



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

## **POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY**

ISI-2, RIICO, INSTITUTIONAL AREA, GONER ROAD, SITAPURA, JAIPUR  
302022

[www.piet.poornima.org](http://www.piet.poornima.org)

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**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Poornima Institute of Engineering & Technology (PIET), Jaipur is a premier Engineering Education institution established since 2007; it is affiliated to Rajasthan Technical University (RTU), approved by AICTE and is recognized under UGC 2(f). It is the learning home to more than 1500 students and is committed to impart best technical skills in students through its six B.Tech programs of engineering at UG level.

PIET has been ranked 3rd in annual QIV ranking during 2022-23 by RTU and has been consistently among top 5. In pursuit of its various efforts on implementation of NEP & IKS PIET became 1st Institution across India to offer B. Tech CSE (Indian language). Over the year PIET has have been accredited by NAAC and NBA for B.Tech (Computer Engineering, Electrical Engineering & Civil Engineering) program.

PIET is rated PLATINUM by AICTE-CII Survey for strong Industry connect and received 3.5 Star Rating by MoE IIC for focus on Innovation & Entrepreneurship. PIET has established first and only IDEA Lab in Rajasthan funded by AICTE. PIET has been rated Diamond, by QS-iGauge for quality teaching and outcome in placements, innovation, entrepreneurship efforts. PIET is also a Nodal center for NPTEL/SWAYAM courses provisioning students & faculty members received MOOC & Certifications. PIET is ranked 65th Across India for Times Higher Ranking

PIET facilitates state of art ICT enabled classrooms & laboratories, many of them are industry and Government funded labs like Neural Network & Deep Learning Lab under AICTE-MODROB, REDHAT Lab, ORACLE Lab etc. Our library is well equipped with ERP & all learning resources

PIET has published more than 250 SCI/Scopus Indexed papers and has received grants of Rs. 1.7 crores in last five years. PIET has published 104 Patents and have 10 granted patents. Every year we place more than 80% students with average package of Rs. 5.5 lakh per annum. PIET encourages and supports to work towards entrepreneurship and till now 31 startups have been incubated out of which 14 are registered with Government agencies. The institute has strong IQAC for ensuring the quality bench-marking and regular monitoring of all academic & administrative activities using well structured OBE and feedback mechanism. IQAC monitors curriculum delivery plan and adherence academic calendar serves as the blueprint for all curricular, co-curricular, extra-curricular, and extension activities

Our Students have been consistently listed in University Merit and have won various awards too on technical competitions and sports & cultural events. Our faculty members have also received recognition and awards from various agencies

## Vision

### Our vision is

**“To create knowledge-based society with scientific temper through cutting-edge technologies, innovative research and to become a valuable resource for enriching mankind.”**

PIET is devoted to cultivating an environment where the pursuit of knowledge is not just a means to an end, but a journey in itself. PIET has established a very strong industry relations with 30+ Collaborations for skill development of our students with latest technologies and offer various Value added courses on latest technologies with many of these industry partners under i3 (Industry Institute Interaction) day Program . With its strong Industry connect we have been proudly providing high quality Industry aligned learning to the students for more than a decade. Industry-academia interactions are fostered and internships are being facilitated to keep the students up to date with changing industry needs.

We encourage a culture of curiosity, critical thinking, and collaboration, aiming to produce graduates who are problem-solvers and global citizens by embracing diversity, inclusivity and recognizing the transformative power of education in addressing societal challenges. We conduct lot of activities on Universal Human Values for our students and ensure they become technically enriched better human beings.

## Mission

### Our mission is

1. To provide an environment that will allow students and faculty members to be skilled in creation and implementation of new ideas.
2. To provide platform to improve questioning, observing, testing, analyzing and communication skills.
3. To provide qualitative education and generate new knowledge with integration of emerging technologies and research.
4. To practice and promote high standard of potential ethics, transparency and accountability.

To achieve our mission, PIET is dedicated for developing a culture of innovation, inquiry, and excellence. It provides an environment where students and faculty can develop new ideas and acquire essential skills for future engineers. The institution's AICTE IDEA Lab serves as a platform for students to translate innovative ideas into tangible products or startups, aiming to enhance critical thinking and problem-solving skills among its students. Our unique concept of Non-Syllabus Projects and IPR cell, well supported by IDEA lab have led to 100+ patents being filed and published by students and faculty members.

Alongside the basic curriculum, PIET offers online courses, virtual lab experiments, and coding competitions such as Hackathons to cater to advanced learners. The institute also facilitates extra-curricular activities including orientation programs, guest lectures, community service projects, and cultural events, actively involving the student council, promoting **Indian Knowledge Systems (IKS)** and cultivating a knowledge-based society through **advanced technologies and innovative research.**

PIET conducts CRT Program, soft skills training, bridge courses, workshops, 13 Day training programs and provides remedial instructions, one-on-one mentorship etc for the students and faculties are encouraged to enhance their teaching capabilities with increased knowledge through various webinars, Guest Lectures, Faculty Development Program, Seminars, Workshop and SWAYAM, NPTEL (National Program on Technology Enhanced Learning), Conferences etc. So, all these efforts are used for the continuous professional development of faculty members in **multidisciplinary discipline**

PIET is aligned itself for implementation of with the National Education Policy-2020 by focusing on affordability, accessibility, quality, equity, **transparency and accountability in technical education** by effective governance. The complete **decentralized management** process is adopted in PIET by empowering Heads of Departments (HODs) with authority and autonomy. The faculty members also actively participate in decision-making committees, influencing institutional policies related to admissions, examinations, library practices, and academic priorities. The alumni and students are also part of various bodies and committees including Governing Council and IQAC. Students also practice

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

1. Qualified and good number faculty members with SFR well below 1:15 in last 5 years.
2. Stringent & well planned Teaching- learning process at PIET takes place through Zero Lecture, Deployment, Blown-up and preparing course files by all the faculty members for quality delivery in line with academic calendar
3. Only institute in Rajasthan to have AICTE Sponsored IDEA lab for skill development of students in Digital Manufacturing
4. Rated Diamond by QS-iGauge for outstanding work in academics, student development, placements, innovation & entrepreneurship
5. OBE as pivot for continuous assessment and teaching learning process for improving teaching using CO-PO-PSO attainment, GAP analysis and corrective measures, leading to improving results every year.
6. State of art of Infrastructure for innovative Teaching Pedagogy and ICT based learning. The faculty members adopt strong ICT for teaching, learning and evaluation process
7. Twelve Industry sponsored labs including Redhat, Oracle etc. out of 41 MoU with premier Industry & Academia
8. Funding of More than 1.7 crores from RTU, AICTE, ISTE, NITTR, MoE etc
9. Hosts international conferences such as Convergence and ICIMMI every academic session with quality publishing partners like ACM, Springer, IoP and many more.
10. Strong focus on ICT enabled techniques & resources that even helped us to handle COVID-19 Pandemic smoothly with quality teaching & learning process rendered to students. .
11. Hosted Smart India Hackathath & IDE Bootcamp under the aegis if Ministry of Education, Government of India
12. Very good placement numbers and the package, one of the best amongst RTU affiliated colleges.

13. Faculty empowerment strategies include, welfare measures, training, incentives on research & development activities and sponsoring for various learning efforts
14. Strong IQAC that ensures, regular feedback, regular academic monitoring, ranking and ratings, education quality bench-marking and faculty empowerment.
15. Supportive Management, Strong Leadership, Participative Governance and Effective and Transparent E-governance using ERP
16. Strong Feedback & Analysis mechanism for provisioning quality education & regular upgradation of teacher quality.
17. More than 530 research papers are published by students and faculty members in last five years in national, international journals and conferences which are UGC, SCOPUS, SCI and ESCI reputed.
18. Collaboration and tie-ups for strong bonding with industries and corporate sector through 41 MoUs for skill developemtn of students
19. Industry collaborated certification programs under Celebal Technologies, Coding Ninjas, Business Intelligence, IoT and Red Hat Academy.
20. PIET has a registered Poornima Institute Alumni Society that engages alumni in college governance and provide mentoring opportunities.
21. Rich Library with 30000 books, e-journals and databases like IEEE, J-Gate, DELNET and E-books is accessed through DELNET, AICTE e-KUMBH, NDLI. Library is managed with TCS-iON and its web OPAC.
22. Strong & Transparent Examination and Evaluation Process
23. PIET emphasizes on skill development by facilitating many Value added courses, hands-on experiences and practical application

### **Institutional Weakness**

1. Absence of post-graduate programs being offered at PIET.
2. There are fewer opportunities for collaborative research and international conferences. In respect of enhancement in academic and research capabilities, more collaborations with institutes, universities and research laboratories at the national and international level for faculty and student exchange are needed.
3. More efforts are needed to enhance number of sponsored R&D project.
4. Technology transfers and grant of patents to be increased so that industrial application of innovations done by students and faculty members can be ensured.
5. Funding and business sustainability of PBIC incubated Startup needs to be increased further

### **Institutional Opportunity**

1. Aspiring for higher accreditation levels, QIV and NIRF rankings for PIET.
2. Conduct seminars, workshops, expert sessions and HACKATHON to fosters a dynamic learning environment with active student engagement and participatory initiatives.
3. Engagement of alumni through outreach programs and networking events.
4. Attain autonomy to tailor curricula as per industry, intensify collaborative research, streamline administration, and foster global collaborations.
5. A vast network of alumni holding prestigious positions in industries and government sectors globally gives the institution a significant advantage in growth and securing R&D funding opportunities.
6. The ACM, IEEE, and ISTE student chapters of OIET provide a platform for professional development activities. PIET aims to increase more number of activities under these chapters and also to increase

more number of such chapters

7. To establish more Center of Excellence in collaboration with Industry & Academia to scale skill development of faculty & students and foster strong research environment.
8. Institute provides incentive schemes for publication, consultancy & research, patents, attending and organizing conference/seminar/workshop/training/symposia etc. It will further enhance number of collaborative R&D work and innovative outcomes for benefit of society .

### **Institutional Challenge**

1. As an affiliated institute, we aspire to have more flexibility to upgrade the curriculum, requiring considerable effort to advance students' skills in line with rapidly changing cutting-edge technologies. Despite this, we have been offering Value added courses under i3 day activities at our institute and have groomed students in latest technologies
2. Since the boom in IT industry post pandemic, Quality faculty retention has become a great challenge for the institute, with rigorous efforts by the management and the leadership, institute has increased its retention quite well in past few years and we shall surely achieve exceptional retention in next coming year
3. The institute faces constraints in allocating funds for R&D activities due to the lower fee structure set by the Government of Rajasthan.
4. Regular skill enhancement programs are necessary for both faculty members and students to keep pace with rapid technological advancements and the emergence of new technologies.
5. Having chapters of NCC to engage students, faculty & staff members in Community services.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

- **Curriculum Planning and Implementation:** PIET is dedicated to effective curriculum planning through its Internal Quality Assurance Cell (IQAC) meetings, regular reviews of academic progress, and monitoring of syllabus completion status. The institution goes beyond the curriculum by organizing expert lectures, conferences, workshops, and events to bridge the gap between academic learning and industry requirements. Institute adheres to Academic Calendar provided by IQAC that is inline with Academic Calendar of Affiliating University. Faculty members meticulously track achievements at each stage, including Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs), identifying areas for improvement. PIET's Course Delivery Plan is comprehensive, emphasizing content delivery, continuous assessment, and alignment of academic activities with industry demands.
- **Holistic Development through Curriculum Enrichment –**
  - **Value Added Courses:** The i3 Day Program, conducted weekly regularly by industry experts, further enriches students' exposure to industry oriented courses that are beyond curriculum and also on soft skills of the students too. These courses are not part of University curriculum thus bridges that gap and makes students Industry ready
  - **Internship/Field Projects/Projects - Strong Industry Exposure for Students:** PIET places significant emphasis on providing students with substantial industry exposure through a multi-faceted approach. This includes regular industrial visits and mandatory internships at top MNCs, ensuring students gain practical insights into the working environments of various industries.

PIET also ensures students undertake Non syllabus projects in every semester and Syllabus Project in Final year of study.

- **Holistic Development catering to human values and gender equity:** PIET's curriculum addresses societal issues such as environmental sustainability, gender sensitivity, professional ethics, and human values. The institute includes subjects like Human Values in the First Year curriculum. During the Orientation Program Pehla Kadam, PIET promotes holistic development through UHV workshops in English and Hindi, expert sessions on core human values like rights, freedom, social justice, equality, morality, honesty, and environmental sensitivity. The Students' Council of the institute ensures various activities on cultural awareness and social work. Helping hands club of PIET is sponsored by AICTE-under SPICES scheme for generating awareness among students for empathy and care towards society
- **Continuous Improvement through Robust Feedback System:** PIET employs a structured feedback process involving stakeholders such as students, faculty, employers, and alumni to evaluate the effectiveness of educational programs, teaching methodologies, administrative procedures, infrastructure, learning resources and overall institutional performance. The evaluation of student feedback plays a crucial role in maintaining teaching quality and achieving optimal outcomes. IQAC ensures regular feedback being taken by respective departments and the analysis of the same stringently taken care of so that respective corrective measures can be reflected in ATR.

### Teaching-learning and Evaluation

- The Poornima Institute of Engineering and Technology has seen a consistent increase in admissions from 2018-19 to 2022-23. In both academic year 2022-23 and 2023-24, institute achieved a remarkable 100% admission rate. This impressive growth in numbers and diversity of students is reflection of the effective implementation of academic policies and practices by Team PIET. Over the past five years, there has been a steady rise in the percentage of students scoring above 75%, with more than 50% reaching this milestone. Additionally, there has been a growing number of students scoring above 60%
- we employs strategies to enhance the performance of slow learners and support advanced learners. Slow learners receive remedial instructions, one-on-one mentorship, and additional support. Advanced learners engage in high-level interactions in classrooms and laboratories and participate in expert sessions with academia and industry leaders.
- The institute adopts a good teaching learning environment with proper utilization of ICT tools, all the classrooms are ICT enabled and ERP is used for quality delivery.
- The institute has well-qualified and experienced faculties recruited through a transparent process under consideration of AICTE norms and cadre ratio inline with regulations of the affiliating university.
- Our student-centric approach incorporates experiential learning, participatory learning, and problem-solving. Experiential learning includes hands-on experiences in STEM fundamentals through AICTE IDEA Lab, internships, industry visits, project-based learning, entrepreneurial initiatives, MOUs, and academic projects.
- Course Outcomes (COs) are well defined for each course and mapped with Program Outcomes (POs) and Program Specific Outcomes (PSOs) for further attainment analysis. The attainment of COs, POs, and PSOs in an academic year sets benchmarks for the next session, aiming to bridge gaps in teaching quality, faculty development, and curriculum improvement.
- The internal assessment of the learning ability of the students is evaluated at the institute with the proper mechanism adopted by the Exam Cell and end term semester examinations are conducted by the affiliating university. All the evaluations are carried out by the faculty members, which include COs-POs attainment, gap identification, and action taken for the fulfilment of the gap. Student feedback and attainment of COs-POs are reviewed by the PAC for any revision in planning and delivery.

## Research, Innovations and Extension

- PIET believes in continuously improving education and research to meet the needs of professions and society in our country. The institute is actively encouraging research among its faculty and students through various initiatives.
- PIET provides financial support, mentorship, and memberships in professional societies for research and entrepreneurial projects.
- Faculty members regularly work on research grants & projects and have accomplished good number of funding till now. Management encourages faculty members with incentive those who complete their funded projects on time
- PIET have also set up a strong system to promote innovation and entrepreneurship. Students are encouraged to use technology to solve real-world problems, and they get help with documenting their research, publishing papers, and obtaining patents.
- They organize events like seminars, workshops, conferences, webinars and activities such as the Poornima HACKATHON-2023 and Top Technology Trends in Engineering to connect classroom learning with practical skills.
- Our students & faculty members have been quite active in research publications also. PIET has achieved more than 500 SCI/Scopus/UGC care journal, book chapters, books and conference proceedings publication by our team in last 05 years. PIET has h-index of 19 and have more than 1100 citations on scopus.
- Beyond academics, PIET is involved in community work in Jaipur and beyond. PIET run programs like Helping Hands Groups and have adopted Saligrampura village to teach values and ethics using digital tools.
- PIET's efforts have been recognized with awards for their community work and educational quality. They've been honored for activities like blood donation drives and supporting organizations like Mother Teresa Home.
- PIET also collaborates with many industries, and research organizations to enhance their research impact. These partnerships lead to awareness programs, workshops, and lectures on entrepreneurship, enriching the institute's educational and research activities
- Education and research must continually evolve and diversify to meet the evolving needs of professions and societal advancements in a developing country. The institute undertakes numerous initiatives to promote research among faculty and students.

## Infrastructure and Learning Resources

- PIET offers a serene, beautiful, and eco-friendly campus environment for students, faculty, and staff. The campus is organized into three academic blocks and 1 administrative blocks
- PIET has all facilities for quality teaching delivery thus provides comprehensive engineering education with 27 ICT-enabled classrooms with LCD projectors, smart boards and Digital Podiums, 48 state of art labs are also ICT enabled, and four workshops.
- PIET has AICTE sponsored IDEA lab with complete setup of Digital Manufacturing and automation that aids to skills development of the students
- It offers 24/7 banking services, modern amenities like Wi-Fi, telephone, laundry services, gymnasium, indoor & outdoor games, transportation facility, solar plant.
- PIET has 01 big Auditorium, 04 seminar halls and 4 Conference room, all of them are ICT enabled and facilitate various activities and meetings.

- There are also specialized labs and facilities including a Deep Learning Lab, Internet of Things Lab, Human Value Activity Sports Lab, Language Lab.
- The library at PIET is automated using the Integrated ERP of TCS iON ERP system for library management and Web-OPAC that helps in secure, multi-module solutions. It boasts over 30,000 books and 4000 titles books, and is a member of DELNET, IEEE, and J-Gate.
- A skilled IT team at PIET handles software development, hardware and networking, website design, and email and SMS solutions. The institute has established a Deep Learning & Neural Network Lab under the AICTE-MODROB Scheme, featuring numerous standalone machines and a NVIDIA GPU-RX 8000 rack server.
- In PIET, there are five types of servers: Tally Server, TCS ion Server, Sharp Server, VM Server, and FTP Server.
- PIET facilitates more than 600 computers for students for their continuous learning and hands on learning using ICT based teaching pedagogy.

### **Student Support and Progression**

- PIET believes in empowering and support students from all sections of society. During the last five years, 3419 enrolled students benefited through free-ships and scholarships provided by many government, non-government, and institutional schemes.
- Students' Council of PIET and departments ensures delivery of various capacity development activities for the students in Soft skills, Languages & Communication Skills, latest trends and techniques of ICT and also Yoga, healthcare, hygiene, in form of sessions, seminars, workshops etc.
- PIET makes lots of efforts on making student industry ready and conducting various career counselling sessions with the help of industry experts and technocrats. The students are trained for quality placements in major MNCs like Infosys, TCS, Capgemini, IBM, Adani, etc. PIET has laid great emphasis on student learning and its outcomes as quality placements year, with more than 80% getting placed in many top MNC's. PIET also conducts sessions for competitive examinations like GATE, CAT, Higher studies and government job too.
- Student is the topmost priority for us and any kind of grievance received by them through ERP/Website/Complaint Box/Email is attended immediately by the designated statutory committee as per guidelines of UGC/AICTE and other bodies.
- The student council serves as the representative body of the student community. council members advocate for student interests, organize events, and liaise between students and the administration. They play a pivotal role in voicing student concerns, organizing cultural and academic events, and fostering a sense of unity among students. The Council conducts conducts sports & cultural activities on regular basis and outcome of the same has also led to students participation outside campus in many premier institutions. Many students have also won awards in sports and cultural activities in various national level eents.
- PIET has a registered Poornima Institute Alumni Society registered since 2020 under the Rajasthan Societies Registration Act, 1958. The Alumni meetings are regularly held for engaging alumni in various aspects, providing constructive feedback, and mentoring current batches with valuable experiences and knowledge.
- PIAS promotes growth through alumni participation, networking events, and internships. It connects past, present, and future generations, offering mentorship and guidance through workshops, seminars, and networking events. It also facilitates skill development for students.

## Governance, Leadership and Management

- PIET follows a governance model that emphasizes transparency, participative management, and decentralization to ensure continuous growth and quality education. The institute follows a decentralized organizational structure where responsibilities are distributed across various levels. The Principal oversees all operations with support from the Internal Quality Assurance Cell (IQAC), which reviews activities annually under the guidance of the Principal.
- Our current perspective plan focuses on 16 key objectives on academic development, sports, extracurricular activities, and infrastructure with a Constant Internal Quality Assurance System, promoting participation and transparency outlines initiatives for efficient teaching, leadership, governance, research and innovation, and student development. Our Strategic Development plan is well in place and regularly monitored by IQAC.
- The governance at PIET is decentralized and involves all stakeholders, that is leaders, faculty members, students, Alumni, employers, industry experts and academicians from premier institutes and is 100% transparent with e-governance using TCS-iON.
- Well Established Mechanism for Conducting Internal and External Audits: A robust budgetary control system, overseeing the efficient use of financial resources. Annual audits are conducted to ensure statutory compliance with the internal financial committee verifying income and expenditure details and compliance reports to the governing council. .
- PIET uses systematic strategies for fund mobilization and resource utilization for maintaining transparency and efficient allocation for mission and goals support, sourced from student tuition fees, government agencies, alumni, and corporate sponsorship.
- Considering that faculty members and staff are vital to every educational institution, PIET has established a comprehensive support system. This includes a variety of programs and initiatives designed to promote work-life balance and meet personal needs. Staff benefits at PIET encompass annual faculty and staff excursions, subsidized housing options, free transport and uniforms, fee waivers for relatives studying at Poornima, incentives for research, a women's welfare cell, employee provident fund, and group insurance schemes etc
- Faculty Empowerment is done through Performance Appraisal System Financial Management and Resource Mobilization and also support for Research & Development activities The Institute offers research support resources, funding, academic journals, networking, industry partnerships, intellectual property protection and interdisciplinary research centres to ensure integrity, collaboration, and address complex challenges.
- IQAC is backbone of PIET in enhancing academic and administrative performance in all facets of Technical Education. The Quality Policy helps PIET efficiently apply quality assurance principles across all departments to achieve the institute's Vision and Mission such as:
  - Promoting Innovative Teaching Practices.
  - Conducting comprehensive Academic and Administrative Audits (AAA).
  - Monitoring student progress and establishing a robust mentoring system.
  - Strengthening the Training and Placement Cell for enhanced student employability.
  - Developing a culture of excellence in sports events.
  - Motivating faculty to publish international standards journals.
  - Implementing effective Feedback Systems.
  - Establishing strong linkages with industry partners and research institutions.
  - Facilitating collaborations with industries to provide students with real-world exposure and enhance their employability.
  - Applying to funding agencies for research projects.
  - Providing incentives for outstanding performance in subject results, publications, and external

activities."

- Cultivating an entrepreneurial mindset and fostering initiatives among students.
- And many more...
- In addition to implementing operations, the institute regularly solicits feedback from stakeholders for ongoing improvements. Based on this feedback, departments take proactive measures with the consultation of IQAC to enhance their processes and offerings further.

### **Institutional Values and Best Practices**

- The institutional values of PIET include Excellence, Integrity, Respect, Innovation, Collaboration, Student-Centric Approach, Community Engagement, Sustainability etc. These values collectively shape the culture, policies, and practices of PIET, guiding its mission to provide quality education and contribute positively to society. PIET ensure all measures for safety and security of girls and women and has strong emphasis on their empowerment too.
- PIET focuses strongly on Sustainability and had made all efforts on Energy Management, Waste Management and Environment Audit. Solar generated power is being used for all academic activities and use of LED is ensured.
- PIET believes in maintaining harmony and takes pride in its culture and nation, we conduct lot of activities and session to apprise and engage students in such passionate efforts.
- PIET Constantly makes effort on Quality Teaching- Learning Process, innovation and Research with incentives, awards and welfare for Faculty, staff and students. PIET has strong systems of improving teaching quality and those who achieve good results get good incentives and recognition. PIET supports faculty members for their research & innovation efforts too. Students are also facilitated with various awards and recognitions for their efforts on academic, extra curricular and co-curricular achievements. The outcome of the same has resulted with 100+ patents published, 31 startups registered, quality publication, awards at National & International forums and Students' in University Merit list.
- The practice of Fostering Skills & Innovations in Students through Experiential Learning is done with the unique concept of non-syllabus projects focuses on practical and cognitive aspects of knowledge beyond the curriculum, fostering creativity and innovation through collaborative exploration of complex problems. The institute provides resources and training to students, with their projects exhibited in the annual event Udhbhav. It also offers value-added courses in association with various industries. The institute also hosts national level hackathons to foster innovation and problem-solving among students. The facilities for achieving these practices include state-of-the-art labs with industry collaborations, IDEA lab, IPR Cell, Centre of Excellence in Integrated Design and Innovations in Advanced Digital Manufacturing, Poornima Business Incubation Centre, Alumni Association, networking, and sustainability and growth. The institute also emphasizes the importance of protecting innovations through patents, copyrights, and trademarks..
- PIET stands distinct by practicing Partnership with Industry for Achieving Goals (SDG 17) of Quality Education (SDG 04) through Strong Industry Innovation & Infrastructure (SDG 09) that is Contributing towards Nation Building. PIET has established quality associations with academic institutions and industries to help achieve the SDGs. Through these agreements, the institute conducts academic, research, and empowerment activities for quality improvement and skill development. It also engages students and faculty in conversations with experienced technocrats to broaden understanding of complex engineering concepts and industry trends. PIET's dedication and perseverance have set new standards in education, with recognition from government bodies for outcome-based learning, research work, teaching-learning process, teacher competence, and placement efforts



## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	ISI-2, RIICO, Institutional Area, Goner Road, Sitapura, Jaipur
City	JAIPUR
State	Rajasthan
Pin	302022
Website	<a href="http://www.piet.poornima.org">www.piet.poornima.org</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Dinesh Goyal	0141-2771259	9928015792	0141-2771268	pietjaipur@rtu.ac.in
IQAC / CIQA coordinator	Gautam Singh	0141-2770790	9001893262	0141-2770792	registar.piet@poornima.org

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Rajasthan	Rajasthan Technical University	<a href="#">View Document</a>

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	11-05-2018	<a href="#">View Document</a>
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	07-05-2023	12	
AICTE	<a href="#">View Document</a>	07-05-2023	12	
AICTE	<a href="#">View Document</a>	07-05-2023	12	
AICTE	<a href="#">View Document</a>	07-05-2023	12	
AICTE	<a href="#">View Document</a>	07-05-2023	12	
AICTE	<a href="#">View Document</a>	07-05-2023	12	
AICTE	<a href="#">View Document</a>	07-05-2023	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	ISI-2, RIICO, Institutional Area, Goner Road, Sitapura, Jaipur	Urban	5.03	37082

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BTech,Department Of Computer Engineering,Computer Engineering	48	Passed XII	English	180	187
UG	BTech,Department Of Computer Engineering,Computer Engineering Indian Language	48	Passed XII	English,Hindi	60	62
UG	BTech,Department Of Artificial Intelligence And Data Science,Computer Science And Engineering Artificial Intelligence	48	Passed XII	English	60	63
UG	BTech,Department Of Artificial Intelligence	48	Passed XII	English	60	63

	And Data Science, Computer Science And Engineering Data Science					
UG	BTech, Department Of Artificial Intelligence And Data Science, Artificial Intelligence And Data Science	48	Passed XII	English	60	63
UG	BTech, Department Of Internet Of Things, Computer Science And Engineering Internet of Things	48	Passed XII	English	60	60

**Position Details of Faculty & Staff in the College**

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	13				14				55			
Recruited	7	6	0	13	8	6	0	14	32	23	0	55
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	1				1				2			
Recruited	1	0	0	1	0	1	0	1	1	1	0	2
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				92
Recruited	71	21	0	92
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				26
Recruited	24	2	0	26
Yet to Recruit				0

### **Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	8	6	0	8	7	0	0	0	0	29
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	33	24	0	57
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	0	0	0	0	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

<b>Programme</b>		<b>From the State Where College is Located</b>	<b>From Other States of India</b>	<b>NRI Students</b>	<b>Foreign Students</b>	<b>Total</b>
UG	Male	1009	200	0	0	1209
	Female	249	50	0	0	299
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	7	1	11	8
	Female	2	0	0	0
	Others	0	0	0	0
ST	Male	1	2	2	4
	Female	0	2	0	0
	Others	0	0	0	0
OBC	Male	125	71	49	30
	Female	21	8	8	3
	Others	0	0	0	0
General	Male	140	132	140	112
	Female	39	37	24	36
	Others	0	0	0	0
Others	Male	79	43	23	28
	Female	14	16	13	8
	Others	0	0	0	0
Total		428	312	270	229

### **Institutional preparedness for NEP**

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>Poornima Institute of Engineering and Technology has already started taking appropriate steps and constituted a core committee headed by the Director/Principal of institute for Effective Implementation of National Education Policy-2020. The committee has prepared a detailed road map for phased implementation of NEP. Many programs/webinars on road map of NEP 2020 awareness &amp; implementation have also been organized by the institute. In view of the NEP, Poornima Institute of Engineering and Technology has conducted various multidisciplinary activities like Hackathons, Non Syllabus Projects, Project Exhibitions, International Conference on Human</p>
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	<p>Values blended with Digital Library and Workshops on various subjects like Human values and Positive Attitude. PIET included Human Values subject as per RTU guidelines in the First Year. To make the value aided learning Human Values and Sports Lab has been functioning smoothly. PIET has applied for NSS to foster a Community based project for the student. With the help of our Affiliating University efforts have been made to include Multidisciplinary /Interdisciplinary courses as electives. All programmes are designed in such a way that students get maximum flexibility to choose elective courses offered by other Departments. PIET is committed to develop the Technical workforce through interactive communication skills activities in the Language Lab. Institute offers credit courses by MOOC on Ethics, Environmental Science and Sustainability. Faculty and Students continuously upgrade their knowledge and do courses from various MOOC platforms like SWAYAM/NPTEL. As per latest RTU regulations, students can acquire minor degrees in AI &amp; ML, Cyber Security, Data Science, IOT, Innovation and Entrepreneurship etc. by securing 18 credits.. Multidisciplinary Value added courses, Internship, Student Development Program, Workshops and Project Work towards the attainment of a holistic and multidisciplinary learning. The faculty members &amp; students are working on various multidisciplinary projects and innovative ideas. Institute has been and will continue to organise sessions with experts on NEP awareness and process amongst its faculty &amp; students. PIET implemented effective and efficient Teaching Learning Practices by incorporating Industrial Visit, Workshop, FDP, International Conferences like ICIMMI, ICSIS and ICIDLHV. Institute will shortly apply for the Autonomous Institute that paved way to include courses related to multidisciplinary nature.</p>
2. Academic bank of credits (ABC):	<p>Our Institute is affiliated to Rajasthan Technical University, Kota (RTU), who is an official member of the National Academic Depository which is a government endeavour to offer an online repository for all academic awards under the Digital India Programme. Students admitted since 2020 of our institute are registered with ABC and all the students ABC ID are available on their digilocker too at the same time 2020 onwards only our University is</p>

uploading students' mark sheets and degree certificates over the NAD platform. ABC allows students to tailor their degrees or make specific modifications and specifications instead of following the rigid, regularly prescribed degrees or courses of a single institute, or independent colleges. It is achievable through multiple entry and exit so that students can graduate according to their time preferences by providing mobility between different institutions of higher education. . This will help them to credit their score in their account for the courses done under MOOC. The Institute has established a committee for this goal in order to provide the groundwork for a road towards an effective integration of ABC in its academic programs. Quite soon PIET shall update its program's scheme and syllabus with Electives. Interdisciplinary courses & Multiple Entry –exit options. PIET will identify programs to be offered to other participating Universities of the ABC scheme of UGC. Mark statement structure and result processing systems would be upgraded to make them compatible with the ABC structure after appropriate approval from authorities.

### 3. Skill development:

PIET believes in strengthening Skill development & vocational training , the key goal of NEP 2020. PIET focuses on Many skills including the entrepreneurial competencies, communication, soft skills, critical thinking, problem solving, and decision making abilities. PIET has a unique system of i3 (Industry Institute Interaction) day, wherein various beyond curriculum, Value added courses are offered to the students, every year experts from industry train our students on most of the industry based technology domains. PIET has developed a system with the goal of improving students' entrepreneurial skills through the PBIC (Poornima Business Incubation Centre), which supports students entrepreneurship and innovation by providing mentorship, guidance, and resources for successful start-up launches. The AICTE-IDEA lab at PIET assists in enhancing students' skills through project-based learning and innovation. The Student Council at PIET works closely with faculty and administration to address student needs, coordinate events, and promote the growth of leadership and communication abilities. PIET has been rigorously working on students

internships with many MNC's and industries to ensure students are skilled in line with industry expectations. Institute has made 40 MOUs with leading professional bodies / training centres / industries. Through these MOUs many activities such as industrial/site visits, technical talks, workshops, hands-on-training, internship are conducted to enhance skill level of students. Industry associated Labs are set up in every Department having the latest equipment / software to enhance the skill level of students. PIET has projects as core of the education system and thus ensure hands on skills being imparted to each & every student. Through the use of interactive lectures, case studies, group discussions, and practical assignments, PIET aims to enhance career skills based on diverse learning preferences. Industrial visit has been organised for the students to gather the practical knowledge about the industry. PIET is focused on the Skill based projects and field projects during the session for the students. Final year students are encouraged and motivated to take up project works related to societal problems . AICTE Idea Lab have been open for the students 24 \*7 to do projects. Patents have been filed by students and Faculty members based on their Innovative skills generated by the IPR cell of the Institute. Smart India Hackathoan has been organised in the PIET campus to get hands-on experience of Project based learning. PIET has a well placed incubation policy and full support to its students for incubation. Students of the Institute are motivated to participate in AICTE's Smart India Hackathon competition and also have won prizes. Action Plan for further implementation under NEP 2020 1. PIET will be introduce a variety of skill-focused courses across all departments within the Institute. 2. PIET is set to introduce skill-oriented courses exclusively for women and girls, promoting equality within the community. 3. PIET will increase the utilization of the IDEA lab to further develop the skills of its students.

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

PIET is the first institute in Rajasthan to offer the B.Tech in Computer Engineering in Indian Languages from the session 2021-2022 under NEP 2020. The institute actively collaborates with esteemed speakers to exhibit and preserve the rich and diverse culture and heritage of the region. This is accomplished through well-organized visits to

renowned landmarks in Jaipur, including Amer Fort, Hawa Mahal, and Jal Mahal. Furthermore, the institute actively participates in hosting Cultural Festivals such as Haryali Teej, Makar Sankranti, and Garba celebrations during NAVRATRI. Regular cultural events that highlight Indian knowledge systems, languages, culture, and values are seamlessly integrated into the institute's schedule. Additionally, a variety of initiatives are implemented to support local music, art, languages, and handicrafts during the annual college event AAROHAN. 1. PIET Central Library has been equipped with the literature in regional languages for the understanding of the students 2. Faculty have been recruited from the point of teaching bilingual in the classes 3. Students are motivated to participate in the various cultural feasts to exhibit the Indian Language and Culture. 4. Students have been sent for the Yuva Sangam Student Exchange Program to learn the art and culture in the session 2022-2023. 5. Celebration of National Festivals and National Days is a regular practice of the institute to enrich Indian Culture. 6. Many activities have been planned for the students like Face Painting, Poster Making, Dance, and Song competition related to art and culture during college annual function AAROHAN. 7. Our students use AICTE-IDEA lab as a platform to carry out creation of local art and one of our student has incubated a startup on local craft items. 8. Event on Innovation and Entrepreneurship on the celebration of G 20 day has been organised which emphasized the importance of Indian culture and Art. Institute has been planning to do events in bilingual languages for the development of the Indian Knowledge System. 9. The Institute is making sincere efforts for providing value based education to the learners and make them responsible citizens and ensuring social justice and empowering the underprivileged and vulnerable sections of the society. 10. PIET offers Human Values subject in its curriculum for the First Year students. Faculty and Staff members have enrolled for the AICTE FDP on Human Values. 11. PIET organises workshops on Yoga, and Meditation which are specifically aimed at imparting precise skill sets to the students. The Institute is making sincere efforts for providing value-based education in the Human Values Lab to the learners and making them responsible citizens and ensuring social justice and

	<p>empowering the underprivileged and vulnerable sections of the society. Action Plan for further implementation of Indian Knowledge System (IKS) under NEP 2020: 1.The institute's Governing Council has mandated that all departments actively participate in organizing the Annual Fest "AArohan" to further promote local languages, culture, traditions, and more. 2. Additionally, the institute is striving to offer activities in regional languages to enhance communication among local students. 3. Conduct Seminars/workshop on techniques like Vedic mathematics and astro physics etc.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>OBE has been adopted by PIET since its inception. The Outcome Based Education (OBE) is highly focused by implementing innovative teaching pedagogy with incorporation of strong ICT support system based on Blooms Taxonomy. The Outcome-based Education (OBE) emphasizes on many components in terms of students' achievement in a program. Outcome Based Education (OBE) which is a student centric instruction with a clear statement on what knowledge, skills and graduate attribute we need focus upon. Program outcomes, Program Education objectives are being drafted designed and notified for each program on Institute website and Institute premises too. Course outcome have been appropriately defined for each course and are properly mapped and assessed for calculating the attainment of the same every year and same is used to plan the improvement in academic processes of the Institute in forthcoming years. Outcomes are assessed and attainment analytics are used to improve the academic quality. In future the process outlined above would be further strengthened and attainment levels will continue to be monitored closely to modify the pedagogy and /or the evaluation, in line with NEP 2020 objectives. ?The most important components are the Program Outcomes (POs), Program Specific Outcomes (PSOs). Vision and Mission of the Department are framed inline with the Institute's Vision and Mission. Course Outcome (CO) statements are framed for every course and are mapped to Program Outcomes (POs) given by NBA/Washington accord. Based on formative and summative assessments, the set target levels and set attainment levels for a program, attainment levels of POs and PSOs of all the courses of a program are</p>

computed. ?To bridge the curriculum gap and to address all the POs, site/industry visits, technical talks, seminars, workshops etc. are conducted by every Department. To check the effectiveness of teaching-learning process and to take necessary actions for further improvement, at the department level, Department Advisory Board, Program Assessment Committee and Department Quality Assurance Cell are constituted as per the guidelines given by Internal Quality Assurance Cell (IQAC) of the Institute. ? PIET is appreciably focused on the learning of practical and cognitive aspects of knowledge which are really beyond their curriculum. The purpose is to enable the students with the contemporary updates in their respective fields. ? The faculty members and students of PIET enroll themselves in a great number for the Massive Open Online Courses (MOOCs) which are the future of Quality Enhancement in Engineering Education (QEEE).

6. Distance education/online education:

The National Education Policy 2020 emphasizes the need for a significant overhaul of the higher education system to address barriers that hinder fairness, inclusivity and diversity. To ensure that individuals facing geographical and socio economic challenges have access to education, the policy suggests that Higher Education Institutions (HEIs) meeting specific criteria should provide Open and Distance Learning (ODL) and online programs. At PIET, both students and faculty members have the opportunity to engage in online courses through distance learning and the MOOC platform. This initiative aligns with the goals of promoting Indigenous Knowledge Systems (IKS) and interdisciplinary courses. Additionally, PIET offers incentive programs for students and faculty members pursuing certification courses through NPTEL SWAYAM and other MOOC courses and gives incentives to them for achieving the certificates through online MOOC courses. During the pandemic, the Institute shifted to online medium by using various online platforms Zoom, Google Meet and MS Team for smooth conduction of teaching and learning processes Students are also encouraged and motivated to take up NPTEL online courses to enhance their self-learning ability and gain knowledge on latest technological trends. ?Students

are also motivated to watch SWAYAM PRABHA which is a group of DTH channels devoted to the telecasting of high-quality educational programmes across the length and breadth of the country on a 24X7 basis. FDP's, SDP , Expert Session and Conference are being carried out in Hybrid mode to reach beyond classroom or spatial boundary. ? PIET offers ICT enabled infrastructure for the smooth functioning of the classes. Its classrooms are enabled with White board and enabled with availability of Projectors for ensuring Smart Classroom technology. Very soon, After becoming autonomous institute, PIET plans to offer designated ODL courses too.

### Institutional Initiatives for Electoral Literacy

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>Yes, to spread awareness about the voting &amp; electoral duties among the students and society the ELC- Poornima Electoral Literacy Forum (PELF) has been set up in our college since 2021. The Principal is the Chairperson of the Forum. It has been functioning under the dedicated team of student members of PIET. This Forum comprises of a Faculty Coordinator and four student coordinators.</p>
<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>Yes, students' coordinator and coordinating faculty members are appointed by the College and the PELFs are functional.</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>The Institute has conducted a number of activities to sensitize students and employees by conducting constitutional activities like constitutional day, voter's awareness program, and voter's registration drive for adopting the values, rights, duties and responsibilities of citizens. The college has a Poornima Electoral Literacy Forum (PELF) in which the institute conducts voter awareness programs. The constitutional day on 26th November has been conducted every year and a pledge is taken by all students and staff members. The Institute conducts a special speech on the importance of the value of casting the vote and how it helps in protecting the constitutional obligations under the PELF. The success of democracy depends upon strong legislation by electing the right person for right place</p>

	<p>to give importance to constitutional values protecting social justice of the citizens in this connection SVEEP (Systematic Voters' Education and Electoral Participation) program was organized in our Institute to create awareness about the value of voting among the students. PELF also runs the awareness campaign on social media platforms. Every year 2-3 activities conducted under the PELF.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>The institute has organized a session on the awareness about the Right to Vote to the students. It has given its premises to conduct activities related to SVEEP (Systematic Voters' Education and Electoral Participation). PIET provides transportation facility during voting to serve the nation so that polling teams can approach their respective destination for smooth conduction of voting.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>PIET institute under the PELF has initiated the drive for the students to enroll for the voting. Approx 80 percent of total students studying in campus in various courses enrolled as voter. At every instance when elections are declared, the PELF and institute encourage students to get enrolled &amp; exercise their right of voting.</p>

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1239	1019	913	979	1091

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 184

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
88	95	96	100	91

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
681.47	270.43	282.43	356.52	358.39

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Upload Supporting Document	<a href="#">View Document</a>

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1

**The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment**

**Response:**

Since 2007, Poornima Institute of Engineering and Technology has been dedicated to providing high-quality curriculum delivery to students through its academic staff. It is affiliated with Rajasthan Technical University and follows the university's curriculum in all academic programs. The institute uses Outcome Based Education (OBE) for undergraduate programs, defining Course Outcomes (COs) and mapping with Program Outcomes (POs) and Program Specific Outcomes (PSOs). The Internal Quality Assurance Cell (IQAC) monitors curriculum planning and delivery in each department through a well-planned and documented process. The Academic Calendar is the blueprint for all curricular, co-curricular, extra-curricular, and extension activities. ERP systems automate and integrate administrative and academic processes, improving efficiency, transparency, and data accuracy.

**Effective Curriculum Planning:** PIET is committed for effective curriculum planning, with Internal Quality Assessment Council (IQAC) meetings, regular reviews of academic progress and syllabus completion status. The faculty members calculate attainments at every stage including Course Outcomes (COs), POs, PSOs, and gap identification and then reports are made. The Course Delivery Plan of PIET is comprehensive, focusing on content delivery, continuous assessment, and aligning academic activities with industry needs.

**Well-Planned and Documented Process-Academic Calendar:** The institute follows the Outcome Based Education (OBE) approach and aims for continuous improvement through a well planned documented process. The plan includes the framing of an Academic Calendar, incorporating the university's schedule and events such as reopening dates, internal assessments, and syllabus coverage. The institution ensures clarity regarding Program Outcomes (POs), Program Specific Outcomes (PSOs), and graduate attributes from the time of admission. The monitoring of content delivery and learning attainments is carried out, along with a student feedback system for continuous assessment. The faculty prepares subject-wise course files, including syllabi, ABC analysis, lecture notes, tutorials, and assignment sheets, among other components. The document also details the process of conducting mid-semester examinations and other assessments, with a focus on maintaining question paper quality and seeking student feedback. The institute provides access to various libraries and follows a tutorship system, assigning 15 students to each faculty member.

**Effective Curriculum Delivery:** PIET ensures its effective curriculum delivery through systematic practices by focusing on academic excellence and practical exposure to the students. The subject/course allocation is based on faculty preference, competence, and according to prescribed scheme and syllabus of Rajasthan Technical University. The following practices of PIET determine the effective curriculum delivery in teaching and learning Process:

1. Uses ICT tools for effective lecture delivery and monitoring student attendance.
2. Facilitates teaching-learning process with multimedia teaching aids and various online labs.
3. Provides conference rooms with ICT tools.

**Continuous Internal Assessment:** The Continuous Internal Assessment (CIA) system at PIET is rigorous and transparent, allowing students to demonstrate their skills and knowledge. It includes regular tutorial / assignment evaluation, weekly lab performance evaluation, two Mid-Term examinations, projects, oral presentations, quizzes, non-syllabi projects, internships, and MOOCs

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1

**Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)**

**Response:** 138

File Description	Document
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc. Apart from the above:	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### Other Upload Files

1

[View Document](#)

### 1.2.2

**Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years**

**Response:** 74.68

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1076	762	625	725	726

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 1.3 Curriculum Enrichment

#### 1.3.1

***Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum***

**Response:**

Poornima Institute of Engineering and Technology (PIET) aims to create technocrats with technical skills and empathy towards society. The institute provides a holistic education, focusing on soft skills, interpersonal skills, and personal growth. The affiliating Rajasthan Technical University offers a curriculum addressing societal factors like environmental sustainability, gender, professional ethics, and human values. The institute conducts various activities, including induction programs and women empowerment counseling, to develop a vibrant campus atmosphere. The institute designs content and activities to ensure inclusion and effectiveness.

**Integration of cross-cutting issues relevant to :**

**(i) Ethics & Human Values:** The UGC/AICTE mandates institutes to incorporate Universal Human Values (UHV) in their curriculum to develop good human beings. The institute has organized UHV workshops in English and Hindi languages, and has a human values and ethics committee. Rajasthan Technical University has added a course integrating human values and professional ethics. The institute also organizes expert sessions for newly joined B.Tech students focusing on core human values such as rights, freedom, social justice, equality, morality, honesty, and environmental sensitivity. The Institute Incubation Center (IIC) provides workshops for students and experts to deepen their understanding of IPR and Business Ethics. Several faculty members at PIET have received training on Universal Human

Values through AICTE-FDPs.

**(ii) Gender Sensitization:** PIET is a co-educational institution that promotes gender equality by providing equal opportunities for all genders in admissions, curricular, extra-curricular, and placement activities. There is a “Women in Science and Engineering” (WISE) club established for the empowerment of females to handle the challenges smartly and confidently. The female faculty members are also appointed to the Anti-Ragging committee and Anti-Ragging Squad, demonstrating their empowerment. The Internal Complaint Committee (ICC) is a crucial component in addressing incidents of Prevention, Prohibition and redressal of sexual harassment of employees and students. The ICC also conducts awareness programs and sensitization workshops to educate employees and students about their rights and responsibilities.

**(iii) Environment and Sustainability:** The institute is actively promoting environmental sustainability through various initiatives, including planting trees, establishing an Environmental Lab, installing solar panels, and implementing a rainwater harvesting system. The Open elective courses in Environment Engineering and Disaster Management, Environmental Impact Analysis, Water Pollution Control Engineering, Material and Human Resource Management, and Waste and By-Product Utilization are also offered. The institute undergoes ISO certification audits and Green Audit to ensure it meets international standards for environmental management. PIET has various projects and publications related to sustainable development, demonstrating its dedication to promoting environmental sustainability in all aspects of its operations.

**Effective Curriculum Transaction by integrating relevant issues:** PIET is an educational institution that integrates ethical practices, gender parity, and environmental sustainability into its curriculum. It offers immersive learning opportunities, curates events on these topics, and offers various programs to enhance students' knowledge. Faculty members receive Universal Human Values training. The institution has 15 clubs, for enhancing the academic and career related knowledge, and organize the events for awareness of Women's related issues. Students can earn knowledge for extension activities related to the PBIC Club.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 1.3.2

**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)**

**Response:** 91.44

**1.3.2.1 Number of students undertaking project work/field work / internships**

**Response:** 1133

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.4 Feedback System

### 1.4.1

*Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website*

**Response:** A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 65.14

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
428	312	270	229	207

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
420	390	330	540	540

#### File Description

#### Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 2.1.2

*Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years*

**Response:** 69.78

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2022-23	2021-22	2020-21	2019-20	2018-19
188	143	106	81	94

### 2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
188	174	124	203	188

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule ( Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1

**Student – Full time Teacher Ratio**  
(Data for the latest completed academic year)

**Response:** 14.08

## 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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

**Response:**

The institute uses a student-centric approach, incorporating various methods and techniques like experiential learning, participatory learning, and problem-solving. PIET uses ICT facilitated tools and digital materials to enhance teaching and learning. The curriculum is designed to equip students with necessary skills for the rapidly changing world. The institution emphasizes student-centric, evidence-based learning, humanities, ethics, and project-based learning to promote empathy and understanding.

Students at Poornima Institute of Engineering and Technology are classified as advanced, average, or slow learners based on their assessments and performance. Advanced learners participate in skill development activities, average learners focus on assignments and workshops, and slow learners receive extra support like remedial classes, counselling, and assessments to help them improve academically. This personalized approach ensures that all students have the support they need to succeed in their studies.

1. **Experiential Learning:** PIET is an institute that emphasizes Experiential Learning, focusing on hands-on experiences and practical application of science, technology, engineering, and mathematics (STEM) fundamentals. The students can enhance their experiential learning through various means, including the AICTE IDEA Lab, internships, industry visits, project-based learning, entrepreneurial initiatives, MOUs, NSP, and academic projects. The AICTE IDEA Lab provides real-world experiences, while industrial visits allow students to observe real-time concepts. Entrepreneurial initiatives offer resources and mentorship, while MOUs with organizations like AIESEC, SINCGRID LLP, and CII offer experiential learning on business intelligence and IoT.
2. **Participative Learning:** PIET offers diverse learning opportunities, including workshops, seminars, group discussions, peer teaching, and in-class activities. Orientation programs and guest lectures enrich students' understanding of campus culture and academic expectations. The Student Council, with over 16 clubs, fosters personal and professional development. Volunteering and community service projects promote social responsibility. Cultural events and sports celebrate diversity, while debating societies enhance public speaking and critical thinking. Academic competitions like Hackathon showcase problem-solving skills. Faculty and students are encouraged to pursue certification/add-on courses for professional growth.
3. **Problem Solving Methodology:** The institute uses various problem-solving methods, such as research publications, assignments, quizzes, case studies, and workshops, to help students develop their knowledge and skills. It encourages project-based learning, innovation, active learning, blended learning, and classroom interaction for a holistic education. Tutorials provide individual participation, deeper discussions, and personalized attention.
4. **Use of ICT enabled tools for effective teaching-learning process:** PIET integrates ICT tools into teaching and learning. Faculty utilize desktops, LCD projectors, and various ICT tools for online classes and exams. TCS-iON provides online courses, exams, and interactive content. Faculty Development Programs keep educators updated. ERP automates teaching processes, while KOHA manages the library system. The Central Library, with DELNET, offers J-GATE & IEEE subscriptions.

**Effective teaching-learning process:** Faculty use multimedia aids like LCD projectors, videos, PPTs, and internet-connected computers to enhance learning. Google Classroom manages course details, quizzes, lab submissions, and assignments. Students utilize online and virtual labs for practical work. Conference rooms have 24x7 Wi-Fi. Learning materials are on the Institute's content server, with

departments hosting seminars, workshops, and guest lectures. Innovative methods like webinars and videos enrich learning.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1

**Percentage of full-time teachers against sanctioned posts during the last five years**

**Response:** 100

**2.4.1.1 Number of sanctioned posts year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
88	95	96	100	91

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 2.4.2

***Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)***

**Response:** 38.94

**2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
39	35	37	40	32

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institution data in the prescribed format	<a href="#">View Document</a>
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1

**Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient**

**Response:**

PIET has an effective and transparent mechanism of internal and external assessment procedure and a strong grievance redressing system as per the norms of affiliating Rajasthan Technical University. The weightage for university examination is 70% and 30% for internal assessment of theory exam. For practical assessment, the external examination has 40% weightage and internal has 60% weightage. The students are informed about the whole internal and external assessment process in the orientation programme conducted for the first year admitted students. This assessment process is followed with a strong examination cell which administers theory and practical midterm exams twice a semester. Moreover, students are assessed through tutorials, practical, assignments, field activities, seminars, and project work etc. The marks are awarded for attendance, non-syllabus projects, online certification courses, participation in I3 Day classes, and home assignments.

**Internal Assessment:** PIET conducts the internal assessments as per the scheme of Rajasthan Technical University based on course and program outcomes aligned with Bloom's Taxonomy levels. The faculty members explain the course outcomes and assessment tools at the beginning of each semester. Theory courses have two internal midterm exams, assignments, tutorials, class tests, quizzes, and OBT, while lab courses assess day-to-day performance through two midterm practical exams. Internal exam cell conducts exams, prepares time-tables, seating plans, duty charts, and evaluates answer sheets.

**External Assessment:** Rajasthan Technical University conducts external theory and practical exams at the end of the semester in which 70% theory and 40% practical examination is conducted by Affiliating University. The answer sheets are evaluated by the examiners appointed by Affiliating University. The results are declared within due time and students can file grievances within a specified period. The

university also provides a window for students to view their checked answer sheets and re-evaluation. The external examiners conduct external laboratory course examinations and an internal flying squad of senior faculty members is appointed during the examination to prevent misconduct.

**Grievance Redressal system:** PIET has implemented a well-established mechanism to address grievances within a specified timeframe. In the case of internal examinations, once the exam has been conducted and evaluated, the subject teacher distributes the evaluated copies to the students. During this process, the teacher also engages in discussions about the solutions and clarifies any doubts regarding the evaluation. On the other hand, for external examinations, if there are any discrepancies found in the university result sheet, the Institute cross-checks the details with the available records and provides guidance to the students either at the institute level or refers them to the university for further assistance. Consequently, it can be inferred that the transparency of both the internal and external assessment mechanisms, coupled with the efficiency of the grievance redressal system, is evident at PIET.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

### 2.6.1

*Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website*

#### **Response:**

The aim of Poornima Institute of Engineering & Technology is to establish a cooperative, knowledge-based society with a scientific perspective by providing the Outcome Based Education (OBE). PIET offers a well-rounded education to equip students for success in a globalized market. The Bloom's Taxonomy is used for defining the Course Outcomes (COs) which are approved by the Program Assessment Committee (PAC) and Department Advisory Board (DAB). The Program Outcomes (POs) supports the Graduate Attributes that are compliant with NBA and Washington Accord requirements. COs mapped with POs and PSOs for attainment analysis. Achievements in an academic year set targets for the next session, enhancing Teaching Pedagogy, Faculty Quality, Institutional Ambience, Teaching Methodologies, ICT techniques, Co-curricular & Extracurricular activities, and Curriculum.

The vision and mission of the departments are formulated on the collective reviews and analysis by the IQAC, faculty members, parents, professional bodies, alumni, industry and DAB and PAC.

#### **OBE Framework:**

Identify and define the learning objectives across all levels and clearly record them in the curriculum.

- Using project-based learning and student-centered activities to organize the teaching and learning process.
- Evaluation and assessment at every stage of learning outcomes, such as COs, POs and PSOs.

**Formulation POs and PSOs for Outcome based Education (OBE):**

Program outcomes (POs) outline the knowledge and skills students should possess post-completion of a four-year engineering program. Developed by the NBA, these objectives focus on nurturing successful engineers with core competencies in comprehension, analysis, design, and real-life solution creation. They also encompass ethical conduct, effective communication, teamwork, and a multidisciplinary approach, fostering an environment conducive to career success.

The process of defining PSO’s of the Department is very much specified as it is aligned with the Vision & Mission of the department. PSOs are built on three behavioural components: knowledge, skill, and attitude. PSOs are statements made by the institute to stakeholders (employers, students, etc.) that should be measurable, appropriate, realistic, and achievable. The Program Assessment Committee along with the stakeholders define the program specific outcomes after having a brainstorming session with the stakeholders.

**Steps in the process of course outcome preparation:**

1. Learning objectives
2. Create assessments
3. Analyze the results
4. Create rubrics

**Dissemination of Institution vision, mission and Quality Policy:**

Stakeholders play pivotal roles in the publishing process and communication channels within educational institutions. Their diversity is crucial for realizing the institute's vision, mission, and quality policy. Students engage through semester re-opening days, department events, and counselling sessions, utilizing platforms such as the college website and student induction programs. Parents participate in parent-teacher/tutor meetings, induction days, and access information via the college website, as well as through direct interactions with mentors and faculty members.

Stakeholders, including industry and academic experts, engage in various activities like R&D meetings, seminars, and management gatherings, facilitated by the college website for effective communication and collaboration, enhancing the educational experience.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6.2**

*Attainment of POs and COs are evaluated.*

**Explain with evidence in a maximum of 500 words**

**Response:**

Poornima Institute of Engineering and Technology emphasizes on active learning, fostering creativity, curiosity, and self-assurance. The courses enhance critical analysis, information assimilation, and idea formulation, preparing students for professional challenges. Rigorous evaluations ensure alignment with evolving academic and career needs.

**Facilitating the Attainment process of Course Outcomes:**

The curriculum consists of clear Course Outcomes (COs) and evaluation criteria, which are systematically mapped to Program Outcomes (POs) in following ways:

1. **Defined Course Outcomes:** PIET has clearly defined and evaluated the Course Outcomes to outline the students' achievements.
2. **Mapping to Program Outcomes:** The Program outcomes are systematically mapped to course outcomes, providing a quantitative measure of how well the program outcomes are met.
3. **Assessment Alignment:** Examination performance during the semester assesses POs and PSOs via detailed mapping of questions to COs, then to POs and PSOs.
4. **Collaborative Approach:** The Course coordinator, along with other faculty members, collaborates to ensure accurate mapping between COs-POs and COs-PSOs

**Attainment of COs**

1. **Direct Assessment:** The attainment of COs can be measured directly and indirectly. Our institution assesses Course Outcomes (COs) through the results of both Internal Assessment (IA) and External Assessment (EA).

**COs-POs Mapping Level:**

1. The respective COs requires more than 60% of the time allocated for a particular Unit, for attainment of respective PO, then the level of mapping will be 3.
2. The respective COs requires 40%-60% of the time allocated for a particular Unit, for attainment of respective PO, then the level of mapping will be 2.
3. The respective COs requires below 40% of the time allocated for a particular Unit, for attainment of respective PO, then the level of mapping will be 1.

**The tools used for direct assessment are as follows:**

1. Student performance in Mid-semester and End-semester Examinations.
2. Student performance in Tutorials / Assignments.
3. Student performance in Project Work, Viva-voce, Internship and Seminars.

**The Process of assessment follows the basic process as given below:**

1. CO-Assessment Theory Courses- 30% (Internal Assessment) and 70% (End Term Assessment)
2. CO-Assessment Practical Courses- 60% (Internal Assessment) and 40% (End Term Assessment)

**Indirect Assessment:**

1. **Course-Exit Survey:** This Survey helps in feedback from students on content delivery by faculty members and resources utilized. It is taken every semester.
2. **Programme-Exit survey:** This survey taken from the final year students at the completion of their B.Tech. programme, stands as the comprehensive feedback for the PO/PSO assessment
3. **Alumni Survey:** This survey is conducted annually through Google link or mail with the Alumni to obtain the inputs and suggestions on PO attainment in the real time societal environment
4. **Employer Survey:** This survey is taken from the employer to measure the PO attainments.
5. **Parent Survey:** This survey helps us to improve as per the parents' requirements.

**Gap Analysis & Action Taken Report (ATR):** Gap analysis is a process used by the institution to compare the current performance with expected performance, assessing if effectively using the resources. The departmental ATRs are submitted to IQAC for academic quality improvement and further action.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6.3****Pass percentage of Students during last five years (excluding backlog students)**

**Response:** 92.63

**2.6.3.1 Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
200	185	195	281	283

**2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
219	192	195	303	326

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	<a href="#">View Document</a>
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1

#### Online student satisfaction survey regarding teaching learning process

#### Response:

<b>File Description</b>	<b>Document</b>
Upload database of all students on roll as per data template	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

#### 3.1.1

*Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)*

**Response:** 142.27

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
20.3	53.57	30.5	27.2	10.7

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

### 3.2 Innovation Ecosystem

#### 3.2.1

**Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

Poornima Institute of Engineering and Technology promotes academic excellence and innovation by enhancing students' learning experiences with cutting-edge tools and methodologies, fostering a culture of critical thinking, invention, and practical implementation.

**Ecosystem for innovations:** PIET has established a robust ecosystem for innovation and incubation, providing facilities and guidance to students and faculty members. The institute encourages active involvement in technology application for societal needs, providing support for documentation, publication of research papers, and patents. Awareness meets, workshops, seminars, and guest lectures on entrepreneurship are organised to create a well-defined ecosystem. Students have opportunities to interact with outstanding entrepreneurs and receive product service training for marketing products.

**Indian Knowledge Systems (IKS):** PIET is also actively implementing the vision and mission of Indian

Knowledge Systems (IKS), an innovative cell under the Ministry of Education at AICTE, New Delhi. IKS is promoted through Project-based learning (NSP) and is aimed at preserving and disseminating Indian Knowledge Systems for further research and societal applications.

**Project- Based Learning (Non-syllabus Projects (NSP) & Innovation):** Poornima Institute of Engineering (PIET) uses a project-based learning approach that focuses on real-world issues, aligning with academics and fostering critical thinking. The faculty members ensure an optimal classroom experience, fostering communication and problem-solving skills. The approach encourages diverse perspectives, encourages students to devise strategies for tangible outcomes, integrates multiple disciplines, influences students' readiness for the professional world, and instils personal responsibility and effective time management skills.

**Project Completion Stages at PIET:** Stages include finalising the topic, designing, making portfolios, outlining the project structure, and finalising the final draft for outcomes and final products.

**Establishment of Intellectual Property Rights Cell (IPR Cell):** PIET emphasises the importance of intellectual property rights (IPR) in protecting innovations, encouraging free sharing of ideas and enhancing research value. The Centre of Excellence in Integrated Design and Innovations in Advanced Digital Manufacturing provides industry-relevant education and training, preparing students for the 'Make-in-India' initiative.

**Poornima Business Incubation Cell (PBIC):** The Poornima Business Incubation Centre (PBIC) is a startup incubator at the Poornima Institute of Engineering & Technology (PIET) that focuses on fostering entrepreneurship among students and alumni. Established in 2014, PBIC aims to translate technological ideas into marketable products, processes, and services. It offers state-of-the-art incubation facilities and services, providing resources and guidance to help entrepreneurs turn their ideas into commercially viable ventures. The PBIC also fosters a strong connection between the incubation cell and entrepreneurs, with alumni serving as role models and mentors and support to new entrepreneurs.

#### **Initiatives for the creation and transfer of knowledge/technology and the evident outcomes:**

PIET is a research-driven institution that encourages students to transform their ideas into practical solutions. It provides funding for research, professional society memberships, and mentorship for research and entrepreneurial ventures. The institute offers seminars, workshops, and expert sessions, and regularly conducts activities like Poornima HACKATHON-2023 and Top Technology Trends in Engineering. The Research and Development at PIET is a cornerstone of innovation, focusing on rigorous investigation, experimentation, and analysis to create new knowledge, technologies, products, or processes.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.2.2

***Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years***

**Response:** 82

**3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
34	22	10	7	9

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

#### 3.3.1

**Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**Response:** 1.54

**3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
61	51	51	23	98

<b>File Description</b>	<b>Document</b>
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	<a href="#">View Document</a>
Link to re-directing to journal source-cite website in case of digital journals	<a href="#">View Document</a>
Links to the papers published in journals listed in UGC CARE list or	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.3.2

**Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

**Response:** 1.34

**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
151	42	22	27	4

<b>File Description</b>	<b>Document</b>
List of chapter/book along with the links redirecting to the source website	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 3.4 Extension Activities

### 3.4.1

**Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.**

**Response:**

Poornima Institute of Engineering and Technology (PIET) fosters a knowledge-based society through cutting-edge technologies and innovative research. It organises extension activities on various social issues to promote holistic development among students. The institute's Student Council supports these activities, allowing students to take on leadership roles, promote their voice, and make a positive impact on their community. PIET is committed to making a tangible difference in individuals and communities, demonstrating the transformative power of social contribution.

**Social Activities by Helping Hands Group:** PIET is a social institution that goes beyond traditional education, integrating social responsibility into its core values. The institute conducts various extension activities through Helping Hands Groups, run by students' council. These include "Visit to Old Age Home," "Slum Area Visit," "Vastra Daan 2.0," "UTSAV," "Amrit 2.0 Blanket Donation Drive," and "Food Donation Drive 2.0." These activities promote empathy, resourcefulness, and social responsibility.

PIET also organises awareness programs such as Vigilance Awareness Week, Self Defense and Women's Awareness, National Girl Child Day, and UHV sessions on Save Environment and Plastic Pollution. Health and sports activities are also organised to raise awareness about physical and mental health among students. Some activities are also taken by foreign delegates, such as blood donation and health camps in underserved neighbourhoods. These activities aim to provide free medical check-ups, vaccinations, and health education to community members.

**ICT Using Digital Libraries with Human Values & Ethics (ICIDLHV-2023):** The International Conference on Research Trends in ICIDLHV-2023 aims to teach human values and ethics using Information and Communication Technology and digital libraries. PIET promotes education for underserved communities through scholarship programs, mentorship initiatives, and workshops. The Wise Club of PIET hosts "SHEROES" activity to celebrate women's achievements and resilience.

**Outcome of extension activities in terms of impact and sensitising the students during the last five years:**

PIET has been actively involving students in extension activities for the past five years to raise awareness about social issues and promote holistic development as engineering graduates and socially responsible generation:

- Organised awareness campaigns, seminars, and workshops on environmental sustainability, gender equality, mental health, and inclusivity.
- These activities engage students, faculty, and the community to promote their critical thinking and conscious action.
- Conducted regular workshops and seminars in collaboration with local community organisations and provided students with insights into societal challenges through workshops and seminars.
- Health and sports initiatives provided healthcare access and emphasised the importance of public health.
- PIET's transformative efforts are centred on its students, who have been instrumental in transforming lives of underprivileged children.

- PIET actively participates in tree planting drives, clean-up campaigns, and awareness programs on waste management and pollution control.
- Extension activities enable students to apply their academic knowledge in real-world settings, fostering a sense of empowerment and responsibility.
- PIET emphasises education accessibility and the importance of education in breaking the cycle of poverty. The key human values are shared to students and faculty members, shaping future career aspirations and societal perspectives

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.2

#### **Awards and recognitions received for extension activities from government / government recognised bodies**

##### **Response:**

Poornima Institute of Engineering and Technology is dedicated to engaging in outreach activities beyond the confines of its campus, with the aim of instilling a sense of social responsibility and making a positive impact on the community. The institution's primary goal is to go beyond individual accomplishments and actively contribute to the betterment of society. This is accomplished through the organization of workshops, seminars, and campaigns that raise awareness about pressing issues. Additionally, PIET places great importance on actively participating in government-led initiatives and drives, working in collaboration with local authorities and community organizations to address prevalent problems. The faculty members also play a crucial role in guiding students to embrace social work as an integral aspect of their personal and professional growth. They understand the value of hands-on experience in addressing real-world problems and encourage students to actively participate in community service projects.

PIET has received several awards and certificates for its extension initiatives. These include the Third (QIV) Quality Index Value Ranking at Rajasthan Technical University, Kota, the Regional Convention of second AICTE-ECI-ISTE Chartra Vishwakarma Awards, Certificates of Merit for Campus Recruitment Training, Blood Donation, Tree Adoption, and Mother Teresa Home. Furthermore, we have been acknowledged by organizations such as Kayastha Sabha Jaipur, Digamber Jain Mahasamiti, Akhil Bhartiya Jain Workers Forum Jaipur, Helping Hands Group, Quality Registration Organisation, CII Survey Platinum Award, Shared Birthday Project 3.0, Best Teacher Award, Academic Excellence Award, Institution Innovation Award, Smart India Hackathon Certificate, and Village Adoption. One of our faculty members was commended for raising awareness about electricity safety during the Maharashtra government's Industry, Energy, and Labour department's Electricity and Safety Week. Through these extension activities, PIET is dedicated to nurturing graduates who not only excel in their respective fields but also demonstrate a strong sense of social responsibility by embodying values of empathy, integrity, and compassion. As a result, our students actively contribute to building a more

equitable and sustainable future for the community and beyond.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.3

*Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.*

**Response:** 62

**3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
21	13	13	5	10

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 3.5 Collaboration

### 3.5.1

*Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.*

**Response: 41**

<b>File Description</b>	<b>Document</b>
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

**The Institution has adequate infrastructure and other facilities for,**

- **teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- **ICT – enabled facilities such as smart class, LMS etc.**

**Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)**

**Response:**

The Poornima Institute of Engineering and Technology is situated in Jaipur, specifically at ISI-2, RIICO Institutional area Sitapura. The campus consists of four academic blocks - A, B, C, and D - which accommodate administrative offices and facilities that meet regulatory standards. The institute's infrastructure combines smart design and effective use of space, featuring well-equipped classrooms and labs with an attractive aesthetic. Additionally, the institute includes a spacious library, workshop, drawing hall, examination office, training and placement cell, and faculty rooms. The institute ensures that its infrastructure is utilized efficiently to support the teaching-learning process and create a conducive environment for both co-curricular and extra-curricular activities. It also promotes research and innovation among students and faculty, providing facilities for cultural events, gym activities, and yoga sessions.

PIET campus offers secure and well-furnished accommodation with well-maintained environment. It comprise separate hostels for male and female students, a common mess, and a sports ground. PIET signed a MOU with Mahatma Gandhi Hospital for health issues for students, faculty and staff members.

#### **a. Facilities for teaching – learning, viz., classrooms, laboratories, computing equipment**

The institute has a total of 27 classrooms and 47 laboratories that are equipped with ICT facilities. Additionally, there are workshops, seminar halls, conference rooms, and a drawing hall that meet prescribed standards. The classrooms are equipped with whiteboards, LCD projectors, LAN connectivity, high-speed internet, and Wi-Fi. Power backup is provided through generators and a solar plant, and CCTV cameras ensure security. Tutorial rooms, a computer center, and an automated library with ILMS are also available. The institute's Centre of Excellence, sponsored by RTU Kota, offers comprehensive engineering education.

#### **b. ICT– enabled facilities such as smart class, LMS etc.**

The Poornima Institute of Engineering and Technology boasts advanced infrastructure, including smart classrooms with cutting-edge technology like interactive whiteboards and projectors. The institute also utilizes the TCS-iON learning management system for easy access to course materials and collaboration with faculty and peers. Practical learning is emphasized through state-of-the-art engineering and technology labs where students can apply theoretical knowledge to real-world scenarios.

- The Deep Learning Lab, equipped with advanced technology, revolutionizes AI research.
- The Internet of Things Lab teaches students about designing IoT devices.
- The Language Lab has computer systems and software to improve reading, writing, speaking, and listening skills.
- The Idea Lab offers hands-on learning through hands-on experiments.
- PIET also provides a well-equipped board room for meetings and discussions.

**Facilities for Cultural and sports activities, yoga center, games (indoor and outdoor), Gymnasium, auditorium**

- The Human Value Activity Sports Lab focuses on five human values.
- The institute offers indoor and outdoor sports facilities, including table tennis courts, volleyball courts, and basketball courts.
- A yoga center is available for students and faculty to practice yoga and maintain a healthy body and mind.
- The campus also has gymnasiums for students, and the Arbuda Convention Center and Open Air Theatre for academic and non-academic activities.

Poornima Institute of Engineering and Technology (PIET) offers a cultural club, provisional store, canteen, faculty sports club, free stationary, tea and snacks, hostel inmates, and a subsidized mess facility.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**4.1.2**

*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*

**Response:** 18.68

**4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
161.32	67.85	57.69	51.14	26.08

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1

*Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students*

#### Response:

The PIET Central Library serves as a valuable repository of resources including books, print journals, e-journals, e-books, and e-resources. It plays a vital role in supporting academic and research activities by providing a wide range of collections comprising books, journals, and newspapers. Moreover, it functions as a central point for students, granting them access to online resources and electronic books. The central library significantly impacts students' academic achievements by assisting them in enhancing their exam performance and equipping them for further studies or employment opportunities.

#### Automated Library with digital facilities:

The central library at PIET consists of various departmental sections and ten branches that support the institution's teaching, research, and extension programs. These sections include a Reading Room, Periodical Section, Reference Room, Student Property Section, Stack Section, Newspaper Section, and an e-Library Section. The library has been automated since its establishment, initially using the SHARP software from 2007 to 2022. In 2022, the library transitioned to KOHA (20.05 Version) for functions such as circulation cataloguing, acquisitions, serials, OPAC, and Web OPAC. In the academic year 2022-23, PIET adopted the TCS iON Library Management System, which is a secure and multi-module system that offers comprehensive business solutions. The PIET central Library currently holds 29,847 volumes of books with a total of 4,151 titles. It is also a member of the online library DELNET and subscribes to IEEE, providing access to 218 e-journals and 2,660 Research and Conference Papers. The J-GATE subscription allows access to over 20,000 e-journals. Additionally, the library offers 42 print journals, magazines, and newsletters.

#### Convenient access for students and faculty members

The PIET central library offers a wide range of OPEN ACCESS e-Resources Learning, granting students

and faculty member's access to a plethora of online resources and database services. These resources include online journals, e-books, J-Gate, NDLI, and Open Access Resources, as well as an Institutional Digital Repository. Additionally, the library provides video viewing and tutorials, OPAC, University Papers/Mid Term Papers, E-News Clippings, and NPTEL Videos. Importantly, these resources are accessible both within and outside the campus premises. To facilitate ease of access, the library system also offers a web OPAC, enabling users to search for books and other reading materials available in the Central Library. Furthermore, the library system provides a diverse range of E-Resources and databases, which serve to enhance teaching, learning, and research activities.

#### **Innovative Practices and optimized use of Automated Library:**

1. Uses ILMS software for cataloguing, acquisition serial control, circulation, and patron management reports.
2. Provides online resources and database services including online journals, e-books, IEEE papers, J-Gate, DELNET Database, NDLI and Open Access Resources, and institutional digital repository.
3. Offers video viewing and tutorials, OPAC, university papers/midterms papers, e-news clippings, and NPTEL videos.

#### **Functions of PIET Library**

The PIET Library manages student and staff memberships, book entries, issues, returns, newspaper entries, dues collection, OPAC, barcode printing, spine label printing, stock checking, and report generation. The institution has invested in acquiring books, e-books, journals, and e-journals. The digital library system at PIET offers a modern infrastructure with a 24/7 online catalog, email and SMS alerts, and a reference section with encyclopaedias, atlases, and dictionaries. Teachers and students frequently use the library for borrowing and reading materials.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### **4.3 IT Infrastructure**

#### **4.3.1**

**Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection**

*Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

**Response:**

Poornima Institute of Engineering & Technology (PIET) is constantly updating its IT infrastructure to cater to the growing demand for online courses and academic activities. The institute provides individual computers with high-speed internet connectivity to faculty and staff members with Wi-Fi enabled campus 24/7. It has sufficient resources to meet the growing demands for user access control, bandwidth control, and separated strategy control for executives, faculty, and students.

**Updated and Well Maintained IT facilities in PIET:**

The PIET campus has a well- qualified IT team responsible for software development, hardware and networking, website design and hosting, email and SMS solutions, and more. The campus has a total of 777 computers with updated configurations and increased storage capacity. Wi-Fi is enabled throughout the campus, with firewalls and computer labs connected through LANs. Seminars and conference halls have LCD projectors and biometric attendance capturing systems. Fiber cable connections provide high-speed data transfer. Five servers and surplus Ethernet ports increase coverage efficiency. Regular computer formatting and antivirus installation are also done.

1. Poornima Institute of Engineering and Technology (PIET) has established a Deep Learning & Neural Network lab under the AICTE-MODROB Scheme, with a grant of Rs. 12.84 lacs.
2. The lab has 45 stand-alone machines with access to a NVIDIA GPU-RX 8000 rack server, allowing faculty, researchers, and students to run multiple virtual systems or multiple operating systems on a single server.
3. PIET became the first private institution in Rajasthan to offer programs in Emerging areas with dedicated learning facilities. The institute has implemented wireless local area networks, allowing employees to share networks and hardware, but requires registration and encryption of passwords and data.
4. In PIET, there are five types of servers: Tally Server, TCS ion Server, Sharp Server, VM Server, and FTP Server.

As per AICTE and RTU norms, PIET appropriately follows the student computer ratio to maintain the high quality of ICT enabled teaching and learning process. PIET also facilitates 100% Wi-Fi campus to all the faculty, staff and students. As on date we have strong internet Connection with 5000 MBPS internet connection for all.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

<p><b>4.3.2</b></p> <p><b>Student – Computer ratio (Data for the latest completed academic year)</b></p> <p><b>Response:</b> 1.97</p>
<p><b>4.3.2.1 Number of computers available for students usage during the latest completed academic year:</b></p>

Response: 630

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 4.4 Maintenance of Campus Infrastructure

##### 4.4.1

*Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)*

Response: 32.9

**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
180.65	92.8	106.31	129.7	131.81

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

*Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years*

**Response:** 65.24

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
912	707	548	590	662

#### File Description

#### Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 5.1.2

*Following capacity development and skills enhancement activities are organised for improving students' capability*

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

**Response:** A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Report with photographs on ICT/computing skills enhancement programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.1.3

**Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years**

**Response:** 92.56

**5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
1205	838	887	916	1005

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.1.4

***The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases***

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1

**Percentage of placement of outgoing students and students progressing to higher education during the last five years**

**Response:** 86.67

**5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
198	195	183	285	283

**5.2.1.2 Number of outgoing students year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
229	208	207	336	340

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	<a href="#">View Document</a>
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.2.2

*Percentage of students qualifying in state/national/ international level examinations during the last five years*

**Response:** 28.98

**5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

2022-23	2021-22	2020-21	2019-20	2018-19
17	13	2	9	10

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

**5.3.1**

**Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

**Response:** 61

**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
8	5	2	24	22

**File Description****Document**

Upload supporting document

[View Document](#)

list and links to e-copies of award letters and certificates

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

**5.3.2**

**Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**Response:** 34.6

**5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
42	31	25	38	37

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1

**There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services**

**Response:**

**Alumni Engagement at PIET:** The Alumni Association at Poornima Institute of Engineering and Technology (PIET) actively participates in various aspects of institution development. Alumni are engaged in IQAC, Governing Council, and academic & extracurricular activities. PIET values the feedback from alumni and takes pride in their achievements in careers, higher education, and entrepreneurship.

**Establishment of Poornima Alumni Association (PIAS):** In the year 2020 Poornima Institute Alumni Society (PIAS) was registered under 'The Rajasthan Societies Registration Act, 1958' to strengthen the bond between alumni and the college management. A seven-member executive committee oversees its operations, focusing on supporting PIET's overall development, improving quality through interactions, and maintaining professional bonds with alumni.

**Objectives of Alumni Association:** PIAS aims to encourage alumni participation in PIET's development, enhance the institute's quality through interactions and contributions, and maintain professional bonds between alumni and the institute.

**Alumni Association's Active Role:** Alumni play a significant role in PIET's administration, contributing to the Governing Council and IQAC. Their involvement in decision-making processes positively impacts the college's functioning. Alumni participation has been instrumental in PIET's overall growth and progress since the association's inception.

**Interaction Sessions & Annual Alumni Meeting:** The formation of PIAS has strengthened relationships between alumni, the institute, and current students. More than 35 Interaction sessions and annual meetings organised by PIAS facilitate alumni engagement, providing opportunities for knowledge sharing and networking. The association also initiates scholarship programs and organizes various activities, including mock interviews, workshops, and seminars.

**Strengthening Role of Alumni Association:** PIET benefits from alumni insights and experiences, strengthening educational programs and the institution's reputation. The Alumni Association serves as a platform for meaningful community outreach, contributing significantly to PIET's development.

**Internships, Placements, and Skill Development:** Many Alumni actively support internships,

placements, and skill development programs, organizing workshops and mentorship sessions. They facilitate industry contacts, career coaching, and guest lectures, enhancing students' employability and industry readiness.

**Building Bridges Beyond Graduation:** The Alumni Association connects graduates from various batches, fostering a sense of belonging and camaraderie. Alumni share their experiences and journeys, providing guidance and mentorship to current students.

**Contributions to Institute Development:** Alumni contribute financially and intellectually to various initiatives, including scholarships, research projects, and infrastructure development. Their success stories inspire current students and reflect PIET's quality education. PIAS has a separate Bank Account that is transparently managed by Alumni only and has a total Alumni contribution of more than Rs. 6 Lakhs , so far.

**Fostering a Global Community:** The global network of alumni transcends geographical boundaries, facilitating international collaborations and partnerships. Social media platforms and regular alumni reunions ensure strong connections among members worldwide, benefiting both alumni and PIET.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1

*The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

#### **Response:**

The governance structure at Poornima Institute of Engineering and Technology (PIET) is a testament for effective leadership aligned with the institution's vision and mission. The institution places a strong emphasis on transparency, quality, participative leadership, and decentralization of power across various levels. PIET upholds a culture of participative management in both academic and non-academic activities, ensuring that decisions are made collectively. To facilitate participative management and decentralized governance, the institute employs a committee system for the implementation of its decisions.

The institution's vision is to create a knowledge-based society through cutting-edge technologies and innovative research, while its mission focuses on providing an environment for students and faculty to develop new ideas, enhance essential skills, deliver qualitative education, and promote high standards of ethics, transparency, and accountability. PIET is committed for achieving excellence in all aspects, from admissions to teaching-learning processes, examinations, extra and co-curricular activities, industry-institution interaction, research and development, continuing education, and consultancy.

Poornima Institute of Engineering and Technology was established in 2007 with a commitment to provide pragmatic technical education. Over its 15-year journey, PIET has set benchmarks in engineering education and has a governing council responsible for effective management and future development. The council comprises dedicated and eminent personalities actively involved in decision-making processes, approving strategic plans, and identifying financial, physical, and staffing strategies.

The institution's strategic plan outlines comprehensive initiatives for efficient teaching, effective leadership, governance, and participation, emphasizing internal quality assurance, student development, research and development, employee advancement, training, progression, and placement. PIET is aligned with the National Education Policy-2020, focusing on affordability, accessibility, quality, equity, and accountability in technical education.

Participation in the management process is decentralized, empowering Heads of Departments (HODs) with authority and autonomy. HODs play a crucial role in planning, executing teaching plans, conducting departmental meetings, introducing creative measures, organizing events, and managing administrative responsibilities. Faculty members actively participate in decision-making committees, influencing institutional policies related to admissions, examinations, library practices, and academic priorities.

The institution has various committees for resolving student issues, including Anti-Ragging, Student Grievance Redressal, OBC and ST/SC Monitoring Cell, Minority Cell, Women Development Cell, and

Redressal of Sexual Harassment Committee. Additionally, there are committees for Intellectual Property Rights (IPR), Skill Development, Maintenance, Purchase, and Library.

In summary, Poornima Institute of Engineering and Technology exemplifies a governance model characterized by transparency, participative management, and decentralization, ensuring the institution's continuous growth and commitment to quality education in line with its vision and mission.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1

*The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc*

#### Response:

Poornima Institute of Engineering and Technology (PIET) has a well-defined perspective focusing on 16 different objectives and strategies, including academic development, faculty, research, industry connect, holistic development, sports, extracurricular activities, community engagement, infrastructure etc.. The institution's perspective planning is a continuous process, focusing on achieving institutional goals in a competitive world. The Strategic Planning and Deployment Document (SPDD) is based on analysis of current obstacles and future opportunities, guiding the organization towards its set goals. The SPDD is regular monitored by the Institution leadership for setting the future goals.

#### Vision:

To create knowledge-based society with scientific temper through cutting-edge technologies, innovative research and to become a valuable resource for enriching mankind.

#### Mission:

1. To provide an environment that will allow students and faculty members to be skilled in creation and implementation of new ideas.
2. To provide a platform to improve questioning, observing, testing, analyzing and communication skills.
3. To provide qualitative education and generate new knowledge with integration of emerging technologies and research.
4. To practice and promote high standards of potential ethics, transparency and accountability.

The institute has been defining short-term goals in terms of short-term planning of every 5–10 years through discussion in its Apex Bodies. The status of admissions, placement, industry trends, results, quality admissions, faculty, research and innovation are considered to the great extent for framing the following short-term goals as vision for the years 2017-2026:

- Becoming a top-tier institute for industry-specific core disciplines in the region and the country
- Incorporating outcome-based instruction into the institution
- Designating Centers of Excellence in specific departments' focus areas
- Establishing an autonomous entity
- Establishing a training center for entrepreneurs and start-ups

**Implementations of Institutional Strategic perspective / deployment planning:**

- The Governing Body approves a strategic development plan for institutional implementation.
- The progress is monitored through IQAC.
- Involves academic planning, academic calendar preparation, e-learning resources, research culture promotion, and transparent feedback system.
- Decentralization of academic, administration, and student responsibilities through weekly faculty meetings.
- Regular internal and external audits ensure satisfaction.
- Student's Council represents students' views, organizes competitions, rewards, and participates in extracurricular and social activities.
- Comprehensive admissions process catering to various streams, with scholarships, grants, and other rewards available.

**Accomplishment of Strategic Planning in order to execute the aforementioned vision statements-**

PIET plans to implement an online cloud-based academic management system ERP, enrich existing labs, create new hi-tech labs for research, and train faculty members in teaching. It plans to establish linkages with national institutes and industries for student and faculty exchange programs and collaborative research. PIET's Strategic Planning and Process:

- Upholds core values like Integrity, Respect, Diversity, Excellence, and Quality in teaching-learning and strategic planning.
- Implements an efficient administrative setup with a clear organizational structure, dynamic leadership, and decentralized administration.
- The Principal oversees academic administration and management, maintaining a hierarchical structure from top to bottom.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**6.2.2*****Institution implements e-governance in its operations***

- 1. Administration**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examination**

**Response:** A. All of the above

<b>File Description</b>	<b>Document</b>
Screen shots of user interfaces of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.3 Faculty Empowerment Strategies****6.3.1**

**The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

**Response:**

The institution effectively implements welfare schemes for teaching and non-teaching faculties, arranging medical facilities, overseas project leave, and FDP opportunities for career development and progression.

**Performance Appraisal system for teaching and non-teaching staff:**

- **For Teaching Staff**

The Performance Appraisal System of PIET assesses faculty members based on discipline, adherence to norms, task completion, accountability, initiative, workload management, record-keeping, and PIET norms.

Category- A	Category- B	Category- C	Category- D
Marks range- (10-9)	Marks range- (8-7-6)	Marks range- (5-4-3)	Marks range- (2-1)

The assessment is reviewed by the Principal/Director of the institute.

### **Teaching Learning and Evaluation Process in PIET includes:**

The process involves planning, implementation, completion, and dissemination, with evaluation through activities, performance appraisal system, and student feedback for faculty performance.

### **Faculty Performance Measurement and Evaluation: Annual Performance Measurement Matrix Overview**

1. Calculated for four categories based on data.
2. The Principal/Director sets scores for the faculty.
3. Feedback forms issued to students at the end of semester for teaching process information.
4. Team of Heads of Departments review and suggest improvements.
5. Voluntary duties assigned to faculty weighted in overall assessment.
6. Appraisal verified by Heads of Departments (Reporting officer) and Principal/Director (Reviewing officer).

#### **• For Non-Teaching Staff**

1. Annual confidential reports and performance appraisals graded on a ten -point scale i.e., Intelligence, Discipline, Responsibility & dependability, Interest in the assignment, Workload, Maintenance of registers & records, adoption of Poornima policy, Punctuality & promptness, job knowledge and noting, drafting & correspondence.
2. Promotions and financial upgradation granted for satisfactory performance.

**Welfare Schemes for Teaching and Non-Teaching Staff:** Poornima Institute of Engineering and Technology offers various welfare schemes to motivate and grow its teaching and non-teaching staff.

#### **Statutory Welfare Measures:**

Employees' Provident Fund (EPF) implemented under Government of India savings scheme offers various benefits to employees, including the Employees' Provident Fund, Employees' Group Insurance Scheme, , Employee's State Insurance Scheme including their family members, medical treatment facilitated by the MOU done with Mahatma Gandhi Hospital situated nearby PIET.

#### **General Welfare Measures:**

PIET offers subsidized accommodation, free transport, travel grants, free uniforms and fee concessions to faculty and staff. It conducts wellness programs, organizes festival celebrations, provides essential services like ATMs, medical facilities etc.

#### **Professional Welfare Measures:**

PIET provides various professional welfare schemes for faculty and staff, including performance

incentives, technical publication incentives, CRISP consultancy and research incentives, and promotional schemes for patents and copyrights. The institute supports Ph.D. degrees with scholarships and quality seminars.

#### **Avenues for Career Development and Progression to faculty and staff members:**

PIET provides faculty development and orientation programs to enhance technical, managerial, and behavioral skills. It offers R&D support, sponsorship, QIP support, and membership support, promoting career development through regular workshops.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### **6.3.2**

#### **Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

**Response:** 57.66

##### **6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
64	56	52	58	41

File Description	Document
Policy document on providing financial support to teachers	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 6.3.3

*Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years*

**Response:** 89.78

**6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
113	118	124	130	130

**6.3.3.2 Number of non-teaching staff year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
49	42	36	41	47

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1

**Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

#### Response:

PIET utilizes systematic strategies for fund mobilization and resource utilization, maintaining a transparent financial system for salaries, infrastructural development, academic activities, sports, competitions, scholarship, and financial assistance.

**Strategies for Mobilization and optimal Utilization of Resources and Funds:** PIET follows a detailed procedure involving committees, Department Heads, and the Accounts office to manage funds from various sources, including student tuition fees, government and non-government agencies, alumni contributions, and corporate sponsorships. The finance committee monitors fund utilization, while the purchase committee evaluates vendor quotations for equipment procurement.

#### Resource Mobilization Policy and Procedure:

1. Institutional Budget and Resource Utilization Overview
2. Preparation by management and administration before the financial year begins.
3. Approval by top management and Governing Council.
4. Monitoring by Accounts and Purchase departments.
5. Certification by Statutory auditors.

#### Research & Development Activities

1. Focus on cutting-edge research and innovation.
2. Faculty grants for R&D and infrastructure strengthening.

- 3.Travel grants for faculty to present research papers or attend conferences.
- 4.Efficient resource utilization, employing qualified lab technicians and system administrators.
- 5.Utilization of physical infrastructure for remedial classes, extracurricular activities, and examinations.

**Facilities/Support created for Research & Development in PIET:**

- 1.Institute's Research Support Resources include the state-of-the-art research labs.
- 2.Funding support and collaboration spaces.
- 3.Access to academic journals and databases.
- 4.Regular research conferences and seminars.
- 5.Encouraging Industry partnerships.
- 6.Intellectual property protection.
- 7.Research ethics and compliance.
- 8.Research publications support for publishing research findings in reputable journals and conferences, fostering a holistic approach to solving complex problems.
- 9.Interdisciplinary research centers and incubation cells.

**Regular Financial Audits:** PIET has a robust budgetary control system, overseeing the efficient use of financial resources. The finance committee led by the Principal, reviews and approves annual budgets, setting expenditure limits. Revenue is generated through R&D, consultancy, testing, and verification.

**Well Established Mechanism for Conducting Internal and External Audits:** The institution conducts annual audits to ensure statutory compliance, with the internal financial committee verifying income and expenditure details and compliance reports to the governing council. The accounts department monitors and calculates depreciation costs from previous years.

**Process of the Internal Audit:**

- 1.Bi-annual audits of all vouchers and expenses, verifying quotations, purchase orders, bills, and vouchers.
- 2.Any discrepancies are reported to the Director/Principal, and the committee, consisting of CAFO, Registrar, Finance Officer
- 3.Ensures a sound monitoring system for procurement and disbursement processes and optimal resource utilization and compliance with tax and regulatory requirements.

**Process of the External Audit:**

- 1.Accounts are regularly audited by a chartered accountant adhering to government rules.
- 2.Ensuring that all payments are authorized and a report is sent to management.
- 3.Any queries are promptly addressed.
- 4.The institution has not faced any major audit objections in the past years.
- 5.Both internal and external audits are conducted by certified Chartered Accountants, adhering to the Institute of Chartered Accountants of India guidelines. The auditor verifies income and expenditure details, and all audited statements are uploaded on the institute's website to maintain transparency in financial matters.

PIET has strategies for resource mobilization and optimal utilization, generating funds from government

and non-government organizations with regular financial external and internal audits.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

### 6.5.1

**Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

#### Response:

Internal Quality Assurance Cell (IQAC) of our institute has contributed significantly, it regularly review the teaching learning process and has helped lot in benchmarking standards for the growth of the institution.

**Institutional Quality Practices:** IQAC ensures alignment with Vision & Mission through a learner-centric environment, feedback mechanisms, workshop coordination, maintaining databases, and preparing the AQAR & Academic and Administrative Audits

- **Quality Benchmarks Creation:** IQAC establishes quality benchmarks in line with governing body guidelines.
- **Strategic Development Plan Implementation:** PIET implements its strategic development plan and monitors its deployment on regular basis.
- **Faculty Development Programs (FDPs) & Workshops:** IQAC conducts FDPs and workshops to enhance faculty and staff skills, with certificates and research-oriented conferences.
- **Annual AQAR Submission:** IQAC ensures timely submission of AQAR
- **Feedback Analysis & Road-map Submission:** IQAC continuously obtains feedback system involving faculty, students, employers, and alumni to inform curriculum redesign and skill enhancement.
- **Participation in Ranking & Rating Activities:** PIET consistently ranks well in QIV, QS-IGauge and participates in NIRF and accredited by NBA
- **Academic Calendar Monitoring & Continuous Assessment:** PIET follows an RTU-approved curriculum with innovative methodologies, evaluation based on CO-Pos.
- **Regular IQAC Meetings:** PIET conducts four annual meetings to assess internal quality measures and discuss adjustments to engineering programs.

**IQAC Initiatives & Strategies:** IQAC initiatives can be observed in two phases-

**IQAC Initiatives: Pre- phase of the first cycle of NAAC inspection (Before 2018)- Old Initiatives but improvised in this cycle:**

1. PIET's Poornima Business Incubation Centre (PBIC) continues to nurture start-ups and entrepreneurs, now with enhanced support, despite being an established initiative, PBIC has refined its approach, resulting in 12 out of 30 start-ups being officially registered with the Government.
2. Established Alumni Society got registered as PIAS in 2020 and since then engagement of Alumni has increased and governance of PIAS has also been taken over by alumnus.
3. Increase in Publications and performance incentives have shown exponential increase in incentive amounts, leading to quality publications improved drastically.
4. Enhanced quality placements in leading MNCs such as Infosys, TCS, Capgemini, IBM, and Adani.
5. Many fold Improvement in Students Skill with appending of i3 day and VAC as regular part of beyond academic activities.
6. Various schemes and awards, though longstanding, are continuously adapted to better recognize and celebrate student achievements.

**IQAC Initiatives: Post- phase of the first cycle of NAAC inspection (After 2018):**

1. PIET's Innovative Teaching Approach aligns with OBE and Bloom's Taxonomy, emphasizing Graduate Attributes.
2. Offers affordable and flexible learning through MOOCs.
3. Active Student councils and clubs promote leadership.
4. Implements the CRISP scheme for consultancy and research incentives.
5. Awarded center of excellence for advanced digital manufacturing.
6. Adopted ERP TCS-iON system for efficient management.
7. Establishes AICTE-IDEA Lab for hands-on learning & innovation.
8. Offers a credit-based course on Universal Human Values.
9. Establishes an Institution's Innovation Cell (IIC) for entrepreneurship and incubation.
10. Organized 100+ activities focusing on innovation, IPR, and entrepreneurship.
11. Achieves 200+ SCI/Scopus Indexed Publications and around 70 Patents & Copyrights.
12. PIET is awarded as a Center of Excellence for Advanced Digital Manufacturing by RTU

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**6.5.2**

**Quality assurance initiatives of the institution include:**

- 1. Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**

- 2. Academic and Administrative Audit (AAA) and follow-up action taken**
- 3. Collaborative quality initiatives with other institution(s)**
- 4. Participation in NIRF and other recognized rankings**
- 5. Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

**Response:** A. Any 4 or more of the above

<b>File Description</b>	<b>Document</b>
Quality audit reports/certificate as applicable and valid for the assessment period.	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

**Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.**

*Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words*

#### **Response:**

Poornima Institute of Engineering and Technology (PIET) is committed to create an environment for gender equity and sensitization through a systematic safety and security system, counseling cell common room separately for female students. The institute provides equal opportunities for male & female students and faculty members in career and skill development. It is greatly ensured that equal benefits are provided to all genders.

**Gender Audit and Measures:** The PIET places a strong emphasis on fostering inclusivity and gender equity within its work environment, aiming to provide fair opportunities to everyone irrespective of all individuals regardless of identity or status. The institution is committed to ensuring safety, security, and well-being, cultivating a welcoming and supportive atmosphere for all. A complaint box is arranged to receive grievances or suggestions from the students which are addressed by respective committees. PIET Gender Audit report shows the impact of its current & proposed policies on gender equality.

**Safety and security:** PIET campus has appointed well-trained women wardens and assistant wardens to the Girls Hostel, providing 24/7 care for female students. High-level boundary walls, security checkpoints, and CCTV surveillance are in place. Students with valid identity cards can enter the campus. Sufficient lighting is provided for nighttime activities. The college provides support to female students through various committees, including the Internal Complaints Committee, Anti-Ragging Committee, and Grievance Redressal Committee. Emergency contact numbers are prominently displayed. To provide safe, hygienic, and easy access to sanitary napkin to female students and faculty members, a sanitary napkin vending machine is installed.

**Counseling Cell:** PIET prioritizes counseling to create a healthy environment for teaching and learning. Students are connected to tutors, student council, and faculty members for academic, behavioral, emotional, and social adjustment support. The Counseling Cell organizes expert lectures on health, stress, and gender sensitization issues. The institute also organizes gender sensitization camps and supports girls' career plans. and the institute has facilities for women, including the Women in Science and Engineering (WISE) and Sexual Harassment and Women Development Cells.

**The Women's Grievance Redressal Cell** serves as an avenue for addressing the challenges experienced by female students and faculty members within the institution. By providing a dedicated platform, it aims to ensure that their concerns are heard and addressed effectively. Whether its issues related to harassment, discrimination, or any other form of gender-based inequality, the cell works tirelessly to provide support, guidance, and necessary interventions. Through its efforts, the cell promotes a culture of

inclusivity, safety, and respect, fostering an environment where all members can thrive and excel without fear of prejudice or mistreatment.

**Curricular and Co Curricular Activities:** PIET ensures gender equity through various Curricular and Co Curricular Activities including Teej, Mothers' Day, International Women's Day, Girls child day, and Daughter's day, women awareness Session. The institute helps students relate to their cultural heritage and connects them with their roots. Thus, it is very pleasantly said that PIET offers equal opportunities for career growth and self-development for all faculty members, regardless of their gender.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 7.1.2

**The Institution has facilities and initiatives for**

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

**Response:** A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities.	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.3

**Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion activities

**Response:** A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 7.1.4

**Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)**

**Response:**

Poornima Institute of Engineering & Technology (PIET) is fostering an inclusive environment by celebrating important days, national and religious festivals, and other activities. This promotes tolerance and harmony among students and teachers from diverse backgrounds. The first year of study is mandatory in Human Values as per syllabus of Rajasthan Technical University (affiliating University), promoting essential values and responsibility as Indian citizens. PIET continuously strives to provide an inclusive environment, fostering tolerance towards different cultures, regions, religions, languages, and socio-economic diversities. Regular sensitization is also provided for constitutional obligations.

**Institutional efforts and initiatives:**

PIET promotes inclusivity by celebrating important days, national and religious festivals, and promoting tolerance among students and teachers. The institute mandates 'Human Values' in the first year as per syllabus of Rajasthan Technical University (affiliating University), fostering social, cultural, religious, and linguistic bonding among students.

**PIET's Cultural Celebrations and Initiatives:**

The Institution has various clubs for organizing different sports and cultural activities to promote further harmony towards cultural, communal, regional, linguistic, socioeconomic and other diversities. In PIET majorly four types of celebrations are given utmost importance. These can be classified as mentioned below:

- **National Festivals:** PIET celebrates three national festivals annually: Republic Day, Independence Day, and Gandhi Jayanti. These festivals foster patriotism and help students and employees grow into better citizens.
- **Religious Festivals:** PIET celebrates religious festivals to teach students about family, tradition, and values. These festivals create a cheerful atmosphere and deepen bonds with others.
- **Seasonal & Harvesting Festivals:** PIET celebrates major seasonal and harvesting festivals in India, bringing students and faculty closer to each other's traditions and cultural beliefs.
- **Regional Festivals:** PIET celebrates events ranging from local to global, including Hariyali Teej, Vishwakarma jayanti. These festivals are significant parts of Indian culture and act as a vehicle for presenting values and emotions.

**Other Initiatives and Activities:** Foundation Day, Constitution Day, Teacher's Day, Science Day, Women's Day, Blood Donation Camps, Social Cause Awareness Camps, Educational Sessions, and events related to gender discrimination, drug abuse, child labor, and road safety.

**Upholding Human Values:** PIET organizes events, activities, guest lectures, workshops, and competitions to make students and employees aware of their rights, duties, responsibilities, and values. Human Values are prescribed in the syllabus to teach the harmony of an individual with self, family, society, and national and international perspectives.

**Formation of Clubs for Sensitizing Students and Employees:** Various clubs in PIET are organized to ensure discipline and gender sensitization, bringing unity and cohesiveness among students and ensuring a better living culture on the campus.

**Formation of Committees & Cells:** PIET has established various committees and cells to promote tolerance and harmony among students and employees. These include the SC/ST/OBC Cell, Student Grievance Redressal Committee, Women Redressal Cell, and Minority Cell. PIET is committed to practicing its constitutional obligations, celebrating important events, and maintaining unity, integrity, peace, and harmony.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 7.2 Best Practices

### 7.2.1

**Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual**

**Response:**

#### **Best Practice 1**

**1. Title: Constant boosting-up of Quality Teaching- Learning Process, innovation and Research with incentives, awards and welfare for Faculty, staff and students**

PIET enhances teaching and learning processes, promoting high-quality content, knowledge creation, and incentives for faculty and students.

**2.Objectives of the Practice:** PIET has determined the following objectives for the implementation of best practice such as to:

- 1.Support and motivate faculty, staff, and students through Reward & Motivation Scheme.
- 2.Attract and retain top students and faculty members.
- 3.Increase employee engagement and create a positive work environment.
- 4.Evolve Research & Development environment in institution.
- 5.Improve faculty quality for better teaching –learning situations.
- 6.Ensure the holistic development of students with quality technical learning.

**3. The Context:** PIET enhances academic quality by providing platforms for faculty, staff, and students to enhance skills, motivates them to stay updated with technology, and prepares them for global careers.

**4. The Practice:** The implementation of best practices in PIET's can be clearly observed as PIET holds the Kalanidhi Annual Prize Distribution and Award Ceremony every year, distributing certificates and cash prizes to students for encouraging continuous learning through project development, research activities, and other curricular co-curricular activities. PIET has increased the number of buses, distributed safety accessories, and provided internet allowances for regular theory and practical classes during the Covid-19 pandemic. The Performance Incentive Scheme for faculty and technical staff recognizes efforts for academic performance and standards. The Consultancy & Research Incentive Scheme of Poornima, encourages the faculty members to undertake research and consultancy work for scientific/technical collaboration. The Institute also provides the Technical Publications Incentive Scheme for faculty members. PIET also has an IPR Cell that emphasizes protecting innovations through patents, copyrights, and trademarks and implements an Incentive Policy to foster excellence among faculty members and staff. PIET organizes faculty development programs, provides R&D support, sponsorship, up-skilling, QIP support, sabbatical leave, travel grant, and membership support.

**5. Evidence of Success:** The Reward & Motivation Scheme at PIET has led to a 5-6% increase in academic and extracurricular performance, demonstrating the positive impact of incentives on campus dynamics. The schemes have also fostered talent retention, retaining talented and committed employees. They have created a supportive and conducive environment, recognizing and rewarding the hard work and devotion of faculty members and staff, resulting in the retention of significant knowledge and

experience. The motivational programs have encouraged students to achieve success in their studies, athletics, and technical activities, fostering a culture of quality and accomplishment. This has led to a culture of excellence, motivating students to reach their full potential. Additionally, the schemes have motivated faculty members to pursue academic advancement, fostering teamwork, knowledge exchange, and professional growth. Overall, the Reward & Motivation Scheme has been instrumental in PIET's success.

## **6. Problems Encountered and Resources Required:**

1. Implementing Academic Growth Practice requires dedicated faculty and staff to motivate each other and students.
2. No limitations or constraints during implementation.
3. Encourages individual faculty and student participation to enhance interactions with various industries and academics.
4. Institute has allocated funds and traveling allowances for industry association.

## **Best Practice 2**

### **1. Title : Fostering Skills & Innovations in Students through Experiential Learning**

In PIET for better learning experiences, along with traditional classroom teaching and laboratory learning; Project based learning has been greatly practiced. Project-based Learning (PBL) is a student-centric pedagogy that involves a dynamic classroom approach in which it is believed that students acquire a deeper knowledge through active exploration of real world challenges and problems to deal with non- syllabus projects.

### **2. Objectives of the Practice**

1. Exploring Real-World Experiences in Education
2. Gaining practical experiences related to real-world issues.
3. Focusing on societal-level problem-solving for societal benefits.
4. Highlighting real-world problems involving science and engineering concepts.
5. Motivating group work for cooperative problem-solving.

**3. The Context:** The practical learning in PIET involves hands-on experiences, critical thinking, and innovative approaches to engineering problems. Project-oriented labs foster independent thinking and communication skills. The research process impacts learning objectives and prepares students for professional service. The students get benefits from presentations, publications, and exposure to the hypothesis-driven scientific method, enhancing their visibility in the scientific community.

**4. The Practice:** The practice of non-syllabus projects focuses on practical and cognitive aspects of knowledge beyond the curriculum, fostering creativity and innovation through collaborative exploration of complex problems. The institute provides resources and training to students, with their projects exhibited in the annual event Udhbhav. It also offers value-added courses in association with various industries, such as AI & Data Science Master Class, MODROBS Neural Network Deep Learning Lab, and Udhbhav Project Expo. The institute also hosts national level hackathons to foster innovation and problem-solving among students. The facilities for achieving these practices include state-of-the-art labs with industry collaborations, IPR Cell, Centre of Excellence in Integrated Design and Innovations in

Advanced Digital Manufacturing, Poornima Business Incubation Centre, Alumni Association, networking, and sustainability and growth. The institute also emphasizes the importance of protecting innovations through patents, copyrights, and trademarks.

**5. Evidence of Success:**

1. Over 500 student projects annually.
2. Over 60 patents from innovative projects.
3. More than 400 research publications in SCI/Scopus/UGC journals.
4. Participates in Hackathons, winning over 10 awards.
5. Started nearly 27 startups using students' entrepreneurial skills.
6. The students secure high package placements in prestigious companies in 80% of cases.

**6. Problems Encountered and Resources Required:**

1. Enhancing student skills through innovative projects using the latest technologies.
2. Addressing the gap in IPRs due to student innovations.
3. Balancing infrastructure scaling and latest technologies.
4. Efficiently setting short and long-term project goals.
5. Employing new technology to maintain unique project nature.

File Description	Document
Best practices as hosted on the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.3 Institutional Distinctiveness**

**7.3.1**

**Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

**Response:**

**7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust**

**Partnership for Achieving Goals (SDG 17) of Quality Education (SDG 04) through Strong Industry Innovation & Infrastructure (SDG 09): Contributing towards Nation Building**

PIET has established quality associations with academic institutions and industries to help achieve the Sustainable Development Goals (SDGs). Through these agreements, the institute conducts academic, research, and empowerment activities for quality improvement and skill development. It also engages

students and faculty in conversations with experienced technocrats to broaden understanding of complex engineering concepts and industry trends. PIET's dedication and perseverance have set new standards in education, with recognition from government bodies for outcome-based learning, research work, teaching-learning process, teacher competence, and placement efforts.

**1. Industry Institute Interaction (i3) Day - Value Added Courses:** PIET offers Add-on Courses in association with industries in each semester. These courses are conducted by industry members and follow a good assessment model. The i3 day program prepares students for competitions and enhances skills, with certificates issued for successful completion.

**2. Faculty Workshops Conferences from Experts:** PIET hosts industry-focused workshops for faculty members, enhancing knowledge and skills, career advancement opportunities, and subject matter competence. It also organizes knowledge-enriched conferences with industry and academia partners, promoting networking, creativity, and information sharing.

**3. Organizing Student Internships with Industry:** PIET offers an internship program for future engineers, focusing on developing technical skills and practical knowledge through industry partnerships with various industries. The program includes in-house internships with industry experts, project preparation, and practical training, with certifications provided at the end.

**4. Placement efforts with Industry:** PIET have a strong track record of achieving outstanding placements in prestigious industries, with graduates sought after by companies. The institute's commitment to training students for successful careers is evident.

**5. Workshops and Student Development Programs with Industry:** PIET collaborates with industry leaders to provide holistic student development programs, bridging academic knowledge with practical skills. Workshops and mentorship enhance employability and prepare students for engineering and technology challenges.

**6. Faculty members training Industry members and on-board of Industry:** A key component of our academic culture at PIET is the strong link between our academia and experts from the industry. Some of the faculty members of the institute are on-board of a few industries and are also engaged in training the industry members in form of Workshops & seminars.

**7. Entrepreneurship & Business Incubation related Activities:** PIET aims to foster entrepreneurship and innovation through its specialized Poornima Business Incubation Center (PBIC). Since 2014, 27 start-ups have been groomed, with 11 registered with the Government of India and one funded by MAIETY, GO

**8. Industrial Oriented Projects & Visits:** For the practical applications of learning PIET incorporates non curricular activity in the regular curriculum. It also helps to show their creativity and innovative mind. Students get & work on short duration assignments with Industries for their real-time projects during their academic duration, especially in 3rd & 4th year. Institute also organizes regular industrial visits for the students.

**9. Coding Competitions & Game Development Activities:** PIET has well equipped labs having the latest configuration desktop and software for designing, coding, and analyzing games. They promote excellence in coding and game design through coding competitions, game production activities, and

innovative culture. These programs prepare students for exciting employment in the rapidly changing technology field.

**10. Webinars/ Seminars:** PIET hosts various webinars and seminars on various topics, fostering intellectual interaction and fostering a culture of creativity and academic success. These interactive sessions cover emerging technology and market trends, ensuring the academic community stays updated on the latest advancements.

**11. Hands-on Practice Sessions & Workshops for Faculty & students:** PIET prioritizes experiential learning through intensive practice sessions and workshops, providing hands-on experience with newest engineering tools and technologies. Faculty undergoes ongoing training, while students gain practical skills through interactive seminars.

**12. Sessions on Higher education, Competitive examinations & foreign studies:** PIET provides students with comprehensive guidance on higher education, competitive exam preparation, and foreign studies. Regular sessions offer insights into academic paths, exam strategies, and opportunities for international education, empowering students to make informed decisions.

**13. Established Labs in association with Industry:** PIET offers modern laboratories, including AR/VR, Robotics, IDEA, Deep Learning & Neural Network, IoT, and Advance Material Testing, to students. These labs provide practical learning experiences with real-world applications. PIET has established partnerships with various industries, including AICTE-MODROB, REDHAT, ORACLE, Sincgrid, and AWS academy, to provide students with cutting-edge technology.

**Remarkable Outcomes of the Practices: Strong Industry Innovation & Infrastructure (SDG 09) Support: Contributing towards Nation Building**

1. PIET has been rated Platinum by AICTE-CII Survey, highlighting the importance of industry linkages and collaborations in higher education.
2. More than 80% of students have received quality package placements with strong industry connections, demonstrating the institute's commitment to providing industry-relevant skills and exposure.
3. The institute has been rated 3.5 Star in IIC Rating by the Ministry of Education, Government of India, for promoting quality professional & technical education.
4. The institute has published many papers in association with industry, demonstrating the breadth of its research output and the collaboration between academics and business.
5. PIET has received funding of over 20 lakhs from industry partners for consultancy & endowment, strengthening the institute's commitment to using technical expertise in real-world applications.
6. The institute has fostered approx 27 startups at its campus, showcasing the diversity and dynamism of the industry.
7. PIET's Centre of Excellence in Advanced Digital Manufacturing provides industry-relevant education and training.
8. Awarded as the Centre of Excellence for Advanced Digital Manufacturing by its affiliating University.
9. Offers extensive internship programs with 41 industry
10. The students have won awards at Pan-National Level in Hackathons /Coding Competitions.
11. Establishes strong associations with Industry Linked Technical Institutes.

**Conclusion:** PIET aligns with the United Nations Sustainable Development Goals (SDGs) by collaborating with industry, implementing innovative teaching methods, and fostering a symbiotic relationship between academia and industry. PIET promotes knowledge adoption through innovation and technology transfer, encouraging entrepreneurship through start-ups, recruitment, research, mentoring, and professional training. It provides quality education in IT and basic sectors, enhancing the engineering curriculum and facilitating placement for graduate engineers.

File Description	Document
Appropriate web in the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

PIET is actively implementing the high-level strategic directions for research, innovation, and entrepreneurship within its institutional ecosystem. Remarkably, we are witnessing significant growth among students in mastering technologies, communication skills, and human values alongside sharp entrepreneurial acumen. These skills align closely with the primary objectives set by India's higher educational authorities for institutes offering higher education. The institute diligently applies the foundational principles of equity and inclusivity of the Indian Education System across all educational, research, and innovation activities conducted regularly across various departments.

PIET also serves as a distinguished Remote Centre of IIT Bombay, facilitating various beneficial workshops for students under the supervision of the Remote Center Coordinator (RCC). At PIET, the RCC collaborates with workshop coordinators and system administrators to oversee workshop-related activities.

PIET is ISO Certified too for Environment Management and conducts all environmental drills and green practices

The institution hosts a Nodal Center for NPTEL/SWAYAM courses, accessible to faculty members and students. With the help of this Center students and faculty members of PIET have Completed 200+ courses on NPTEL/SWAYAM and have achieved certificates too. PIET's objective in this endeavor is to provide the best teaching-learning resources to all faculty members and students, thereby enhancing learning outcomes.

PIET has good focus on nurturing faculty members and for the same we conduct International Conference/Workshop/Seminar on regular basis our ICIMMI Conference has become an International Brand with its 5 additions completed till date. We encourage faculty members to focus on research projects, IPR and Publications and honour them with incentives on successful quality attainments.

For last 05 years PIET has transformed its governance and is now more student governed, specially when it comes to conduct activities. Our Students' Council and its Clubs conduct lot of activities on regular basis, thus imparting leadership skills, managerial skills, team work and knowledge to all the students of PIET.

PIET has well structured and strong Tutor Mentor system for support of each and every student, that deals with regular mentoring, handling Stress management issues and guidance on career and academic front.

The institution actively organizes awareness meetings, workshops, seminars, and guest lectures on entrepreneurship, promoting Indian Knowledge Systems (IKS), and fostering a knowledge-based society through advanced technologies and innovative research. PIET is committed to promoting education among underprivileged communities through scholarship programs, mentorship initiatives, and workshops.

### **Concluding Remarks :**

Since its inception and 1st Cycle of NAAC, PIET has evolved as an Institution and with the help of active and supportive IQAC PIET has set all the benchmark of quality education and developing technocrats for betterment of Society. Poornima Institute of Engineering & Technology stands as a beacon of academic

excellence and innovation in Jaipur, Rajasthan. The institute's commitment to quality education is evident through its state-of-art infrastructure, dedicated faculty, and comprehensive educational programs. PIET's vision is centred on creating a knowledge-based society through cutting-edge technologies and innovative research. This vision is complemented by a mission aimed at fostering creativity, critical thinking, and ethical practices among students and faculty. PIETs' focus on stringent teaching learning system with strong and transparent Examination system has been pivotal in its growth. The well structured and continuous efforts on Feedback and Outcome Based Education (OBE) has paved path for quality improvement on all fronts namely faculty quality, teaching pedagogy, course content & delivery, beyond classroom activities, assessment and infrastructure. The institute's alignment with the United Nations' Sustainable Development Goals, underscores its commitment to addressing global challenges and promoting sustainable development. The institution prides itself on several strengths, including its high accreditation and rankings, ICT enabled practices, focus on research & innovation, dedication towards student skill development and grooming along with proactive engagement with industry through numerous collaborations, and environment friendly practices. PIET's achievements in research and innovation are notable, with significant grants secured and a substantial number of patents and research papers published. However, PIET also recognizes areas for improvement. Challenges such as curriculum modification limitations, financial constraints on research funding, and the need for continuous skill enhancement among faculty and students are acknowledged. Nonetheless, PIET remains committed to overcoming these challenges through strategic initiatives and partnerships.