



POORNIMA

INSTITUTE OF ENGINEERING & TECHNOLOGY

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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

Response:

The Strategic Development Goals (SDGs) monitor national performance for all UN members and other key stakeholders. By establishing quality associations with over 40 academic institutions and industries worldwide on various aspects of quality education and skill development for its students, faculty, and staff, Poornima Institute of Engineering & Technology has taken the lead in helping to achieve some of the Sustainable Development Goals (SDGs). As a result, better goals will be achieved in the years to come. Under these Memorandums of Understanding, the institute has conducted academic, research, and empowerment activities for society for quality improvement and skill development. These are organized at various frequencies (weekly, monthly, bi-annually, or annually) to achieve the said goals.

The importance of networking in engineering is not only limited to providing opportunities but also providing a platform to prospective engineers for knowledge exchange. PIET is exceedingly following its distinctive vision by engaging the students and faculty members in conversations with experienced technocrats which can broaden the understanding of complex engineering concepts, industry trends, and the latest technological advancements.

Poornima Institute of Engineering & Technology with dedication, devotion and perseverance has set the benchmark and scaled new heights of education. Our quality education initiatives and student centric approaches have been recognized by various government bodies in terms of rankings and recognitions. We have gained appreciation in terms of outcome-based learning, research work, teaching-learning process, teacher competence and placement efforts.

- **List of Our Strong Partners:** The following list enlists the esteemed partners of Poornima Institute of Engineering and Technology who are significantly contributing in achieving the Strategic Development Goals:

Oracle Support	Springer Nature Singapore Pte Ltd.
Red Hat India Pvt Ltd	GIP Technologies Pvt. Ltd
Coding Ninjas	GRASS Solutions Pvt. Ltd



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Springer Nature Singapore Pte Ltd.	Upflairs pvt ltd
Younify Applications Private Limited	Kistechnosoftware pvt ltd
CELEBAL TECHNOLOGIES PVT. LTD.	Navriti Technologies
Hitesh Lahoti Associates, Pune	Ybiance
Rapid ops Solutions pvt. ltd	Quantumbit Techcology Pvt Ltd
IBM India	GG Esports Ventures Private Limited
AIESEC JAIPUR	KARYTECH
HELIOS WEB SERVICES	ROBOFI
SYNORIQ.	sincgrid LLP
ICT Academy	American Institute of Physics
Springer Nature Singapore Pte Ltd.	Confederation of Indian Industry
Springer Nature Singapore Pte Ltd.	Autocratic Solutions Pvt Ltd
Exeliq Tech. Solutions Pvt Ltd	Zeetronetwork Pvt Ltd
Electrolites	Aerophantom
VMK Digitals	Asia University, taiwan
Club First Robotics	Hack2skills
Johns Automation Systems	College of computing & information sciences
MACHIN AUTOMATION (OPC) PRIVATE LIMITED	

PIET is greatly concentrating on making strong relations with these partners and conducting various activities with these partners, to ensure delivery of quality education to our students and getting good industry oriented learning by the students with help of these partners. Some of the major practices to ensure students & Faculty regular engagement with Industry are-

1. **Industry Institute Interaction (i3) Day - Value Added Courses** : Apart from the departmental activities and the online/offline certification courses, PIET offers many Add-on Courses in



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association with various Industries like Ybiance, Navriti Technologies etc. These courses range from 30-50 hours per semester and are 100% conducted by Industry members only following a good assessment model. The successful completion of i3 days and workshops is highly appreciated as it requires many humble and continuous efforts by the teachers and students of the PIET The i3 day program in PIET aims to prepare students for competitions and enhance skills. It allows regular progress monitoring and identifies weaknesses for improvement. The students are required to participate in one Value added course per semester followed by assessment, with certificates issued for successful completion of the same. This program ensures students' readiness for better placements and skill enhancement.

- 2. Faculty Workshops from Experts :** Poornima Institute of Engineering and Technology (PIET) ensures that its faculty members stay up to date on the most recent developments and trends in the sector by conducting frequent workshops led by industry professionals in the field. PIET has conducted workshops for the enhancement of the knowledge and skills possessed by the faculty members. These faculty workshops are excellent forums for career advancement and information sharing. The faculty members are able to fill the gap between academic knowledge and practical implementations by inviting renowned specialists from a variety of sectors to contribute their ideas, experiences, and practical viewpoints. These seminars/ workshops provide the faculty members a broader grasp of the expectations and problems of the business in addition to improving their subject matter competence.
- 3. Conferences in Association with Industry & Academia:** PIET focuses on organizing the knowledge enriched conferences in association of Industry & Academia Partners. Every year conferences are conducted in a very efficient manner. Through these influential conferences, PIET actively promotes industry-academia partnership. These gatherings offer a vibrant setting for networking, creativity, and information sharing. PIET guarantees a confluence of cutting-edge research and useful insights by arranging conferences in collaboration with academic specialists and executives in the business. By acting as catalysts for multidisciplinary conversations, these conferences help attendees keep up to date on business trends.
- 4. Organizing Student Internships with Industry:** PIET immensely targets the Internships program for future engineers with Industry tie ups to develop their technical skills with practical knowledge. The internships are effectively organized as per the scheme of Rajasthan Technical University, Kota (RTU-Kota) with many industries like Upflair Pvt. Ltd. , Aerophantum, Quantum Bit Pvt. Ltd, Zeetron, Grrass, GIP technology Pvt Ltd, kistechno Software pvt. Ltd. PIET also organizes inhouse internships with sound collaborations with Industry experts. The process follows with the preparation of various projects and practical training on them. The certifications are provided at the end of the internship program.
- 5. Placement efforts with Industry:** Poornima Institute of Engineering and Technology has a history of achieving outstanding placements while working with prestigious industries. The talented Engineering graduates from PIET have been actively sought after by renowned



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companies like Infosys Ltd., Airtel, Byju's, Webkul Software, ATCS, Capgemini, Jaro Education, Shri Genesis Software Solutions, AU Small Finance, Auriga IT, Metacube, Intecons Software Lab, Celebal Tech, Optimus Information, Hike Education, and SunArc Tech. The institute's commitment for helping the students in getting good jobs is a fine reflection of its commitment to training students for successful careers in a variety of areas, recruiters who are looking for qualified and capable professionals choose PIET.

6. **Workshops and Student Development Programs with Industry:** Poornima Institute of Engineering Technology prioritizes holistic student development through tailored programs in collaboration with industry leaders. These initiatives aim to bridge the gap between academic knowledge and industry requirements, fostering skills crucial for professional success. Through workshops, and mentorship programs, students gain practical insights, enhancing their employability and preparing them for the dynamic challenges of the engineering and technology sectors. This strategic integration with industry ensures that our students emerge as well-rounded professionals ready to excel in their chosen careers.
7. **Faculty members training Industry members and on-board of Industry:** A key component of Our academic culture at Poornima Institute of Engineering Technology 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.
8. **Entrepreneurship & Business Incubation related Activities:** The mission of Poornima Institute of Engineering Technology is to promote entrepreneurship and innovation. The aspiring business owners may find a supportive atmosphere, tools, networking opportunities, and mentorship at our specialized Poornima Business Incubation Center (PBIC). Many industry experts, Angel investors and established entrepreneurs help PBIC to organize mentoring sessions for our budding entrepreneurs. PIET has been supporting the new budding Entrepreneurs since 2014 through a club which is known as PBIC. Till now 27 start-ups have been groomed, out of which 11 are registered with Government of India and 01 of them funded by MAIETY, GOI also.
9. **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. .
10. **Coding Competitions & Game Development Activities:** Poornima Institute of Engineering Technology (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.



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11. **Webinars/ Seminars:** Poornima Institute of Engineering Technology actively fosters intellectual interaction with a wide range of Webinars and Seminars conducted on various informative themes. These gatherings give professors and students the chance to interact with eminent specialists, academics, and Industry people. In each session PIET conducts Webinars/Seminars and these cover a wide range of subjects from emerging technology to market trends, providing attendees with insightful information. These webinars' interactive format creates a lively learning atmosphere that welcomes critical debates and networking possibilities. At Poornima Institute of Engineering Technology, a culture of creativity and academic success are fostered by our dedication to lifelong learning, which guarantees that our academic community remains current on the most recent advancements.
12. **Hands-on Practice Sessions & Workshops for Faculty & students:** The teachers and students at Poornima Institute of Engineering Technology place a high value on experiential learning through intensive practice sessions and workshops. The purpose of these courses and workshops is to provide participants hands-on experience with the newest engineering tools, technologies, and techniques. In order to keep current, faculty members go through ongoing training, and students gain from interactive seminars that apply theory to practical situations. Our academic community is well-equipped with the skills necessary for success in their academic and professional endeavors because of our dedication to experiential learning.
13. **Sessions on Higher education, Competitive examinations & foreign studies:** PIET is dedicated to guiding students towards achieving higher education, preparing for competitive examinations, and opportunities for foreign studies. The regular sessions are organized to provide insights into various academic paths, preparation strategies for competitive exams, and information on pursuing education from abroad. Through these sessions, students receive comprehensive guidance which empowers them to make informed decisions about their academic journey and career aspirations. The institute strives to equip students with the necessary tools and knowledge to excel in their chosen fields globally.
14. **Established Labs in association with Industry:** The Modern laboratories have been developed by Poornima Institute of Engineering Technology in association with various partners. PIET provides various labs to students, some of them are AR/VR lab, Robotics lab, IDEA lab, Deep Learning & Neural Network lab, IoT lab, Advance Material Testing lab etc. These laboratories function as vibrant centers where students are exposed to cutting-edge technology that are pertinent to the industry. The labs are outfitted with the newest tools and equipment thanks to the partnership with industry, giving students a practical learning experience that is in line with real-world applications. The establishment of the first and only IDEA Lab in Rajasthan funded by AICTE and Neural Network & Deep Learning Lab under AICTE-MODROB, REDHAT Lab, ORACLE Lab, Sincgrid lab, AWS academy are some of the examples. PIET has established wonderful associations with many industries for establishing the labs.



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

The above mentioned practices have yielded various outcomes for the Institute in all the fronts of providing quality education and yielding quality manpower in the form of skilled engineers for the nation. The objectives of achieving the SDG's and contributing in Nation Building are achieved only by bridging the gap between industry and academia. The linking up with industry academia is an innovative solution to bridge the gap between job requirements and the training provided in educational institutions. It has short term and long term benefits and with them, PIET has established collaborations with various industries. This collaboration promises to not only dramatically improve student employability, but also pave the way for fostering "innovative" learning like never before. The following remarkable outcomes are given to throw more light on PIET's significant contribution in achieving the SDG's and Nation Building:

- 1. Rated PLATINUM by AICTE-CII Survey:** Globally, excellence in higher education and especially engineering education has thrived on robust industry linkages and collaborations. Producing quality Human Resource and contributing to social and economic development through research are two vital indicators of excellence of engineering institutions. AICTE-CII Survey for Industry-linked technical Institutes maps the industry linkages of Indian technical institutes in a very distinctive way to its vision, priority and thrust. This survey assesses the engagement of the institute with industry & its mapped outcomes, and with our strong efforts, PIET has been Rated PLATINUM by AICTE-CII Survey.
- 2. More than 80% placements with regular growth in last 05 years:** PIET has been able to place 80% students and are getting high package placements with strong connections with industry partners. PIET's commitment for providing the students with industry-relevant skills and exposure has resulted in successful career launches. The institute's proactive engagement with corporate partners, coupled with a focus on grooming students for the professional landscape, has contributed to sustained growth in placements, reflecting the institute's dedication to excellence in education and career development. Notable point is in the last 05 years our average packages have grown from 2.7 Lakh per annum to 5.6 Lakh per annum with maintaining consistency in placements.
- 3. Rated 3.5 Star in IIC Rating by MoE:** Poornima Institute of Engineering and Technology has been rated 3.5 star by Innovation Council, Ministry of Education, Government of India for promoting quality professional & technical education to students. The institution dedicatedly conducts the activities related to Innovations, IPR, and Entrepreneurship under the IIC flagships with help of industry experts & entrepreneurs, to motivate its students to generate new business Ideas & nurture them further. IIC of PIET has organized more than 100 activities in the last 3



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years to address research & innovation, start-up, internship, IPR etc. The Council has made remarkable efforts to develop and nurture the young brains to create new initiatives based on innovation and starting start-ups. These activities have resulted in more than 75 IPR Registers are highly appreciated by all stakeholders and resulted into new start-ups developed by our students as well as IPRs developed by our faculty & students.

4. **10 Papers published in association with Industry:** The quality research papers of our faculty & students are regularly published in Scopus Journal, Springer, and UGC care journals etc. In last 05 years 288 publications have indexed in Scopus & SCI only, out of which 10 publications are with Industry experts and entrepreneurs. .
5. **Received funding 21.7 lakhs from Industry for Consultancy & Endowment:** PIET has accomplished a noteworthy feat in securing the funding of 21.7 lakhs from notable industry partners, and projects worth Rs. 15 lakh have been completed by our faculty & students till date. This represents a key milestone in the development of collaborative connections between academics and the corporate sector. This large amount of funding is used for endowment projects and consulting work, strengthening the institute's dedication to using technical expertise in real-world applications. The inflow of funds from industry sources helps the institution create innovative research, technology transfer, and skill-building initiatives, all while improving its financial stability.
6. **27 Startups incubated at PIET campus:** Poornima Business Incubation Centre (PBIC) is a wonderful venture of Poornima Institute of Engineering & Technology (PIET) that nurtures, nurtures and fosters incubation of start-ups. PIET is a hub for fostering innovative start-ups, with a diverse range of entrepreneurial ventures. The notable start-ups include Aerophentum, Local eyes, Theta Electronics, RashaanBag, Writer's Voice Society, Tinkers Town, NamasteSir.com, Regular Product and Technologies Private Limited, M/S. Bread & Butter Tech, and Readingbox.In. The institute's incubation system is a home to numerous start-ups, showcasing the diversity and dynamism of the industry. These ventures reflect the institute's commitment to fostering innovation, creativity, and entrepreneurship among its students and alumni.
7. **Centre of Excellence:** The Centre of Excellence in Integrated Design and Innovations in Advanced Digital Manufacturing at PIET focuses on bridging the gap between industry and academia. It provides industry-relevant education and training, equipping students with skills in manufacturing technologies. It fosters innovation and experiential learning, aligning with the 'Make-in-India' initiative. PIET has been awarded as Centre of Excellence for Advanced Digital Manufacturing by its affiliating University that facilitates Skill development, hands on learning and innovation.
8. **Student Internships with industries:** The extensive internship programmes provide students with practical experience and exposure to real-world settings in a wide range of sectors. The institution ensures that students have access to a diverse range of internship possibilities that are specifically targeted to their subjects of study.
9. **Students achieving awards at Pan National level in Hackathons/Coding Competitions etc.-** Poornima Institute of Engineering and Technology is extremely proud of its students as they have continuously shown remarkable potential and skill in the field of technology by winning awards and certificates in coding contests and Hackathons at the Pan-National level. Our students



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earned prizes in various events organized by premier institutes or organizations like IIT, NIT etc. Our students participate in these hackathons for solving real time problems of industries. These accomplishments demonstrate the institute's dedication to fostering an innovative and high-achieving culture. The students have demonstrated their ability on a national platform, owing to the institution's impartation of cutting-edge technological knowledge and problem-solving capabilities. Their accomplishments in coding contests and Hackathons are a testament to their commitment and diligence as well as the insightful advice and mentorship they received from the Poornima Institute of Engineering and Technology teachers

- 10. Industry and Government Funded Labs:** PIET is greatly known for the strong establishment of associations with Industry Linked Technical Institutes. We gladly state that the establishment of the first and only IDEA Lab in Rajasthan funded by AICTE and is having many industry and government funded labs like Neural Network & Deep Learning Lab under AICTE-MODROB, REDHAT Lab, ORACLE Lab and many more. The industry-funded labs are equipped with cutting-edge technologies, tools, and resources generously contributed by corporate partners, ensuring that students gain hands-on experience with the latest advancements in their respective fields. Simultaneously, government-funded labs align with national initiatives, promoting research and development in crucial areas of interest.

Conclusion: Therefore, it can be concluded that Poornima Institute of Engineering Technology aligns with the United Nations Sustainable Development Goals (SDGs), particularly SDG 17 (Partnerships for Goals), SDG 04 (Quality Education), and SDG 09 (Industry, Innovation & Infrastructure). By the strong collaborations with industry and implementing innovative teaching methodologies, and state-of-the-art infrastructure, PIET contributes to the National development by providing quality education that prepares students for impactful roles in the evolving engineering landscape, fostering a symbiotic relationship between academia and industry for sustainable growth and progress. PIET has great industry connections for benefitting the students in the best ways. Our primary objective is to promote the adoption of knowledge among students through innovation and technology transfer, and encourage entrepreneurship through start-ups, recruitment, research, mentoring, classroom involvement, and professional training. PIET has ensured to provide quality education in both IT and basic sectors in true sense. We believe that better connectivity between technical institutions and industry is the need of the hour. This greatly affects the engineering curriculum, by giving exposure to engineering students to the industrial environment. It also provides subsequent placement to young graduate engineers in industries across the country. So, we take the utmost pride that PIET takes forward its extraordinary journey with the motto that, **“Success is not a destination, it is a journey”**.