PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institute, Approved by AICTE, New Delhi & Affiliated to Kurukshetra University, Kurukshetra)

SDG 4: QUALITY EDUCATION

Goal 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

1. **PIET's focus on Education 4.0**

   The institute's philosophy of Education 4.0 and various initiatives perfectly align with **Sustainable Development Goal (SDG) 4-Quality Education.** Education 4.0 is implemented in the institute through a comprehensive, technology-enhanced learning ecosystem that includes:

   1.1 Blended Learning: Combining online and face-to-face instructions to cater to diverse learning preferences and needs of students. Online learning management system is extensively used

   1.2 Flipped/collaborative Learning Classrooms: Institute facilitates interactive and student centred learning, allowing students to engage with content at application level with practice of Higher order thinking (Bloom's Taxonomy level 4-6).

   1.3 Facilitating Innovation: AICTE Idea Lab, and co-working spaces encourage peer-to-peer learning, idea/solution generation, concept implementation, testing for transferring creative ideas to innovation that impacts the society and startups.

   1.4 Specialized Laboratories: Including IoT Lab, Augmented Reality/Virtual Reality Lab, 3-D Printing Lab, LiFi Lab, CNC Wood Router Lab, and PCB Manufacturing Lab, these facilities provide students with hands-on experience in cutting-edge technologies thereby improving skills and competencies.

   1.5 Smart Infrastructure: Smartboards, projectors, plickers for quiz evaluation, and seminar halls equipped with the latest technology to support interactive and multimedia learning.

   1.6 Sustainability Initiatives: Institute's practice of environmental sustainability, includes a 570 KVA solar power plant, water conservation and water harvesting and green campus efforts. The Institution is a member of United Nations Academic Impact (UNAI) initiative

2. PIETs Accreditation & Approvals

The departments of Computer Science & Engineering (CSE), Electronics and Communication Engineering (ECE), Masters of Business administration (MBA), Information Technology (IT) are accredited by the National Board of Accreditation (NBA) and the All India Council of Technical Education (AICTE).

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg,
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620-22, 2436 0654 ; Telefax: +91 11 4308 4903
Website: www.nbaind.org

File No: 21-60/2017-NBA

Date: 20-12-2019

To
The Principal
Panipat Institute of Engineering & Technology,
70k.M., G.T. Karnal Road, NH-1,
Village Pattikalyana, Samalkha,
Panipat-132102,
Haryana

Subject: Accreditation status of program applied by Panipat Institute of Engineering & Technology, 70k.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana.

Sir,

This has reference to your application I.D. No. **2559-20/09/2017** seeking accreditation by National Board of Accreditation in Tier-II format to UG Engineering program offered by **Panipat Institute of Engineering & Technology, 70k.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana.**

2. An Expert Team conducted on-site evaluation of the program from **21st to 22nd September, 2019.** The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the program as given in the table below:

Sl. No	Name of the Program (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Computer Science & Engineering	Tier-II Document	Accredited	Academic Years 2019-2020 to 2021-2022 i.e. Up to 30-06-2022	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the competent authority, whichever is earlier

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The program has been granted accreditation for 3 years. **Panipat Institute of Engineering & Technology, 70k.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana** should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above to be eligible for consideration by the concerned Committee in NBA for further processing of the accreditation status. This could entail further extension of accreditation or a revisit, as deemed appropriate by NBA Committees.

5. The accreditation status awarded to the program as indicated in the above table does not imply that the accreditation has been granted to **Panipat Institute of Engineering & Technology, 70k.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana** as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

6. The accreditation status of the above program is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited program as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

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NBA accreditation certificate of CSE department (2019-22)

राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड, नई दिल्ली -110003

NATIONAL BOARD OF ACCREDITATION

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

File No. 21-60-2017-NBA   Date: 24-08-2022

To,
The Principal
Panipat Institute of Engineering & Technology,
70K.M., G.T. Karnal Road,
NH-1, Village Pattikalyana,
Samalkha, Panipat-132102,
Haryana.

Subject: Further accreditation status on the basis of Compliance Report of the program in Tier II offered by Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana.

Sir,

      This is regarding Compliance Report submitted by **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana** for the UG Engineering program which weas accredited by NBA in Tier-II for academic years 2019-20 to 2021-22 whose validity of accreditation has expired on 30.06.2022.

2.   An Expert Team conducted data verification of the programs on **17ᵗʰ June, 2022.** The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No.	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	**Computer Science & Engineering**	Tier-II June, 2015 Document	Accredited	Academic Years 2022-2023 to 2024-2025 i.e. upto 30-06-2025	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the competent authority, whichever is earlier.

3.   It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4.   The program has been granted accreditation for further 3 years. **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana** should submit fresh online application through eNBA portal at least five months before the expiry of validity of accreditation mentioned above.

5.   The accreditation status awarded to the program as indicated in the above table does not imply that the accreditation has been granted to **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana** as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

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Website: http://www.nbaind.org |Email:membersecretary@nbaind.org

NBA accreditation certificate of CSE department (2022-25)

File No. 21-60-2017-NBA

Date: 10-06-2022

To,
The Principal
Panipat Institute of Engineering & Technology,
70K.M., G.T. Karnal Road,
NH-1, Village Pattikalyana,
Samalkha, Panipat-132102,
Haryana.

Subject: Accreditation status of program applied by Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana.

Sir,

This has reference to your application I.D. No. **5911-24-08-2021** seeking accreditation by National Board of Accreditation to UG Engineering programs offered by **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana.**

2.   An Expert Team conducted onsite evaluation of the program from **13th to 15th May, 2022.** The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the program as given in the table below:

Sl. No.	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Electronics & Communication Engineering	Tier II June 2015 Document	Accredited	Academic Years 2022-2023 to 2024-2025 i.e. upto 30-06-2025	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier

3.   It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4.   The program has been granted accreditation for 3 years. **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana** should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above so as to be eligible for consideration by the concerned Committee in NBA for further processing of the accreditation status.

5.   The accreditation status awarded to the program as indicated in the above table does not imply that the accreditation has been granted to **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village Pattikalyana, Samalkha, Panipat-132102, Haryana** as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

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NBA accreditation certificate of B.Tech (ECE) department (2022-25)

राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड, नई दिल्ली -110003

NATIONAL BOARD OF ACCREDITATION

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

NBA
NATIONAL BOARD
OF ACCREDITATION

F. No. 21-60-2017-NBA

Date: 15-06-2023

To,

The Director,
Panipat Institute of Engineering & Technology,
70K.M., G.T. Karnal Road, NH-1, Village-Pattikalyana,
Samalkha, Panipat-132102, Haryana.

Subject: Accreditation status of Management program applied by Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village-Pattikalyana, Samalkha, Panipat- 132102, Haryana.

Sir,

This has reference to your Application Id. No. **7438-25/11/2022** seeking accreditation by National Board of Accreditation to the Management program applied by **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village-Pattikalyana, Samalkha, Panipat- 132102, Haryana.**

2.   An Expert Team conducted onsite evaluation of the program from **19th to 21st May, 2023**. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the program as given in the table below:

S. No.	Name of the Program(s) (PG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Master of Business Administration	July, 2017 Document	Accredited	Academic Years 2023-2024 to 2025-2026 i.e. up to 30-06-2026	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier

3.   It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4.   The accreditation status awarded to the program as indicated in the above table does not imply that the accreditation has been granted to **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village-Pattikalyana, Samalkha, Panipat- 132102, Haryana as a whole. As such, the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously.** Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the date from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

5.   The accreditation status of the above program is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited program as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

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NBA accreditation certificate of MBA department (2023-26)

राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड़, नई दिल्ली -110003

NATIONAL BOARD OF ACCREDITATION

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

NBA
NATIONAL BOARD of ACCREDITATION

F. No. 21-60-2017-NBA

Date: 27-06-2023

To,

The Director,
Panipat Institute of Engineering & Technology,
70K.M., G.T. Karnal Road, NH-1,
Village-Pattikalyana, Samalkha,
Panipat- 132102, Haryana.

Subject: Accreditation status of UG Engineering program applied by Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village-Pattikalyana, Samalkha, Panipat- 132102, Haryana.

Sir,

This has reference to your application Id. No. 7392-17/11/2022 seeking accreditation by National Board of Accreditation to UG Engineering program offered by **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village-Pattikalyana, Samalkha, Panipat- 132102, Haryana.**

2.   An Expert Team conducted onsite evaluation of the programs from 19th to 21st May, 2023. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the program as given in the table below:

Sl. No.	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Information Technology	Tier II June 2015 Document	Accredited	Academic Years 2023-2024 to 2025-2026 i.e. upto 30-06-2026	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier

3.   It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4.   The programs have been granted accreditation for 3 years. **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village-Pattikalyana, Samalkha, Panipat- 132102, Haryana** should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above so as to be eligible for consideration by the concerned Committee in NBA for further processing of the accreditation status.

5.   The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to **Panipat Institute of Engineering & Technology, 70K.M., G.T. Karnal Road, NH-1, Village-Pattikalyana, Samalkha, Panipat- 132102, Haryana** as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

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Website: https://www.nbaind.org |Email:membersecretary@nbaind.org

NBA accreditation certificate of IT department (2023-26)

3. **Awards and recognitions**

   PIET is the only institution of region to get selected by MoE in its first batch of awarding Idea Lab. Rs. 7.125 crores have been spent on IDEA Lab, Start-up Incubation centre, AR-VR Lab, IOT Lab, Li-Fi Lab
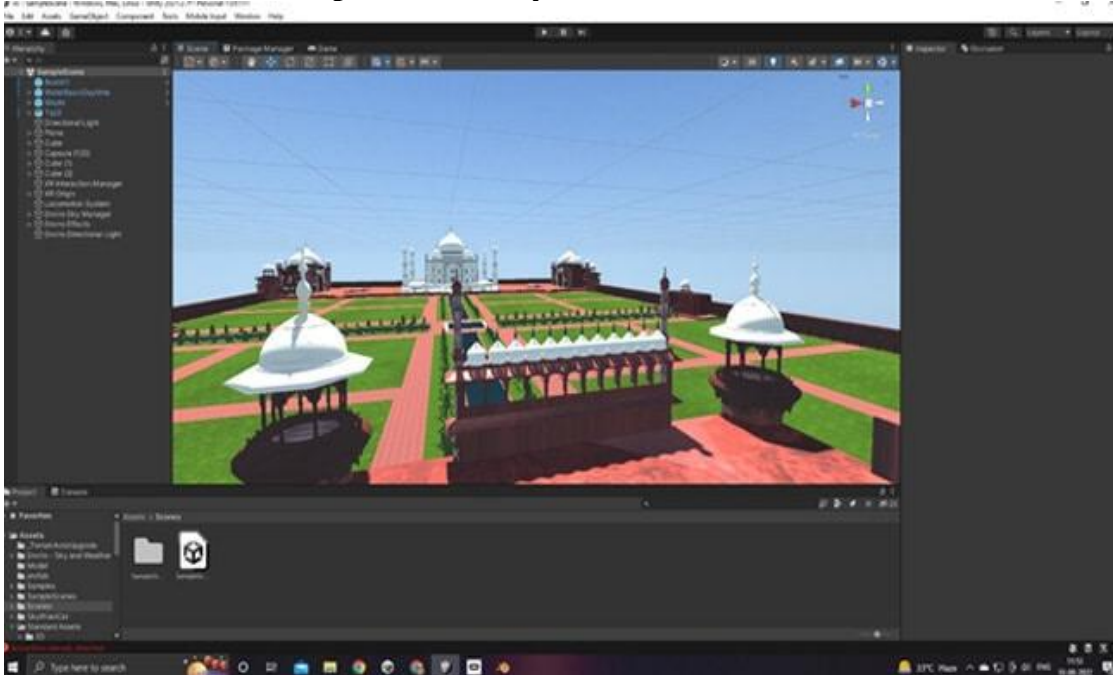

PIET Idea Lab Coordinator (Dr. Anju Gandhi) during guest lecture at Govt. School Nohra

Two days international conference was organized on January 21-22, 2021 in the institute on Startup Incubation in collaboration with the Hindu Economic Forum (HEF), where more than 50 startups with 400 participants attended the conference.

Startup conference by PIET incubation centre

A VR (Virtual Reality) tour of Taj Mahal created by PIET AR VR Lab students

4. Spending on training and skilling

(a) *Cyber Security Workshop:* The Department of CSE (Cyber Security) organized a one-day workshop on INFORMATION SECURITY. The Workshop's goal was to educate participants on the practice of preventing unauthorized access, use, disclosure, interruption, alteration, inspection, recording, or destruction of information.

Mr. Sunny Tyagi (Cyber Security professional and crime investigator. Founder of Cyber threat Haryana, Crime Investigator in CSEM CBI and NIA)

5. Access to Scholarships for Empowering Students

(i) *Academic Scholarships:*

PIET is fully committed to its institutional social responsibilities. PIET, besides being pioneers in providing quality education is proactive in uplifting the education standard by supporting the bright students through various institutional academic scholarship schemes. These scholarship schemes are designed for students who have displayed an outstanding level of academic achievement in their previous years.

(ii) *PIET QUEST Scholarship:*

PIET QUEST is a test based scholarship scheme and involves three rounds, one is held at schools and colleges where the students are studying. The second round is held in the PIET campus through which twelve toppers are selected in each category from arts/commerce (school level), science (school level), polytechnics and colleges. These toppers then go through an open stage quiz contest through which the winners are identified.

PIET QUEST 2024 Winners

PIET QUEST 2023 winners

(iii) Pratibha Samman Samaroh

PSS (Pratibha Samman Samaroh) is an initiative that motivates and encourages students who score at par in their academics at school level and at district level. This initiative of PIET not only encourages the students; but also acknowledges the contributors of educators and academic leaders in their respective field of study.

Educators and academic leaders during Pratibha Samman Samaroh 2024

Meritorious students and district toppers during Pratibha Samman Samaroh 2024

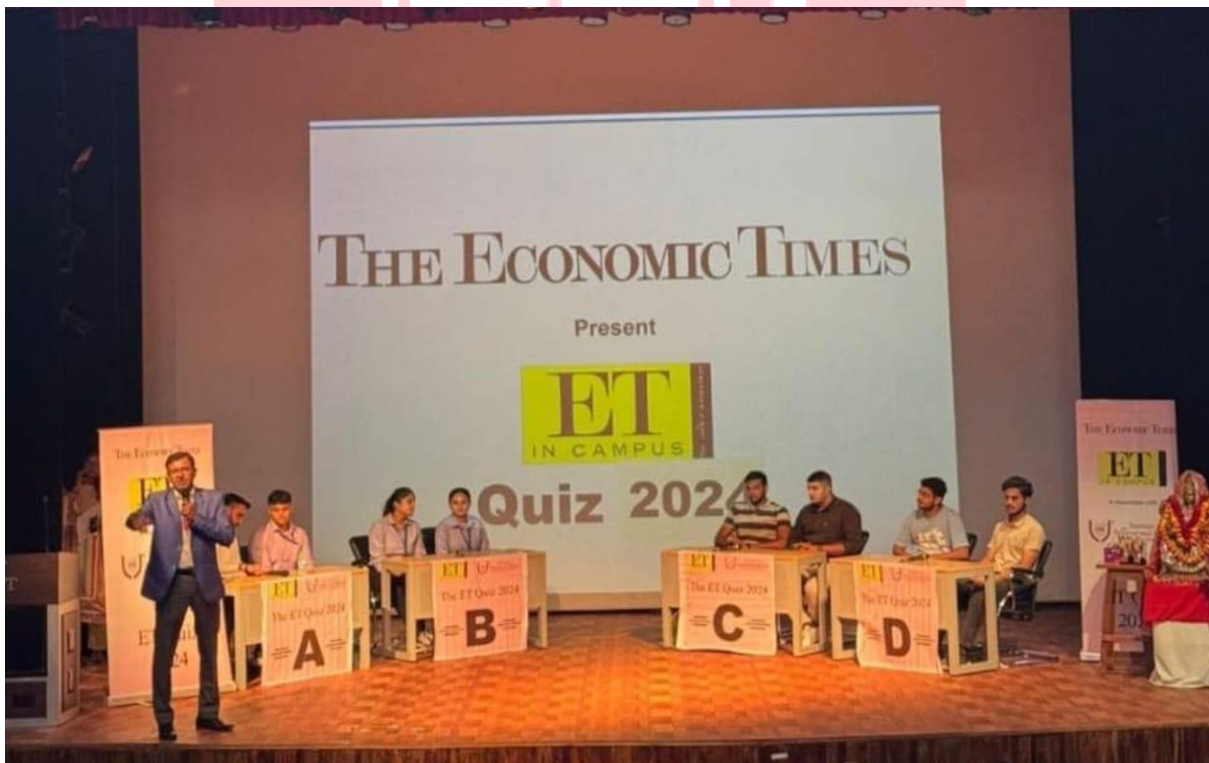6. **Collaborations To Support Learning**

    At PIET, we actively pursue national and international collaborations through strategic MOUs to enhance educational opportunities. These partnerships enable our students and faculty to access global knowledge, resources, and research, enriching their academic and professional experiences. By engaging with esteemed institutions worldwide, we foster a culture of innovation, cross-cultural exchange, and mutual learning. These collaborations help us stay at the forefront of educational advancements and provide our students with diverse global perspectives. Through these alliances, we aim to create a more interconnected and dynamic learning environment.

Research promoting initiatives

PIET has been taking research promoting initiatives that focus on advancing education directly contribute to the achievement of SDG 4, which aims to ensure inclusive, equitable, and quality education for all. By conducting research on effective teaching methods, curriculum development, educational technologies, and assessment strategies, initiatives can be developed that promote quality education for diverse learner groups. Research can identify what works best in different contexts—whether in urban or rural settings or among students with varying needs and abilities— and help tailor interventions to ensure that education is inclusive and accessible to everyone.

11

Best Paper Award Achieved by Shweta Jain of Final Year CSE AIML Batch(2020-2024) in ICCIMA-23

Economic Times Quiz under the banner of Start-up Cell PIET (2024)

- Institute Innovation Council (IIC) awarded the highest PAN-India star ratings as: 5 star (yr. 2019-2020), 4 star (2020-21), 3.5 star (2021-22) & 4 star (22-23).

Team IIC receiving Ranking certificate
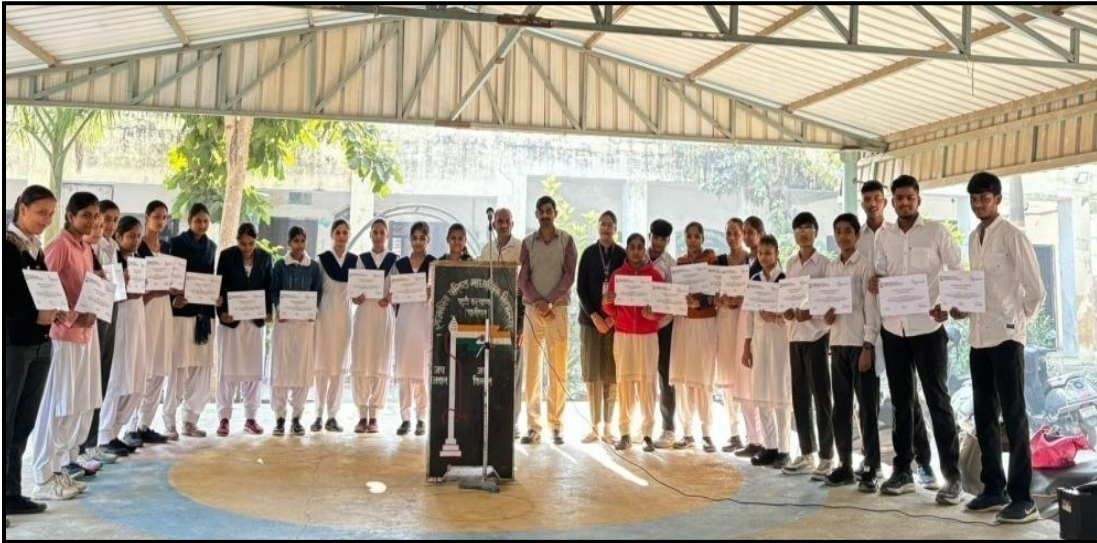
- *Smart India Hackathon*

    PIET team has excelled in the Smart India Hackathon, with wins including 2nd place in 2017, the Student Innovation Award and 1st place in 2019, two 1st positions and Rs. 2.5 lacs in 2020, 1st place and Nodal Centre status in 2022, and 1st place in the Software edition in 2024.

SIH 2024 (Hardware Edition) at PIET as Nodal Centre

7. Promoting quality education through Activity based learning and other initiatives

Implementing ABL and similar initiatives aligns with SDG 4 by making education more relevant, enjoyable, and accessible. It helps develop practical skills alongside academic knowledge, bridging gaps in underserved communities. These approaches also foster lifelong learning, instilling curiosity beyond the classroom. By combining ABL with broader reforms, we can create a more equitable and effective education system that empowers students and supports SDG 4.

PIET student empower Government School Students with Web Development and Excel Skills

- Eduleaders Conclave is another initiative of PIET that brings together educational/academic leaders at one place to mutually work upon making the education better and worthy.

Edu Leaders Conclave 2024 edition at PIET

The initiatives at PIET, such as promoting affordable and equitable education**,** fostering national and international collaborations (MOUs)**,** and offering a wide range of scholarships**,** significantly contribute to the achievement of SDG 4**,** which aims to ensure quality education for all**.**

By providing affordable education and ensuring inclusivity, PIET addresses the financial and social barriers that often prevent students from accessing quality learning. This aligns with the global goal of promoting equitable opportunities for all learners, regardless of their socio-economic backgrounds. Scholarships, whether merit-based or need-based, further enhance this mission by making higher education more accessible and motivating students to excel.

The institution's strategic vision with national and international partners play a crucial role in enhancing the quality of education by facilitating access to global knowledge, research, and best practices. These collaborations & MOUs broaden the academic experience, preparing students for an increasingly interconnected world. Moreover, exposure to diverse academic systems and cultures fosters holistic personal development, a key aspect of quality education.

Through initiatives like scholarships and specialized programs in emerging technologies such as AI, Data Science, and Cloud Technology, PIET ensures that students are equipped for future challenges. In line with National Education Policy (NEP), PIET has adopted outcome-based education and enhanced ICT facilities, offering resources like IITB tutorials, NPTEL, and Oracle certifications. The institution also emphasizes research and innovation, with 70 patents filed in the last five years and achievements in hackathons like Smart India Hackathon.

PIET's commitment extends to holistic student development through workshops, bridge classes, and student induction programs. These initiatives, along with a focus on blended learning and creativity, help ensure that education at PIET is not only accessible but also of high quality, empowering students to contribute meaningfully to society and the global community.

Overall, these initiatives empower students to realize their full potential, ensuring that education is not only accessible but also of high quality. Through these efforts, PIET helps build a future where quality education is inclusive, accessible, and transformative for all.

End of report