Internal Quality Assurance Cell (IQAC)

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT (ACADEMIC YEAR: 2024-25)

Date of Audit:

Name and Designation of Audit Member-1:

Name and Designation of Audit Member-2:

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Needs improvement
A	B	C	D

Details of Programmes in the college:

S.No.	Name of the Programme	Sanctioned Strength	Actual Strength
UG			
1	B.Tech-CE	66	58
2	B.Tech-EEE	66	60
3	B.Tech-ME	66	58
4	B.Tech-ECE	264	264
5	B.Tech-CSE	396	393
6	B.Tech-IT	66	66
7	B.Tech-CSE(AIML)	198	198
8	B.Tech-CSE(DS)	198	197
9	B.Tech-CSE(AI)	198	198
10	B.Tech-CSE(CS)	66	66
11	M.Tech-CAD/CAM	18	11
12	M.Tech-PEED	18	14
13	M.Tech-CSE	18	17
14	M.Tech-VLSISD	9	4
UG and PG Total		**1647**	**1604**

1.Curricular Aspects				
S.No.	**Item**	**HEIs i/p**	**Grade**	**Remarks**
1.1	Curricula developed /adopted have relevance to the local/national /regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all programs offered by the Institution	The curricula of the institution are systematically structured to address developmental requirements at the local, national, regional, and global levels. Each academic program incorporates well-defined Program Outcomes (POs), Program-Specific Outcomes (PSOs), and Course Outcomes (COs), ensuring outcome-based, holistic education that equips students with the competencies required for diverse professional and societal roles.	A	
1.2	No. of new courses introduced of the total number of courses across all programs	CE: 05 Courses EEE: 18 Courses ME: 05 Courses ECE: 12 Courses CSE: 16 Courses CSE(AIML): 09 Courses CSE(AI): 13 Courses CSE(DS): 8 Courses CSE (CS): 18 Courses IT: 10 Courses	A	
1.3	Is Choice Based Credit System (CBCS) / Elective course system has been implemented	Elective course system is being implemented	A	
1.4	Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	Courses like '**Environmental Science**', '**Renewable Energy Engineering**', '**Disaster Management**', '**Sustainable Energy Technologies**', **Water Resource Engineering**' which) have been added to the curriculum. To promote sustainability and environmental responsibility, the curriculum has been enriched with courses such as **Environmental Science**, **Renewable Energy Engineering**, **Disaster Management**, **Sustainable Energy Technologies**, and **Water Resource Engineering**, which	A	

		collectively align with the **United Nations Sustainable Development Goals (SDGs)**—particularly **SDG 6 (Clean Water and Sanitation)**, **SDG 7 (Affordable and Clean Energy)**, **SDG 11 (Sustainable Cities and Communities)**, **SDG 12 (Responsible Consumption and Production)**, and **SDG 13 (Climate Action)**.		
1.5	Number of Value-added courses imparting transferable and life skills offered	CE: 02 EEE: 02 ME: 12 ECE: 09 CSE: 37 CSE(AIML): 02 CSE(AI):01 CSE(DS): 16 IT: 02	A	
1.6	Feedback on curriculum and other aspects from stakeholders	Structured feedback was collected from relevant stakeholders and rigorously analyzed. The Board of Studies (BoS) utilized these inputs to refine and enhance the curriculum, ensuring its relevance to contemporary educational needs and dynamic industry expectations.	A	

2.Teaching-Learning and Evaluation				
S.No.	**Item**	**HEIs i/p**	**Grade**	**Remarks**
2.1	Demand Ratio (% of students admitted)	CE UG:87.94% EEE : UG :97.18% PG :52.78% ME : UG :85.68% PG :50.00% ECE : UG :99.03% PG : 50.00% CSE : UG :99.43% PG :91.67% IT : UG :98.58% CSE(AIML) : UG : 99.48% CSE(DS) : UG : 98.25% CSE (AI) : UG : 97.44% CSE (CS) : UG : 99.28%	A	
2.2	Number of full-time teachers	CE: 20 EEE: 27 ME: 35 ECE: 64 CSE: 35 IT: 9 CSE(AIML): 14 CSE(DS): 10 CSE (AI): 8 BS&H: 54	B	
2.3	Number of students enrolled	CE : UG :248 EEE : UG :414 PG :19 ME : UG : 365 PG :18 ECE : UG :1331 PG :9	A	

		CSE: UG :1038 PG :33 IT : UG :278 CSE(AIML) : UG :770 CSE(DS) : UG :619 CSE (AI): UG:684 CSE (CS): UG:137		
2.4	Student - Full time teacher ratio	CE: 9.50 EEE:13.81 ME: 9.29 ECE:16.81 CSE:19.31 IT: 31.4 CSE(AI&ML):40.86 CSE(DS): 42.20 CSE (AI): 60.75 BS&H: 29.70	B	
2.5	No. of permanent faculty with Ph.D	CE: 2 EEE: 2 ME: 4 ECE: 11 CSE: 8 IT: Nil CSE(AIML): 1 CSE(DS): Nil CSE (AI): Nil BS&H: 08	C	
2.6	Average teaching experience of full time teachers in years	CE: 5 EEE: 7 ME: 8 ECE: 10 CSE: 10 IT: 5 CSE(AIML): 8 CSE(DS): 6 CSE (AI): 8 BS&H: 12	A	
2.7	Total No. of teaching days	90 Days	A	
2.8	Preparation and adherence to Academic Calendar and Teaching plans	The Academic Calendar, prepared and circulated by the Principal, specifies semester timelines, available working days, syllabus completion targets, examination schedules, national holidays, and significant institutional observances. Faculty members develop structured lesson plans in accordance with the Academic Calendar and adhere to its academic requirements. The Academic Calendar, issued by the Principal, outlines semester timelines, available working days, syllabus completion targets, examination schedules, national holidays, and significant institutional observances. Faculty members develop lesson plans aligned with the Academic Calendar and adhere to its academic mandates.	A	
2.9	Innovative processes adopted in Teaching and Learning	The college has embraced innovative teaching methods, leveraging technology such as virtual labs, simulations, and flipped classrooms to enhance learning experiences. Integration of project-based learning, industry collaborations, and interdisciplinary approaches fosters	A	

		practical skills and critical thinking among students, preparing them for real-world challenges in the ever-evolving engineering landscape. Innovative pedagogical practices, including the use of virtual labs, simulations, and flipped classroom models, are systematically implemented to enhance teaching–learning effectiveness. Project-based learning, industry engagement, and interdisciplinary integration further enable students to acquire practical skills, problem-solving abilities, and critical thinking essential for contemporary engineering practice.		
2.10	Teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, MOODLES etc.	Faculty members effectively utilize ICT facilities in the teaching–learning process. The Learning Management System (LMS) is partially implemented to support course delivery and student engagement. Faculty members also enhance instructional quality by integrating NPTEL resources into their teaching practices.	B	
2.11	Remedial Classes for slow learners and backlog students	Remedial classes are conducted regularly for students who secure less than 50% marks in mid-semester examinations and for those having three or more backlog subjects, with the objective of improving academic performance and learning outcomes.	A	
2.12	GATE Classes for Advanced Learners	GATE coaching classes are conducted by the institution in the Departments of Electronics and Communication Engineering, Civil Engineering, Mechanical Engineering, Information Technology, and Computer Science and Engineering to support students in competitive examination preparation.	A	
2.13	Mentoring System	The institution has adopted a formal mentoring mechanism involving faculty mentors, with an allocation of 20–24 students per mentor. Regular counselling and systematic monitoring are carried out to track students' academic progress and overall well-being.	A	

2.14	Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, etc.	Yes. Adequate infrastructure facilities such as classrooms, laboratories, computing equipment, and allied resources are available to support effective teaching–learning processes.	A	
2.15	Advanced Research Centres	The Departments of Electrical and Electronics Engineering (EEE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), and Computer Science and Engineering (CSE) are recognized as Research Centres by **Jawaharlal Nehru Technological University Kakinada (JNTUK), Kakinada**.	B	
2.16	Teachers attending professional development programs	CE: 12 EEE: 34 ME: 14 ECE: 56 CSE: 18 BS&H: 09 CSE(AI&ML):06 CSE(DS): 64 CSE(AI): 41 IT: 26	A	
2.17	Organisation of Guest Lectures, Industrial Visits, Workshops, etc.,	CE: 05 EEE: 06 ME: 06 ECE: 03 CSE: 08 IT: 03 BS&H: 04 CSE (AIML): 04 CSE (DS): 06 CSE(AI): 01 CSE(CS): 03	B	
2.18	Online Certification Programmes	CE: 12 EEE: 33 ME: 33 ECE: 181 CSE: 21 CSE(DS): 276 CSE(AIML): 18 CSE(AI): 01 CSE(CS): 244 IT: 162 BS&H: 04	A	
2.19	Student Professional Society Chapter and Association Activities	CE: 21 EEE: 10 ME: 13 ECE: 03 CSE: 19 CSE(DS): 07 CSE(AI): 11	A	
2.20	No. of Students undertaking field projects / internships	CE: Main Project:58 Internships:178 EEE: Main Project:138 Internships:141 ME: Main Project:122 Internships: 237 ECE: Main Project:356 Internships:1023 CSE: Main Project:216 Internships: 926 CSE(DS):Main Project: 72 Internships: 280 CSE(AIML): Main Project:144 Internships:211 IT: Main Project:71 Internships:421 CSE(AI):Main Project:19 Internship: 859	A	
2.21	Dissemination of PEOs, POs, PSOs, COs	The information is disseminated at prominent locations including the Institute Website, Notice Boards, Department	A	

		Offices, and the Library to ensure effective communication to all stakeholders.		
2.22	Attainment of COs, POs, PSOs	Attainment of COs, POs, PSOs is partially Completed	C	
2.23	Online student satisfaction survey	The institution systematically administers Teaching–Learning surveys thrice per semester, supplemented by course-end feedback, to monitor teaching effectiveness and implement improvements for enhanced learning outcomes.	A	

3.Research and Innovation				
S.No.	**Item**	**HEIs i/p**	**Grade**	**Remarks**
3.1	The institution has a well-defined policy for promotion of research	Available	A	
3.2	The institution provides seed money to its teachers		C	
3.3	Teachers recognised as research guides	EEE: 02 ME: 02 ECE: 04 CSE: 03 CSE(AIML): 01 BS&H: 02	C	
3.4	Sponsored research Projects and consultancy	01	D	
3.5	Workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices	Workshops and seminars on Intellectual Property Rights (IPR) and Industry–Academia Innovative Practices are systematically conducted to enhance students' understanding of innovation management, patent filing, and collaborative industrial research. Programs conducted on Intellectual Property Rights (IPR) : **9** Programs conducted on Innovation, Start-up and Entrepreneurship : 16	A	

3.6	Research Publications in SCI/Scopus/ WoS etc., Journals	CE: 00 EEE: 00 ME: 01 ECE: 13 CSE: 10 IT: 00 CSE(AIML): 03 CSE(DS): 00 BS&H: 03	C	
3.7	No. of Faculty participated in conferences and symposia	ME: 04 ECE: 11 CSE: 03 IT: 00 CSE(AIML): 02 CE: 01 BS&H: 06 CSE(DS): 04	B	
3.8	Books and chapters in edited volumes / books published, and papers in national/international conference-proceedings.	ME:01 ECE: 07 CSE: 04 IT: 03 CSE(AIML): 02 CE:0 CSE(DS): 00 BS&H: 01	C	
3.9	Revenue generated from Consultancy		D	
3.10	Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc.	Pragati Engineering College (PEC) has established strong collaborations with reputed institutions and industries, providing students with enriching internships and on-the-job training opportunities. By engaging in hands-on learning and utilizing state-of-the-art research facilities, students develop practical skills and industry-ready competencies, ensuring they graduate as innovative professionals.	A	
3.11	Functional MoUs	15	A	

4.Central library Facility				
S.No.	**Item**	**HEIs i/p**	**Grade**	**Remarks**
4.1	Library is automated using Integrated Library Management System (ILMS)	Koha http://10.10.7.158:9090/	A	
4.2	Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment	Yes	B	

4.3	Does the institution have the following: e – journals, e-ShodhSindhu, Shodhganga membership, e-books, Databases	DELNET	A	
4.4	Expenditure for purchase of books and journals	5,08,382/-	A	
4.5	Availability of digital library with a provision for remote access on intranet	YES	A	
4.6	Per day usage of library by teachers and students	300 Nos.	A	
4.7	No. Of Titles, Volumes and Print Journals (As on 1.7.2022)	10543 54331 61	A	

5.Examination Section				
S.No.	**Item**	**HEIs i/p**	**Grade**	**Remarks**
5.1	Number of days from the date of last semester-end/ year- end examination till the declaration of results	37	A	
5.2	Percentage of student complaints/grievances about evaluation against total number appeared in the examinations	4.93	A	
5.3	Percentage of applications for revaluation leading to change in marks	1.78	A	
5.5	Status of automation of Examination division along with approved Examination Manual	Automated. Examination manual is approved	A	
5.6	Pass percentage of outgoing students	91.16	A	

6. Amenities and Sports facilities				
S.No.	**Item**	**HEIs i/p**	**Grade**	**Remarks**
6.1	The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.,) and cultural activities	Out Door: Kho-Kho, Kabadi, Volley Ball, Basket Ball, Cricket, Throw Ball, Tennicoit,	A	

		Gym & Yoga Centre (Present)		
6.2	Awards/medals for outstanding performance in sports, Yoga /cultural activities at national/international level	National - 08 State Level - 02	A	
6.3	Number of sports, Yoga and cultural activities / competitions organised at the institution level.	Sports: 08 Games : 15 Yoga : Yes Cultural: 08	A	

7.Internet Connectivity				
S.No.	**Item**	**HEIs i/p**	**Grade**	**Remarks**
7.1	Institution frequently updates its IT facilities including Wi-Fi	Wi-Fi enabled campus	A	
7.2	Student - Computer ratio	Total number of computers for academic purpose: 1349 Student - Computer ratio: 4.42	A	
7.3	Available bandwidth of internet connection in the Institution	750 Mbps	A	
7.4	Facilities for e-content development such as Media centre, recording facility, Lecture Capturing System (LCS)	Recording Facility is available.	A	

8.Placements and Higher Education				
S.No.	**Item**	**HEIs i/p**	**Grade**	**Remarks**
8.1	Capability enhancement and development schemes	• CRT Program • Mock interviews by industry experts • Sessions by Industry Experts	A	
8.2	No of students benefited by guidance for competitive examinations and career counselling offered by the institution	23	B	

8.3	Number of placements of outgoing students	**Offers: 1649** **Students: 989**	A	
8.4	Students Qualified in Competitive Examinations	**Higher Studies:** Inside India : 06 Outside India : 17	B	

9.Alumni Engagement				
S.No.	**Item**	**HEIs i/p**	**Grade**	**Remarks**
9.1	The Alumni Association / Chapters	PEC Alumni Association was established in 2006	A	
9.2	Alumni contributions	Guest Lectures:03 Mock Interviews:04 Rs.5.10 Lakhs was contributed by 1020 students	A	
9.3	Alumni Association / Chapters meetings Conducted	Alumni Meet is conducted Once in a Year	A	

10.Social service and Extension activities				
S.No.	**Item**	**HEIs i/p**	**Grade**	**Remarks**
10.1	Initiatives taken to engage with and contribute to local community	1. Swachhata Hi Seva 2. Kakinada Beach Cleaning programme	A	
10.2	No. of Activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national social cohesion as well as for observance of fundamental duties integration and communal harmony	1. Blood Donor Day 2. International Yoga day 3. Time Management Seminar 4. NSS Day 5. Unity Day 6. Viksit Bharat Essay Contest 7. Voters Day 8. Republic Day Celebration	A	The institution offers a mandatory audit course on Social Responsibility for all students. As part of this course, every student actively participates in social responsibility and community engagement activities, fostering ethical values,

				civic consciousness, and holistic development.
10.3	Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development	1. General Election Volunteering 2. "NashaMukt Bharat Abhiyaan" 3. Anti Drug Awareness 4. Independence day Celebrations	A	
10.4	Awards and recognition received for extension activities	1. NSS Unit and NSS PO felicitated by Rotary Blood Bank, Kakinada in College Campus for Blood Donations on 19-12-2024	A	
10.5	Extension and outreach programs conducted in collaboration Government Organisations, Non-Government Organisations	1. Blood Donation Camp in association with Govt Blood Banks, IRCS, Rotory Blood Bank	A	
10.6	Number of students participating in extension activities	1281	A	
10.7	Village adaptation	Surampalem ,Gandepalli Mandal	A	
10.8	NCC (Awards)	1. In the year 2024 AP2023SWA017635 CDT Nathi Neha Bharati has represented Pragati Engineering College in the RDC (IGC)-2025 held at Secunderbad. 2. In the year 2025 AP2024SDIA0551169 CDT Kette Navadeep has represented Pragati Engineering College in the Special National Integration Camp held at Sri Prakash Devancheruvu. 3. In the year 2025 AP2023SWA010003 SGT V. DIVYA has represented Pragati Engineering College	A	

		in the IGC RDC-2026 held at MILITARY garrison, Secunderbad. 4. In the year 2025 AP2023SWA017633 SGT Pediredla Naga Sri has represented Pragati Engineering College in the PRE-RDC-3-2026 held at secunderbad. 5. In the year 2025 AP2024SDIA0550487 CDT Pitta Srinivas has represented Pragati Engineering College in inter directorate sports shooting championship launcing camp held at JNTUK. 6. In the year 2024 AP2023SDA011791 SGT Yarnagula Mohith has represented Pragati Engineering College in the PRE-RDC-2 -2025 held at Secunderbad. 7. In the year 2025 AP2023SDA011791 CSUO Yarnagula Mohith has represented Pragati Engineering College in the Special National Integration Camp held at Srinagar, J&K. 8. In the year 2025 AP2023SDA011791 CSUO Yarnagula Mohith from Pragati Engineering College awarded medal for his exceptional contribution to 18(A) BN NCC, Kakinada group. 9. In the year 2025 AP2023SDA010006 CDT Penkey Nanda Sri Gopal has represents Pragati Engineering college in the Advance Leadership Camp at		

		Karimnagar at kamala institute of technology and science adn, he got 2nd price in essay writing. 10. In the year 2025 AP2023SWA010011 CDT M. Sri Bhanu Satyadurga has represented Pragati Engineering College in inter directorate sports shooting championship held at Kolhapur, maharastra. 11. In the year 2025 AP2023SDA009966CJUO Vinjamuri V S Kameswara Sai Rama Sanjeev has represented Pragati Engineering College in the PRE-RDC-3-2026 held at Secunderbad.		

11.Administrative Procedures				
S.No.	**Item**	**HEIs Input**	**Grade**	**Remarks**
11.1	Budget allocation, excluding salary for infrastructure augmentation	Rs. 511.2 Lakhs	A	
11.2	Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component	Rs. 883.36 Lakhs	A	
11.3	Established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.	Standard procedures are being followed.	A	
11.4	Students benefited by scholarships and freeships provided by the Government.	3705	A	

11.5	Students benefited by scholarships, freeships, etc. provided by the institution besides government schemes	400 students are benefited. Rs. 445.172 lakhs has been spent by the Management	A	
11.6	Support to differently abled students	Facilities like ramps at all important places is in place. Also, wheel chair is made available in the ground floor. The institution ensures an inclusive and barrier-free environment by providing ramps at all important locations. Additionally, wheelchairs are made available on the ground floor to facilitate ease of access for persons with disabilities.	A	
11.7	Transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases	All statutory provisions as prescribed by the regulatory and affiliating bodies are duly complied with and are in place.	A	
11.8	Presence of an active Student Council & representation of students on academic & administrative bodies/committees	The Student Association actively collaborates with the college administration to organize a wide range of extra-curricular activities, cultural events, and community service initiatives, fostering leadership skills, social responsibility, and holistic student development.	A	

12.Governance, Leadership and Management				
S.No.	**Item**	**HEIs Input**	**Grade**	**Remarks**
12.1	Governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution	The Governing Body of the college meets twice a year to deliberate on key issues and strategic aspects related to the overall development of the institution. It reviews and considers the recommendations of statutory	A	

		and advisory bodies such as the Academic Council, Boards of Studies, and formulates a clear roadmap to achieve the institutional goals. Minutes of every meeting are systematically recorded and circulated to all members. An Action Taken Report (ATR) is also prepared after each meeting and shared with the members to ensure effective implementation and follow-up.		
12.2	Decentralization and participative management	The institution follows a proactive and participative management system. Academic and administrative responsibilities are decentralized and effectively delegated among faculty members through various committees and cells such as Examinations, Career Guidance Cell, Research & Development, Training & Placement Cell, Sports, and other functional units, ensuring efficient governance and collective decision-making.	A	
12.3	Perspective/Strategic plan and deployment documents	Selective agenda items of the institutional strategic plan are deliberated in the Governing Body meetings, and the decisions taken are systematically communicated to all departments for effective implementation.	A	

12.4	Organizational structure of the Institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism	The organizational structure of the institution is clearly defined and displayed on the institutional website. All functional committees are active, and the Minutes of Meetings are regularly documented and published on the website. The institution has well-defined policies, all of which are made available on the institutional website to ensure transparency and effective governance.	A	
12.5	Implementation of e-governance in areas of operation	The institution has implemented e-governance systems across the following key areas of operation to enhance efficiency, transparency, and accountability: • Administration • Finance and Accounts • Student Admission and Support • Examination	A	
12.6	Effectiveness of various bodies/ cells/ committees is evident through minutes of meetings and implementation of their resolutions	The effectiveness of various bodies, cells, and committees is demonstrated through regular meetings, proper documentation of Minutes of Meetings, and systematic implementation of the resolutions passed. Responsibilities are clearly assigned, and progress is regularly monitored through Action Taken Reports, ensuring accountability and effective execution of academic and administrative decisions.	A	
12.7	Welfare measures for teaching and non-teaching staff	The institution ensures staff welfare and motivation through a range of benefits and support mechanisms.	A	

		These include service awards for employees completing 10 and 15 years of dedicated service, group insurance coverage, free transport facilities, paid maternity and medical leave, Provident Fund (PF) and Employees' State Insurance (ESI) facilities, and provision of academic leave to encourage professional development.		
12.8	Performance Appraisal System for teaching and non-teaching staff	The institution conducts both self-appraisal and performance appraisal of faculty and staff once every semester. Based on the appraisal outcomes, best performers are recognized and rewarded with additional incentives, promoting a culture of accountability, motivation, and continuous improvement.	A	
12.9	Institutional strategies for mobilisation of funds and the optimal utilisation of resources	The institution conducts both self-appraisal and performance appraisal of faculty and staff once every semester. Based on the appraisal outcomes, best performers are recognized and rewarded with additional incentives, promoting a culture of accountability, motivation, and continuous improvement.	A	
12.10	Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies		C	

13. IQAC				
S.No.	**Item**	**HEIs Input**	**Grade**	**Remarks**
13.1	Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes	The institution has undertaken several quality assurance initiatives to strengthen academic and administrative processes. Academic and Administrative Audits (AAA) are conducted periodically to ensure continuous improvement. The college is accredited by NBA for ECE, CSE, EEE, Mechanical Engineering, and IT programs, and is also accredited by NAAC. The institution regularly organizes seminars and workshops for students and staff, and collaborates with reputed institutions to conduct quality-focused academic events. Further, the college actively participates in the NIRF ranking process to benchmark its performance at the national level.	A	
13.2	The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms	The Internal Quality Assurance Cell (IQAC) periodically reviews the teaching–learning processes, academic structures, pedagogical methodologies, and learning outcomes to ensure continuous quality enhancement. The institution consistently keeps pace with emerging pedagogical trends and integrates industry-relevant practices to align academic delivery with evolving industry requirements.	A	
13.3	Quality initiatives by IQAC for promoting quality culture	The institution has effectively implemented Outcome-Based Education (OBE) to ensure alignment between curriculum delivery, learning outcomes, and assessment practices. A structured student mentorship system is in place to support academic	A	

		progress, personal well-being, and holistic development, enabling students to achieve academic excellence, professional readiness, and overall growth.		

Best Practices followed in the Institute:

Best Practice 1:

Pragati Engineering College has adopted the **Practical Implementation of Outcome-Based Education (OBE)** as a best practice to align teaching, learning, and assessment with clearly defined learning outcomes, ensuring graduates meet industry expectations and accreditation standards. Moving beyond traditional content-driven education, the institution established a structured and adaptable OBE framework across all departments, with a strong focus on student-centered learning and continuous quality improvement. Curriculum mapping was systematically carried out to align Course Outcomes (COs) and Program Outcomes (POs) with industry needs, emerging technologies, and regulatory guidelines. To support effective implementation, regular Faculty Development Programs (FDPs) were conducted to train faculty on OBE concepts, innovative pedagogy, and outcome-based assessment methods.

A variety of assessment and evaluation tools, including well-defined rubrics, were developed to measure outcome attainment by assessing conceptual understanding, practical skills, and critical thinking. A continuous improvement cycle was institutionalized through systematic analysis of assessment data and implementation of corrective actions to enhance teaching and learning processes. The effectiveness of this practice is reflected in improved academic performance, enhanced problem-solving abilities, and increased student participation in national-level competitions and hackathons. Nearly 80% of students secured placements in reputed companies, with employers providing positive feedback on graduates' technical competence and job readiness. Despite initial challenges such as resistance to change and assessment design difficulties, sustained faculty training, data-driven review mechanisms, and industry collaboration have ensured the successful and sustainable implementation of OBE at Pragati Engineering College.

Best Practice 2:

Pragati Engineering College (Autonomous) has established a robust digital-first internship ecosystem as a best practice by strategically leveraging the AICTE–EduSkills Virtual Internship Cohort Programs to enhance student employability, industry readiness, and institutional excellence. The primary objective of this practice is to bridge the gap between academic learning and industry-required skills by enabling large-scale student participation in nationally recognized virtual internships aligned with emerging technologies. Through systematic planning, strong institutional coordination, and active student

mentoring, the college ensured maximum enrollment, completion, and performance across multiple cohorts of the EduSkills program. From October 2024 to July 2025 alone, students successfully completed 3,785 virtual internships in the 10th Cohort, 3,552 in the 11th Cohort, and 2,320 in the 12th Cohort, demonstrating sustained engagement and outcome-driven participation. This large-scale accomplishment led Pragati Engineering College to secure **All India 1st Rank under the Engineering Category** by AICTE–EduSkills, recognizing its exemplary contribution to the mission of *"Building the Digital Workforce of Tomorrow."*

The practice emphasizes structured orientation programs, continuous monitoring, faculty-led mentoring, and integration of internships into the academic ecosystem through Centers of Excellence (CoEs). As a result, the institution received multiple national-level recognitions at the **Next Gen Skill Conclave – EduSkills CoE Connect 2025**, including awards for Best Performing Institute in Microchip, Ansys, Juniper, Zscaler, and EduSkills Academy Internship Domains, along with the prestigious **"Star Performing Engineering Institute in India – 2025."** Individual and departmental excellence was also recognized through awards such as Best Performing CoE Coordinator, AI Skilling Excellence

Suggestions for improvement:

1. Research centers exist but need stronger research output. Promote active research projects, publications, and Ph.D registrations.
2. Industry interaction activities are moderate. Increase the number of guest lectures and industrial visits through active MoUs.
3. Limited internal research funding is provided. Allocate seed money to motivate faculty to initiate research projects.
4. The number of approved research guides is limited.Support eligible faculty to obtain research guide recognition.
5. Very few externally funded projects are undertaken. Encourage faculty to apply for funded projects from government and funding agencies.
6. Publications in indexed journals are moderate. Motivate faculty to publish in SCI/Scopus journals with incentives and training.
7. Scholarly book publications are limited. Encourage faculty to contribute book chapters and conference proceedings.
8. Consultancy activities are minimal. Establish a consultancy cell and promote industry-based consultancy work.
9. Faculty participation in conferences is limited. Provide financial and academic support for national and international conferences.
10. Moderate number of students opted for higher studies. Improve career counseling and alumni mentoring for higher education.

11. ICT tools and LMS are partially implemented. Ensure full adoption of LMS across all departments with regular faculty training.

Signature of AAA member 1	**Signature of AAA member 2**
Name:	**Name:**
Designation:	**Designation:**
Address:	**Address:**
Mobile No.:	**Mobile No.:**