



YEARLY STATUS REPORT - 2023-2024

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		Peddapuram
• 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.	9440614466				
• 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/2024/11/AQAR-2022-23.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 2	A	3.08	2016	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)		
Introduction of Skill based courses In line with National Education Policy at UG Level		
Submitted NAAC SSR for cycle II		
Increased number of Industry 4.0 Clubs		
12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		
Plan of Action	Achievements/Outcomes	
To Strengthen Industry 4.0	No. of Clubs and their activities are increased	
Introduce New Programs	CSE cyber security course is introduced	
Strengthen Administrative process through Auditing	External Administrative audit is conducted	
13. Was the AQAR placed before the statutory body?	No	
Name of the statutory body		
Name of the statutory body	Date of meeting(s)	
Governing Body	20/07/2024	
14. Was the institutional data submitted to AISHE ?	Yes	

- Year

Year	Date of Submission
2024	04/03/2024

15. Multidisciplinary / interdisciplinary

Since attaining autonomous status in 2016, Pragati Engineering College (PEC) has continuously evolved its curriculum to meet the demands of modern education and technology. The institution has designed its academic programs with remarkable flexibility, integrating several multidisciplinary and interdisciplinary courses to align with contemporary trends, academic interests, and technological advancements. With the implementation of the National Education Policy (NEP) 2020, PEC has restructured its pedagogy to provide students with greater academic freedom and an expansive range of subject choices. This restructuring includes the introduction of Free Electives, Professional Electives, Open Electives, Skill Development Courses, as well as courses in Basic Sciences, Humanities, Management, Arts, and Social Sciences. These courses enable students to tailor their education to their individual interests while preparing them for the ever-changing demands of the professional world. Under the R20 Revised Regulations, PEC has embraced a Choice-Based Credit System (CBCS) and introduced Honors and Minor Certification Schemes, allowing aspiring learners to earn additional credits. The Honors pathway enables students to delve deeper into their primary field of study, while the Minor certification provides opportunities for cross-domain learning. These features empower students to broaden their knowledge base and enhance their employability in multidisciplinary domains. A standout feature of the PEC curriculum is its emphasis on "Multidisciplinary Education." Students are encouraged to explore a diverse range of subjects through an extensive elective basket that includes courses from Science, Engineering, Technology, Mathematics, Management, and Humanities. This approach fosters holistic learning, encouraging students to break free from traditional academic silos. In addition to offering a diverse curriculum, PEC has integrated innovative learning methodologies into its programs. Notable initiatives include: Massive Open Online Courses (MOOCs): PEC encourages students to enroll in online courses from platforms like NPTEL, SWAYAM, Coursera, and edX. These courses may be pursued independently, through proctored or mentored guidance, or in a blended format with in-house faculty. This initiative recognizes the

importance of self-learning and provides students with the flexibility to explore global educational resources. Industry Internships and Mini-Projects: Practical exposure is a key aspect of PEC's curriculum. Students are required to participate in mini-projects during their second and third years, focusing on design, simulation, and prototyping. These projects emphasize the use of modern software and hardware tools, fostering teamwork, creativity, and technical proficiency. . The college remains committed to the principles of NEP 2020 and continues to align its academic activities with its recommendations, setting a benchmark for excellence in higher education.

16.Academic bank of credits (ABC):

At Pragati Engineering College, the National Education Policy (NEP) fosters a flexible and transformative learning environment. Students can explore their interests through multiple entry and exit points in academic programs, supported by the Academic Bank of Credits (ABC) system. While awaiting full implementation under JNTUK affiliation, the college actively encourages students to earn credits via national platforms like SWAYAM, NPTEL, MOOCs, Coursera, and more. This multidisciplinary approach, aligned with NEP 2020, empowers students to customize their learning paths, blending offline and online courses, and equips them with skills to become proficient professionals.

17.Skill development:

Pragati Engineering College (PEC) fosters holistic skill development through a wide range of interdisciplinary initiatives. The institution offers value-added courses, industry-specific training, expert guest lectures, and internships to enhance student competencies. In alignment with the National Education Policy (NEP) and R20 guidelines, PEC integrates skill-centric courses into its curriculum, including advanced engineering programming to boost employability. Collaborating with the Andhra Pradesh State Skill Development Corporation (APSSDC), PEC conducts short-term engineering skill development programs. From their first-year induction program to final-year major projects, students engage in hands-on learning through mini-projects, project-specific labs, and summer internships to strengthen practical knowledge and problem-solving skills. PEC also emphasizes technical and communication skills through regular training and institute-sponsored activities like project expos. Beyond academics, student clubs in areas such as sports, arts, literature, and sustainability, alongside professional associations like IEEE, ISTE, IE, IETE, and CSI, provide additional platforms for holistic growth and networking.

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

In alignment with the NEP-2020 vision, PEC promotes teaching and learning in Indian languages to help students connect with their roots, boost self-esteem, and strengthen conceptual understanding across disciplines. While proficiency in English is crucial for the engineering profession, PEC adopts a balanced approach by integrating both English and local languages to enhance communication skills. To celebrate India's rich cultural heritage, PEC mandates the "Essence of Indian Traditional Knowledge (EITK)" course, which introduces students to ancient scientific and mathematical wisdom alongside evolving traditions. Similarly, PEC integrates Indian culture and values into its academic framework. Courses like yoga, professional ethics, Indian ethos, and environmental science are mandatory, ensuring students develop a deep respect for values, traditions, and sustainable practices. The college celebrates various festivals, hosts meditation sessions, and facilitates events like Women's Day and cultural fests to promote unity and understanding. PEC provides platforms for students to appreciate India's diversity while encouraging interdisciplinary learning and personal growth, creating a cohesive and respectful academic community.

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

Pragati Engineering College (PEC) has successfully implemented Outcome-Based Education (OBE) to ensure clarity and focus in its teaching methods. The college has clearly defined Program Outcomes (POs) and Program-Specific Outcomes (PSOs), which are aligned with Graduate Attributes. Course Outcomes (COs) for all subjects are carefully designed using Bloom's Taxonomy, covering advanced skills like applying, analyzing, evaluating, and creating. These COs are connected to the POs and PSOs for a seamless learning experience. PEC uses effective assessment tools to measure how well students achieve POs, PSOs, and Program Educational Objectives (PEOs), and these results help improve the curriculum. OBE at PEC allows flexible learning, enabling students to choose subjects and study methods that match their strengths, helping them master the material thoroughly. . The college regularly trains new faculty through its IQAC, includes COs, POs, PEOs, and PSOs in all syllabi, and shares effective teaching practices with stakeholders to uphold its commitment to quality education.

20.Distance education/online education:

While Pragati Engineering College (PEC) does not offer distance

learning programs like some UGC-authorized Indian universities, it actively supports technology-enabled education. The college library provides resources for students' online academic pursuits. Since 2016-17, faculty and students have been trained in innovative teaching methods such as online, blended, and flipped classrooms. This training proved invaluable during the COVID-19 pandemic, enabling the effective use of platforms like Moodle for classes, e-content, and conferences. Equipped with ICT tools, smartboards, and resources like NPTEL videos and e-journals, PEC fosters self-learning and aligns with NEP's emphasis on digital education and teacher training.

Extended Profile

1.Programme

1.1

14

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1

5282

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2

1102

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

1121

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

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic	
3.1	857
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	248
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	242
Number of sanctioned posts for the year:	

4.Institution	
4.1	477
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	1064
Total number of computers on campus for academic purposes	
4.4	2269.85
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 dedicated to providing high-quality education in line with AICTE, APSCHE, and the affiliating university's guidelines while actively incorporating feedback from stakeholders to achieve its mission and vision. The thoughtfully designed curriculum covers a wide range of subjects, including basic sciences, humanities, and professional courses, with core and elective options to ensure a well-rounded education.

Each department at PEC aligns its vision and mission with Program Educational Objectives (PEOs) and structures Program Outcomes (POs) and Program-Specific Outcomes (PSOs) to focus on subject-specific knowledge and skills. These outcomes are further aligned with Course Outcomes (COs) based on revised Bloom's Taxonomy, which promotes critical thinking, analysis, and practical application.

The curriculum is developed using inputs from AICTE model syllabi, reputed university frameworks, professional bodies, industry experts, alumni, and competitive exam syllabi. It is rigorously reviewed by the Department Advisory Committee (DAC), Board of Studies (BOS), industry professionals, alumni, and faculty. PEC's autonomous status allows flexibility in revising the curriculum to reflect evolving needs.

For students from rural areas, the curriculum emphasizes soft skills, general aptitude, and technical proficiency. PEC also offers Major, Minor, and Honors programs under Regulation R20, enabling students to specialize across disciplines. To enhance industry readiness, the curriculum integrates MOOCs through NPTEL, mandatory internships, and value-added courses.

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

10

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

742

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

161

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

14

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) integrates key educational themes into its curriculum, aligning with the Sustainable Development Goals (SDGs) and the National Education Policy 2020 (NEP-2020). The college emphasizes professional ethics, instilling integrity, responsibility, and ethical decision-making in future engineers through mandatory courses like Professional Ethics and Human Values.

PEC actively promotes gender equality by organizing discussions, seminars, and case studies to raise awareness and foster inclusivity. The college also prioritizes human values through courses such as Universal Human Values-II Understanding Harmony, aimed at developing empathy and social responsibility.

To address environmental challenges, PEC incorporates sustainability and environmental education into its curriculum. Topics like climate change, renewable energy, waste management, and sustainable engineering are included to equip students with skills for a greener future. Courses like Environmental Science, Renewable Energy Engineering, Disaster Management, and Sustainable Energy Technologies support this vision.

PEC also integrates SDG-related topics to help students understand social, economic, and environmental interconnections. The curriculum includes courses on Soft Skills, Human Resource Development, Indian Constitution, Essence of Indian Traditional Knowledge, and Business Ethics and Corporate Governance to foster human values and professional ethics.

Although there is no specific course on gender, the Internal Complaints Committee (ICC) organizes regular debates, seminars, and workshops on gender sensitization to empower students, especially women.

The institution adheres to NEP-2020, offering interdisciplinary, learner-focused education to create well-rounded graduates with the knowledge and skills to contribute to society responsibly.

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

109

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

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

676

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

3743

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 **A. All 4 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 **A. Feedback collected, analysed and action taken made available on the website**

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

1399

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)

614

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) believes in the power of education and understands that each student has unique learning needs. To address these differences, PEC has developed a thorough assessment system and support programs.

Assessment System: PEC conducts regular assessments to evaluate students' learning levels. This includes diagnostic tests, formative evaluations, and internal assessments to identify strengths, weaknesses, and learning challenges. The assessment system consists of Internal Evaluation (50%), External Evaluation (25% for students with over three backlogs), and Classroom Performance (25%). Students are categorized as advanced or slow learners based on their performance at the start of their coursework.

Support for Slow Learners: Slow learners are identified through attendance, participation, and test results. Teachers provide makeup and remedial classes, focusing on simplifying concepts and extra practice. Faculty counselors monitor their progress and offer guidance. These efforts have improved results, with 80% of slow learners passing after remedial classes.

Support for Advanced Learners: Advanced learners are identified based on active participation, questioning skills, and exam performance. They are encouraged to take online certification courses, learn foreign languages, and engage in research. PEC supports them through technical seminars, hackathons, paper presentations, internships, and national/international competitions. Advanced learners work on real-world problems, develop innovative projects, and receive academic guidance for competitions and certifications like NPTEL, SWAYAM, and Coursera.

Recognition: Academic toppers receive certificates and prizes, while

outstanding graduates are awarded gold medals annually.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
20/04/2024	5282	248

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 dedicated to providing students with an enriching and engaging learning experience. The college adopts student-focused methods like experiential learning, participative learning, and problem-solving techniques to enhance education. It also uses Information and Communication Technology (ICT) tools and online resources to improve teaching and learning.

Experiential Learning: PEC prioritizes hands-on learning through practical sessions, lab work, and project-based activities, helping students apply theoretical concepts in real-world scenarios. This approach builds critical thinking, problem-solving, and teamwork skills.

Participative Learning: Students actively engage in their education through discussions, group work, and peer learning, improving communication skills, expanding subject understanding, and increasing motivation.

Problem-Solving Approach: The college integrates problem-solving through initiatives like Industry 4.0 clubs, internal hackathons, and innovation-driven projects. Students tackle real-world challenges by developing models, applications, and products,

enhancing technical skills, teamwork, and communication.

ICT and Online Resources: PEC leverages digital tools like e-books, research platforms, and multimedia content to support flexible, interactive learning. Online courses from platforms like Swayam NPTEL encourage self-paced learning, while training on software like MATLAB and CATIA ensures students are prepared for emerging technologies. Industrial visits further expose students to real-world work environments.

By blending technology, practical experience, and interactive teaching, PEC equips students with the skills needed to excel in a digital and innovative 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

PEC understands the growing importance of Information and Communication Technology (ICT) in education. The college uses various ICT tools, such as online resources, to improve teaching and learning. These tools give students access to learning materials like ebooks, research articles, interactive modules, and multimedia presentations. Students can use these resources to deepen their knowledge, supplement classroom learning, and stay updated with new developments in their field.

ICT tools also help teachers deliver lessons in a more interactive and engaging way. Faculty members undergo yearly training in teaching methods to enhance their effectiveness and focus on outcome-based education. The MOODLE platform is widely used by both students and teachers for sharing instructional materials, assignments, presentations, videos, and quizzes. Teachers handling the same course can collaborate to prepare course content, ensuring consistency and quality.

Faculty members also utilize digital libraries and open-source platforms to create learning materials that improve students' skills. The Integrated Management System (IMS) software is used to manage academic activities like attendance, timetables, assessments, feedback, and communication with parents. Mentoring is also

conducted effectively through IMS, with students' performance and attendance regularly shared with parents or guardians.

Classrooms are equipped with LCD projectors and speakers to support multimedia presentations, simulations, and virtual experiments, which help students better understand complex concepts. ICT platforms enable smooth communication between students and teachers, allowing for assignment submissions, feedback, and collaborative learning. These tools also allow students to learn at their own pace, catering to their individual needs and learning preferences.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://pragati.ac.in/electronics-communication-engineering/innovation-in-teaching-learning/
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

233

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

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

The academic calendar at PEC is carefully designed by the Principal, department heads, and the Examination Section to include key details such as semester start and end dates, working days, syllabus milestones, exam schedules, and important holidays. Each academic year has two semesters, with each spanning 17 weeks to include 90 working days.

Each department prepares an action plan that outlines instruction periods, internal exam dates, and end-semester exams, helping students and faculty plan activities like industrial visits, internships, workshops, and faculty development programs (FDPs).

The academic calendar is published on the institute's website before the semester begins.

Faculty use the calendar to create detailed lesson plans at the start of each semester, including handouts, lecture notes, quizzes, seminar topics, and model question papers.

Key Components of the Academic Calendar

1. **Semester Dates:** Clear start and end dates for each semester.
2. **Class Schedules:** Timetables for courses to help students manage study time and faculty allocate teaching hours.
3. **Exam Schedules:** Deadlines for assignments, tests, and exams, allowing students sufficient preparation time.
4. **Activities:** Dates for workshops, seminars, guest lectures, and other events to support a holistic educational experience.

Teaching Plan Development

1. **Course Objectives:** Clearly defined learning goals to guide students.
2. **Course Content and Resources:** Detailed outlines and required materials, such as textbooks and online resources.
3. **Instructional Strategies:** Methods like lectures, group discussions, case studies, and multimedia presentations to improve learning.
4. **Assessment Methods:** Evaluation techniques such as quizzes, projects, assignments, 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

248

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	No File Uploaded

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

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)

5

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

36

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

88

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 examinations, 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 exambranch.

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 enhance the 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 The coordinator prepares COs and maps 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 brainstorming sessions such that the objectives of each course are translated at the end in the form of outcomes. Bloom's taxonomy is used while formulating the 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, and semester-end examinations) and indirect method (course-end feedback).

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**1146**

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	https://pragati.ac.in/wp-content/uploads/2024/10/2023-24-4.pdf

2.7 - Student Satisfaction Survey

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

<https://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 encourage advanced research, PEC regularly upgrades its research facilities and follows a clear 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 are recognized as research centers by JNTUK, Kakinada.

Research Facilities: PEC provides modern laboratories, equipment, and infrastructure to support research across various fields like Civil, Mechanical, Electrical, Electronics, Computer Science, and Information Technology. Its R&D labs have also gained recognition through national programs such as BRNS, BARC, UGC, and DST under the Ministry of Science and Technology.

Research Promotion Policy: PEC has a well-defined research policy available on its website. This policy promotes collaborations with industry, academic institutions, and research organizations,

encouraging faculty to work with experts. Research progress is regularly monitored by the Research and Ethics Committees.

Initiatives to Promote Research Activities:

1. Monetary rewards for publishing papers in national or international journals with high impact factors, recognizing the first and second authors.
2. Financial support for publishing papers in international conferences, including travel and registration fees.
3. Seed funding to support faculty research and career development.
4. Opportunities for faculty development through workshops, seminars, and conferences.
5. Creation of centers of excellence, innovative labs, and incubation centers.
6. Special incentives for faculty pursuing part-time higher studies.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://pragati.ac.in/wp-content/uploads/2023/07/R-D-Policy.pdf
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

NIL

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)	No File Uploaded
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)

NIL

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	No File Uploaded
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

NIL

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

3.2.3 - Number of teachers recognised as research guides

14

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

NIL

File Description	Documents
Supporting document from Funding Agencies	No File Uploaded
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 set up an Institution's Innovation Council (IIC) in partnership with MHRD/MoE/AICTE, Government of India, to inspire students and build a culture of innovation and entrepreneurship. PEC conducts both online and offline programs based on guidelines from MIC and EISC/APSCH to encourage innovative thinking among students and faculty.

To highlight the importance of Intellectual Property Rights (IPR), PEC organizes workshops, seminars, and training on topics like patents, copyrights, trademarks, and trade secrets. An IPR course is also included in the curriculum. In 2019-20, PEC started the IIC to provide support for innovation, research, incubation, and IPR-related activities. The council involves students and faculty in activities like problem-solving, ideation, concept development, design thinking, prototype creation, and startup mentoring, building an innovative and entrepreneurial mindset.

With well-equipped Research and Development (R&D) facilities, PEC supports research across various departments and is recognized as a research center by JNTUK, Kakinada, in fields like EEE, ME, ECE, CSE, and Chemistry. The college also engages in consultancy, interdisciplinary research, and partnerships with industries to share knowledge and technology, creating innovative solutions that benefit society.

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

17

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

A. All of the above

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

12

File Description	Documents
URL to the research page on HEI website	https://pragati.ac.in/rd/research-supervisors/
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

188

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

17

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

2

File Description	Documents
Bibliometrics 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)

NIL

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	No File Uploaded
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

NIIL

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
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) focuses on the all-round development of its students by involving them in community service activities. The college has units like NCC, NSS, Rotaract Club, and Hope for a Change Club, as well as MGNCRE Clubs focused on Greenery, Energy Management, Water Management, Waste Management, and Sanitation & Hygiene. These clubs organize programs to address the needs of nearby villages and run awareness campaigns. These efforts not only benefit the community but also make students aware of social issues.

In the academic year 2023-24, the college achieved significant

results through its community outreach programs and received several awards for its contributions to society. Regular activities include:

- **Blood Donation Camps**
- **Tree Plantation Drives** in the college, nearby villages, and surrounding areas
- **Support for Orphanages and Old Age Homes** through donations of groceries, clothing, and household items
- **Support for Government Schools** by providing furniture, computers, and other essentials
- **Blanket Distribution** for people in need across Kakinada
- **Clean and Green Initiatives** and environmental awareness, including eco-friendly Ganesh idol distribution
- **Beach Cleaning and Nature Conservation Programs** in Kakinada
- **Awareness Rallies and Marathons** addressing health issues like heart health, cancer, and more

These activities showcase PEC's dedication to creating a positive social impact while encouraging students to become socially responsible citizens.

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)

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

1681

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

NIL

File Description	Documents
Copies of documents highlighting collaboration	No File Uploaded
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.

Pragati Engineering College (PEC) is situated on a 25-acre lush green campus, providing a peaceful academic environment. The campus features modern classrooms with spacious, well-ventilated seating arrangements, ensuring a comfortable learning atmosphere.

The college prioritizes the teaching-learning process, with 70 classrooms designed as per AICTE norms. These classrooms are equipped with Wi-Fi, LCD projectors, glass boards, adequate lighting, and fans to support effective learning.

The campus also includes two seminar halls, one conference hall, and one mini-conference hall, all featuring audio-visual systems, LCD projectors, Wi-Fi, and seating for up to 200 people.

There are two drawing halls, a workshop, and 61 state-of-the-art laboratories, each equipped with necessary tools, safety measures, and display boards to meet academic requirements and foster hands-on learning.

The central library, spanning 2797.96 square meters, has a seating capacity of 300 and includes a digital library with 25 computers connected to Wi-Fi. Additionally, the campus has a video conferencing room with audio-visual facilities to enhance the teaching-learning experience.

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	View File
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)

189.61

File Description	Documents
Upload audited utilization statements	View File
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 B.Tech programs in CSE. Subscriptions to e-resources and journals provide access to a diverse 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: e- B. Any 3 of the above 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)

4.33

File Description	Documents
Audited statements of accounts	View File
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

1153

File Description	Documents
Upload details of library usage by teachers and students	No File Uploaded
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 industry standard 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
5282	1064

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	No File Uploaded
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

B. Any three 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)

708.08

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

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

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 and sports, 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

3312

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	No File Uploaded

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

290

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

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

A. All of the above

redressal of grievances through appropriate committees

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	No File Uploaded
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

841

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

22

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

423

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

15

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 in each department includes class representatives (CRs) and girl representatives (GRs) who serve as a link between students, faculty, and the college administration. They communicate student feedback, suggestions, and concerns to various authorities, such as the student counselor, class teacher, subject teacher, course coordinator, HOD, Deans, Vice Principal, Principal, Director, and Management. This ensures clear and open communication.

The association also works with the administration to organize extracurricular activities, cultural events, and community service programs. Students are actively represented in various academic and administrative bodies, including IQAC, Anti-Ragging Committee, IIC, Library Committee, Discipline Committee, Cultural Committee, and student clubs. These representatives contribute to decisions about library resources, discipline, and other matters, making students key participants in their educational journey.

The impact of student representation at PEC includes:

1. **Empowerment:** Encouraging students to take charge of their education and campus life while building confidence and

leadership skills.

2. **Effective Communication:** Strengthening interactions between students, faculty, and administration.
3. **Holistic Development:** Offering a variety of activities and events for skill development, networking, and personal growth.
4. **Inclusive Decision-Making:** Ensuring policies and practices reflect student interests through active participation.
5. **Enhanced Learning Environment:** Promoting a supportive and engaging atmosphere, leading to better student satisfaction and academic success.

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

04

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) values its alumni, who have become successful professionals in various fields and contribute significantly to the college's growth. Their involvement is an important asset that helps PEC achieve greater success.

1. **Improving Academic Programs:** Alumni share their industry experience to help update and improve the curriculum, ensuring it stays relevant to current trends. They also inspire students by conducting guest lectures, workshops, and seminars.
2. **Mentoring and Career Guidance:** Alumni guide students with job

market insights, career tips, and support in transitioning to the professional world. Their advice and industry connections help students make better career choices.

3. **Industry Collaboration and Placements:** Alumni strengthen the connection between PEC and the professional world by sharing job opportunities, helping with internships, and participating in campus placements, boosting students' employability.
4. **Financial and Infrastructure Support:** Alumni offer financial assistance through scholarships and funding for infrastructure development. Their contributions provide better facilities and help students in need.
5. **Building an Alumni Network:** PEC promotes connections among alumni, students, and faculty through an online portal and alumni events. These interactions encourage knowledge sharing, networking, and professional growth while fostering a strong sense of community.

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

5.4.2 - Alumni's financial contribution during the year **C. 5 Lakhs - 10 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) is well-known for its commitment to quality engineering education and strong governance practices that align with its vision and mission. The college's management, along with the Principal, ensures that policies and action plans

reflect the institution's goals and are clearly communicated to everyone involved.

The Principal works closely with the College Academic Committee, which includes the Vice Principal, Deans, Controller of Examinations, HODs, and senior faculty, to create detailed action plans. These plans are carried out by specialized committees and regularly reviewed by the Principal. PEC's achievements are shared during Academic Council and Governing Body meetings, where feedback is used to continuously improve.

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 State-of-art-infrastructure and building a cohesive, World Class Team and provide need based Technical Education, Research and Development through enhanced Industry Interaction

The Institutional Quality Assurance Cell (IQAC) at PEC develops both short-term and long-term plans, setting clear goals and strategies to achieve the college's vision and mission.

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 follows a decentralized and participatory management system to achieve excellence in academics and administration. Faculty, staff, and students are actively involved in governance, creating a sense of responsibility and accountability. The institution has a clear organizational structure with various committees and bodies aligned with its vision and mission.

The Principal leads as the head of academics and administration, while HODs manage their respective departments. Feedback from students and staff is encouraged through suggestion boxes and informal discussions to support continuous improvement. Defined roles and responsibilities ensure smooth operations across the

institution. Administrative staff are well-trained to manage tasks efficiently.

Committees are set up for specific college activities, each led by a convener who organizes regular meetings with faculty and student members. The Principal and IQAC periodically review the performance of these committees to maintain their effectiveness.

PEC has a strong system for monitoring and evaluating its activities. Regular assessments are conducted to measure performance and identify areas for improvement. Feedback from faculty, students, and other stakeholders helps refine policies, procedures, and administrative practices. This system enables PEC to adapt to challenges and seize new opportunities effectively.

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 created and implemented a detailed plan to achieve its goals and serve students, faculty, and the community. This plan aligns with the college's mission, vision, values, and objectives. It focuses on improving education quality, promoting academic excellence, and equipping students with the skills and knowledge needed for successful careers.

The plan includes strategies to enhance teaching and learning, boost research and innovation, build strong industry connections, and encourage social responsibility. The college has invested in modern infrastructure, hired experienced faculty, and adopted innovative teaching methods. Partnerships with industry leaders provide students with practical experience and hands-on learning opportunities.

The implementation of this plan has led to noticeable improvements in education and research quality. Pragati Engineering College has

received numerous awards for academic excellence and is now a top choice for students pursuing engineering and technology education.

In summary, the college's well-executed plan has strengthened its reputation as a leader in engineering education, driven by its commitment to excellence, innovation, and social responsibility.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
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 has created a detailed plan to achieve its goals and stay aligned with its mission, vision, and values. The plan focuses on improving education and research quality, promoting academic excellence, and equipping students with skills for successful careers.

It includes strategies to enhance teaching, encourage innovation, strengthen industry partnerships, and promote social responsibility. To achieve these objectives, the college has built advanced facilities, hired experienced faculty, and introduced innovative teaching methods. Collaborations with industry leaders provide students with practical learning experiences.

The successful implementation of this plan has significantly improved the quality of education and research. The college has earned awards for academic excellence and has become a top choice for students pursuing engineering and technology education.

In summary, Pragati Engineering College's well-executed plan highlights its dedication to academic excellence, innovation, and social responsibility, establishing it as a leader in engineering and technology education.

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) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	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) supports its faculty with a well-rounded system for career development, focusing on performance reviews, welfare programs, and opportunities for professional growth. These efforts aim to create a positive work environment that promotes faculty well-being and advancement.

PEC uses a detailed performance appraisal system to evaluate teaching effectiveness and encourage improvement. The system is fair, transparent, and provides constructive feedback, helping faculty grow professionally. It considers various aspects, such as teaching quality, exam results, research work, administrative contributions, student feedback, and alignment with the college's values. Self-assessments and evaluations by higher authorities ensure a thorough review of each faculty member's contributions and their impact.

To further support faculty, PEC offers several welfare programs:

- Cash awards for outstanding academic achievements.
- Subsidized fees for joining professional societies.
- Incentives for publishing research papers.
- Sponsorships for attending workshops, seminars, and refresher courses.
- Support for part-time and full-time Ph.D. programs.
- Assistance for attending summer/winter schools and conferences.
- Free transportation for staff.
- Special incentives for long-term service.
- Benefits like EPF, ESI, and group insurance.
- Fee concessions for employees' children.
- Paid maternity leave and other leave options.

These initiatives create a supportive environment at PEC, helping faculty succeed both 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

59

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

12

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.)

28

File Description	Documents
Summary of the IQAC report	No File Uploaded
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) follows a clear and transparent accounting system. Departments and committees request quotations for necessary items, and a supplier is chosen. The purchase committee reviews and approves these decisions to ensure all required equipment and materials for academic and administrative activities are procured during the financial year.

After receiving the items, they are checked against the purchase orders to confirm they meet the expected price, quality, and quantity. External auditors are appointed as required by law to review the college's financial statements. These audits follow standard accounting policies, financial reporting rules, and regulations.

The external auditors check records such as governing body minutes, student fee registers, cash books, receipts, and vouchers. This process verifies the accuracy of the accounting system and confirms the institution's financial health. The finalized audit reports are published on the college website for transparency.

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 clear process for managing funds and using resources efficiently to support academics, administration, infrastructure, research, and other activities. Funds are mainly collected through student fees, government grants, and other income sources.

At the start of each financial year, a budget is prepared to plan for academic and related needs. Each department, through its Departmental Budget Committee, creates its budget for recurring and non-recurring expenses. These departmental budgets are combined by the principal to form the institutional budget, which is reviewed by the finance committee and approved by the governing body.

The main sources of income include tuition fees, hostel and mess fees, bus fees, interest earnings, government grants, and other miscellaneous income. These funds are used wisely for purposes like building infrastructure, improving academic facilities, expanding the library, organizing lectures and workshops, promoting sports and cultural activities, encouraging research, and setting up laboratories.

The finance committee carefully allocates funds to infrastructure, departments, the library, and various committees to ensure proper

financial management and maximum efficiency.

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 played a key role in improving the quality of education. Its efforts have transformed the college into a center of academic excellence, focusing on Outcome-Based Education (OBE) and student mentorship.

Outcome-Based Education (OBE): IQAC led the adoption of OBE principles, aligning learning objectives with the curriculum and assessments. This ensures that students meet their educational goals, resulting in better learning outcomes.

Continuous Assessment: Students are regularly evaluated through different methods, allowing teachers to adjust their teaching strategies. Rubrics and constructive feedback ensure fair and consistent assessments, helping students achieve their learning objectives.

Feedback Collection: IQAC collects feedback from students, alumni, and industry partners to keep education relevant to changing student and industry needs.

Student Mentorship and Growth: The mentorship program introduced by IQAC provides personalized support, career guidance, emotional assistance, and goal-setting help. This approach supports students academically, personally, and professionally, preparing them for future challenges.

These initiatives have greatly improved education quality and institutional performance, as confirmed by feedback from students, faculty, and employers. The IQAC has truly been a driving force for

positive change at Pragati Engineering College.

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) is committed to providing top-quality engineering education and continuously improving its standards. To achieve this, PEC has set up an Internal Quality Assurance Cell (IQAC) in line with accreditation requirements. The IQAC plays a key role in enhancing education quality by planning and implementing improvement strategies.

The IQAC regularly evaluates teaching and learning processes, including curriculum design, teaching methods, classroom activities, student participation, and faculty development. Feedback from stakeholders, collected through surveys, helps identify areas for improvement and enhance the overall learning experience.

The cell also reviews infrastructure such as labs, library resources, ICT facilities, and administrative systems to meet modern educational needs. Learning outcomes are measured through exam results, project work, internships, and feedback from stakeholders to identify areas requiring attention and create a dynamic learning environment.

To support faculty development, the IQAC organizes workshops, seminars, and training programs, helping teachers improve their teaching methods, subject knowledge, and research skills. By focusing on both student and faculty growth, PEC ensures students are well-prepared for successful careers in engineering.

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

6.5.3 - Quality assurance initiatives of the**B. Any 3 of the above**

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)

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 significant strides in promoting gender equity and inclusivity. Over the past five years, PEC has launched gender sensitization programs to address unconscious biases, challenge stereotypes, and foster a respectful campus environment. With 40% female staff and 45% female students, women play active roles in leadership and policymaking. The college celebrates Women's Day annually and organizes discussions on women's contributions to society.

PEC ensures safety with security guards, CCTV surveillance, well-lit pathways, and reserved bus seats for female students. Self-defense training programs are conducted, and an online grievance system promptly addresses issues of harassment or discrimination. The Women Empowerment and Grievances Cell actively handles related matters.

The college offers counseling services with professional support for mental wellness, stress, and interpersonal issues. Facilities like visitor rooms, a dispensary with a doctor and nurse, ladies' common rooms, a gym, and yoga spaces are provided. PEC also encourages

female students through financial aid, prizes, and awareness of government scholarships.

Collaborating with local authorities, the Internal Complaints Committee promotes awareness of women's legal rights, workplace safety, and "She Laws." PEC remains committed to creating an inclusive, safe, and empowering environment for everyone.

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 dedicated to sustainability and environmental care. The college has implemented effective waste management practices to reduce its environmental impact and encourage a culture of recycling and responsible waste disposal.

Degradable Waste: PEC manages organic waste from the canteen and kitchens through composting units. These units convert waste into nutrient-rich compost, used for landscaping and maintaining green spaces.

Non-Degradable Waste: Waste like plastic, paper, and metal is segregated and recycled. Recyclable waste is collected in bins placed throughout the campus and processed by authorized agencies. Single-use plastics are banned, and paper use is minimized.

Solid and Liquid Waste: Dead leaves and biodegradable dry waste are

composted. A 50kld sewage treatment plant ensures treated water is used for irrigation and cleaning. Eco-friendly floor cleaners are used.

E-Waste: Electronic waste is collected and sent to authorized recyclers. PEC also adopts buy-back agreements for electronics and uses only energy-efficient LED lighting.

Water Conservation: Rainwater is harvested and stored for gardening and cleaning. Percolation ponds improve groundwater levels, and awareness posters promote water conservation.

PEC regularly conducts awareness drives through NCC and NSS to educate its community on waste management and sustainability.

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:

D. Any 1 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	No File Uploaded
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

B. Any 3 of the above

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) and MITS are committed to creating an inclusive environment that values diversity and promotes communal harmony. Through cultural celebrations, scholarships, multilingual training, and awareness programs, these institutions foster unity and respect among students and staff.

PEC organizes events like traditional festivals, intercultural competitions, and exchange programs, encouraging students from different backgrounds to appreciate and embrace diversity. PEC emphasizes teacher development, equipping educators to accommodate diverse learning styles and cultural practices.

PEC host students and faculty from across India, enriching campus with cultural and linguistic diversity. Central and private scholarships, along with a dedicated student welfare cell, further support inclusivity. Regular workshops, seminars, and discussions on communal harmony and social cohesion help build empathy, respect, and understanding. These efforts not only enhance the educational experience but also prepare students to thrive in a diverse, globalized world.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

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

PEC helps its community members develop the knowledge and skills to positively contribute to society by teaching democratic principles, ethical values, and social responsibilities. The goal is to shape future leaders who will support constitutional values, promote inclusivity, and work towards a fair and prosperous nation. PEC goes beyond academics by recognizing the importance of value education in building character and ethical behavior. Through workshops, seminars, and discussions, students learn about integrity, respect, empathy, and inclusivity, which are integrated into the curriculum for real-life application.

The college also ensures that students and staff understand their rights as citizens by organizing sessions and guest lectures with legal experts. At the same time, PEC emphasizes the importance of fulfilling responsibilities, such as respecting others' rights, paying taxes, and participating in the democratic process. PEC encourages civic engagement and community welfare through volunteer programs, social initiatives, and outreach activities, promoting empathy, compassion, and social responsibility.

Ethical leadership is another key focus, with leadership development programs that train students and staff to handle ethical challenges and make sound, morally responsible decisions. Transparency, accountability, and integrity are emphasized for those in leadership roles. Lastly, PEC maintains a safe and inclusive environment by offering programs that promote gender equality, respect diversity, and prevent discrimination and harassment. This creates a space where individuals can exercise their rights and responsibilities without fear or bias.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
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

B. Any 3 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 well-known institution that takes pride in celebrating various national and international days, events, and festivals. The college believes that these celebrations not only improve students' academic experience but also support their overall growth. Some of the national and international days celebrated at the college include National Science Day, International Women's Day, World Environment Day, International Yoga Day, and World Mental Health Day. The college organizes activities, competitions, and seminars to raise awareness about these events.

In addition to these days, the college also celebrates festivals like Diwali, Christmas, Holi, and Eid with great enthusiasm. Students work together to organize cultural programs, food stalls, and other festive activities. These celebrations help students appreciate different cultures and create a sense of unity and harmony among them.

The college also hosts sports events, technical fests, and cultural fests throughout the year, offering students a chance to showcase

their skills and talents. These events are not only fun but also provide valuable learning experiences.

Pragati Engineering College's committed to organizing and celebrating national and international events reflects its dedication to the overall 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 clear learning outcomes.
- Improve student skills to meet industry standards.
- Encourage critical thinking and problem-solving.

Context: Adopting Outcome-Based Education (OBE) requires flexibility. Pragati Engineering College focused on aligning the curriculum and assessments to industry needs and accreditation standards, creating a student-centered learning environment.

Practice:

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

Success:

- Improved academic performance.
- 80% placement rate in top companies.
- Positive feedback from employers on students' job readiness.

Challenges & Resources:

- Resistance to change.
- Need for ongoing faculty training.
- Required data analysis tools and industry collaboration.

Best Practice 2: Quality Assurance in Teaching-Learning

Objectives:

- Ensure effective teaching.
- Enhance faculty skills.
- Integrate technology in teaching.
- Prepare students for industry readiness.

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

Practice:

- **Faculty Training:** Ongoing development in teaching methods and technology use.
- **NPTEL & Eduskill:** Provided industry-aligned courses to supplement learning.
- **Feedback:** Collected regular student feedback to improve teaching methods.
- **Mentorship:** Faculty mentors supported students both academically and personally.

Success:

- Increased placement rates.
- Improved teaching effectiveness.
- High engagement in NPTEL and Eduskill programs.

Challenges & Resources:

- Adapting to new technology.
- Ensuring access to resources.

- **Providing continuous faculty training.**

File Description	Documents
Best practices in the Institutional website	https://pragati.ac.in/naac/bestpractices/
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 great progress in encouraging self-learning among students, focusing on career readiness and technical skills. The college stands out for promoting independent learning and hands-on experience. It encourages students to take part in NPTEL (National Programme on Technology Enhanced Learning) courses and internships through AICTE Eduskill. This approach helps students develop important industry skills, keeping them ahead in the fast-changing tech world.

Through NPTEL courses, students gain strong theoretical knowledge, while Eduskill internships provide practical experience, bridging the gap between academics and the workplace. These initiatives have led to strong placement results, with an 80% on-campus placement rate and good job offers for students. Companies are increasingly interested in graduates from Pragati Engineering College because of their well-rounded technical skills and proactive approach to learning. As a result, the number of job offers and salary packages has increased in recent years. This focus on self-learning and industry-related training shows the college's dedication to preparing 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 dedicated to providing high-quality education in line with AICTE, APSCHE, and the affiliating university's guidelines while actively incorporating feedback from stakeholders to achieve its mission and vision. The thoughtfully designed curriculum covers a wide range of subjects, including basic sciences, humanities, and professional courses, with core and elective options to ensure a well-rounded education.

Each department at PEC aligns its vision and mission with Program Educational Objectives (PEOs) and structures Program Outcomes (POs) and Program-Specific Outcomes (PSOs) to focus on subject-specific knowledge and skills. These outcomes are further aligned with Course Outcomes (COs) based on revised Bloom's Taxonomy, which promotes critical thinking, analysis, and practical application.

The curriculum is developed using inputs from AICTE model syllabi, reputed university frameworks, professional bodies, industry experts, alumni, and competitive exam syllabi. It is rigorously reviewed by the Department Advisory Committee (DAC), Board of Studies (BOS), industry professionals, alumni, and faculty. PEC's autonomous status allows flexibility in revising the curriculum to reflect evolving needs.

For students from rural areas, the curriculum emphasizes soft skills, general aptitude, and technical proficiency. PEC also offers Major, Minor, and Honors programs under Regulation R20, enabling students to specialize across disciplines. To enhance industry readiness, the curriculum integrates MOOCs through NPTEL, mandatory internships, and value-added courses.

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**10**

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**742**

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****161**

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

14

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) integrates key educational themes into its curriculum, aligning with the Sustainable Development Goals (SDGs) and the National Education Policy 2020 (NEP-2020). The college emphasizes professional ethics, instilling integrity, responsibility, and ethical decision-making in future engineers through mandatory courses like Professional Ethics and Human Values.

PEC actively promotes gender equality by organizing discussions, seminars, and case studies to raise awareness and foster inclusivity. The college also prioritizes human values through courses such as Universal Human Values-II Understanding Harmony, aimed at developing empathy and social responsibility.

To address environmental challenges, PEC incorporates sustainability and environmental education into its curriculum. Topics like climate change, renewable energy, waste management, and sustainable engineering are included to equip students with skills for a greener future. Courses like Environmental Science, Renewable Energy Engineering, Disaster Management, and

Sustainable Energy Technologies support this vision.

PEC also integrates SDG-related topics to help students understand social, economic, and environmental interconnections. The curriculum includes courses on Soft Skills, Human Resource Development, Indian Constitution, Essence of Indian Traditional Knowledge, and Business Ethics and Corporate Governance to foster human values and professional ethics.

Although there is no specific course on gender, the Internal Complaints Committee (ICC) organizes regular debates, seminars, and workshops on gender sensitization to empower students, especially women.

The institution adheres to NEP-2020, offering interdisciplinary, learner-focused education to create well-rounded graduates with the knowledge and skills to contribute to society responsibly.

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

109

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

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

676

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

3743

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

A. All 4 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

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

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****1399**

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)**614**

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) believes in the power of education and understands that each student has unique learning needs. To address these differences, PEC has developed a thorough assessment system and support programs.

Assessment System: PEC conducts regular assessments to evaluate students' learning levels. This includes diagnostic tests, formative evaluations, and internal assessments to identify strengths, weaknesses, and learning challenges. The assessment system consists of Internal Evaluation (50%), External Evaluation (25% for students with over three backlogs), and Classroom Performance (25%). Students are categorized as advanced or slow learners based on their performance at the start of their coursework.

Support for Slow Learners: Slow learners are identified through

attendance, participation, and test results. Teachers provide makeup and remedial classes, focusing on simplifying concepts and extra practice. Faculty counselors monitor their progress and offer guidance. These efforts have improved results, with 80% of slow learners passing after remedial classes.

Support for Advanced Learners: Advanced learners are identified based on active participation, questioning skills, and exam performance. They are encouraged to take online certification courses, learn foreign languages, and engage in research. PEC supports them through technical seminars, hackathons, paper presentations, internships, and national/international competitions. Advanced learners work on real-world problems, develop innovative projects, and receive academic guidance for competitions and certifications like NPTEL, SWAYAM, and Coursera.

Recognition: Academic toppers receive certificates and prizes, while outstanding graduates are awarded gold medals annually.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
20/04/2024	5282	248

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 dedicated to providing students with an enriching and engaging learning experience. The college adopts student-focused methods like experiential learning, participative learning, and problem-solving techniques to enhance education. It also uses Information and Communication

Technology (ICT) tools and online resources to improve teaching and learning.

Experiential Learning: PEC prioritizes hands-on learning through practical sessions, lab work, and project-based activities, helping students apply theoretical concepts in real-world scenarios. This approach builds critical thinking, problem-solving, and teamwork skills.

Participative Learning: Students actively engage in their education through discussions, group work, and peer learning, improving communication skills, expanding subject understanding, and increasing motivation.

Problem-Solving Approach: The college integrates problem-solving through initiatives like Industry 4.0 clubs, internal hackathons, and innovation-driven projects. Students tackle real-world challenges by developing models, applications, and products, enhancing technical skills, teamwork, and communication.

ICT and Online Resources: PEC leverages digital tools like e-books, research platforms, and multimedia content to support flexible, interactive learning. Online courses from platforms like Swayam NPTEL encourage self-paced learning, while training on software like MATLAB and CATIA ensures students are prepared for emerging technologies. Industrial visits further expose students to real-world work environments.

By blending technology, practical experience, and interactive teaching, PEC equips students with the skills needed to excel in a digital and innovative 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

PEC understands the growing importance of Information and Communication Technology (ICT) in education. The college uses various ICT tools, such as online resources, to improve teaching and learning. These tools give students access to learning

materials like ebooks, research articles, interactive modules, and multimedia presentations. Students can use these resources to deepen their knowledge, supplement classroom learning, and stay updated with new developments in their field.

ICT tools also help teachers deliver lessons in a more interactive and engaging way. Faculty members undergo yearly training in teaching methods to enhance their effectiveness and focus on outcome-based education. The MOODLE platform is widely used by both students and teachers for sharing instructional materials, assignments, presentations, videos, and quizzes. Teachers handling the same course can collaborate to prepare course content, ensuring consistency and quality.

Faculty members also utilize digital libraries and open-source platforms to create learning materials that improve students' skills. The Integrated Management System (IMS) software is used to manage academic activities like attendance, timetables, assessments, feedback, and communication with parents. Mentoring is also conducted effectively through IMS, with students' performance and attendance regularly shared with parents or guardians.

Classrooms are equipped with LCD projectors and speakers to support multimedia presentations, simulations, and virtual experiments, which help students better understand complex concepts. ICT platforms enable smooth communication between students and teachers, allowing for assignment submissions, feedback, and collaborative learning. These tools also allow students to learn at their own pace, catering to their individual needs and learning preferences.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://pragati.ac.in/electronics-communication-engineering/innovation-in-teaching-learning/
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

233

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

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

The academic calendar at PEC is carefully designed by the Principal, department heads, and the Examination Section to include key details such as semester start and end dates, working days, syllabus milestones, exam schedules, and important holidays. Each academic year has two semesters, with each spanning 17 weeks to include 90 working days.

Each department prepares an action plan that outlines instruction periods, internal exam dates, and end-semester exams, helping students and faculty plan activities like industrial visits, internships, workshops, and faculty development programs (FDPs). The academic calendar is published on the institute's website before the semester begins.

Faculty use the calendar to create detailed lesson plans at the start of each semester, including handouts, lecture notes, quizzes, seminar topics, and model question papers.

Key Components of the Academic Calendar

1. **Semester Dates:** Clear start and end dates for each semester.
2. **Class Schedules:** Timetables for courses to help students manage study time and faculty allocate teaching hours.
3. **Exam Schedules:** Deadlines for assignments, tests, and exams, allowing students sufficient preparation time.
4. **Activities:** Dates for workshops, seminars, guest lectures, and other events to support a holistic educational experience.

Teaching Plan Development

1. **Course Objectives:** Clearly defined learning goals to guide students.
2. **Course Content and Resources:** Detailed outlines and required materials, such as textbooks and online resources.

3. **Instructional Strategies:** Methods like lectures, group discussions, case studies, and multimedia presentations to improve learning.
4. **Assessment Methods:** Evaluation techniques such as quizzes, projects, assignments, 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

248

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	No File Uploaded

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

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)

5

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

36

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

88

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 PragatiEngineering 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 mid-examinations, 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 enhance the 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 The coordinator prepares COs and maps 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 brainstorming sessions such that the objectives of each course are translated at the end in the form of outcomes. Bloom's taxonomy is used while formulating the 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, and semester-end examinations) and indirect method (course-end feedback).

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

1146

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	https://pragati.ac.in/wp-content/uploads/2024/10/2023-24-4.pdf

2.7 - Student Satisfaction Survey

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

<https://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 encourage advanced research, PEC regularly upgrades its research facilities and follows a clear 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 are recognized as research centers by JNTUK, Kakinada.

Research Facilities: PEC provides modern laboratories, equipment, and infrastructure to support research across various fields like Civil, Mechanical, Electrical, Electronics, Computer Science, and Information Technology. Its R&D labs have also gained recognition through national programs such as BRNS, BARC, UGC, and DST under the Ministry of Science and Technology.

Research Promotion Policy: PEC has a well-defined research policy available on its website. This policy promotes collaborations with industry, academic institutions, and research organizations, encouraging faculty to work with experts. Research progress is regularly monitored by the Research and Ethics Committees.

Initiatives to Promote Research Activities:

1. Monetary rewards for publishing papers in national or international journals with high impact factors, recognizing the first and second authors.
2. Financial support for publishing papers in international conferences, including travel and registration fees.
3. Seed funding to support faculty research and career development.
4. Opportunities for faculty development through workshops, seminars, and conferences.
5. Creation of centers of excellence, innovative labs, and incubation centers.
6. Special incentives for faculty pursuing part-time higher studies.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://pragati.ac.in/wp-content/uploads/2023/07/R-D-Policy.pdf
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**NIL**

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)	No File Uploaded
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)****NIL**

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	No File Uploaded
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

NIL

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

3.2.3 - Number of teachers recognised as research guides**14**

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**NIL**

File Description	Documents
Supporting document from Funding Agencies	No File Uploaded
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 set up an Institution's Innovation Council (IIC) in partnership with MHRD/MoE/AICTE, Government of India, to inspire students and build a culture of innovation and entrepreneurship. PEC conducts both online and offline programs based on guidelines from MIC and EISC/APSCH to

encourage innovative thinking among students and faculty.

To highlight the importance of Intellectual Property Rights (IPR), PEC organizes workshops, seminars, and training on topics like patents, copyrights, trademarks, and trade secrets. An IPR course is also included in the curriculum. In 2019-20, PEC started the IIC to provide support for innovation, research, incubation, and IPR-related activities. The council involves students and faculty in activities like problem-solving, ideation, concept development, design thinking, prototype creation, and startup mentoring, building an innovative and entrepreneurial mindset.

With well-equipped Research and Development (R&D) facilities, PEC supports research across various departments and is recognized as a research center by JNTUK, Kakinada, in fields like EEE, ME, ECE, CSE, and Chemistry. The college also engages in consultancy, interdisciplinary research, and partnerships with industries to share knowledge and technology, creating innovative solutions that benefit society.

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

17

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

A. All of the above

Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

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

12

File Description	Documents
URL to the research page on HEI website	https://pragati.ac.in/rd/research-supervisors/
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

188

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

17

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

2

File Description	Documents
Bibliometrics 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)

NIL

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	No File Uploaded
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

NIIL

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
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) focuses on the all-round development of its students by involving them in community service activities. The college has units like NCC, NSS, Rotaract Club, and Hope for a Change Club, as well as MGNCRE Clubs focused on Greenery, Energy Management, Water Management, Waste Management, and Sanitation & Hygiene. These clubs organize programs to address the needs of nearby villages and run awareness campaigns. These efforts not only benefit the community but also make students aware of social issues.

In the academic year 2023-24, the college achieved significant

results through its community outreach programs and received several awards for its contributions to society. Regular activities include:

- Blood Donation Camps
- Tree Plantation Drives in the college, nearby villages, and surrounding areas
- Support for Orphanages and Old Age Homes through donations of groceries, clothing, and household items
- Support for Government Schools by providing furniture, computers, and other essentials
- Blanket Distribution for people in need across Kakinada
- Clean and Green Initiatives and environmental awareness, including eco-friendly Ganesh idol distribution
- Beach Cleaning and Nature Conservation Programs in Kakinada
- Awareness Rallies and Marathons addressing health issues like heart health, cancer, and more

These activities showcase PEC's dedication to creating a positive social impact while encouraging students to become socially responsible citizens.

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**1681**

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****NIL**

File Description	Documents
Copies of documents highlighting collaboration	No File Uploaded
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.

Pragati Engineering College (PEC) is situated on a 25-acre lush green campus, providing a peaceful academic environment. The campus features modern classrooms with spacious, well-ventilated seating arrangements, ensuring a comfortable learning atmosphere.

The college prioritizes the teaching-learning process, with 70 classrooms designed as per AICTE norms. These classrooms are equipped with Wi-Fi, LCD projectors, glass boards, adequate lighting, and fans to support effective learning.

The campus also includes two seminar halls, one conference hall, and one mini-conference hall, all featuring audio-visual systems, LCD projectors, Wi-Fi, and seating for up to 200 people.

There are two drawing halls, a workshop, and 61 state-of-the-art laboratories, each equipped with necessary tools, safety measures, and display boards to meet academic requirements and foster hands-on learning.

The central library, spanning 2797.96 square meters, has a seating capacity of 300 and includes a digital library with 25 computers connected to Wi-Fi. Additionally, the campus has a video conferencing room with audio-visual facilities to enhance the teaching-learning experience.

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	View File
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)

189.61

File Description	Documents
Upload audited utilization statements	View File
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 B.Tech programs in CSE. Subscriptions to e-resources and journals provide access to a diverse 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:
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)

4.33

File Description	Documents
Audited statements of accounts	View File
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

1153

File Description	Documents
Upload details of library usage by teachers and students	No File Uploaded
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 databases 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 industry standard 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
5282	1064

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 250 Mbps
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File Description	Documents
Details of bandwidth available in the Institution	No File Uploaded
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	B. Any three of the above
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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)
708.08

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

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

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 and sports, 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****3312**

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**0**

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	No File Uploaded

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

290

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	No File Uploaded
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

841

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**22**

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****423**

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****15**

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 in each department includes class representatives (CRs) and girl representatives (GRs) who serve as a link between students, faculty, and the college administration. They communicate student feedback, suggestions, and concerns to

various authorities, such as the student counselor, class teacher, subject teacher, course coordinator, HOD, Deans, Vice Principal, Principal, Director, and Management. This ensures clear and open communication.

The association also works with the administration to organize extracurricular activities, cultural events, and community service programs. Students are actively represented in various academic and administrative bodies, including IQAC, Anti-Ragging Committee, IIC, Library Committee, Discipline Committee, Cultural Committee, and student clubs. These representatives contribute to decisions about library resources, discipline, and other matters, making students key participants in their educational journey.

The impact of student representation at PEC includes:

1. **Empowerment:** Encouraging students to take charge of their education and campus life while building confidence and leadership skills.
2. **Effective Communication:** Strengthening interactions between students, faculty, and administration.
3. **Holistic Development:** Offering a variety of activities and events for skill development, networking, and personal growth.
4. **Inclusive Decision-Making:** Ensuring policies and practices reflect student interests through active participation.
5. **Enhanced Learning Environment:** Promoting a supportive and engaging atmosphere, leading to better student satisfaction and academic success.

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

04

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) values its alumni, who have become successful professionals in various fields and contribute significantly to the college's growth. Their involvement is an important asset that helps PEC achieve greater success.

- 1. Improving Academic Programs:** Alumni share their industry experience to help update and improve the curriculum, ensuring it stays relevant to current trends. They also inspire students by conducting guest lectures, workshops, and seminars.
- 2. Mentoring and Career Guidance:** Alumni guide students with job market insights, career tips, and support in transitioning to the professional world. Their advice and industry connections help students make better career choices.
- 3. Industry Collaboration and Placements:** Alumni strengthen the connection between PEC and the professional world by sharing job opportunities, helping with internships, and participating in campus placements, boosting students' employability.
- 4. Financial and Infrastructure Support:** Alumni offer financial assistance through scholarships and funding for infrastructure development. Their contributions provide better facilities and help students in need.
- 5. Building an Alumni Network:** PEC promotes connections among alumni, students, and faculty through an online portal and alumni events. These interactions encourage knowledge sharing, networking, and professional growth while

fostering a strong sense of community.

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

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 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) is well-known for its commitment to quality engineering education and strong governance practices that align with its vision and mission. The college's management, along with the Principal, ensures that policies and action plans reflect the institution's goals and are clearly communicated to everyone involved.

The Principal works closely with the College Academic Committee, which includes the Vice Principal, Deans, Controller of Examinations, HODs, and senior faculty, to create detailed action plans. These plans are carried out by specialized committees and regularly reviewed by the Principal. PEC's achievements are shared during Academic Council and Governing Body meetings, where feedback is used to continuously improve.

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 State-of-art-infrastructure and building a cohesive, World Class Team and provide need based Technical Education, Research and Development through enhanced

IndustryInteraction

The Institutional Quality Assurance Cell (IQAC) at PEC develops both short-term and long-term plans, setting clear goals and strategies to achieve the college's vision and mission.

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 follows a decentralized and participatory management system to achieve excellence in academics and administration. Faculty, staff, and students are actively involved in governance, creating a sense of responsibility and accountability. The institution has a clear organizational structure with various committees and bodies aligned with its vision and mission.

The Principal leads as the head of academics and administration, while HODs manage their respective departments. Feedback from students and staff is encouraged through suggestion boxes and informal discussions to support continuous improvement. Defined roles and responsibilities ensure smooth operations across the institution. Administrative staff are well-trained to manage tasks efficiently.

Committees are set up for specific college activities, each led by a convener who organizes regular meetings with faculty and student members. The Principal and IQAC periodically review the performance of these committees to maintain their effectiveness.

PEC has a strong system for monitoring and evaluating its activities. Regular assessments are conducted to measure performance and identify areas for improvement. Feedback from faculty, students, and other stakeholders helps refine policies, procedures, and administrative practices. This system enables PEC to adapt to challenges and seize new opportunities effectively.

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 created and implemented a detailed plan to achieve its goals and serve students, faculty, and the community. This plan aligns with the college's mission, vision, values, and objectives. It focuses on improving education quality, promoting academic excellence, and equipping students with the skills and knowledge needed for successful careers.

The plan includes strategies to enhance teaching and learning, boost research and innovation, build strong industry connections, and encourage social responsibility. The college has invested in modern infrastructure, hired experienced faculty, and adopted innovative teaching methods. Partnerships with industry leaders provide students with practical experience and hands-on learning opportunities.

The implementation of this plan has led to noticeable improvements in education and research quality. Pragati Engineering College has received numerous awards for academic excellence and is now a top choice for students pursuing engineering and technology education.

In summary, the college's well-executed plan has strengthened its reputation as a leader in engineering education, driven by its commitment to excellence, innovation, and social responsibility.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
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 has created a detailed plan to achieve its goals and stay aligned with its mission, vision, and values. The plan focuses on improving education and research quality, promoting academic excellence, and equipping students with skills for successful careers.

It includes strategies to enhance teaching, encourage innovation, strengthen industry partnerships, and promote social responsibility. To achieve these objectives, the college has built advanced facilities, hired experienced faculty, and introduced innovative teaching methods. Collaborations with industry leaders provide students with practical learning experiences.

The successful implementation of this plan has significantly improved the quality of education and research. The college has earned awards for academic excellence and has become a top choice for students pursuing engineering and technology education.

In summary, Pragati Engineering College's well-executed plan highlights its dedication to academic excellence, innovation, and social responsibility, establishing it as a leader in engineering and technology education.

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) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	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) supports its faculty with a well-rounded system for career development, focusing on performance reviews, welfare programs, and opportunities for professional growth. These efforts aim to create a positive work environment that promotes faculty well-being and advancement. PEC uses a detailed performance appraisal system to evaluate teaching effectiveness and encourage improvement. The system is fair, transparent, and provides constructive feedback, helping faculty grow professionally. It considers various aspects, such as teaching quality, exam results, research work, administrative contributions, student feedback, and alignment with the college's values. Self-assessments and evaluations by higher authorities ensure a thorough review of each faculty member's contributions and their impact. To further support faculty, PEC offers several welfare programs: • Cash awards for outstanding academic achievements. • Subsidized fees for joining professional societies. • Incentives for publishing research papers. • Sponsorships for attending workshops, seminars, and refresher courses. • Support for part-time and full-time Ph.D. programs. • Assistance for attending summer/winter schools and	

conferences.

- Free transportation for staff.
- Special incentives for long-term service.
- Benefits like EPF, ESI, and group insurance.
- Fee concessions for employees' children.
- Paid maternity leave and other leave options.

These initiatives create a supportive environment at PEC, helping faculty succeed both 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

59

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

12

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.)

28

File Description	Documents
Summary of the IQAC report	No File Uploaded
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) follows a clear and transparent accounting system. Departments and committees request quotations for necessary items, and a supplier is chosen. The purchase committee reviews and approves these decisions to ensure all required equipment and materials for academic and administrative activities are procured during the financial year.

After receiving the items, they are checked against the purchase orders to confirm they meet the expected price, quality, and quantity. External auditors are appointed as required by law to review the college's financial statements. These audits follow standard accounting policies, financial reporting rules, and regulations.

The external auditors check records such as governing body minutes, student fee registers, cash books, receipts, and vouchers. This process verifies the accuracy of the accounting system and confirms the institution's financial health. The finalized audit reports are published on the college website for transparency.

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 clear process for managing funds and using resources efficiently to support academics, administration, infrastructure, research, and other activities. Funds are mainly collected through student fees, government grants, and other income sources.

At the start of each financial year, a budget is prepared to plan for academic and related needs. Each department, through its Departmental Budget Committee, creates its budget for recurring and non-recurring expenses. These departmental budgets are combined by the principal to form the institutional budget, which is reviewed by the finance committee and approved by the governing body.

The main sources of income include tuition fees, hostel and mess fees, bus fees, interest earnings, government grants, and other miscellaneous income. These funds are used wisely for purposes like building infrastructure, improving academic facilities, expanding the library, organizing lectures and workshops, promoting sports and cultural activities, encouraging research, and setting up laboratories.

The finance committee carefully allocates funds to infrastructure, departments, the library, and various committees to ensure proper financial management and maximum efficiency.

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 played a key role in improving the quality of education. Its efforts have transformed the college into a center of academic excellence, focusing on Outcome-Based Education (OBE) and student mentorship.

Outcome-Based Education (OBE): IQAC led the adoption of OBE principles, aligning learning objectives with the curriculum and assessments. This ensures that students meet their educational goals, resulting in better learning outcomes.

Continuous Assessment: Students are regularly evaluated through different methods, allowing teachers to adjust their teaching strategies. Rubrics and constructive feedback ensure fair and consistent assessments, helping students achieve their learning objectives.

Feedback Collection: IQAC collects feedback from students, alumni, and industry partners to keep education relevant to changing student and industry needs.

Student Mentorship and Growth: The mentorship program introduced by IQAC provides personalized support, career guidance, emotional assistance, and goal-setting help. This approach supports students academically, personally, and professionally, preparing them for future challenges.

These initiatives have greatly improved education quality and institutional performance, as confirmed by feedback from students, faculty, and employers. The IQAC has truly been a driving force for positive change at Pragati Engineering College.

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) is committed to providing top-quality engineering education and continuously improving its standards. To achieve this, PEC has set up an Internal Quality Assurance Cell (IQAC) in line with accreditation requirements. The IQAC plays a key role in enhancing education quality by planning and implementing improvement strategies.

The IQAC regularly evaluates teaching and learning processes, including curriculum design, teaching methods, classroom activities, student participation, and faculty development. Feedback from stakeholders, collected through surveys, helps identify areas for improvement and enhance the overall learning experience.

The cell also reviews infrastructure such as labs, library resources, ICT facilities, and administrative systems to meet modern educational needs. Learning outcomes are measured through exam results, project work, internships, and feedback from stakeholders to identify areas requiring attention and create a dynamic learning environment.

To support faculty development, the IQAC organizes workshops, seminars, and training programs, helping teachers improve their teaching methods, subject knowledge, and research skills. By focusing on both student and faculty growth, PEC ensures students are well-prepared for successful careers in engineering.

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 significant strides in promoting gender equity and inclusivity. Over the past five years, PEC has launched gender sensitization programs to address unconscious biases, challenge stereotypes, and foster a respectful campus environment. With 40% female staff and 45% female students, women play active roles in leadership and policymaking. The college celebrates Women's Day annually and organizes discussions on women's contributions to society.

PEC ensures safety with security guards, CCTV surveillance, well-lit pathways, and reserved bus seats for female students. Self-defense training programs are conducted, and an online grievance system promptly addresses issues of harassment or discrimination. The Women Empowerment and Grievances Cell actively handles related matters.

The college offers counseling services with professional support for mental wellness, stress, and interpersonal issues. Facilities like visitor rooms, a dispensary with a doctor and nurse, ladies' common rooms, a gym, and yoga spaces are provided. PEC also encourages female students through financial aid, prizes, and awareness of government scholarships.

Collaborating with local authorities, the Internal Complaints Committee promotes awareness of women's legal rights, workplace safety, and "She Laws." PEC remains committed to creating an inclusive, safe, and empowering environment for everyone.

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
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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 dedicated to sustainability and environmental care. The college has implemented effective waste management practices to reduce its environmental impact and encourage a culture of recycling and responsible waste disposal.

Degradable Waste: PEC manages organic waste from the canteen and kitchens through composting units. These units convert waste into nutrient-rich compost, used for landscaping and maintaining green spaces.

Non-Degradable Waste: Waste like plastic, paper, and metal is segregated and recycled. Recyclable waste is collected in bins placed throughout the campus and processed by authorized agencies. Single-use plastics are banned, and paper use is minimized.

Solid and Liquid Waste: Dead leaves and biodegradable dry waste are composted. A 50kld sewage treatment plant ensures treated water is used for irrigation and cleaning. Eco-friendly floor cleaners are used.

E-Waste: Electronic waste is collected and sent to authorized recyclers. PEC also adopts buy-back agreements for electronics and uses only energy-efficient LED lighting.

Water Conservation: Rainwater is harvested and stored for gardening and cleaning. Percolation ponds improve groundwater levels, and awareness posters promote water conservation.

PEC regularly conducts awareness drives through NCC and NSS to educate its community on waste management and sustainability.

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

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	D. Any 1 of the above
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
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: Human assistance,	B. Any 3 of the above
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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) and MITS are committed to creating an inclusive environment that values diversity and promotes communal harmony. Through cultural celebrations, scholarships, multilingual training, and awareness programs, these institutions foster unity and respect among students and staff.

PEC organizes events like traditional festivals, intercultural competitions, and exchange programs, encouraging students from different backgrounds to appreciate and embrace diversity. PEC emphasizes teacher development, equipping educators to accommodate diverse learning styles and cultural practices.

PEC host students and faculty from across India, enriching campus with cultural and linguistic diversity. Central and private scholarships, along with a dedicated student welfare cell, further support inclusivity. Regular workshops, seminars, and discussions on communal harmony and social cohesion help build empathy, respect, and understanding. These efforts not only enhance the educational experience but also prepare students to thrive in a diverse, globalized world.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:	
PEC helps its community members develop the knowledge and skills to positively contribute to society by teaching democratic principles, ethical values, and social responsibilities. The goal is to shape future leaders who will support constitutional values, promote inclusivity, and work towards a fair and prosperous nation. PEC goes beyond academics by recognizing the importance of value education in building character and ethical behavior. Through workshops, seminars, and discussions, students learn about integrity, respect, empathy, and inclusivity, which are integrated into the curriculum for real-life application. The college also ensures that students and staff understand their rights as citizens by organizing sessions and guest lectures with legal experts. At the same time, PEC emphasizes the importance of fulfilling responsibilities, such as respecting others' rights, paying taxes, and participating in the democratic process. PEC encourages civic engagement and community welfare through volunteer programs, social initiatives, and outreach activities, promoting empathy, compassion, and social responsibility. Ethical leadership is another key focus, with leadership development programs that train students and staff to handle ethical challenges and make sound, morally responsible decisions. Transparency, accountability, and integrity are emphasized for those in leadership roles. Lastly, PEC maintains a safe and inclusive environment by offering programs that promote gender equality, respect diversity, and prevent discrimination and harassment. This creates a space where individuals can exercise their rights and responsibilities without fear or bias.	

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
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

B. Any 3 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 well-known institution that takes pride in celebrating various national and international days, events, and festivals. The college believes that these celebrations not only improve students' academic experience but also support their overall growth. Some of the national and international days celebrated at the college include National Science Day, International Women's Day, World Environment Day, International Yoga Day, and World Mental Health Day. The college organizes activities, competitions, and seminars to raise awareness about these events.

In addition to these days, the college also celebrates festivals like Diwali, Christmas, Holi, and Eid with great enthusiasm. Students work together to organize cultural programs, food stalls, and other festive activities. These celebrations help students appreciate different cultures and create a sense of unity and harmony among them.

The college also hosts sports events, technical fests, and cultural fests throughout the year, offering students a chance to showcase their skills and talents. These events are not only fun but also provide valuable learning experiences.

Pragati Engineering College's committed to organizing and celebrating national and international events reflects its dedication to the overall 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 clear learning outcomes.
- Improve student skills to meet industry standards.
- Encourage critical thinking and problem-solving.

Context: Adopting Outcome-Based Education (OBE) requires flexibility. Pragati Engineering College focused on aligning the curriculum and assessments to industry needs and accreditation standards, creating a student-centered learning environment.

Practice:

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

Success:

- Improved academic performance.
- 80% placement rate in top companies.
- Positive feedback from employers on students' job readiness.

Challenges & Resources:

- Resistance to change.
- Need for ongoing faculty training.
- Required data analysis tools and industry collaboration.

Best Practice 2: Quality Assurance in Teaching-Learning

Objectives:

- Ensure effective teaching.
- Enhance faculty skills.
- Integrate technology in teaching.
- Prepare students for industry readiness.

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

Practice:

- **Faculty Training:** Ongoing development in teaching methods and technology use.
- **NPTEL & Eduskill:** Provided industry-aligned courses to supplement learning.
- **Feedback:** Collected regular student feedback to improve teaching methods.
- **Mentorship:** Faculty mentors supported students both

academically and personally.

Success:

- Increased placement rates.
- Improved teaching effectiveness.
- High engagement in NPTEL and Eduskill programs.

Challenges & Resources:

- Adapting to new technology.
- Ensuring access to resources.
- Providing continuous faculty training.

File Description	Documents
Best practices in the Institutional website	https://pragati.ac.in/naac/bestpractices/
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 great progress in encouraging self-learning among students, focusing on career readiness and technical skills. The college stands out for promoting independent learning and hands-on experience. It encourages students to take part in NPTEL (National Programme on Technology Enhanced Learning) courses and internships through AICTE Eduskill. This approach helps students develop important industry skills, keeping them ahead in the fast-changing tech world.

Through NPTEL courses, students gain strong theoretical knowledge, while Eduskill internships provide practical experience, bridging the gap between academics and the workplace. These initiatives have led to strong placement results, with an 80% on-campus placement rate and good job offers for students. Companies are increasingly interested in graduates from Pragati Engineering College because of their well-rounded technical skills and proactive approach to learning. As a result, the number of job offers and salary packages has increased in recent years. This focus on self-learning and industry-related training

shows the college's dedication to preparing students for successful careers and positions it as a leader in engineering education.

File Description	Documents
Appropriate link in the institutional website	https://pragati.ac.in/naac/institutional-distinctiveness/
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- Achieve a NIRF ranking in the 200-300 band through strategic academic and institutional improvements.
- Apply for NBA Tier-I accreditation for all eligible branches to enhance academic standards.
- Secure more funded research projects by fostering a strong research culture and collaborations.
- Expand consultancy opportunities by leveraging faculty expertise and industry connections.
- Improve core sector placements for ME, EEE, and Civil students through targeted training and partnerships.
- Strengthen the faculty team by recruiting a higher number of Ph.D.-qualified professionals.