YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution   PRAGATI ENGINEERING COLLEGE

- Name of the Head of the institution   Dr.K.SATYANARAYANA

- Designation   PRINCIPAL

- Does the institution function from its own campus?   Yes

- Phone No. of the Principal   08852-252233

- Alternate phone No.   9618787861

- Mobile No. (Principal)   9618787861

- Registered e-mail ID (Principal)   principal@pragati.ac.in

- Address   1 - 378, ADB Road, Surampalem, Near Peddapuram

- City/Town   Kakinada

- State/UT   Andhra Pradesh

- Pin Code   533437

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy)   16/06/2016

- Type of Institution   Co-education

- Location   Rural

- Financial Status   **Self-financing**

- Name of the IQAC Co-ordinator/Director   **Dr.A.Radha Krishna**

- Phone No.

- Mobile No: **9440614466**

- IQAC e-mail ID   **iqac@pragati.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)   https://pragati.ac.in/wp-content/uploads/2024/09/AQAR-2021-22.pdf

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

- if yes, whether it is uploaded in the Institutional website Web link: https://pragati.ac.in/examinations/academic-calendars/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.05**	**2015**	**11/05/2015**	**31/12/2021**

6.Date of Establishment of IQAC   **21/04/2014**

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**	**0**

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI   View File

9.No. of IQAC meetings held during the year   **4**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken   **Yes**

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)

The IQAC conducted reviews to assess the effectiveness of existing systems and identify areas needing attention.

The IQAC had implemented robust feedback mechanisms to gather inputs from various stakeholders, including students, faculty, employers, and alumni.

The IQAC actively involved in designing and implementing OBE practices, including defining learning outcomes, aligning curriculum and assessment methods, and monitoring student performance

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
Identification of Key Areas	IQAC identifid key areas for quality enhancement based on past performance, stakeholder feedback, and emerging trends in education.
Curriculum Review and Enhancement	Reviewed existing curricula and prepared draft of R23 to ensure relevance, updating content to meet industry standards, and integrating emerging technologies
Student Support Services	Implemented initiatives to support student learning and well-being, including counseling services, academic advising, and mentorship programs.

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	06/12/2023

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

- Year

Part A

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• Phone No.	
• Mobile No:	**9440614466**
• IQAC e-mail ID	**iqac@pragati.ac.in**
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4.Was the Academic Calendar prepared for that year?	**Yes**
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01-11-2024 03:35:50

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- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council	06/12/2023

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2024	08/01/2024

15.Multidisciplinary / interdisciplinary

The institute acknowledges the importance of staying current in the ever-changing technological environment. To keep pace with these advancements, it has integrated a variety of interdisciplinary and multi-disciplinary courses into its curriculum. Inspired by AICTE's model curriculum, the institute seamlessly weaves together a diverse array of subjects, encompassing fundamental sciences, humanities, social sciences, engineering sciences, and management studies. This comprehensive approach equips students with a broad spectrum of cutting-edge skills and competencies necessary to excel in today's world. In addition to theoretical instruction, the institute places a strong emphasis on practical skill development, fostering hands-on experiences and various training programs

16.Academic bank of credits (ABC):

The National Education Policy (NEP) introduces a transformative approach to education, allowing students the flexibility to enter and exit academic programs at multiple points. This flexibility empowers students to explore their interests and preferred learning methods, enabling them to select courses that align with their intellectual, professional, or vocational passions. Gone are the restrictive confines of mandated degrees or courses, as students' earned credits are digitally archived within the ABC

system. At Pragati Engineering College, students enthusiastically accumulate credits through national programs like SWAYAM, NPTEL, MOOCS, and more, showcasing their endorsement of the NEP's provisions. While the full implementation of the Academic Bank of Credit (ABC) awaits approval due to the college's affiliation with JNTUK, Pragati Engineering College eagerly anticipates embracing the ABC once it's seamlessly integrated into academic curricula

17.Skill development:

PEC consistently nurtures and empowers students to enhance their skills through a diverse array of offerings. This includes value added courses, specialized industry training, enlightening guest lectures by industry luminaries, and immersive internships. To align with the National Education Policy (NEP) and Regulation 20 (R20) guidelines, the institution has seamlessly integrated skill-centric courses into its curriculum. Furthermore, PEC has introduced advanced engineering programming courses to bolster students' employability. In collaboration with the Andhra Pradesh State Skill Development Corporation (APSSDC), PEC has orchestrated numerous short-term engineering skill development programs. PEC's ongoing efforts to forge corporate partnerships have made skill development an integral part of the professional courses and competencies offered. Students are introduced to the importance of skill development during the Induction program in their first year. Subsequently, they complete mini-projects in the second and third years, culminating in substantial projects during their final year. To refine their practical skills, dedicated project laboratories are provided for each subject. PEC actively encourages students to undertake summer internships, enhancing their problem-solving abilities. Technical activities, including institute-sponsored project expos, further enrich students' skillsets and adaptability to changing circumstances. To bolster employability during placement opportunities, students also receive consistent training in communication skills. PEC has established student clubs spanning sports, dance, music, photography, literature, and sustainable development, among others, serving as platforms for holistic skill development. These clubs, along with professional associations like IEEE, ISTE, IE, IETE, and CSI, offer additional avenues for skill enhancement and networking.

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

In light of India's diverse cultures and languages, fostering

proficiency in local languages and cultures can significantly benefit students in their career advancement. Aligned with the NEP-2020 vision for promoting teaching and learning in Indian languages, our institution strives to create an environment conducive to students teaching and learning in their mother tongue. This initiative boosts students' self-esteem and deepens their grasp of concepts across various subjects and academic levels. While English proficiency is often essential in the engineering workplace, we recognize the vital role of effective communication in English. At PEC, we emphasize a blend of English and local languages to enhance students' ability to articulate their ideas, thoughts, and opinions. Moreover, PEC places immense value on India's rich cultural tapestry and linguistic diversity. To instill this appreciation, all students are required to undertake the "Essence of Indian Traditional Knowledge (EITK)" course, exposing them to ancient scientific and mathematical wisdom as well as the evolving lifestyles from the Vedic era to the contemporary period. In addition, Pragati Engineering College proudly organizes a multitude of cultural events that celebrate and preserve the essence of the Indian traditional system, fostering an inclusive environment without gender bias. These events also serve as a platform for students to revitalize their skills.

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

Pragati Engineering College (PEC) has effectively adopted OutcomeBased Education (OBE) principles, ensuring clarity and alignment in its educational approach. PEC's pedagogy emphasizes well-defined Program Outcomes and Program-Specific Outcomes that correlate with Graduate Attributes. Course Outcomes (COs) for all subjects are meticulously crafted based on Bloom's Taxonomy, encompassing higherlevel skills such as Applying, Analyzing, Evaluating, and Creating. These COs are then harmonized with the Program Outcomes and ProgramSpecific Outcomes. The institution employs proficient assessment tools to gauge the attainment of POs, PSOs, and PEOs, with the results informing curriculum development. OBE at PEC facilitates adaptable learning, empowering students to select subjects and study methods that resonate with their individual strengths and limitations. This flexibility enables thorough subject mastery. PEC's OBE framework aligns with the objectives set forth in the National Education Policy 2020, embracing a multiple entry and exit system, the creation of an "Academic Bank of Credits," a focus on learning outcomes, and the integration of online and digital learning methods to advance authentic OBE in higher education. The

college's commitment to OBE is evident through regular training sessions conducted by the IQAC for new faculty members, the inclusion of COs, POs, PEOs, and PSOs in every syllabus, and the dissemination of effective educational practices among stakeholders.

20.Distance education/online education:

While some Indian universities hold UGC authorization for distance and open education, Pragati Engineering College (PEC) does not currently offer distance learning programs. The college's library extended support for students' online academic endeavors.

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	**14**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1 Total number of students during the year:	**4830**

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2 Number of outgoing / final year students during the year:	**1126**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	**4808**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	**857**
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	**239**
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	**239**
Number of sanctioned posts for the year:	

4.Institution

4.1	**478**
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	**70**
Total number of Classrooms and Seminar halls	
4.3	**1057**
Total number of computers on campus for academic purposes	
4.4	**2795.63**
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.

Pragati Engineering College (PEC) is committed to delivering highquality education that aligns with the guidelines of AICTE, APSCHE, the affiliating university, and incorporates stakeholder feedback in pursuit of its mission and vision. The curriculum, thoughtfully designed, encompasses diverse facets of basic science, humanities, professional courses, and offers both core and elective options to ensure comprehensive education. PEC's departments align their vision and mission with ProgramEducational Objectives (PEOs) while structuring Program Outcomes (POs) and Program Specific Outcomes (PSOs) to emphasize domainspecific knowledge and skills in line with Course Outcomes (COs). These COs are shaped by revised Bloom's Taxonomy, encouraging critical thinking, analysis, and application. Curriculum design factors in reputed university syllabi, AICTE models, professional body outcomes, industry expertise, alumni input, and competitive exam syllabi. It undergoes scrutiny by the Department Advisory Committee (DAC), the Board of Studies (BOS), industry experts, alumni, and faculty members. Institutional autonomy enables agile revisions based on stakeholder input. In rural areas, curriculum adaptations prioritize soft skills, general aptitude, and technical proficiency. The introduction of Major, Minor, and Honors programs under regulation R20 allows specialization beyond disciplines. To enhance knowledge, students engage in MOOCs via NPTEL and mandatory internships, complemented by value-added courses for industry readiness. The curriculum integrates local and global issues, notably the Community Service Project (CSP), where students tackle local challenges with sustainable, environmentally conscious solutions, ensuring a forward-looking, holistic Education

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	Nil

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

09

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

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

689

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

286

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
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

09

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
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

Pragati Engineering College (PEC) is dedicated to infusing crosscutting educational themes into its curriculum, aligning with the Sustainable Development Goals (SDGs) and the National Education Policy - 2020 (NEP-2020). PEC places strong emphasis on professional ethics, integrating ethical decision-making, integrity, and responsibility into the education of future engineers. The 'Professional Ethics and Human Values' course is mandatory for all engineering branches. The college actively promotes gender equality, organizing discussions and case studies to raise awareness about gender issues and foster inclusivity.PEC recognizes the importance of instilling human values in students, introducing 'Universal Human Values-II Understanding Harmony' to cultivate empathy and social responsibility. Recognizing the urgent need to address environmental challenges, PEC integrates environmental education and sustainability practices into its curriculum. The Institution emphasizes the importance of sustainable development, resource conservation, and environmental stewardship. Students are exposed to topics such as climate change, renewable energy, waste management, and sustainable engineering solutions. Students develop the knowledge and skills necessary to contribute to a greener and more sustainable future. Through the courses like'Environmental Science', 'Renewable Energy Engineering', 'Disaster Management', 'Sustainable Energy Technologies',Water Resource Engineering' which) have been added to the curriculum. Moreover, PEC incorporates SDG-related topics, fostering an understanding of social, economic, and environmental interdependencies. The institution adheres to NEP-2020 principles, offering learner-centric, interdisciplinary education to produce graduates equipped with holistic knowledge, social consciousness, and adaptability for a dynamic world.

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

59

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	No File Uploaded

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

322

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

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

3106

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is   **B. Any 3 of the above**

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

File Description	Documents
Provide the URL for stakeholders' feedback report	https://pragati.ac.in/feedback/feedback-on-curriculum/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following   **B. Feedback collected, analysed and action taken**

File Description	Documents
Provide URL for stakeholders' feedback report	https://pragati.ac.in/feedback/feedback-on-curriculum/
Any additional information	No File Uploaded

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

1324

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)

478

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.

Pragati Engineering College (PEC) recognizes the transformative power of education, acknowledging that each student possesses unique learning abilities. To cater to these diverse needs, PEC has implemented a comprehensive assessment system and tailored support programs. Assessment for Learning: PEC prioritizes ongoing assessment to gauge students' learning levels. Continuous assessment practices enable teachers to identify individual strengths, weaknesses, and areas needing attention, ensuring personalized guidance. Diagnostic Assessments: Understanding that many students come from rural backgrounds, PEC utilizes tests, formative evaluations, and continuous internal assessments to gain insights into students' learning profiles. These assessments help identify learning difficulties, knowledge gaps, and potential barriers to academic progress. The assessment comprises Internal Evaluation (50% weightage), External Evaluation (25% weightage for students with more than three backlogs), and Classroom Performance (25% weightage). Students are categorized as advanced or slow learners at the beginning of their coursework. Support for Slow Learners: Slow learners are identified based on class attendance, participation, and test performance. Subject teachers conduct makeup and remedial classes throughout the semester. Faculty counselors monitor their progress, providing guidance on attending classes and additional support. Support for Advanced Learners: Bright students are identified based on active participation, questioning ability, and exam performance. They receive academic guidance to participate in inter-institute competitions, gain awareness of project management techniques, and complete online courses like NPTEL/SWAYAM and COURSERA. Academic toppers are recognized with certificates and prizes, while outstanding graduates receive gold medals annually.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/08/2022	4830	239

File Description	Documents
Upload any additional information	No File Uploaded

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:

Pragati Engineering College (PEC) is committed to providing a comprehensive and engaging learning experience to its students. The college employs student-centric approaches, including experiential learning, participative learning, and problem-solving methodologies, to enrich the educational process. Furthermore, PEC harnesses the power of Information and Communication Technology (ICT) tools and online resources to optimize teaching and learning. Experiential Learning:At PEC, experiential learning takes center stage, emphasizing hands-on experiences that encourage active student involvement. Practical sessions, lab work, and projectbased learning allow students to apply theoretical knowledge in real-world contexts. This approach nurtures critical thinking, problem-solving, and teamwork skills while deepening their understanding of the subject matter. Participative Learning:PEC champions participative learning, where students become active participants rather than passive recipients of information. Interactive classroom discussions, group activities, and peer-to-peer learning foster communication skills, broaden subject comprehension, and boost motivation. Problem-Solving Methodologies:The college integrates problemsolving methodologies into its curriculum through Industry 4.0 Clubs. Students tackle complex challenges through case studies, simulations, and demanding assignments, cultivating creativity, analytical thinking, and decision-making abilities. ICT-Enabled

Tools and Online Resources:PEC recognizes the importance of ICT in education and employs various digital tools. These resources, including e-books, research materials, multimedia presentations, and online platforms, enrich learning experiences, facilitate interactive teaching, and accommodate individual learning preferences. They empower students to explore topics at their own pace, ensuring they are well-prepared for future careers in a digitalized world.

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

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

In an increasingly digital world, PEC recognizes the importance of integrating Information and Communication Technology (ICT) into the teaching and learning process. The college employs a variety of ICT-enabled tools, including online resources, to enhance the effectiveness of education delivery. These tools provide students with access to a vast array of learning materials, including ebooks, research articles, interactive modules, and multimedia presentations. By leveraging online resources, students can supplement their classroom learning, explore topics in depth, and stay updated with the latest developments in their field of study. The use of ICT tools also enables teachers to deliver content in a more engaging and interactive manner. Through multimedia presentations, simulations, and virtual experiments, complex concepts can be visualized and understood more effectively. Online platforms and learning management systems facilitate communication and collaboration between students and teachers, allowing for seamless exchange of information, assignment submissions and feedback. Moreover, ICT tools provide students with the flexibility to learn at their own pace, catering to individual learning styles and preferences.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	**Nil**
Upload any additional information	**No File Uploaded**

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

2.3.3.1 - Number of mentors

223

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

Academic Calendar Development: PEC recognizes the value of a meticulously crafted academic calendar. The Principal, in collaboration with department heads and the Examination Section, meticulously constructs a comprehensive academic calendar. This calendar encompasses essential details like semester commencement and closure, total working days, syllabus coverage goals, exam timetables, and the observance of significant dates and national holidays. Key Components of the Academic Calendar: 1. Semester Dates: PEC's academic calendar clearly delineates the start and end dates of each semester, offering students and faculty a precise understanding of term duration. 2. Class Schedules: It furnishes a well-defined class timetable, specifying course timings and durations, aiding students in managing study time and helping faculty allocate ample teaching and assessment time. 3. Exam Schedules: The calendar includes deadlines forassignments, class tests, internal and external assessments (mid-semester and semester-end exams), providing students with ample preparation time. 4. Co-curricular and Extra-curricular Activities: It incorporates dates for workshops, seminars, guest lectures, and other enrichment activities, ensuring a balanced educational experience. Teaching Plans Development: 1. Course Objectives:

Clearly defined learning objectives and outcomes, guiding students towards course completion goals. 2. Course Content and Resources: Outlines of course content and the required resources, including textbooks and online materials, ensuring instructors have the necessary tools for effective teaching. 3. Instructional Strategies: Identification of engagement techniques such as lectures, group discussions, case studies, experiments, or multimedia presentations to enhance student comprehension. 4. Assessment Methods: Specification of evaluation methods like quizzes, assignments, projects, presentations, and exams aligned with course objectives.

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

239

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	**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

13

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	**No File Uploaded**

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

teachers' total teaching experience in the current institution)

7

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

33.5

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

81

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	**No File Uploaded**

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

The implementation of ICT and examination process reforms, including Continuous Internal Assessment (CIA), has significantly improved the Examination Management System (EMS) at Pragati Engineering College. Leveraging IT tools and software, the college has digitized the entire examination process, eliminating manual

paperwork and reducing errors. This transformation benefits both students and faculty. Several key reforms have positively impacted examination management:

1. Centralized organization of internal assessment tests and end-semester examination seating arrangements and invigilation duties.

2. Faculty submission of two sets of question papers for midexaminations, with one set chosen on the exam day.

3. Selection of paper setters from premier institutes, followed by review by senior faculty.

4. Implementation of Continuous Internal Assessment as per curriculum requirements.

5. High-end server with firewall security for the examination cell.

6. Automation of pre and post-examination processes using technology tools.

7. CCTV surveillance for monitoring examination activities.

8. Automatic data backup for examination data security. The EMS, enabled by IT and the BEES software, allows students to access their results and certificates. OMR scanning tools facilitate result input, and MS Office is used for creating examination notifications and schedules on pre-installed PCs in the exam branch.

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

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

Pragati Engineering College (PEC) recognizes the importance of clearly defined learning outcomes, program outcomes, course outcomes, and graduate attributes. These outcomes and attributes are integrated into the assessment process and are widely

publicized through the college's website and other documents. .
The college ensures that these outcomes are communicated
effectively to all stakeholders, including students, faculty,
parents, and prospective employers. The faculty in each of their
classes addresses on these COs and their interrelationship with
PO/PSOs. In the beginning of each unit of every course handled by
the faculty, the COs are emphasized in the class room for the
students. By this exercise, the students completely understand the
concepts and try to enhancethe cognitive skills of the course
under consideration. The COs, POs/PSOs, PEOs are displayed in
class rooms, laboratories, corridors and other mediums such as
Website: The syllabus of all programs offered by the department is
uploaded on the college website which includes the COs and CO-PO
mapping of various courses of the curriculum. Course handout: The
course handouts of every program include Vision-Mission, PEOs,
POs, PSOs of the Program offered by the department and COs of
various courses of the Curriculum Department Notice Boards Student
Induction Programs Meetings/ Interactions with employers Faculty
meetings Alumni meetings During regular interactions with the
students, the HODs, course coordinators, course teachers, mentors
create awareness to the students on POs, PSOs and COs and
emphasize the need to attain the outcomes

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

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

The process of evaluating the attainment of these outcomes
involves several key steps. First, PEC establishes a comprehensive
framework that defines the desired learning outcomes for each
program and course.The faculty, course coordinators, and programme
coordinator prepare COs and map them with POs and PSOs employing
numeric weightages. The BOS, including the Head of the Department
and course coordinator, of the individual departments will discuss
the same and approve it . The preparation of COs is done with
brain-storming sessions such that the objectives of each course
are translated at the end in the form of outcomes. Bloom's
taxonomy is used while formulatingthe outcomes. COs are direct
statements that describe the essential and enduring disciplinary

knowledge and abilities that students should possess and the depth of learning that is expected upon completion of a course. They are clearly specified and communicated. The COs are prepared by the course coordinator in consultation with concerned faculty members teaching the same course. Every CO is mapped to one or more POs and is measured at the end of the course through various assessments. These are designed specifically to measure the CO and contribute to the PO that it is mapped to. The number of COs for a course may range from three to six. CO assessment process is done based on the performance of the student using Direct methods (Mid Examinations, Assignments, Semester End Examinations) and Indirect method (Course End Feed Back).

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

1043

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	**Nil**

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://pragati.ac.in/naac/feedback-analysis/student-satisfaction-survey-reports/

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

To support cutting-edge research, PEC continually updates its research infrastructure and implements a well-defined research promotion policy. The departments of Electrical and Electronics Engineering (EEE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Computer Science and Engineering (CSE), and Chemistry have earned recognition as research centers from JNTUK, Kakinada. Research Facilities: PEC boasts an impressive array of research facilities, fostering multidisciplinary collaboration and offering state-of-the-art laboratories, equipment, and infrastructure. These resources cover a wide spectrum of engineering disciplines, including Civil, Mechanical, Electrical, Electronics, Computer Science, and Information Technology.Furthermore, PEC's R&D laboratories have gained recognition through participation in national-level sponsored programs like BRNS, BARC, UGC, and DST under the Ministry of Science and Technology. Policy for Promotion of Research: PEC acknowledges the importance of a well-defined research promotion policy and provides clear guidelines accessible on the institutional website. This policy emphasizes research collaborations, both internal and external, encouraging faculty to engage with experts from industry, academia, and research organizations. The Institute's Research Committee and Ethics Committee actively monitor research progress Institute Initiatives to Promote Research Activities:

1. Monetary incentives for paper publications in national/international journals with Impact Factors, rewarding the first and second authors.

2. Support for paper publications in international conferences, including financial assistance for travel and registrationfees.

3. Seed funding for faculty research and career advancement.

4. Faculty development opportunities, including workshops, seminars, and conferences.

5. Establishment of centers of excellence, innovative labs, and incubation centers.

6. Special incentives for faculty pursuing part-time higher

education (Ph.D.).

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	**No File Uploaded**
Provide URL of policy document on promotion of research uploaded on the website	**Nil**
Any additional information	**No File Uploaded**

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)

NIL

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	**No File Uploaded**
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

4

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)

82.51

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	**No File Uploaded**
Any additional information	**No File Uploaded**

3.2.2 - Number of teachers having research projects during the year

4

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	**Nil**
List of research projects during the year	[View File](#)

3.2.3 - Number of teachers recognised as research guides

13

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	**No File Uploaded**
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

2

File Description	Documents
Supporting document from Funding Agencies	[View File](#)
Paste link to funding agencies' website	**Nil**
Any additional information	**No File Uploaded**

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.

Pragati Engineering College (PEC) has established an Institution's Innovation Council (IIC) in collaboration with MHRD/MoE/AICTE, Government of India, aligning with the primary objective of MoE's Innovation Cell (MIC) to inspire and guide young students in their formative years, fostering a culture of innovation and entrepreneurship. PEC actively conducts a multitude of online and offline programs, adhering to MIC and Entrepreneurship Innovation and Startup Center (EISC)/APSCHE guidelines, to cultivate an environment that promotes innovation and entrepreneurship among both faculty and students. Recognizing the critical importance of Intellectual Property Rights (IPR), PEC consistently educates its academic community through workshops, seminars, and training programs on various forms of intellectual property, such as patents, copyrights, trademarks, and trade secrets. An IPR Course has been integrated into the syllabus.In 2019-20, PEC established the IIC to provide comprehensive support and guidance on innovation, research, incubation, and IPRrelated matters. The IIC engages faculty and students in various innovation and entrepreneurship activities, including problem solving, ideation,

concept development, design thinking, prototype management, and startup mentoring, fostering an innovation and entrepreneurship culture. With dedicated Research and Development (R&D) facilities, PEC encourages research across multiple departments and has been recognized as a research center by JNTUK, Kakinada, in departments like EEE, ME, ECE, CSE, and Chemistry. The institution actively engages in consultancy services, interdisciplinary research, and industry-academia collaborations to promote the creation and transfer of knowledge and technology, resulting in innovative solutions with significant societal impact

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

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

13

File Description	Documents
Report of the events	**No File Uploaded**
List of workshops/seminars conducted during the year	<u>View File</u>
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

B. Any 3 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	**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

10

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

162

File Description	Documents
List of research papers by title, author, department, and year of publication	*View File*
Any additional information	**No File Uploaded**

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

12

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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

20

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	No File Uploaded

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

6

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
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)

4.1

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	**No File Uploaded**

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

NIL

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

Pragati Engineering College (PEC) is committed to foster holistic development among its students by actively engaging them in extension activities within the neighbourhood community. The college has NCC, NSS Units, Rotaract Club, Hope for a Change Club, Mahatma Gandhi National Council for Rural Education (MGNCRE) Clubs such as Greenery, Energy Management, Water Management, Waste Management and Sanitation & Hygiene which conducts activities catering to the needs of local villages and conduct various awareness campaigns. These activities have not only made a positive impact on the community, but also sensitize the students to various social issues. For A.Y 2022-23the college's

extensionactivities have achieved remarkable outcomes and received notable awards, showcasing their dedication to creating a positive change in society. The Institute organizes the following community extension activities on a regular basis. Blood donation camps. Tree plantation program in the college,surrounding villages and nearby areas. Assistance to orphanages and old age homes, such as the distribution of groceries, clothing, andhousehold items. Assistance to Government Schools by distributing furniture, computers, etc. Distribution of Blankets for needy people at locations across Kakinada Clean and green initiative and spreading awareness on environment by distribution of eco-friendlyGanesh idols Beach cleaning and nature conservation programs in Kakinada Health run, Heart, Cancer, and other awareness rallies and marathons have been organized byaddressing community issues

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

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

NIL

File Description	Documents
Number of awards for extension activities in during the year	No File Uploaded
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

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)

27

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

2138

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

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

4389

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)

8

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	**No File Uploaded**
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	**No File Uploaded**

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 provides a tranquil academic ambience sprawling in a 25-acre lush green campus with a plinth area of 31,263.62 Sq.

Mtrs. .At Pragati Engineering College (PEC), utmost importance is given to the teaching-learning process. The Institution boasts state-of-the-art classrooms equipped with modern amenities to facilitate effective learning.The classrooms are spacious, wellventilated, and furnished with comfortable seating arrangements, providing students with a conducive environment for learning.The institution also maintains well-equipped laboratories for various disciplines, enabling students to gain hands-on practical knowledge and develop their skills.

- With four academic blocks housing ,The Institute has sufficient 70 classrooms with furniture as per AICTE norms for accomplishing academic activities.
- All classrooms are equipped with adequate lighting and well ventilation, LCD Projectors , Wi-Fi, Fans, Lights, and Glass board.
- 2 seminar halls, 1 conference hall, and 1 mini conference hall are equipped with LCD Projector with white board facility, Wi-Fi, Audio and Video facilities for guest lectures, conferences, FDPs. Each seminar hall has a seating capacity of 200.
- 2 drawings halls, 1 workshop, and 61 laboratories are provided with necessary equipment conforming to the syllabi.
- All laboratories are equipped with state-of-the-art technologies. Each laboratory is provided with necessary display boards and adequate safety measures.
- Central Library is provided with an area of 2797.96 Sq. Mtrs., has a seating capacity of 300. The digital library is equipped with 25 PCs connected with Wi-Fi. Video Conferencing Room is equipped with LCD Projector, WiFi, Audio and Video facilities for effective Teaching learning process.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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 college provides a comprehensive range of facilities to its students, including those related to cultural activities, yoga, sports, and games. The college has a well-equipped gymnasium that

allows students to engage in physical activities and maintain a healthy lifestyle. The gymnasium is equipped with modern fitness equipment and is open to students throughout the day. Additionally, the college has a dedicated yoga centre where students can practice yoga and meditation to improve their mental and physical well-being. The college also places a great emphasis on cultural activities and has an auditorium where various cultural events, seminars, and workshops are held throughout the year. This provides students with the opportunity to showcase their talents and skills and to develop their interpersonal skills by participating in cultural activities. The college has also made significant investments in sports facilities. The campus has a vast sports ground where students can engage in a variety of outdoor sports such as cricket, football, volleyball, and athletics. The college also has indoor sports facilities for games like table tennis, chess, and carrom. Overall, the facilities provided by Pragati Engineering College for cultural activities, yoga, sports, and games are exceptional. These facilities play a significant role in shaping the overall personality of students and help them develop skills beyond academics

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

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

48

File Description	Documents
Upload any additional information	No File Uploaded
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)

867.23

File Description	Documents
Upload audited utilization statements	**No File Uploaded**
Details of Expenditure, excluding salary, during the years	[View File](#)
Any additional information	**No File Uploaded**

4.2 - Library as a Learning Resource

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

Pragati Engineering College (PEC) has embraced this transformation by implementing an advanced Integrated Library Management System (ILMS) in its central library. This innovative system, complemented by extensive subscriptions to e-resources and journals, has revolutionized the library's utility for the college community. The college's central library, spanning 2797.96 square feet across two floors, offers a modern, well-ventilated space with seating for 300 users. It houses various facilities such as book circulation, newspapers, digital resources, and more. The ILMS, powered by KOHA software, has streamlined library operations, including cataloging, acquisitions, circulation, and inventory management. It maintains a comprehensive database of available resources, simplifying access for users. A significant focus of PEC's library enhancement is the integration of digital resources. The college has expanded its collection, particularly in emerging areas of BTech programs in CSE. Subscriptions to e-resources and journals provide access to adiverse range of scholarly materials. This digital environment enhances the learning experience and encourages research and innovation. Library staff play a crucial role in assisting users, and an online platform offers convenient access to digital resources and physical material requests. These initiatives have led to increased library engagement among both faculty and students, serving as a hub for academic discourse, research collaboration, and knowledge sharing. Faculty benefit from access to scholarly journals to enrich their teaching, while students can explore resources to expand their knowledge and critical thinking skills.

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

4.2.2 - Institution has access to the following: B. Any 3 of the above
e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

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

13.29

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

1050

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

Pragati Engineering College (PEC) recognizes this significance and is dedicated to providing cutting-edge IT facilities and robust internet connectivity. PEC consistently upgrades its IT infrastructure to keep pace with the ever-evolving technological landscape, promoting critical thinking skills among its stakeholders. Modern IT infrastructure is crucial for researchers, offering access to extensive resources, databases, and simulations. Highspeed internet and advanced software tools are indispensable for experiments, data analysis, and simulations. PEC ensures ample bandwidth, with two leased internet lines: one from BSNL with dual 150 Mbps lines and another from City Broadband with 40 Mbps. The entire college campus, including areas like the canteen, library, seminar halls, and training and placement cell, is Wi-Fi enabled. PEC places a high priority on regular IT facility upgrades to meet evolving needs. The institution invests in the latest hardware, software, and networking equipment, covering computer labs, servers, networking infrastructure, and multimedia facilities. The Main Computer Center houses multiple servers, including Windows,Ubuntu, CAD/CAE, and Oracle database servers. The Internet Gateway consists of essential components such as a Web Server, Fortinet FG – 201E – BDL, CISCO manageable switches, and more, ensuring a robust LAN. To optimize connectivity and ensure uninterrupted services, PEC maintains an efficient network infrastructure employing industrystandard equipment like routers, switches, and firewalls, ensuring data security and reliability. Routine network monitoring and maintenance are conducted to promptly address issues and maintain optimal performance, with FortiGate being annually renewed within the Campus Network.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4830	**1057**

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. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<u>View File</u>
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

A. All four of the above

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**
List of facilities for e-content development (Data Template)	<u>View File</u>

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)

1028.28

File Description	Documents
Audited statements of accounts	**No File Uploaded**
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.

The college has implemented comprehensive systems and procedures to optimize the use and upkeep of these facilities, contributing significantly to student growth and success. Laboratories: PEC boasts state-of-the-art laboratories equipped with cutting-edge tools, equipment, and technologies serving various disciplines, including CE, EEE, ME, ECE, CSE, CSE emerging programs, IT, and Basic Sciences and Humanities. The college ensures regular maintenance and repair of equipment to ensure smooth functioning. Library: PEC's library is a treasure trove of knowledge, offering an extensive collection of books, journals, research papers, and online resources. The college maintains efficient library procedures, managed by a dedicated staff team, ensuring organized access to resources, cataloging, borrowing, and digital subscriptions. The library also provides study spaces and digital access to enhance the learning experience. Sports Complex: Recognizing the importance of physical fitness andsports, PEC offers indoor facilities like chess, carroms, and table tennis, along with a gymnasium. The college also has an expansive sports ground for cricket, volleyball, basketball, badminton, and athletics. Computers: PEC understands the significance of computer facilities in education and maintains computer labs with hardware and software support for academic programs. IT professionals manage software installation, updates, troubleshooting, and network maintenance. Classrooms: PEC ensures well-maintained classrooms with essential teaching aids like projectors, boards, and audio-visual equipment. Regular maintenance of furniture, lighting, and ventilation creates a comfortable learning environment. The college promotes interactive teaching methods to engage students effectively.

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

01-11-2024 03:35:51

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

2982

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	[View File](#)
Upload any additional information	**No File Uploaded**

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

264

File Description	Documents
Upload any additional information	**No File Uploaded**
Institutional data in prescribed format	[View File](#)

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

A. All of the above

File Description	Documents
Link to Institutional website	**Nil**
Details of capability development and schemes	[View File](#)
Any additional information	**No File Uploaded**

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

962

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	**No File Uploaded**
Upload any additional information	**No File Uploaded**

5.2 - Student Progression

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

722

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	**No File Uploaded**

5.2.2 - Number of outgoing students progressing to higher education

17

File Description	Documents
Upload supporting data for students/alumni	**No File Uploaded**
Details of students who went for higher education	<u>View File</u>
Any additional information	**No File Uploaded**

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

30

File Description	Documents
Upload supporting data for students/alumni	<u>View File</u>
Any additional information	**No File Uploaded**

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

18

File Description	Documents
e-copies of award letters and certificates	<u>View File</u>
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

The Student Association, present in each department, comprises class representatives (CRs) and girl representatives (GRs) who act as a liaison between students, faculty, and the college administration. They engage in open dialogues with students,

effectively conveying their viewpoints to college authorities, which include the student counsellor, class teacher, subject teacher, course coordinator, HOD, Deans, Vice Principal, Principal, Director, and Management. This proactive approach facilitates transparent communication of student feedback, suggestions, and grievances. Additionally, the Student Association collaborates with the administration to organize extracurricular activities, cultural events, and community service initiatives. Recognizing the value of student input, PEC ensures student representation on various academic and administrative bodies/committees such as IQAC, Anti Ragging Committee, IIC, Library Committee, Discipline Committee, Cultural Committee, and student clubs.

These representatives contribute to decision-making related to library resources, disciplinary matters, and more, enriching the overall process and making students active stakeholders in their educational journey.

The impact of student representation at PEC extends to:

1. Student Empowerment: Empowering students to take ownership of their education and campus life, fostering confidence and leadership skills.
2. Effective Communication Channel: Enhancing interactions between students, faculty, and administration through various college-level committees.
3. Holistic Development: Organizing diverse extracurricular activities, events, and initiatives that help students explore interests, develop skills, and build networks for overall growth.
4. Inclusive Decision-making: Ensuring well-rounded and studentcentric policies and practices through active student participation.
5. Enhanced Learning Environment: Creating a more inclusive and supportive learning environment, positively impacting student engagement, satisfaction, and academic performance.

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

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

4

File Description	Documents
Report of the event	**No File Uploaded**
List of sports and cultural events / competitions organised per year	[View File](#)
Upload any additional information	**No File Uploaded**

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

Pragati Engineering College (PEC) takes pride in nurturing graduates who have emerged as successful professionals across various domains, collectively known as alumni, playing a pivotal role in the institution's progress.

Their contributions and engagement are invaluable assets that propel PEC to new heights.

1. **Strengthening Academic Programs: PEC leverages the extensive industry expertise and knowledge of its alumni in curriculum development and revisions, ensuring program relevance and alignment with industry trends. Alumni conduct guest lectures, workshops, and seminars, sharing practical experiences and industry-specific skills, inspiring student excellence.**
2. **Mentoring and Career Guidance: Beyond academics, alumni guide and mentor current students, offering insights into the job market, career advancement tips, and assistance in transitioning from academia to the professional world. Alumni interactions grant access to industry connections and career advice.**
3. **Industry Collaboration and Placement Support: PEC's alumni network acts as a bridge between the institution and the professional world. They collaborate with the placement cell, sharing job openings, facilitating internships, and participating in campus recruitment drives, enhancing students' employability.**
4. **Financial Support and Infrastructure Development: Alumni generously provide financial aid, funding scholarships and infrastructure development. Their endowments create**

opportunities for deserving, financially constrained students. Alumni contributions enable investments in state-of-the-art facilities.

5. **Alumni Networks and Community Building:** PEC fosters alumni connections through an exclusive portal, encouraging peer and faculty interaction, knowledge sharing, and professional development. Online and offline alumni events strengthen the sense of community.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://pragati.ac.in/alumni-events/

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

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

Pragati Engineering College (PEC), renowned for its dedication to engineering education excellence, exhibits exemplary institutional governance and leadership practices that are in perfect alignment with its vision and mission. The college's management, in tandem with the Principal, ensures that policy statements and action plans are fully congruent with the institute's overarching vision and mission, and these are effectively communicated to all stakeholders. The Principal collaborates with the College Academic Committee, comprised of esteemed members including the Vice Principal, Deans, Controller of Examination, HODs, and senior faculty, to develop comprehensive action plans. These plans are subsequently executed by specialized functional committees, with regular reviews conducted by the Principal. PEC's impressive progress across diverse domains is presented during meetings of the Academic Council and the Governing Body, the apex authority, where member feedback drives a continuous improvement cycle.

Vision: To emerge as a Premier Institution for Technical Education

in the country through Academic Excellence and to be recognized as a Center for Excellence in Research & Development, catering to the needs of our country. Mission: To realize a strong Institution by consistently maintaining Stateof-art-infrastructure and building a cohesive, World Class Teamand provide need based Technical Education, Research and Development through enhanced Industry Interaction. The Institutional Quality Assurance Cell (IQAC) at PEC formulates short-term and long-term Institutional Perspective Plans, delineating strategic objectives, goals, and action steps to realize the institution's aspirations.

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

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

PEC adopts a decentralized and participatory management approach to excel in both academic and administrative endeavors. Faculty, staff, and students actively engage in the governance process, fostering a culture of ownership and accountability. A wellstructured organizational framework, comprising various bodies and committees, efficiently manages different functions in harmony with the institution's vision and mission. The Principal serves as the academic and administrative head, with HODs overseeing departmental administration. Moreover, students and staff actively contribute ideas for continuous improvement through formal and informal feedback mechanisms, including suggestion boxes in each department. The availability of a clear hierarchy, defined roles, and responsibilities ensures smooth functioning and enhances the overall effectiveness of the institutional bodies. The administrative staff members are well-trained and equipped with the necessary skills to handle administrative tasks efficiently. Several committees are identified for the efficient operation of college activities. Each committee has a convener who organizes the meetings at regular intervals with the faculty and students who are the members of the committee. The Principal and IQAC review the functioning of various committees from time to time To ensure the effectiveness of the institutional bodies, PEC has established a robust monitoring and evaluation mechanism. Regular assessments are conducted to gauge the performance and identifyareas for improvement. Feedback from faculty, students and

other stakeholders is actively sought and utilized to refine policies, procedures, and administrative practices. This continuous monitoring and evaluation framework contributes to the Institution's ability to adapt and respond to emerging challenges and opportunities.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File](#)
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

Pragati Engineering College has developed and implemented a comprehensive strategic/perspective plan to achieve its institutional objectives. The plan encompasses the college's mission, vision, values, and goals, and is designed to ensure that the institution remains responsive to the needs of its students, faculty, and community. The plan's primary focus is on enhancing the quality of education and research, promoting academic excellence, and providing students with the necessary skills and knowledge to succeed intheir chosen careers. The plan outlines strategies for improving the quality of teaching and learning, enhancing research and innovation, strengthening industry partnerships, and promoting social responsibility. To achieve its goals, the college has invested in state-of-the-art infrastructure and facilities, recruited highly qualified and experienced faculty members, and developed innovative teaching methodologies. The institution has also established partnerships with industry leaders to provide students with hands-on learning opportunities and practical experience. The plan has been successfully implemented, resulting in significant improvements in the quality of education and research at the college. The institution has received numerous awards and accolades for its academic excellence and has become a preferred destination for students seeking quality education in engineering and technology. In conclusion,Pragati Engineering College's strategic/perspective plan has been clearly articulated and implemented, resulting in significant improvements in the quality of education and research.

The college's commitment to academic excellence, innovation, and social responsibility has positioned it as a leader in the field of engineering and technology education.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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.

Pragati Engineering College (PEC) operates within a well-defined organizational framework that governs its various facets. Oversight of administrative procedures, co-curricular programs, and outreach initiatives rests with the College Administration, directed and monitored by the Governing Body. The Academic Council (AC) handles academic matters and suggests improvements, while the Finance Committee prepares annual budget proposals. Principal plays a crucial role in executing administrative, academic, co-curricular, and extracurricular activities through delegation. The IQAC works toward enhancing academic and administrative performance. At the departmental level, department heads manage academic and administrative activities, and faculty oversee students' development, participating in committees. Numerous committees facilitate college activities, with regular meetings and reviews by the Principal and IQAC. PEC is committed to implementing policies and guidelines governing its operations, from research and IT policies to examination reforms and anti-ragging measures. These policies foster transparency and accountability. The college's streamlined administrative setup ensures effectivecoordination and communication, with a focus on qualified recruitment adhering to merit-based principles. Comprehensive service rules and procedures govern employee conduct, including recruitment, promotion, leave, incentives, and retirement policies. A robust monitoring and evaluation mechanism, incorporating feedback from stakeholders, enables PEC to continuously refine its policies, procedures, and administrative practices, ensuring adaptability and responsiveness to evolving challenges and opportunities.

File Description	Documents
Paste link to Organogram on the institution webpage	https://pragati.ac.in/about-us/organizational-chart/
Upload any additional information	**No File Uploaded**
Paste link for additional Information	**Nil**

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) 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	**No File Uploaded**

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

Pragati Engineering College (PEC) has instituted a comprehensive approach to faculty support and career development, emphasizing performance appraisal, welfare measures, and professional growth opportunities. These initiatives underscore PEC's dedication to nurturing a positive work environment that fosters the well-beingand advancement of its faculty. A meticulously structured performance appraisal system is in place to assess teaching faculty effectiveness and facilitate improvement. This system prioritizes fairness, transparency, and constructive feedback, promoting ongoing professional development and accountability. PEC's performance appraisal process encompasses a wide array of factors, including teaching quality, exam results, research contributions, administrative efficiency, academic enrichment, student feedback, and alignment with the institution's values. It incorporates self-assessment and evaluation by higher authorities, ensuring a comprehensive assessment of individual contributions

and their impact on the institution. To further enhance faculty well-being, PEC offers various welfare measures: Cash awards for exceptional academic performance. Subsidized membership fees for professional societies. Incentives for research paper publications. Sponsorship for workshops, seminars, and refresher courses. Support for part-time and full-time Ph.D. pursuits. Assistance for attending summer/winter schools and conferences. Free transport for all staff members. Special incentives for long-term service. Employee benefits such as EPF and ESI coverage. Fee concessions for employees' children. Group insurance coverage. Paid maternity leave and various types of leaves. These measures collectively create a supportive and growthoriented environment at PEC, empowering its faculty to excel professionally and personally.

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

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

67

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

9

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	*View File*
Upload any additional information	**No File Uploaded**

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.)

120

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	**No File Uploaded**

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Pragati Engineering College (PEC) maintains a well-defined and transparent accounting system. As per the requirements of departments and committees, quotations are called for and the potential supplier is identified and it is submitted to thepurchase committee for approval. The purchase committee takes all steps to procure necessary equipment and materials required for conducting academic and administrative activities during the financial year. After procuring the required equipment and materials, a comparison is made between the items received and purchase orders made to ensure whether the received items are satisfying with reference to price, quality and quantity. External Auditors are appointed by the Institution as per the statutory requirements. The External Auditor conducts audit in accordance with the Generally Accepted Accounting Policies, applicable Financial Reporting Framework, Statutory Provisions and Regulations, etc. External audit is conducted to ensure the authenticity of Institution's financial statements to enable users such as the Government agencies and other stakeholders gain more confidence in the Institution's activities. Auditors verify the

registers such as minutes of the Governing Body, student's fee register, cash book and counter files of receipts, vouchers etc. Thus, auditors confirm effectiveness of internal check of accounting, also certifies the financial position of the Institution. The finalized audit reports are available in the Institution's website.

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

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)

NIL

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

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

The institution has a well-defined approach to fund mobilization and resource optimization, ensuring efficient allocation for academic, administrative, infrastructure, R&D, and other endeavors. Financial resources are acquired through student fees, government grants, and diverse income streams. At the start of each fiscal year, a budget is crafted to facilitate academic and related activities, following a process involving departmental and institutional budget creation, subject to finance committee approval and college governing body sanction. Each department, via its Departmental Budget Committee, formulates a budget encompassing recurring and non-recurring expenses. The principal consolidates these departmental budgets to create the institutional budget, subject to finance committee approval. Income sources include tuition fees, hostel and mess fees, bus fees, interest earnings, government grants, and miscellaneous income. Funds are judiciously employed for purposes like

construction, academic infrastructure enhancement, library development, knowledge dissemination through lectures and workshops, sports and cultural activities promotion, research incentives, and lab setup. The finance committee meticulously allocates funds, optimizing their utilization for infrastructure, departments, library, and committees, ensuring effective financial management.

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

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)

Pragati Engineering College's Internal Quality Assurance Cell (IQAC) has been instrumental in elevating the quality of education. Through its strategic efforts, it has transformed PEC into an academic powerhouse, focusing on Outcome-Based Education (OBE) implementation and comprehensive student mentorship.OBE Implementation: IQAC spearheaded the adoption of OBE principles, aligning learning objectives with curriculum and assessments. This meticulous approach ensures that students' educational goals are met, resulting in improved educational outcomes. Continuous Assessment: Students are consistently evaluated through diverse methods, enabling timely adjustments to teaching approaches. Rubrics and constructive feedback guarantee fair and uniform evaluations, ensuring that learning outcomes are achieved. Feedback Collection: The IQAC regularly collects and analyzes feedback from students, alumni, and industry partners. This datadriven approach ensures that education remains aligned with evolving student and industry needs. Student Mentorship and Holistic Growth: The IQAC introduced a mentorship program, offering personalized support, goal-setting guidance, emotional assistance, and career insights. This holistic approach nurtures students academically, personally, and professionally, preparing them for diverse challenges. These initiatives have resulted in a noticeable enhancement in educational quality and institutional performance, as affirmed by feedback from stakeholders, including

students, faculty, and employers. Pragati Engineering College's IQAC has indeed been a catalyst for positive transformation in education.

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

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

Pragati Engineering College (PEC), a premier institution dedicated to providing high-quality engineering education, places a strong emphasis on continual self-assessment and improvement. PEC has established an Internal Quality Assurance Cell (IQAC) in alignment with accreditation standards to facilitate this endeavor. The IQAC plays a pivotal role in enhancing the overall quality of education at PEC. Comprising experienced faculty, administrators,and external experts, it devises and executes strategies for ongoing enhancements. One primary focus is the regular evaluation of the teaching-learning process, encompassing curriculum design, pedagogical approaches, classroom dynamics, student engagement, and faculty development. Stakeholder feedback is actively sought through surveys, which inform improvements to enrich the learning experience. Moreover, the IQAC scrutinizes the infrastructure, including laboratories, library resources, ICT facilities, and administrative support systems, to ensure alignment with contemporary educational needs. Learning outcomes are assessed through a variety of metrics, including examination results, project work, internships, and stakeholder input. This information helps pinpoint areas needing improvement, fostering a dynamic learning environment. The IQAC also champions faculty development, organizing workshops, seminars, and training programs to bolster pedagogical skills, subject expertise, and research capabilities. This commitment to faculty growth, combined with a student-centric approach, ensures that PEC remains a vanguard in engineering education, providing students with the tools and knowledge necessary for thriving in their professional journeys.

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

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	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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

Pragati Engineering College (PEC) has made substantial progress in promoting gender equity and inclusivity over the past five years. Recognizing the significance of providing equal opportunities for all, PEC initiated comprehensive gender sensitization programs for students, faculty, and staff. These programs aimed to address unconscious biases, challenge gender stereotypes, and foster a respectful and inclusive campus environment. Moreover, PEC prioritized representation and leadership by maintaining a balanced ratio of female students and faculty, with women actively participating in decision-making and leadership roles. Infrastructure enhancements, including well-lit pathways and CCTV

cameras, were implemented to ensure safety and security. The institution also introduced an online grievance system to promptly address any incidents of harassment or discrimination. PEC established a Women Empowerment and Grievances Cell to handle related issues and ensured female students' safety during bus travel. The college incentivized female students through special prizes, financial assistance programs, and awareness about government scholarships. In summary, Pragati Engineering College remains committed to its ongoing efforts to advance gender equity, engaging stakeholders, and implementing further measures to create an inclusive environment where all individuals can thrive, irrespective of their gender

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

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	No File Uploaded

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)

Pragati Engineering College (PEC) is committed to promote sustainable practices and environmental stewardship. As part of it, the institution has initiated various facilities for the management of degradable and non-degradable waste. These facilities aim to minimize the environmental impact of waste generated in the campus and inculcate a culture of waste reduction, recycling, and responsible waste management. Degradable Waste Management: PEC recognizes the importance of managing degradable waste effectively to reduce pollution and promote a healthier environment. The institution has established a composting system on campus. Organic waste from the canteen, and

kitchen areas is collected separately and processed in composting units. These units facilitate the decomposition of organic waste, turning it into nutrient-rich compost. The compost is then utilized for landscaping and maintaining green spaces on campus. Non-Degradable Waste Management: PEC recognizes that managing non-degradable waste, such as plastic, paper, and metal, is equally crucial to protect the environment. Recycling bins are conveniently placed across thecampus, making it easy for students and staff to dispose of their recyclable waste. PEC has established tie-ups with authorized recycling agencies to collect and process the recyclable waste. The collected materials are sorted, processed, and sent for recycling to be used in the manufacturing of new products. To further encourage recycling, PEC organizes awareness campaigns and workshops through NCC and NSS to educate the college community about the importance of waste segregation and recycling.

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	No File Uploaded

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	No File Uploaded

7.1.5 - Green campus initiatives include

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

B. Any 3 of the above

1. Restricted entry of automobiles

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

File Description	Documents
Geotagged photos / videos of the facilities	[View File]
Various policy documents / decisions circulated for implementation	[View File]
Any other relevant documents	No File Uploaded

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

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

B. Any 3 of the above

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	[View File]
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

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.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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).

Pragati Engineering College (PEC) is dedicated to fostering an inclusive environment that celebrates diversity in all its facets. Through cultural festivities, multilingualism, communal harmony initiatives, scholarships, awareness programs, and comprehensive support services, PEC endeavors to cultivate an atmosphere characterized by tolerance, unity, and respect. In doing so, PEC not only enhances its students' educational journey but also equips them to excel in a globalized world that values cultural diversity and cross-cultural understanding. PEC hosts a spectrum of cultural events and celebrations that highlight the rich diversity of its student community, encompassing traditional festivals, intercultural competitions, and exchange programs. By actively engaging students from diverse cultural backgrounds, PEC promotes understanding and appreciation of various traditions, fostering an environment of tolerance and harmony. PEC strongly advocates for communal harmony among its students and staff, regularly conducting workshops, seminars, and panel discussions addressing communal harmony, religious understanding, and social cohesion. By facilitating dialogue and providing platforms for open discussions, PEC encourages individuals to develop empathy, respect, and appreciation for different religious and communal beliefs.

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:

PEC equips its stakeholders with the knowledge and skills needed to become positive contributors to society by imparting an indepth understanding of democratic principles, ethical values, and social obligations. Through this holistic approach, PEC aims to nurture future leaders who will uphold constitutional ideals, champion inclusivity, and work towards a just and prosperous nation. PEC's commitment extends beyond academics, recognizing the pivotal role of value education in shaping individuals' character and ethical conduct. Through workshops, seminars, and discussions, students are sensitized to principles like integrity, respect, empathy, and inclusivity, woven into the curriculum for practical application in personal and professional lives. Moreover, PEC ensures that students and employees are well-versed in their rights as citizens through interactive sessions and guest lectures by legal experts. Simultaneously, the college underscores the importance of fulfilling responsibilities like respecting others' rights, taxation, and active participation in the democratic process. PEC actively promotes civic engagement and community welfare through volunteer programs, social initiatives, and community outreach, fostering empathy, compassion, and social responsibility. Ethical leadership is another vital facet emphasized by PEC through leadership development programs. Students and employeesare exposed to ethical dilemmas and trained to make morally sound decisions, emphasizing transparency, accountability, and integrity in leadership roles. Lastly, PEC maintains a safe and inclusive environment by conducting sensitization programs, promoting gender equality, respecting diversity, and preventing discrimination and harassment. By cultivating such an atmosphere, PEC empowers individuals to exercise their rights and fulfill their responsibilities without prejudice or fear.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

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	No File Uploaded
Any other relevant information	No File Uploaded

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

Pragati Engineering College is a reputed institution that takes pride in organizing and celebrating various national and international commemorative days, events, and festivals. The college believes that celebrating these events not only enhances the students' academic experience but also promotes their overall growth and development. Some of the national and international commemorative days celebrated by the college include National Science Day, International Women's Day, World Environment Day, International Yoga Day, and World Mental Health Day. The college organizes various activities, competitions, and seminars related

to these events to create awareness among the students. Apart from this, the college also celebrates various festivals such as Diwali, Christmas, Holi, and Eid with great enthusiasm. The students come together to organize cultural programs, traditional food stalls, and other festivities. These celebrations help students to understand and appreciate different cultures and promote a sense of unity and harmony among them. The college also organizes various sports events, technical fests, and cultural fests throughout the year, which provide a platform for students to showcase their skills and talents. These events are not only entertaining but also provide valuable opportunities for students to learn and grow. In conclusion, Pragati Engineering College's commitment to organizing and celebrating national and international commemorative days, events, and festivals is a testament to its dedication to promoting the holistic growth and development of its students.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	**No File Uploaded**
Geotagged photographs of some of the events	View File
Any other relevant information	**No File Uploaded**

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

Best Practice 1: Practical Implementation of Outcome-Based Education (OBE)

Objectives: Align teaching, learning, and assessment with specific learning outcomes; enhance student skills to meet industry standards; foster critical thinking and problem-solving.

Context: Shifting to OBE requires an adaptable framework. Pragati Engineering College focused on aligning curricula and assessments to industry needs and accreditation standards, promoting a student-centered learning environment.

Practice:

- **Curriculum Mapping:** Aligned program outcomes with course and specific learning outcomes based on industry needs.
- **Faculty Development:** Regular training on OBE concepts, assessment methods, and teaching strategies.
- **Evaluation Tools:** Developed assessment rubrics to measure skill attainment in critical thinking and practical skills.
- **Continuous Improvement:** Established a feedback loop for data-driven improvements.

Success: Improved academic performance, 80% placements in top companies, and positive employer feedback on job readiness.

Challenges & Resources: Resistance to change, need for dedicated faculty training, data analysis tools, and industry collaboration.

Best Practice 2: Quality Assurance in Teaching-Learning

Objectives: Ensure effective teaching, enhance faculty skills, integrate technology, and prepare students for industry readiness.

Context: With diverse learning needs, Pragati Engineering College focused on structured, quality-driven teaching-learning practices.

Practice:

- **Faculty Training:** Continuous development in teaching methodologies and technology use.
- **NPTEL & Eduskill:** Supplemented learning with industry-aligned courses.
- **Feedback:** Regular student feedback for improvement.
- **Mentorship:** Faculty mentors support students academically and personally.

Success: Increased placements, enhanced teaching effectiveness, and high engagement in NPTEL and Eduskill programs.

Challenges & Resources: Adapting to new tech, ensuring resource access, and providing ongoing training.

File Description	Documents
Best practices in the Institutional website	https://pragati.ac.in/naac/bestpractices/2022-23-best-practices/
Any other relevant information	Nil

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)

Pragati Engineering College has made remarkable strides in fostering a culture of self-learning among students, with a focus on career-readiness and technical expertise, making it a standout institution in this area. Recognizing the importance of independent learning and hands-on experience, the college actively promotes student participation in NPTEL (National Programme on Technology Enhanced Learning) courses and internships through AICTE Eduskill. This focus on self-learning has equipped students with critical industry skills, enabling them to stay ahead of the curve in a fast-evolving technological landscape.

Through rigorous NPTEL coursework, students gain deep theoretical knowledge, while Eduskill internships offer practical exposure that bridges the gap between academia and industry. These initiatives have translated into impressive placement outcomes, with Pragati Engineering College achieving an 80% on-campus placement rate and securing high-paying job offers for students. Companies are increasingly drawn to the college's graduates for their well-rounded technical abilities and proactive learning mindset, resulting in a significant increase in the number of job offers and salary packages over recent years. This dual emphasis on self-learning and industry-aligned training underscores the college's commitment to empowering students for successful careers and positions it as a leader in engineering education.

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.

Pragati Engineering College (PEC) is committed to delivering highquality education that aligns with the guidelines of AICTE, APSCHE, the affiliating university, and incorporates stakeholder feedback in pursuit of its mission and vision. The curriculum, thoughtfully designed, encompasses diverse facets of basic science, humanities, professional courses, and offers both core and elective options to ensure comprehensive education. PEC's departments align their vision and mission with ProgramEducational Objectives (PEOs) while structuring Program Outcomes (POs) and Program Specific Outcomes (PSOs) to emphasize domainspecific knowledge and skills in line with Course Outcomes (COs). These COs are shaped by revised Bloom's Taxonomy, encouraging critical thinking, analysis, and application. Curriculum design factors in reputed university syllabi, AICTE models, professional body outcomes, industry expertise, alumni input, and competitive exam syllabi. It undergoes scrutiny by the Department Advisory Committee (DAC), the Board of Studies (BOS), industry experts, alumni, and faculty members. Institutional autonomy enables agile revisions based on stakeholder input. In rural areas, curriculum adaptations prioritize soft skills, general aptitude, and technical proficiency. The introduction of Major, Minor, and Honors programs under regulation R20 allows specialization beyond disciplines. To enhance knowledge, students engage in MOOCs via NPTEL and mandatory internships, complemented by value-added courses for industry readiness. The curriculum integrates local and global issues, notably the Community Service Project (CSP), where students tackle local challenges with sustainable, environmentally conscious solutions, ensuring a forward-looking, holistic Education

File Description	Documents
Upload additional information, if any	**No File Uploaded**
Link for additional information	**Nil**

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

09

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	[View File](#)
Details of syllabus revision during the year	[View File](#)
Any additional information	**No File Uploaded**

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

689

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

286

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	**No File Uploaded**
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

09

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	**No File Uploaded**
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

Pragati Engineering College (PEC) is dedicated to infusing crosscutting educational themes into its curriculum, aligning with the Sustainable Development Goals (SDGs) and the National Education Policy - 2020 (NEP-2020). PEC places strong emphasis on professional ethics, integrating ethical decision-making, integrity, and responsibility into the education of future engineers. The 'Professional Ethics and Human Values' course is mandatory for all engineering branches. The college actively promotes gender equality, organizing discussions and case studies to raise awareness about gender issues and foster inclusivity.PEC recognizes the importance of instilling human values in students, introducing 'Universal Human Values-II Understanding Harmony' to cultivate empathy and social responsibility. Recognizing the urgent need to address environmental challenges, PEC integrates environmental education and sustainability practices into its curriculum. The Institution emphasizes the importance of sustainable development, resource conservation, and environmental stewardship. Students are exposed to topics such as climate change, renewable energy, waste management, and sustainable

engineering solutions. Students develop the knowledge and skills necessary to contribute to a greener and more sustainable future. Through the courses like'Environmental Science', 'Renewable Energy Engineering', 'Disaster Management', 'Sustainable Energy Technologies',Water Resource Engineering' which) have been added to the curriculum. Moreover, PEC incorporates SDG-related topics, fostering an understanding of social, economic, and environmental interdependencies. The institution adheres to NEP-2020 principles, offering learner-centric, interdisciplinary education to produce graduates equipped with holistic knowledge, social consciousness, and adaptability for a dynamic world.

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

59

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	No File Uploaded

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

322

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

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

`3106`

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	**No File Uploaded**

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	**B. Any 3 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	https://pragati.ac.in/feedback/feedback-on-curriculum/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	**No File Uploaded**

1.4.2 - The feedback system of the Institution comprises the following	**B. Feedback collected, analysed and action taken**

File Description	Documents
Provide URL for stakeholders' feedback report	https://pragati.ac.in/feedback/feedback-on-curriculum/
Any additional information	**No File Uploaded**

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

1324

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)

478

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.

Pragati Engineering College (PEC) recognizes the transformative power of education, acknowledging that each student possesses unique learning abilities. To cater to these diverse needs, PEC has implemented a comprehensive assessment system and tailored support programs. Assessment for Learning: PEC prioritizes ongoing assessment to gauge students' learning levels. Continuous assessment practices enable teachers to identify individual strengths, weaknesses, and areas needing attention, ensuring personalized guidance. Diagnostic Assessments: Understanding that many students come from rural backgrounds, PEC utilizes tests, formative evaluations, and continuous internal assessments to gain insights into students' learning profiles. These assessments help identify learning difficulties, knowledge gaps, and potential barriers to academic progress. The assessment comprises Internal Evaluation (50% weightage), External Evaluation (25% weightage for students with more than three backlogs), and Classroom Performance (25% weightage). Students are categorized as advanced or slow learners at the beginning of their coursework. Support for Slow Learners: Slow learners are identified based on class attendance, participation, and test performance.

Subject teachers conduct makeup and remedial classes throughout the semester. Faculty counselors monitor their progress, providing guidance on attending classes and additional support. Support for Advanced Learners: Bright students are identified based on active participation, questioning ability, and exam performance. They receive academic guidance to participate in inter-institute competitions, gain awareness of project management techniques, and complete online courses like NPTEL/SWAYAM and COURSERA. Academic toppers are recognized with certificates and prizes, while outstanding graduates receive gold medals annually.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/08/2022	4830	239

File Description	Documents
Upload any additional information	No File Uploaded

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:

Pragati Engineering College (PEC) is committed to providing a comprehensive and engaging learning experience to its students. The college employs student-centric approaches, including experiential learning, participative learning, and problem-solving methodologies, to enrich the educational process. Furthermore, PEC harnesses the power of Information and Communication Technology (ICT) tools and online resources to optimize teaching and learning. Experiential Learning:At PEC, experiential learning takes center stage, emphasizing hands-on experiences that encourage active student involvement. Practical sessions, lab work, and projectbased learning allow students to apply theoretical knowledge in real-world contexts.

This approach nurtures critical thinking, problem-solving, and teamwork skills while deepening their understanding of the subject matter. Participative Learning:PEC champions participative learning, where students become active participants rather than passive recipients of information. Interactive classroom discussions, group activities, and peer-to-peer learning foster communication skills, broaden subject comprehension, and boost motivation. Problem-Solving Methodologies:The college integrates problemsolving methodologies into its curriculum through Industry 4.0 Clubs. Students tackle complex challenges through case studies, simulations, and demanding assignments, cultivating creativity, analytical thinking, and decision-making abilities. ICT-Enabled Tools and Online Resources:PEC recognizes the importance of ICT in education and employs various digital tools. These resources, including e-books, research materials, multimedia presentations, and online platforms, enrich learning experiences, facilitate interactive teaching, and accommodate individual learning preferences. They empower students to explore topics at their own pace, ensuring they are well-prepared for future careers in a digitalized world.

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

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

In an increasingly digital world, PEC recognizes the importance of integrating Information and Communication Technology (ICT) into the teaching and learning process. The college employs a variety of ICT-enabled tools, including online resources, to enhance the effectiveness of education delivery. These tools provide students with access to a vast array of learning materials, including ebooks, research articles, interactive modules, and multimedia presentations. By leveraging online resources, students can supplement their classroom learning, explore topics in depth, and stay updated with the latest developments in their field of study. The use of ICT tools also enables teachers to deliver content in a more engaging and interactive manner. Through multimedia presentations, simulations, and virtual experiments, complex concepts can be

visualized and understood more effectively. Online platforms and learning management systems facilitate communication and collaboration between students and teachers, allowing for seamless exchange of information, assignment submissions and feedback. Moreover, ICT tools provide students with the flexibility to learn at their own pace, catering to individual learning styles and preferences.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
Upload any additional information	No File Uploaded

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

2.3.3.1 - Number of mentors

223

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

Academic Calendar Development: PEC recognizes the value of a meticulously crafted academic calendar. The Principal, in collaboration with department heads and the Examination Section, meticulously constructs a comprehensive academic calendar. This calendar encompasses essential details like semester commencement and closure, total working days, syllabus coverage goals, exam timetables, and the observance of significant dates and national holidays. Key Components of the Academic Calendar: 1. Semester Dates: PEC's academic calendar clearly delineates the start and end dates of each semester, offering students and faculty a precise understanding of term duration. 2. Class Schedules: It furnishes a well-defined class timetable, specifying course timings and durations, aiding students in managing study time and helping faculty allocate

ample teaching and assessment time. 3. Exam Schedules: The calendar includes deadlines forassignments, class tests, internal and external assessments (mid-semester and semester-end exams), providing students with ample preparation time. 4. Co-curricular and Extra-curricular Activities: It incorporates dates for workshops, seminars, guest lectures, and other enrichment activities, ensuring a balanced educational experience. Teaching Plans Development: 1. Course Objectives: Clearly defined learning objectives and outcomes, guiding students towards course completion goals. 2. Course Content and Resources: Outlines of course content and the required resources, including textbooks and online materials, ensuring instructors have the necessary tools for effective teaching. 3. Instructional Strategies: Identification of engagement techniques such as lectures, group discussions, case studies, experiments, or multimedia presentations to enhance student comprehension. 4. Assessment Methods: Specification of evaluation methods like quizzes, assignments, projects, presentations, and exams aligned with course objectives.

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

239

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	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

13

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	No File Uploaded

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

7

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

33.5

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

81

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	No File Uploaded

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

The implementation of ICT and examination process reforms, including Continuous Internal Assessment (CIA), has significantly improved the Examination Management System (EMS) at Pragati Engineering College. Leveraging IT tools and software, the college has digitized the entire examination process, eliminating manual paperwork and reducing errors. This transformation benefits both students and faculty. Several key reforms have positively impacted examination management:

1. Centralized organization of internal assessment tests and end-semester examination seating arrangements and invigilation duties.

2. Faculty submission of two sets of question papers for midexaminations, with one set chosen on the exam day.

3. Selection of paper setters from premier institutes, followed by review by senior faculty.

4. Implementation of Continuous Internal Assessment as per curriculum requirements.

5. High-end server with firewall security for the examination cell.

6. Automation of pre and post-examination processes using technology tools.

7. CCTV surveillance for monitoring examination activities.

8. Automatic data backup for examination data security. The EMS, enabled by IT and the BEES software, allows students to access their results and certificates. OMR scanning tools

facilitate result input, and MS Office is used for creating examination notifications and schedules on pre-installed PCs in the exam branch.

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

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

Pragati Engineering College (PEC) recognizes the importance of clearly defined learning outcomes, program outcomes, course outcomes, and graduate attributes. These outcomes and attributes are integrated into the assessment process and are widely publicized through the college's website and other documents. . The college ensures that these outcomes are communicated effectively to all stakeholders, including students, faculty, parents, and prospective employers. The faculty in each of their classes addresses on these COs and their interrelationship with PO/PSOs. In the beginning of each unit of every course handled by the faculty, the COs are emphasized in the class room for the students. By this exercise, the students completely understand the concepts and try to enhancethe cognitive skills of the course under consideration. The COs, POs/PSOs, PEOs are displayed in class rooms, laboratories, corridors and other mediums such as Website: The syllabus of all programs offered by the department is uploaded on the college website which includes the COs and CO-PO mapping of various courses of the curriculum. Course handout: The course handouts of every program include Vision-Mission, PEOs, POs, PSOs of the Program offered by the department and COs of various courses of the Curriculum Department Notice Boards Student Induction Programs Meetings/Interactions with employers Faculty meetings Alumni meetings During regular interactions with the students, the HODs, course coordinators, course teachers, mentors create awareness to the students on POs, PSOs and COs and emphasize the need to attain the outcomes

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	[View File]()
Upload any additional information	No File Uploaded
Link for additional Information	Nil

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

The process of evaluating the attainment of these outcomes involves several key steps. First, PEC establishes a comprehensive framework that defines the desired learning outcomes for each program and course.The faculty, course coordinators, and programme coordinator prepare COs and map them with POs and PSOs employing numeric weightages. The BOS, including the Head of the Department and course coordinator, of the individual departments will discuss the same and approve it . The preparation of COs is done with brain-storming sessions such that the objectives of each course are translated at the end in the form of outcomes. Bloom's taxonomy is used while formulatingthe outcomes. COs are direct statements that describe the essential and enduring disciplinary knowledge and abilities that students should possess and the depth of learning that is expected upon completion of a course. They are clearly specified and communicated. The COs are prepared by the course coordinator in consultation with concerned faculty members teaching the same course. Every CO is mapped to one or more POs and is measured at the end of the course through various assessments. These are designed specifically to measure the CO and contribute to the PO that it is mapped to. The number of COs for a course may range from three to six. CO assessment process is done based on the performance of the student using Direct methods (Mid Examinations, Assignments, Semester End Examinations) and Indirect method (Course End Feed Back).

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

1043

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	**Nil**

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://pragati.ac.in/naac/feedback-analysis/student-satisfaction-survey-reports/

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

To support cutting-edge research, PEC continually updates its research infrastructure and implements a well-defined research promotion policy. The departments of Electrical and Electronics Engineering (EEE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Computer Science and Engineering (CSE), and Chemistry have earned recognition as research centers from JNTUK, Kakinada. Research Facilities: PEC boasts an impressive array of research facilities, fostering multidisciplinary collaboration and offering state-of-the-art laboratories, equipment, and infrastructure. These resources cover a wide spectrum of engineering disciplines, including Civil, Mechanical, Electrical, Electronics, Computer Science, and Information Technology.Furthermore, PEC's R&D laboratories have gained recognition through participation in national-level

sponsored programs like BRNS, BARC, UGC, and DST under the Ministry of Science and Technology. Policy for Promotion of Research: PEC acknowledges the importance of a well-defined research promotion policy and provides clear guidelines accessible on the institutional website. This policy emphasizes research collaborations, both internal and external, encouraging faculty to engage with experts from industry, academia, and research organizations. The Institute's Research Committee and Ethics Committee actively monitor research progress Institute Initiatives to Promote Research Activities:

1. Monetary incentives for paper publications in national/international journals with Impact Factors, rewarding the first and second authors.

2. Support for paper publications in international conferences, including financial assistance for travel and registrationfees.

3. Seed funding for faculty research and career advancement.

4. Faculty development opportunities, including workshops, seminars, and conferences.

5. Establishment of centers of excellence, innovative labs, and incubation centers.

6. Special incentives for faculty pursuing part-time higher education (Ph.D.).

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	Nil
Any additional information	No File Uploaded

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)

NIL

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	No File Uploaded
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

4

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)

82.51

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	**No File Uploaded**
Any additional information	**No File Uploaded**

3.2.2 - Number of teachers having research projects during the year

4

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	**Nil**
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

13

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	**No File Uploaded**
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

2

File Description	Documents
Supporting document from Funding Agencies	[View File](#)
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

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.

Pragati Engineering College (PEC) has established an Institution's Innovation Council (IIC) in collaboration with MHRD/MoE/AICTE, Government of India, aligning with the primary objective of MoE's Innovation Cell (MIC) to inspire and guide young students in their formative years, fostering a culture of innovation and entrepreneurship. PEC actively conducts a multitude of online and offline programs, adhering to MIC and Entrepreneurship Innovation and Startup Center (EISC)/APSCHE guidelines, to cultivate an environment that promotes innovation and entrepreneurship among both faculty and students. Recognizing the critical importance of Intellectual Property Rights (IPR), PEC consistently educates its academic community through workshops, seminars, and training programs on various forms of intellectual property, such as patents, copyrights, trademarks, and trade secrets. An IPR Course has been integrated into the syllabus.In 2019-20, PEC established the IIC to provide comprehensive support and guidance on innovation, research, incubation, and IPRrelated matters. The IIC engages faculty and students in various innovation and entrepreneurship activities, including problem solving, ideation, concept development, design thinking, prototype management, and startup mentoring, fostering an innovation and entrepreneurship culture. With dedicated Research and Development (R&D) facilities, PEC encourages research across multiple departments and has been recognized as a research center by JNTUK, Kakinada, in departments like EEE, ME, ECE, CSE, and Chemistry. The institution actively engages in consultancy services, interdisciplinary research, and industry-academia collaborations to promote the creation and transfer of knowledge and technology, resulting in innovative solutions with significant societal impact

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

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

13

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	**B. Any 3 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	**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

10

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

162

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	**No File Uploaded**

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

12

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

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

20

File Description	Documents
Any additional information	**No File Uploaded**
Bibliometrics of the publications during the year	**No File Uploaded**

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

6

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	**No File Uploaded**
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)

4.1

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<u>View File</u>
List of consultants and revenue generated by them	**No File Uploaded**
Any additional information	**No File Uploaded**

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

NIL

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

Pragati Engineering College (PEC) is committed to foster holistic development among its students by actively engaging them in extension activities within the neighbourhood community. The college has NCC, NSS Units, Rotaract Club, Hope for a Change Club, Mahatma Gandhi National Council for Rural Education (MGNCRE) Clubs such as Greenery, Energy Management, Water Management, Waste Management and Sanitation & Hygiene which conducts activities catering to the needs of local villages and conduct various awareness campaigns. These activities have not only made a positive impact on the community, but also sensitize the students to various social issues. For A.Y 2022-23the college's extensionactivities have achieved remarkable outcomes and received notable awards, showcasing their dedication to creating a positive change in society. The Institute organizes the following community extension activities on a regular basis. Blood donation camps. Tree plantation program in the college,surrounding villages and nearby areas. Assistance to orphanages and old age homes, such as the distribution of groceries, clothing, andhousehold items. Assistance to Government Schools by distributing furniture, computers, etc. Distribution of Blankets for needy people at locations across Kakinada Clean and green initiative and spreading awareness on environment by distribution of eco-friendlyGanesh idols Beach cleaning and nature conservation programs in Kakinada Health run, Heart, Cancer, and other

awareness rallies and marathons have been organized byaddressing community issues

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

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

NIL

File Description	Documents
Number of awards for extension activities in during the year	**No File Uploaded**
e-copy of the award letters	**No File Uploaded**
Any additional information	**No File Uploaded**

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)

27

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

2138

File Description	Documents
Reports of the events	[View File](#)
Any additional information	**No File Uploaded**

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

4389

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)

8

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	**No File Uploaded**
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	[View File](#)
Any additional information	**No File Uploaded**

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 provides a tranquil academic ambience sprawling in a 25-acre lush green campus with a plinth area of 31,263.62 Sq. Mtrs. .At Pragati Engineering College (PEC), utmost importance is given to the teaching-learning process. The Institution boasts state-of-the-art classrooms equipped with modern amenities to facilitate effective learning.The classrooms are spacious, wellventilated, and furnished with comfortable seating arrangements, providing students with a conducive environment for learning.The institution also maintains well-equipped laboratories for various disciplines, enabling students to gain hands-on practical knowledge and develop their

skills.

- With four academic blocks housing ,The Institute has sufficient 70 classrooms with furniture as per AICTE norms for accomplishing academic activities.
- All classrooms are equipped with adequate lighting and well ventilation, LCD Projectors , Wi-Fi, Fans, Lights, and Glass board.
- 2 seminar halls, 1 conference hall, and 1 mini conference hall are equipped with LCD Projector with white board facility, Wi-Fi, Audio and Video facilities for guest lectures, conferences, FDPs. Each seminar hall has a seating capacity of 200.
- 2 drawings halls, 1 workshop, and 61 laboratories are provided with necessary equipment conforming to the syllabi.
- All laboratories are equipped with state-of-the-art technologies. Each laboratory is provided with necessary display boards and adequate safety measures.
- Central Library is provided with an area of 2797.96 Sq. Mtrs., has a seating capacity of 300. The digital library is equipped with 25 PCs connected with Wi-Fi. Video Conferencing Room is equipped with LCD Projector, WiFi, Audio and Video facilities for effective Teaching learning process.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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 college provides a comprehensive range of facilities to its students, including those related to cultural activities, yoga, sports, and games. The college has a well-equipped gymnasium that allows students to engage in physical activities and maintain a healthy lifestyle. The gymnasium is equipped with modern fitness equipment and is open to students throughout the day. Additionally, the college has a dedicated yoga centre where students can practice yoga and meditation to improve their mental and physical well-being. The college also places a great emphasis on cultural activities and has an auditorium

where various cultural events, seminars, and workshops are held throughout the year. This provides students with the opportunity to showcase their talents and skills and to develop their interpersonal skills by participating in cultural activities. The college has also made significant investments in sports facilities. The campus has a vast sports ground where students can engage in a variety of outdoor sports such as cricket, football, volleyball, and athletics. The college also has indoor sports facilities for games like table tennis, chess, and carrom. Overall, the facilities provided by Pragati Engineering College for cultural activities, yoga, sports, and games are exceptional. These facilities play a significant role in shaping the overall personality of students and help them develop skills beyond academics

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

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

48

File Description	Documents
Upload any additional information	No File Uploaded
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)

867.23

File Description	Documents
Upload audited utilization statements	**No File Uploaded**
Details of Expenditure, excluding salary, during the years	View File
Any additional information	**No File Uploaded**

4.2 - Library as a Learning Resource

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

Pragati Engineering College (PEC) has embraced this transformation by implementing an advanced Integrated Library Management System (ILMS) in its central library. This innovative system, complemented by extensive subscriptions to e-resources and journals, has revolutionized the library's utility for the college community. The college's central library, spanning 2797.96 square feet across two floors, offers a modern, well-ventilated space with seating for 300 users. It houses various facilities such as book circulation, newspapers, digital resources, and more. The ILMS, powered by KOHA software, has streamlined library operations, including cataloging, acquisitions, circulation, and inventory management. It maintains a comprehensive database of available resources, simplifying access for users. A significant focus of PEC's library enhancement is the integration of digital resources. The college has expanded its collection, particularly in emerging areas of BTech programs in CSE. Subscriptions to e-resources and journals provide access to adiverse range of scholarly materials. This digital environment enhances the learning experience and encourages research and innovation. Library staff play a crucial role in assisting users, and an online platform offers convenient access to digital resources and physical material requests. These initiatives have led to increased library engagement among both faculty and students, serving as a hub for academic discourse, research collaboration, and knowledge sharing. Faculty benefit from access to scholarly journals to enrich their teaching, while students can explore resources to expand their knowledge and critical thinking skills.

01-11-2024 03:35:52

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

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	**B. Any 3 of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	[View File](#)
Upload any additional information	**No File Uploaded**

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

13.29

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

1050

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

Pragati Engineering College (PEC) recognizes this significance and is dedicated to providing cutting-edge IT facilities and robust internet connectivity. PEC consistently upgrades its IT infrastructure to keep pace with the ever-evolving technological landscape, promoting critical thinking skills among its stakeholders. Modern IT infrastructure is crucial for researchers, offering access to extensive resources, databases, and simulations. Highspeed internet and advanced software tools are indispensable for experiments, data analysis, and simulations. PEC ensures ample bandwidth, with two leased internet lines: one from BSNL with dual 150 Mbps lines and another from City Broadband with 40 Mbps. The entire college campus, including areas like the canteen, library, seminar halls, and training and placement cell, is Wi-Fi enabled. PEC places a high priority on regular IT facility upgrades to meet evolving needs. The institution invests in the latest hardware, software, and networking equipment, covering computer labs, servers, networking infrastructure, and multimedia facilities. The Main Computer Center houses multiple servers, including Windows,Ubuntu, CAD/CAE, and Oracle database servers. The Internet Gateway consists of essential components such as a Web Server, Fortinet FG – 201E – BDL, CISCO manageable switches, and more, ensuring a robust LAN. To optimize connectivity and ensure uninterrupted services, PEC maintains an efficient network infrastructure employing industrystandard equipment like routers, switches, and firewalls, ensuring data security and reliability. Routine network monitoring and maintenance are conducted to promptly address issues and maintain optimal performance, with FortiGate being annually renewed within the Campus Network.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4830	**1057**

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. ?50 Mbps

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

A. All four of the above

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

1028.28

File Description	Documents
Audited statements of accounts	**No File Uploaded**
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.

The college has implemented comprehensive systems and procedures to optimize the use and upkeep of these facilities, contributing significantly to student growth and success. Laboratories: PEC boasts state-of-the-art laboratories equipped with cutting-edge tools, equipment, and technologies serving various disciplines, including CE, EEE, ME, ECE, CSE, CSE emerging programs, IT, and Basic Sciences and Humanities. The college ensures regular maintenance and repair of equipment to ensure smooth functioning. Library: PEC's library is a treasure trove of knowledge, offering an extensive collection of books, journals, research papers, and online resources. The college maintains efficient library procedures, managed by a dedicated staff team, ensuring organized access to resources, cataloging, borrowing, and digital subscriptions. The library also provides study spaces and digital access to enhance the learning experience. Sports Complex: Recognizing the importance of physical fitness andsports, PEC offers indoor facilities like chess, carroms, and table tennis, along with a gymnasium. The college also has an expansive sports ground for cricket, volleyball, basketball, badminton, and athletics. Computers: PEC understands the significance of computer facilities in education and maintains computer labs with hardware and software support for academic programs. IT professionals manage software installation, updates, troubleshooting, and network maintenance. Classrooms: PEC ensures well-maintained classrooms with essential teaching aids like projectors, boards, and audio-visual equipment. Regular maintenance of furniture, lighting, and ventilation creates a comfortable learning environment. The college promotes interactive teaching methods to engage students effectively.

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

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

2982

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	[View File](#)
Upload any additional information	**No File Uploaded**

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

264

File Description	Documents
Upload any additional information	**No File Uploaded**
Institutional data in prescribed format	[View File](#)

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

File Description	Documents
Link to Institutional website	**Nil**
Details of capability development and schemes	[View File](#)
Any additional information	**No File Uploaded**

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

962

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	[View File](#)

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

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	[View File](#)
Details of student grievances including sexual harassment and ragging cases	**No File Uploaded**
Upload any additional information	**No File Uploaded**

5.2 - Student Progression

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

722

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	**No File Uploaded**

5.2.2 - Number of outgoing students progressing to higher education

17

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	**No File Uploaded**

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

30

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	**No File Uploaded**

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

18

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

The Student Association, present in each department, comprises class representatives (CRs) and girl representatives (GRs) who act as a liaison between students, faculty, and the college administration. They engage in open dialogues with students, effectively conveying their viewpoints to college authorities, which include the student counsellor, class teacher, subject teacher, course coordinator, HOD, Deans, Vice Principal, Principal, Director, and Management. This proactive approach facilitates transparent communication of student feedback, suggestions, and grievances. Additionally, the Student Association collaborates with the administration to organize extracurricular activities, cultural events, and community service initiatives. Recognizing the value of student input, PEC ensures student representation on various academic and administrative bodies/committees such as IQAC, Anti Ragging Committee, IIC, Library Committee, Discipline Committee, Cultural Committee, and student clubs.

These representatives contribute to decision-making related to library resources, disciplinary matters, and more, enriching the overall process and making students active stakeholders in their educational journey.

The impact of student representation at PEC extends to:

1. Student Empowerment: Empowering students to take ownership of their education and campus life, fostering confidence and leadership skills.
2. Effective Communication Channel: Enhancing interactions between students, faculty, and administration through various college-level committees.
3. Holistic Development: Organizing diverse extracurricular activities, events, and initiatives that help students explore interests, develop skills, and build networks for overall growth.
4. Inclusive Decision-making: Ensuring well-rounded and studentcentric policies and practices through active

student participation.

5. Enhanced Learning Environment: Creating a more inclusive and supportive learning environment, positively impacting student engagement, satisfaction, and academic performance.

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

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

4

File Description	Documents
Report of the event	**No File Uploaded**
List of sports and cultural events / competitions organised per year	<u>View File</u>
Upload any additional information	**No File Uploaded**

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

Pragati Engineering College (PEC) takes pride in nurturing graduates who have emerged as successful professionals across various domains, collectively known as alumni, playing a pivotal role in the institution's progress.

Their contributions and engagement are invaluable assets that propel PEC to new heights.

1. Strengthening Academic Programs: PEC leverages the extensive industry expertise and knowledge of its alumni in curriculum development and revisions, ensuring program relevance and alignment with industry trends. Alumni conduct guest lectures, workshops, and seminars, sharing practical experiences and industry-specific skills, inspiring student excellence.
2. Mentoring and Career Guidance: Beyond academics, alumni

guide and mentor current students, offering insights into the job market, career advancement tips, and assistance in transitioning from academia to the professional world. Alumni interactions grant access to industry connections and career advice.

3. Industry Collaboration and Placement Support: PEC's alumni network acts as a bridge between the institution and the professional world. They collaborate with the placement cell, sharing job openings, facilitating internships, and participating in campus recruitment drives, enhancing students' employability.

4. Financial Support and Infrastructure Development: Alumni generously provide financial aid, funding scholarships and infrastructure development. Their endowments create opportunities for deserving, financially constrained students. Alumni contributions enable investments in state-of-the-art facilities.

5. Alumni Networks and Community Building: PEC fosters alumni connections through an exclusive portal, encouraging peer and faculty interaction, knowledge sharing, and professional development. Online and offline alumni events strengthen the sense of community.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://pragati.ac.in/alumni-events/

5.4.2 - Alumni's financial contribution during the year	D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

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

Pragati Engineering College (PEC), renowned for its dedication to engineering education excellence, exhibits exemplary institutional governance and leadership practices that are in

perfect alignment with its vision and mission. The college's management, in tandem with the Principal, ensures that policy statements and action plans are fully congruent with the institute's overarching vision and mission, and these are effectively communicated to all stakeholders. The Principal collaborates with the College Academic Committee, comprised of esteemed members including the Vice Principal, Deans, Controller of Examination, HODs, and senior faculty, to develop comprehensive action plans. These plans are subsequently executed by specialized functional committees, with regular reviews conducted by the Principal. PEC's impressive progress across diverse domains is presented during meetings of the Academic Council and the Governing Body, the apex authority, where member feedback drives a continuous improvement cycle. Vision: To emerge as a Premier Institution for Technical Education in the country through Academic Excellence and to be recognized as a Center for Excellence in Research & Development, catering to the needs of our country. Mission: To realize a strong Institution by consistently maintaining Stateof-art-infrastructure and building a cohesive, World Class Teamand provide need based Technical Education, Research and Development through enhanced Industry Interaction. The Institutional Quality Assurance Cell (IQAC) at PEC formulates short-term and long-term Institutional Perspective Plans, delineating strategic objectives, goals, and action steps to realize the institution's aspirations.

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

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

PEC adopts a decentralized and participatory management approach to excel in both academic and administrative endeavors. Faculty, staff, and students actively engage in the governance process, fostering a culture of ownership and accountability. A wellstructured organizational framework, comprising various bodies and committees, efficiently manages different functions in harmony with the institution's vision and mission. The Principal serves as the academic and administrative head, with HODs overseeing departmental

administration. Moreover, students and staff actively contribute ideas for continuous improvement through formal and informal feedback mechanisms, including suggestion boxes in each department. The availability of a clear hierarchy, defined roles, and responsibilities ensures smooth functioning and enhances the overall effectiveness of the institutional bodies. The administrative staff members are well-trained and equipped with the necessary skills to handle administrative tasks efficiently. Several committees are identified for the efficient operation of college activities. Each committee has a convener who organizes the meetings at regular intervals with the faculty and students who are the members of the committee. The Principal and IQAC review the functioning of various committees from time to time To ensure the effectiveness of the institutional bodies, PEC has established a robust monitoring and evaluation mechanism. Regular assessments are conducted to gauge the performance and identifyareas for improvement. Feedback from faculty, students and other stakeholders is actively sought and utilized to refine policies, procedures, and administrative practices. This continuous monitoring and evaluation framework contributes to the Institution's ability to adapt and respond to emerging challenges and opportunities.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File](#)
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

Pragati Engineering College has developed and implemented a comprehensive strategic/perspective plan to achieve its institutional objectives. The plan encompasses the college's mission, vision, values, and goals, and is designed to ensure that the institution remains responsive to the needs of its students, faculty, and community. The plan's primary focus is on enhancing the quality of education and research, promoting academic excellence, and providing students with the necessary

skills and knowledge to succeed intheir chosen careers. The plan outlines strategies for improving the quality of teaching and learning, enhancing research and innovation, strengthening industry partnerships, and promoting social responsibility. To achieve its goals, the college has invested in state-of-the-art infrastructure and facilities, recruited highly qualified and experienced faculty members, and developed innovative teaching methodologies. The institution has also established partnerships with industry leaders to provide students with hands-on learning opportunities and practical experience. The plan has been successfully implemented, resulting in significant improvements in the quality of education and research at the college. The institution has received numerous awards and accolades for its academic excellence and has become a preferred destination for students seeking quality education in engineering and technology. In conclusion,Pragati Engineering College's strategic/perspective plan has been clearly articulated and implemented, resulting in significant improvements in the quality of education and research. The college's commitment to academic excellence, innovation, and social responsibility has positioned it as a leader in the field of engineering and technology education.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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.

Pragati Engineering College (PEC) operates within a well-defined organizational framework that governs its various facets. Oversight of administrative procedures, co-curricular programs, and outreach initiatives rests with the College Administration, directed and monitored by the Governing Body. The Academic Council (AC) handles academic matters and suggests improvements, while the Finance Committee prepares annual budget proposals. Principal plays a crucial role in executing administrative, academic, co-curricular, and extracurricular activities through delegation. The IQAC works toward enhancing academic and administrative performance. At the departmental

level, department heads manage academic and administrative activities, and faculty oversee students' development, participating in committees. Numerous committees facilitate college activities, with regular meetings and reviews by the Principal and IQAC. PEC is committed to implementing policies and guidelines governing its operations, from research and IT policies to examination reforms and anti-ragging measures. These policies foster transparency and accountability. The college's streamlined administrative setup ensures effectivecoordination and communication, with a focus on qualified recruitment adhering to merit-based principles. Comprehensive service rules and procedures govern employee conduct, including recruitment, promotion, leave, incentives, and retirement policies. A robust monitoring and evaluation mechanism, incorporating feedback from stakeholders, enables PEC to continuously refine its policies, procedures, and administrative practices, ensuring adaptability and responsiveness to evolving challenges and opportunities.

File Description	Documents
Paste link to Organogram on the institution webpage	https://pragati.ac.in/about-us/organizational-chart/
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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) 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	No File Uploaded

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

Pragati Engineering College (PEC) has instituted a comprehensive approach to faculty support and career development, emphasizing performance appraisal, welfare measures, and professional growth opportunities. These initiatives underscore PEC's dedication to nurturing a positive work environment that fosters the well-beingand advancement of its faculty. A meticulously structured performance appraisal system is in place to assess teaching faculty effectiveness and facilitate improvement. This system prioritizes fairness, transparency, and constructive feedback, promoting ongoing professional development and accountability. PEC's performance appraisal process encompasses a wide array of factors, including teaching quality, exam results, research contributions, administrative efficiency, academic enrichment, student feedback, and alignment with the institution's values. It incorporates self-assessment and evaluation by higher authorities, ensuring a comprehensive assessment of individual contributions and their impact on the institution. To further enhance faculty well-being, PEC offers various welfare measures: Cash awards for exceptional academic performance. Subsidized membership fees for professional societies. Incentives for research paper publications. Sponsorship for workshops, seminars, and refresher courses. Support for part-time and full-time Ph.D. pursuits. Assistance for attending summer/winter schools and conferences. Free transport for all staff members. Special incentives for long-term service. Employee benefits such as EPF and ESI coverage. Fee concessions for employees' children. Group insurance coverage. Paid maternity leave and various types of leaves. These measures collectively create a supportive and growthoriented environment at PEC, empowering its faculty to excel professionally and personally.

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

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

67

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

9

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	**No File Uploaded**

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.)

120

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	**No File Uploaded**

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Pragati Engineering College (PEC) maintains a well-defined and transparent accounting system. As per the requirements of departments and committees, quotations are called for and the potential supplier is identified and it is submitted to thepurchase committee for approval. The purchase committee takes all steps to procure necessary equipment and materials required for conducting academic and administrative activities during the financial year. After procuring the required equipment and materials, a comparison is made between the items received and purchase orders made to ensure whether the received items are satisfying with reference to price, quality and quantity. External Auditors are appointed by the Institution as per the statutory requirements. The External Auditor conducts audit in accordance with the Generally Accepted Accounting Policies, applicable Financial Reporting Framework, Statutory Provisions and Regulations, etc. External audit is conducted to ensure the authenticity of Institution's financial statements to enable users such as the Government agencies and other stakeholders gain more confidence in the Institution's activities. Auditors verify the registers such as minutes of the Governing Body, student's fee register, cash book and counter files of receipts, vouchers etc. Thus, auditors confirm effectiveness of internal check of accounting, also certifies the financial position of the Institution. The finalized audit reports are available in the Institution's website.

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

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)

NIL

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	**No File Uploaded**
Any additional information	**No File Uploaded**

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

The institution has a well-defined approach to fund mobilization and resource optimization, ensuring efficient allocation for academic, administrative, infrastructure, R&D, and other endeavors. Financial resources are acquired through student fees, government grants, and diverse income streams. At the start of each fiscal year, a budget is crafted to facilitate academic and related activities, following a process involving departmental and institutional budget creation, subject to finance committee approval and college governing body sanction. Each department, via its Departmental Budget Committee, formulates a budget encompassing recurring and non-recurring expenses. The principal consolidates these departmental budgets to create the institutional budget, subject to finance committee approval. Income sources include tuition fees, hostel and mess fees, bus fees, interest earnings, government grants, and miscellaneous income. Funds are judiciously employed for purposes like construction, academic infrastructure enhancement, library development, knowledge dissemination through lectures and workshops, sports and cultural activities promotion, research incentives, and lab setup. The finance committee meticulously allocates funds, optimizing their utilization for infrastructure, departments, library, and committees, ensuring effective financial management.

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

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)

Pragati Engineering College's Internal Quality Assurance Cell (IQAC) has been instrumental in elevating the quality of education. Through its strategic efforts, it has transformed PEC into an academic powerhouse, focusing on Outcome-Based Education (OBE) implementation and comprehensive student mentorship.OBE Implementation: IQAC spearheaded the adoption of OBE principles, aligning learning objectives with curriculum and assessments. This meticulous approach ensures that students' educational goals are met, resulting in improved educational outcomes. Continuous Assessment: Students are consistently evaluated through diverse methods, enabling timely adjustments to teaching approaches. Rubrics and constructive feedback guarantee fair and uniform evaluations, ensuring that learning outcomes are achieved. Feedback Collection: The IQAC regularly collects and analyzes feedback from students, alumni, and industry partners. This datadriven approach ensures that education remains aligned with evolving student and industry needs. Student Mentorship and Holistic Growth: The IQAC introduced a mentorship program, offering personalized support, goal-setting guidance, emotional assistance, and career insights. This holistic approach nurtures students academically, personally, and professionally, preparing them for diverse challenges. These initiatives have resulted in a noticeable enhancement in educational quality and institutional performance, as affirmed by feedback from stakeholders, including students, faculty, and employers. Pragati Engineering College's IQAC has indeed been a catalyst for positive transformation in education.

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

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

Pragati Engineering College (PEC), a premier institution dedicated to providing high-quality engineering education, places a strong emphasis on continual self-assessment and

improvement. PEC has established an Internal Quality Assurance Cell (IQAC) in alignment with accreditation standards to facilitate this endeavor. The IQAC plays a pivotal role in enhancing the overall quality of education at PEC. Comprising experienced faculty, administrators,and external experts, it devises and executes strategies for ongoing enhancements. One primary focus is the regular evaluation of the teaching-learning process, encompassing curriculum design, pedagogical approaches, classroom dynamics, student engagement, and faculty development. Stakeholder feedback is actively sought through surveys, which inform improvements to enrich the learning experience. Moreover, the IQAC scrutinizes the infrastructure, including laboratories, library resources, ICT facilities, and administrative support systems, to ensure alignment with contemporary educational needs. Learning outcomes are assessed through a variety of metrics, including examination results, project work, internships, and stakeholder input. This information helps pinpoint areas needing improvement, fostering a dynamic learning environment. The IQAC also champions faculty development, organizing workshops, seminars, and training programs to bolster pedagogical skills, subject expertise, and research capabilities. This commitment to faculty growth, combined with a student-centric approach, ensures that PEC remains a vanguard in engineering education, providing students with the tools and knowledge necessary for thriving in their professional journeys.

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

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	**Nil**
Upload e-copies of accreditations and certification	[View File](#)
Upload details of quality assurance initiatives of the institution	[View File](#)
Upload any additional information	**No File Uploaded**

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

Pragati Engineering College (PEC) has made substantial progress in promoting gender equity and inclusivity over the past five years. Recognizing the significance of providing equal opportunities for all, PEC initiated comprehensive gender sensitization programs for students, faculty, and staff. These programs aimed to address unconscious biases, challenge gender stereotypes, and foster a respectful and inclusive campus environment. Moreover, PEC prioritized representation and leadership by maintaining a balanced ratio of female students and faculty, with women actively participating in decision-making and leadership roles. Infrastructure enhancements, including well-lit pathways and CCTV cameras, were implemented to ensure safety and security. The institution also introduced an online grievance system to promptly address any incidents of harassment or discrimination. PEC established a Women Empowerment and Grievances Cell to handle related issues and ensured female students' safety during bus travel. The college incentivized female students through special prizes, financial assistance programs, and awareness about government scholarships. In summary, Pragati Engineering College remains committed to its ongoing efforts to advance gender equity, engaging stakeholders, and implementing further measures to create an inclusive environment where all individuals can thrive, irrespective of their gender

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

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	No File Uploaded

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)

Pragati Engineering College (PEC) is committed to promote sustainable practices and environmental stewardship. As part of it, the institution has initiated various facilities for the management of degradable and non-degradable waste. These facilities aim to minimize the environmental impact of waste generated in the campus and inculcate a culture of waste reduction, recycling, and responsible waste management. Degradable Waste Management: PEC recognizes the importance of managing degradable waste effectively to reduce pollution and promote a healthier environment. The institution has established a composting system on campus. Organic waste from the canteen, and kitchen areas is collected separately and processed in composting units. These units facilitate the decomposition of organic waste, turning it into nutrient-rich compost. The compost is then utilized for landscaping and maintaining green spaces on campus. Non-Degradable Waste Management: PEC recognizes that managing non-degradable waste, such as plastic, paper, and metal, is equally crucial to protect the environment. Recycling bins are conveniently placed across thecampus, making it easy for students and staff to dispose of their recyclable waste. PEC has established tie-ups with authorized recycling agencies to collect and process the recyclable waste. The collected materials are sorted, processed, and sent for recycling to be used in the

manufacturing of new products. To further encourage recycling, PEC organizes awareness campaigns and workshops through NCC and NSS to educate the college community about the importance of waste segregation and recycling.

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	**No File Uploaded**

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	**No File Uploaded**

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**	**B. Any 3 of the above**

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File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions/awards** 5. **Beyond the campus environmental promotional activities**	B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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:	A. Any 4 or all of the above

Human 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	**No File Uploaded**
Details of the software procured for providing assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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).

Pragati Engineering College (PEC) is dedicated to fostering an inclusive environment that celebrates diversity in all its facets. Through cultural festivities, multilingualism, communal harmony initiatives, scholarships, awareness programs, and comprehensive support services, PEC endeavors to cultivate an atmosphere characterized by tolerance, unity, and respect. In doing so, PEC not only enhances its students' educational journey but also equips them to excel in a globalized world that values cultural diversity and cross-cultural understanding. PEC hosts a spectrum of cultural events and celebrations that highlight the rich diversity of its student community, encompassing traditional festivals, intercultural competitions, and exchange programs. By actively engaging students from diverse cultural backgrounds, PEC promotes understanding and appreciation of various traditions, fostering an environment of tolerance and harmony. PEC strongly advocates for communal harmony among its students and staff, regularly conducting workshops, seminars, and panel discussions addressing communal harmony, religious understanding, and social cohesion. By facilitating dialogue and providing platforms for open discussions, PEC encourages individuals to develop empathy, respect, and appreciation for different religious and communal beliefs.

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:

PEC equips its stakeholders with the knowledge and skills needed to become positive contributors to society by imparting an indepth understanding of democratic principles, ethical values, and social obligations. Through this holistic approach, PEC aims to nurture future leaders who will uphold constitutional ideals, champion inclusivity, and work towards a just and prosperous nation. PEC's commitment extends beyond academics, recognizing the pivotal role of value education in shaping individuals' character and ethical conduct. Through workshops, seminars, and discussions, students are sensitized to principles like integrity, respect, empathy, and inclusivity, woven into the curriculum for practical application in personal and professional lives. Moreover, PEC ensures that students and employees are well-versed in their rights as citizens through interactive sessions and guest lectures by legal experts. Simultaneously, the college underscores the importance of fulfilling responsibilities like respecting others' rights, taxation, and active participation in the democratic process. PEC actively promotes civic engagement and community welfare through volunteer programs, social initiatives, and community outreach, fostering empathy, compassion, and social responsibility. Ethical leadership is another vital facet emphasized by PEC through leadership development programs. Students and employeesare exposed to ethical dilemmas and trained to make morally sound decisions, emphasizing transparency, accountability, and integrity in leadership roles. Lastly, PEC maintains a safe and inclusive environment by conducting sensitization programs, promoting gender equality, respecting diversity, and preventing discrimination and harassment. By cultivating such an atmosphere, PEC empowers individuals to exercise their rights and fulfill their responsibilities without prejudice or fear.

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File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	[View File](#)
Any other relevant information	**No File Uploaded**

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	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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

Pragati Engineering College is a reputed institution that takes pride in organizing and celebrating various national and international commemorative days, events, and festivals. The college believes that celebrating these events not only enhances the students' academic experience but also promotes their overall growth and development. Some of the national and international commemorative days celebrated by the college include National Science Day, International Women's Day, World Environment Day, International Yoga Day, and World Mental

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Health Day. The college organizes various activities, competitions, and seminars related to these events to create awareness among the students. Apart from this, the college also celebrates various festivals such as Diwali, Christmas, Holi, and Eid with great enthusiasm. The students come together to organize cultural programs, traditional food stalls, and other festivities. These celebrations help students to understand and appreciate different cultures and promote a sense of unity and harmony among them. The college also organizes various sports events, technical fests, and cultural fests throughout the year, which provide a platform for students to showcase their skills and talents. These events are not only entertaining but also provide valuable opportunities for students to learn and grow. In conclusion, Pragati Engineering College's commitment to organizing and celebrating national and international commemorative days, events, and festivals is a testament to its dedication to promoting the holistic growth and development of its students.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	**No File Uploaded**
Geotagged photographs of some of the events	View File
Any other relevant information	**No File Uploaded**

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

Best Practice 1: Practical Implementation of Outcome-Based Education (OBE)

Objectives: Align teaching, learning, and assessment with specific learning outcomes; enhance student skills to meet industry standards; foster critical thinking and problem-solving.

Context: Shifting to OBE requires an adaptable framework. Pragati Engineering College focused on aligning curricula and assessments to industry needs and accreditation standards, promoting a student-centered learning environment.

Practice:

- Curriculum Mapping: Aligned program outcomes with course and specific learning outcomes based on industry needs.
- Faculty Development: Regular training on OBE concepts, assessment methods, and teaching strategies.
- Evaluation Tools: Developed assessment rubrics to measure skill attainment in critical thinking and practical skills.
- Continuous Improvement: Established a feedback loop for data-driven improvements.

Success: Improved academic performance, 80% placements in top companies, and positive employer feedback on job readiness.

Challenges & Resources: Resistance to change, need for dedicated faculty training, data analysis tools, and industry collaboration.

Best Practice 2: Quality Assurance in Teaching-Learning

Objectives: Ensure effective teaching, enhance faculty skills, integrate technology, and prepare students for industry readiness.

Context: With diverse learning needs, Pragati Engineering College focused on structured, quality-driven teaching-learning practices.

Practice:

- Faculty Training: Continuous development in teaching methodologies and technology use.
- NPTEL & Eduskill: Supplemented learning with industry-aligned courses.
- Feedback: Regular student feedback for improvement.
- Mentorship: Faculty mentors support students academically and personally.

Success: Increased placements, enhanced teaching effectiveness, and high engagement in NPTEL and Eduskill programs.

Challenges & Resources: Adapting to new tech, ensuring resource access, and providing ongoing training.

File Description	Documents
Best practices in the Institutional website	https://pragati.ac.in/naac/bestpractices/2022-23-best-practices/
Any other relevant information	Nil

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)

Pragati Engineering College has made remarkable strides in fostering a culture of self-learning among students, with a focus on career-readiness and technical expertise, making it a standout institution in this area. Recognizing the importance of independent learning and hands-on experience, the college actively promotes student participation in NPTEL (National Programme on Technology Enhanced Learning) courses and internships through AICTE Eduskill. This focus on self-learning has equipped students with critical industry skills, enabling them to stay ahead of the curve in a fast-evolving technological landscape.

Through rigorous NPTEL coursework, students gain deep theoretical knowledge, while Eduskill internships offer practical exposure that bridges the gap between academia and industry. These initiatives have translated into impressive placement outcomes, with Pragati Engineering College achieving an 80% on-campus placement rate and securing high-paying job offers for students. Companies are increasingly drawn to the college's graduates for their well-rounded technical abilities and proactive learning mindset, resulting in a significant increase in the number of job offers and salary packages over recent years. This dual emphasis on self-learning and industry-aligned training underscores the college's commitment to empowering students for successful careers and positions it as a leader in engineering education.

File Description	Documents
Appropriate link in the institutional website	Nil
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

The following is the plan of action for the next Academic Year

- Toconduct regular training sessions for faculty to adopt innovative and outcome-based teaching methods.
- Toalign thesyllabus with industry standards and emerging technologies to meet market demands.
- Tofacilitate faculty and student research by providing funding, resources, and publication support.
- To organize workshops and certificate courses in cutting-edge areas like AI, IoT, and Data Science.
- Tostrengthen the student mentorship program to support academic and personal growth.
- To establish partnerships with industry leaders for internships, projects, and guest lectures.
- To upgrade labs and classrooms with advanced technology and ensure high-speed internet access.
- Toimplement continuous assessment and feedback mechanisms to track and improve academic performance.
- To promote eco-friendly practices like waste management, energy conservation, and green landscaping.
- To improve placement support by organizing pre-placement training and fostering stronger recruiter relations.