (JGEC) has established a comprehensive system for evaluating the attainment of program outcomes (POs), program-specific outcomes (PSOs), and course outcomes (COs). The institution's use of formative and summative assessments, along with a mechanism to obtain feedback from students on the attainment of program and course outcomes, reflects a commitment to ensuring the quality and relevance of its educational programs.

The emphasis on student feedback as a major aspect for analyzing the teaching-learning process is commendable, and the standardized format for collecting feedback, with questions based on COs, POs, and PSOs, allows for a comprehensive assessment of the educational experience. The detailed analysis of feedback scores and the discussion of any scores below 4 for plausible reasons demonstrates a commitment to continuous improvement and responsiveness to student input.

JGEC's categorization of assessment methods into direct and indirect methods for evaluating COs and POs, along with the allocation of weightages for internal test assessment and end-semester examination assessment, reflects a thoughtful and comprehensive approach to evaluating student attainment. T

Overall, JGEC's approach to evaluating program outcomes and course outcomes is thorough, student-centered, and geared towards maintaining high academic standards and relevance.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

404

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	No File Uploaded
Paste link for the annual report	https://jgrec.ac.in/public/upload/academic/1714315031.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://docs.google.com/spreadsheets/d/1T19xom2_aukjOvRstWbX33odLobVxpShOC3IVMm6roo/edit?usp=sharing

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

The Institute has a prominent and progressive policy for promoting and incentivizing research. The faculty members are encouraged to enhance their educational qualification to attend Ph.D program. Institute has also encouraged the faculty members to submit research proposals to concern department of state and central government and various funding agencies. To publish research papers in UGC care journals and different national and international conferences. All preparation for such are facilitated by the college. The college seriously looking forward to signing a number of MoUs with Industry which will helps the students in undertaking UG and PG project sponsored by the industry.

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://jgec.ac.in/public/upload/notice/1702752933.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)

0

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
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	No File Uploaded
Any additional information	No File Uploaded

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	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

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)

13.99

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

5

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jgec.ac.in/academic/18
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

7

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

1

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://jgec.ac.in/public/upload/academic/1714315031.pdf
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 Institute has a potent and radiant system to promote innovations, creation, and transfer of knowledge. The faculties

are encouraged to take up Research Projects in their area of interest as well as present papers at National and International conferences and also publish in reputed journals.

Entrepreneurship forms the crux of all our academic programmes while inviting eminent and successful entrepreneurs for delivering lectures on entrepreneurship so that our students get benefit from their experience and expertise. The Institute does not bind itself to holding courses and programmes on engineering only but also promotes community based programmes through NSS thereby sensitising them towards social responsibilities To sum up, JGEC has a well-knit network and a nice environment for promoting research, entrepreneurship, community orientation, Incubation etc

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jgec.ac.in/public/upload/notice/1683894982_75a014f8d7622c127a2f.pdf

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

0

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

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

E. None 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	No File Uploaded
Any additional information	No File Uploaded

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	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

27

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

1

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://doi.org/10.1109/ICIIET55458.2022.9967679

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

2358

File Description	Documents
Any additional information	No File Uploaded
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

172

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

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

2.06263

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	No File Uploaded
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

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	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

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

The sole objective of education is to propagate all round development of the students while the prime strength of this Institute is its tenacity to unravel the deep seeded talents of the students propelling them further towards becoming citizens rich in knowledge . Knowledge and quality based education is provided to the students by inculcating moral values, scientific temper and employing state of the art technologies. The Institute plays a prudent role in campus connection, wellbeing of its neighborhood and has initiated a number of community development activities under NSS - cell of the institute headed

by a senior faculty member. NSS enables students to participate in various programs of social service and National development, to help the community. For this purpose, apart from knowledge gained in the classroom JGEC focuses on organizing extension activities in the neighbourhood community.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jgec.ac.in/public/upload/academic/1714315031.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

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)

3

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

450

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

58

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

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)

3

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 college is deeply committed to ensuring the availability and efficient utilization of its physical infrastructure in line with its overarching vision of fostering innovation, competence, and global exposure for its students. At the beginning of each academic year, a comprehensive needs assessment is conducted, incorporating feedback from the Board of Studies, Heads of

Departments, lab technicians, and the system administrator. This evaluation considers course requirements, technology conditions, and financial limits. The Time Table Committee strategically plans for necessary resources, including classrooms, laboratories, furniture, and equipment. Efforts are made to educate faculty about new technologies through workshops and training sessions, and the recruitment of highly qualified system administrators and lab professionals ensures efficient infrastructure use. The college also maximizes infrastructure use by hosting various activities beyond regular college hours, such as certificate programs, conferences, and government and academic tests. Overall, the college's multifaceted approach to infrastructure management reflects its dedication to creating an environment that supports student development and achievement.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jgec.ac.in/

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 sports and athletics as essential components of the student experience, offering a wide range of sports facilities on campus. It is committed to fostering a well-rounded environment for academic, cultural, and athletic pursuits to support students' overall personal growth. The college encourages participation in various sporting activities, including interdepartmental, intercollegiate, and interuniversity tournaments, to promote team spirit and positive relationships among students. The philosophy of the institution emphasizes recreation, instruction, and competition, ensuring that all students have the necessary equipment to participate in sports and games. The Unified Sports program provides multiple options for playing sports and promotes friendship and understanding through practicing and competing together. The college offers a variety of outdoor and indoor sports and games, along with a state-of-the-art gymnasium for physical strength and fitness. It organizes State Level tournaments and annual intramural and extramural competitions, such as the Chairman's Trophy, and students actively compete in events hosted by other institutions, winning multiple awards and even being chosen for university-level teams in sports like football and cricket. This

comprehensive approach reflects the institution's dedication to supporting students' overall personality development and athletic pursuits.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://jgec.ac.in/

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

7

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)

6.58529

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)

Name of the ILMS software : LIBSYS LS EASE Version 4 Nature of automation (full or partial) : Partially Version : Version 4

Year of Automation : 2007 LSEase (version 4) of Libsys Corporation has been installed in 2006. The library has so far created database of books, periodicals and journals. Bar Coding of 95% books have been completed and it is expected that within a short time full bar coding would be done. Membership database is under process.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jgec.ac.in/

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

E. None 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

File Description	Documents
Audited statements of accounts	No File Uploaded
Any additional information	No File Uploaded
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

11

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

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

Jalpaiguri Government Engineering College (JGEC) boasts a robust Information and Communication Technology (ICT) infrastructure that permeates every facet of academic life. The college's commitment to technological advancement is evident through its extensive Wi-Fi coverage across the campus, ICT-enabled smart classrooms equipped with computers, LCD displays, and internet connectivity, as well as internet-connected laboratories for accessing e-learning materials. Furthermore, the presence of multimedia-equipped seminar halls and video conferencing facilities facilitates interaction with industry experts and academicians, enabling the organization of NPTEL courses, faculty development programs, invited talks, and webinars. JGEC ensures high-speed internet connectivity for faculty members, students, and research scholars through local area network (LAN) and Wi-Fi, while also promoting the environmentally responsible use of computer resources. The interconnectedness of departments through LAN underscores the institution's dedication to leveraging ICT for managing academic activities. JGEC stands as a testament to the transformative power of technology in education.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jgrec.ac.in/public/upload/notice/1683893300_ada4a79487c70bb674c6.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1449	550

File Description	Documents
Upload any additional information	No File Uploaded

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	No File Uploaded

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	D. Any one of the above
--	--------------------------------

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.youtube.com/watch?v=PpmESCO-XQc
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)

104.5

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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.

In an effort to ensure the efficient management of physical facilities within our educational institutions, it is imperative to establish clear and structured processes for construction, renovation, procurement, and maintenance activities. The involvement of the Public Works Department (PWD) in West Bengal, along with specific committees and departments, underscores the need for a well-defined framework to oversee these crucial functions.

The roles of the Central Purchase Committee (CPC), Department of Technical Education (DTE), Principal, Accounts Officer, and departmental heads in procurement, monitoring, and maintenance activities highlight the importance of delineating responsibilities and maintaining accountability. Furthermore, the annual projection of budgets for maintenance and up-gradation of facilities demonstrates a forward-looking approach to resource management.

It is evident that the inclusion of service providers for the maintenance of lab equipment and the implementation of annual maintenance contracts for sophisticated instruments and centralized facilities are steps in the right direction towards ensuring the longevity and functionality of our educational infrastructure.

By streamlining these processes and fostering collaboration between relevant stakeholders, we can enhance the overall effectiveness and sustainability of our educational facilities, creating an environment conducive to learning and growth.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://jgec.ac.in/

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

691

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

132

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

B. Any 3 of the above

File Description	Documents
Link to Institutional website	https://jgec.ac.in/
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

363

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	
323	
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	
2	
File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
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	
11	
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	
0	

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

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

1. Anti-Ragging Committee: As Anti-Ragging Guideline of UGC & AICTE, General Secretary and Assistant General Secretary of Students Union are the Members of Anti-ragging Committee. They regularly attend the meetings of the committee and share their opinion as representative of the students. 2. SC/ST Committee: SC/ST Committee of the institution will function to prevent the offences of atrocities against the SC/ST Community. Also, the quarterly action taken report of the committee is placed to the Principal. 3. Internal Complaint Committee: Responsibility of the Internal Complaint Committee is to publicly notify the provisions against the sexual harassment and ensure their wide dissemination, organize training programs for officers, faculty, students and deal with the complaints. Also, publish the annual report and upload it to the AICTE portal by 30th June of the calendar y

4. Sport Committee: Sport Committee of the college is constituted with student members and a student member acts as Secretary. Committee also has a Teacher Advisor. Following committees also have student representatives and they have some special activities mentioned below. 1. Cultural Committee 2. Social Committee 3. Jyoti Activities 4. Various Clubs 5. Magazine Clubs 6. Alumni related Activities 7. Campus Interview 8. Publication of the Newsletter 9. Organising committee of Different Festivals 10. Organising Committee of Seminars

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jgec.ac.in/public/upload/notice/1683892617_ebda35afe461e07c5c3a.pdf

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

6

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

The Jalpaiguri Government Engineering College Alumni Association, registered under the West Bengal Act XXVI of 1961, has been actively engaged in various initiatives and fostering the overall development of students at JGEC.

The association, headquartered at the College Administrative Building, has been instrumental in organizing value-based seminars, workshops, and programs focused on career development, technological advancement, and social issues. These activities are designed to prepare students for professional life while instilling a sense of social responsibility.

Furthermore, the Alumni Association has established a platform for providing scholarships to deserving students of JGEC, demonstrating its commitment to supporting educational advancement and accessibility.

A significant milestone in the association's endeavors is the establishment of the Convention Centre, Kanchenjunga, within the JGEC campus. This center is envisioned to be a hub of innovation, providing students with access to seminar and conference halls, meeting rooms, a knowledge-sharing room, a library, and guest accommodations. It will serve as a space for industry-institute interaction, furthering the development of students and fostering a culture of innovation.

The Alumni Association's dedication to enhancing the educational landscape and nurturing student potential is truly commendable, and its efforts are poised to make a lasting impact on the JGEC community.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jgec.ac.in/public/upload/notice/1683892456_98c965c32c86cfc37a0f.pdf

5.4.2 - Alumni's financial contribution during the year

A. ? 15 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

In line with the vision of the college, i. e. , To be a provider of globally competitive, high-quality technical human resources & to promote and significantly contribute towards development of technologies and innovations appropriate to sustainable economic growth and enrichment of quality of life, the provider is committed towards continual improvement, sustained growth and the development of a culture for quality. The leadership of the college is guided by the principle of sound judgment, effective communication and setting standards and benchmarks in quality education and administration, always striving to excel for stakeholder / student satisfaction. The Organization structure incorporates various bodies viz. Governing Body, Financial Management Committee, Academic Council, Board of studies and Grievance cell. The Governing Body meet at least quarterly in a year. The finance committee meets at least twice a year. The college encourages participatory management by involving the stake holders at all levels. Through departmental

meetings, coordination committee meetings, Board of Studies meetings, the College facilitates the internal sharing of ideas in a democratic manner, encouraging maximum participation from faculty members.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jgec.ac.in/about/15/vision-and-mission

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

The department heads have a significant amount of autonomy in both academic and managerial matters. The support provided by the Head of the Institution, various HODs, and committees seems crucial for the smooth functioning of operational and academic activities. The Principal's financial powers, as per state government orders, also play a key role in the institution's functioning.

The process of allowing Heads of Departments to make routine decisions based on the situations and exigency, and later getting them ratified by the Principal, seems to provide flexibility while ensuring accountability. The practice of making major decisions after a brainstorming session in the meeting of the Heads of the Departments and by consensus appears to promote collaboration and collective decision-making.

It's interesting to note that once a decision is made, the implementation is carried out by a succession of officers, which suggests a structured approach to executing decisions. This seems like a well-organized system that balances autonomy with accountability and collaboration.

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	http://jyotijgec.org/

6.2 - Strategy Development and Deployment

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

The institution is dedicated to securing maximum funds from central and state government funding agencies to enhance its Research and Development (R&D) facilities. This funding will be utilized to modernize existing labs in order to meet the evolving technological needs and improve the quality of education for students.

The Board of Governors has expressed interest in filling faculty vacancies through the Government Recruitment Process, aiming to enhance the quality of faculty members by encouraging their participation in programs such as Faculty Development Programs (FDPs), conferences, seminars, and industry-oriented programs. Additionally, efforts will be made to create an environment that provides access to national and international journals through digital media.

Tests conducted for students will be designed to measure both technical and critical thinking skills. Special attention will be given to disadvantaged and rural students to increase their transition rate. Furthermore, syllabus revisions will be made in line with changing technology, and the institution will adopt Outcome Based Education (OBE).

All departments are encouraged to engage in revenue-generating activities such as consultancies and testing. This comprehensive approach seems to be aimed at enhancing the institution's research and development capabilities, faculty quality, student learning outcomes, and overall academic environment.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://jgec.ac.in/public/upload/notice/1703529754.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 educational institution's governance structure consists of the Board of Governors (BOG), Academic Council, Principal, and Head of the Department. The BOG guides the college in fulfilling its objectives, approves new programs, and oversees faculty recruitment and budget approval. The Academic Council scrutinizes and approves proposals related to courses, academic regulations, and student admissions, while also recommending new programs and scholarships. The Principal implements strategic planning, reports on institutional progress, and manages academic and administrative affairs. The Head of the Department is responsible for the academic and administrative management of their department, including teaching plans, research activities, industry interaction, and policy planning. They also oversee student counseling, curriculum development, and resource materials. Each entity plays a crucial role in the institution's governance, ensuring academic quality, strategic development, and adherence to regulations.

File Description	Documents
Paste link to Organogram on the institution webpage	https://jgec.ac.in/about/33/board-of-governors#
Upload any additional information	View File
Paste link for additional Information	https://wbxpress.com/west-bengal-service-rules/

6.2.3 - Implementation of e-governance in

B. Any three of the above

**areas of operation: Administration Finance
and Accounts Student Admission and
Support Examination**

File Description	Documents
ERP (Enterprise Resource Planning) Documen	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

Teachers are recruited through Public Service Commission, West Bengal. Teachers are allowed to acquire higher qualification through Quality Improvement Programme (QIP) and they are allowed for QIP. Nonteaching staff are encouraged to acquire additional skills and qualifications. Welfare measures for teaching and non-teaching staff may be summarized as follows:

1. Health Insurance
2. Leave Travel Concession
3. General Provident Fund
4. Festival advance
5. Maternity leave
6. Medical leave
7. leave salary- encashment of earned leave
8. Earned leave
9. Casual leave
10. Summer, Puja and winter vacation

11. Gratuity Pension Benefits**12. QIP**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.wbifms.gov.in/PORTAL

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

0

File Description	Documents
Upload any additional information	No File Uploaded
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

3

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.)

50

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

Jalpaiguri Government Engineering College, a fully government-owned institution, follows a meticulous financial management process. Its annual budget is approved by the Financial Management Committee (FMC) and the Governing Body, with funds and grants received from the government under various heads. All financial transactions are conducted through the treasury using e-transaction methods to ensure transparency. The college adheres to the procurement norms of the Government of West Bengal and has a Central Purchase Committee for centralized procurement, utilizing the e-tender process for all procurements. Subsequently, bills are sent for e-clearance at the treasuries after completing formalities. The college's audit is overseen by the office of the Accountant General (Audit), West Bengal, with periodic visits for this purpose, although not necessarily annually. This stringent financial management system ensures that the college's financial operations are transparent, accountable, and compliant with government regulations and norms.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jgec.ac.in/public/upload/notice/1683892051_3a8f4042b6e971e14395.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)

21.94660

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 established several funds, including the Corpus fund, Staff Development fund, Depreciation fund, and Maintenance fund, to ensure the sustainability of its reforms. The Corpus fund is resourced from contributions, donations, grants, and savings, and is utilized for the development of the institute, particularly for capital expenditure and operational expenses with the approval of the Board of Governors (BOG). The Staff Development fund is resourced from the institution's share of net income from various activities and is used for critical staff development activities as specified by the BOG. The Depreciation fund is resourced from the institution's share of net income and is utilized for equipment replacement and other purposes as decided by the BOG. The Maintenance fund, resourced from various sources, is meant for the regular maintenance of equipment and facilities as decided by the BOG. These funds are managed in accordance with government orders and play a crucial role in the institution's sustainability and development, ensuring that the institution can address its capital and operational needs and invest in the development of its staff and infrastructure.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://jgec.ac.in/public/upload/notice/1683892114_334a9f321d164a3d485c.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 primary aim of the Internal Quality Assurance Cell (IQAC) is to facilitate conscious, consistent, and catalytic action to enhance the academic and administrative performance of the institution and promote a culture of quality. IQAC employs mechanisms and procedures to ensure efficient performance of tasks, quality academic and research programs, equitable access to education, modern teaching methods, credible assessment processes, and adequate support services. The functions expected of IQAC include developing and applying quality benchmarks, creating a learner-centric environment, collecting feedback, organizing workshops and seminars, documenting quality improvement programs, and coordinating quality-related activities. IQAC also contributes to ensuring clarity and focus in institutional functioning, internalizing a culture of quality, enhancing coordination among various activities, providing a basis for decision-making, driving quality changes, and establishing a systematic methodology for documentation and internal communication. Ultimately, IQAC aims to institutionalize best practices and contribute to the overall enhancement of the institution's quality culture and performance.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jgec.ac.in/public/upload/notice/1708457591.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

1. The seminars and workshops conducted for the faculty
2. Taking seminars compulsory for PG students
3. Examining students by conducting internal tests assessments
4. Holding extra classes for course completion on time.
5. Arrangement of remedial classes, doubt clearing classes for slow learners
6. Establishment of research cell in order to encourage research

activities

7. Appointment of part - time faculty to teaching posts lying vacant in the department
8. Automation and digitalization of library
9. Provision of Wi-Fi facility and smart classes
10. Increased usage of ICT tools in teaching learning process
11. Preparation of course plan at the beginning of every session

Methodologies of operations:

The institution gathers feedback from students through questionnaires and suggestion boxes, involving the Academic Council and staff meetings to monitor and review teaching and learning activities. Additionally, faculty members maintain daily teaching diaries, which are reviewed monthly by the principal. These measures reflect the institution's commitment to continuous improvement and quality assurance in its academic and administrative processes.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://jgec.ac.in/announcement/5

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)

B. Any 3 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://jgec.ac.in/academic/18
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

1. **Implementing Equal Opportunity Policies:** Establish and enforce policies that ensure equal opportunities for all genders in recruitment, promotion, and professional development.

2. **Implementing Pay Equity**

3. **Creating Supportive Work Environment:** Foster a work environment that supports work-life balance, flexible work arrangements, and parental leave policies that benefit all genders.

4. **Encouraging Diverse Representation:** Actively promote the representation of all genders in leadership positions, decision-making bodies, and public-facing roles.

5. **Establishing Reporting Mechanisms:** Implement clear and confidential reporting mechanisms for instances of gender-based discrimination, harassment, or bias, and take swift and appropriate action in response.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.wbifms.gov.in/PORTAL

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

B. Any 3 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)

As we strive to create a sustainable and eco-friendly environment in our educational institute with hostels, it is crucial to address the management of degradable and non-degradable waste. Effective waste management not only promotes cleanliness but also contributes to a healthier and greener campus.

To manage degradable waste, such as food scraps and organic materials, we have implemented a composting system. Composting bins are placed in convenient locations across the campus and hostels to encourage the proper disposal of biodegradable waste.

For non-degradable waste, including plastics, glass, and metal, we have established a comprehensive recycling program. Clearly labeled recycling bins are strategically positioned throughout the institute and hostels to facilitate the separation and collection of recyclable materials.

Furthermore, we encourage the reduction of non-degradable waste by promoting the use of reusable items, such as water bottles, containers, and bags. We also promote minimum use single use plastics and disposable products within our campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
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	D. Any 1 of the above
File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded
7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 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>C. Any 2 of the above</p>
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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	No File Uploaded
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</p>	<p>D. Any 1 of the above</p>
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assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

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	No File Uploaded
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).

JGEC organized the following programs: * The faculties and staffs of our college celebrate the cultural and regional festivals, like Bengali New-year' s day, Teacher' s day, orientation and farewell program, Induction program, tree plantation, Youth day, Women' s day, Yoga day, festivals like Biswakarma puja etc.

* Motivational lectures of eminent persons from different fields of our society are conducted (under the induction program initiative) for all-round development of the students, to make them responsible citizens following the national values of social and communal harmony and national integration

* Besides academic activities, several sports activities are organized by college sports committee. Students participate in outdoor games like football, cricket, volleyball, basketball etc and indoor games like chess, carom etc , to build up team spirit, leadership qualities and to remain physically active.

* A night school " Jyoti-A ray of hope" is run by the student with the mentorship of teachers.

Identification of societal issues to be solved using technology.
Effective utilization of resources and departments

More programmes useful for the community like healthcare, agriculture, technology issues, cyber security, etc. to be conducted

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:

Student induction program with various activities and seminars are conducted in our college. The committee members and guest lecturers of different fields are continuously encouraging the students to understand the values, rights and other aspects of our constitution. A pdf file with list of such programs and office orders are enclosed herewith

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

D. Any 1 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

Each and every year our college celebrates national events like independence day, Republic Day etc with full enthusiasm and active participation. On those auspicious days, faculties, staffs and students gather in front of administrative buildings in the morning. National flag hoisting, national anthem is sung, sweets distributed. Speech on the occasion is delivered by our principal sir.

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

The villages of Dangapara & Patkata, situated near the campus of JGEC, have presented both challenges and opportunities for the faculty and students of the college. The villagers are facing hardships in meeting their basic needs, with struggles for sustenance and lack of academic environment for their children. Additionally, the exploitation of school students by tuition

providers, low adult literacy rates, and absence of guidance and counseling for the youth further compound their difficulties. Moreover, the lack of access to clean drinking water and unhygienic conditions in the villages add to their plight.

In response to these challenges, JGEC initiated the JYOTI program, which has seen significant success since its inception in 2010. The program has grown from 80 to around 150 students, providing classes four times a week for children from class 4 to class 10. Furthermore, it offers guidance for Polytechnic entrance exams and has a dedicated Hindi section for students from neighboring tea garden schools. The impact of JYOTI is evident in the success story of a student who cleared WBJEE and passed out from JGEC.

In addition, the Alumni Association of JGEC has been instrumental in providing scholarships to needy and poor students.

File Description	Documents
Best practices in the Institutional website	https://jgec.ac.in/public/upload/notice/1686559197_291a320305afef94c6a4.docx
Any other relevant information	http://jyotijgec.org/

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)

Our Vision To be a provider of globally competitive, high quality technical human resources. To promote and significantly contribute towards development of technologies and innovations appropriate to sustainable economic growth and enrichment of quality of life. Our Mission To Develop itself into an institute of world class reputation and advance knowledge and educate students in the areas of technology. Core values Eco friendly campus and sustainability: A Green Campus is a place where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices in the campus.

These strategies need to be incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus. Jalpaiguri Govt. Engineering College is striving continuously for making its campus green and clean, by imposing sustainable and ecofriendly thinking into both academics and student activities. It stands against extravagance in utilization of its resources. Considering several eco-friendly issues, it has made couple of plans deliberately, for developing an altruistic academic ambience.

File Description	Documents
Appropriate link in the institutional website	https://jgec.ac.in/public/upload/notice/1703585636.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

In upcoming academic year the following plans are proposed for the advancement of the institutions: 1. A campus will full LED and energy efficient utilities are proposed to be executed to participate in energy preservation movement.

2. Cultural and social activities on gender quality awareness program are proposed, which was postponed last year due to unavoidable lock down scenario. 3. Ramp and lift facilities for Divangyans in different major sections of the campus is planned to be executed. 4. Students will be actively involved in green energy movement through different type of renewable energy uses. 5. Energy audit, green audit which were not possible last year will be in force. 6. Several cultural activities will be conducted to empower the awareness on Indian constitutional system.

7. Strengthen Green Campus initiatives