



**PLASTINDIA
INTERNATIONAL
UNIVERSITY**

Building Our Future Together

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Learning with Purpose

Plastindia International University Newsletter

School of Engineering
Department of Plastics & Polymer Engineering
Newsletter

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PLASTINDIA INTERNATIONAL UNIVERSITY

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A close-up photograph of a hand with light-colored nail polish reaching for a book on a wooden shelf. The hand is positioned on the right side of the frame, with fingers slightly curled as if about to grasp a book. The book being reached for has a yellow cover and a black spine with the title 'KURT VONNEGUT SLAUGHTERHOUSE 5' visible. Other books are visible on the shelf, including one with an orange spine and another with a red spine. The background is softly blurred, showing more books and the structure of the shelf.

Contents

1	Message from the President	3
2	Message from the Dean	4
3	Industry Collaborations and MoUs	5
4	Major events	7
5	Outreach activities	8
6	Students Corner	11
7	Faculty Achievements	13

Message from the President



M. P. Taparua

President,
Plastindia International University

As we close the first half of 2025, I am delighted to share a note of appreciation and optimism on behalf of Plastindia International University. These months have reaffirmed our collective belief that a university thrives when purpose, partnership, and perseverance come together.

At PIU, our purpose is clear: to develop ethically grounded engineers and professionals who can shape a sustainable, technology-enabled future. I am encouraged by the academic rigor I see in classrooms and labs, and by the curiosity with which our students approach emerging areas of learning. The dedication of our faculty—reflected in innovative pedagogy, mentorship, and research initiatives—continues to raise the bar for quality education.

Partnerships remain central to our growth. We are strengthening ties with industry and institutions to ensure that our students learn by doing and graduate “job-ready and future-ready.” Internships, live projects, expert talks, and hands-on workshops conducted over the past months have enriched learning and nurtured the problem-solving mindset that employers value.

Our campus is steadily evolving to support this mission. Upgrades to laboratories, the library, and common learning spaces are underway, along with efforts to enhance student services and co-curricular opportunities. These investments are guided by a simple principle: every facility should translate into better learning outcomes and a richer student experience.

I am particularly proud of our students’ achievements—academic distinctions, competition results, community service, and entrepreneurial initiatives. Each success story—big or small—reflects the values we cherish at PIU: integrity, diligence, and a spirit of service.

My sincere thanks to our faculty and staff for their tireless work, to parents and partners for their trust, and to our students for their energy and aspirations. Together, we are building an institution that our region and our nation can be proud of.

Message from the Dean



Dr. Kiran Patil

Dean, School of Engineering
Plastindia International University

The first half of 2025 has been a period of growth, innovation, and renewed purpose for the School of Engineering at Plastindia International University. With the collective efforts of our faculty, staff, and students, we have continued to strengthen our academic foundation and expand our frontiers in research, technology, and interdisciplinary learning.

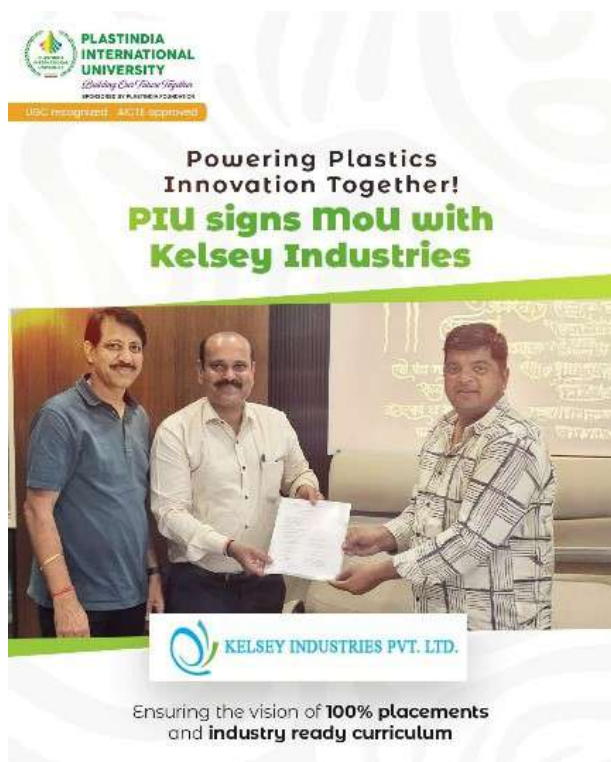
This semester marked the successful launch and consolidation of our programs in Computer Science & Engineering (focussing on AI/ML, Robotics, and Automation) and Plastics & Polymer Engineering, with a strong emphasis on experiential and project-based learning. Our laboratories, innovation spaces, and industry interactions have enabled students to connect theory with real-world applications—fostering a spirit of curiosity, creativity, and problem-solving.

We also witnessed active participation in professional society events, workshops, and student-led initiatives under the IPI Students Chapter, which has further enriched the learning environment. The collaboration with industry partners and visiting experts has added valuable perspectives on emerging technologies and sustainable engineering practices.

As we move ahead, our focus remains on nurturing competence, character, and curiosity—the three pillars that define a future-ready engineer. I take this opportunity to express my gratitude to our dedicated faculty, staff, and students for their continuous commitment, and to our leadership for their unwavering support in building an institution of excellence.

Let us continue to innovate, inspire, and impact—together shaping a sustainable and technologically empowered future.

Industry Collaborations and MoUs



PIU has actively strengthened its industry connections through multiple collaborations. On April 15, 2025, PIU signed an MoU with Kelsey Industries Pvt. Ltd. to advance research and curriculum development in reinforced polyolefins and engineering plastic compounds, enhancing students' industry readiness and employability. A landmark MoU was also signed with Kaptiva (Kapsun Resources Corporation) by Dr. Kiran Patil and Mr. Ashok Kapoor, focusing on skill development and aligning academia with industry trends.

Further, PIU joined hands with Tesla Ventures to promote sustainable practices, recycling innovations, and advanced materials research. The university also hosted representatives from the Indian Institute of Chemical Engineers (IIChE) and the Indian Institute of Materials Management (IIMM), discussing startup initiatives, skill-based training, and future collaborations. Additionally, PIU entered partnerships with VOXCO Pigments and Chemicals, The Shakti Plastic Industries, Nirantara Evoventures, and Kelsey Industries to promote innovation and ensure 100% student placements through an industry-ready curriculum.



PIU continues to stand-in scientific curiosity and community engagement by extending its laboratory facilities to young learners.



On 4th January 2024, students from Marothia School, Vapi, visited the PIU campus to conduct science experiments using the university's well-equipped chemistry laboratory. Under the guidance of Dr. Prashant Gupta and Dr. Bhuwanesh Sharma with assistance from Mrs. Kiran Damani the students were able to execute their project efficiently and with greater technical accuracy. The effort bore fruit when the Marothia School team participated in a district-level science competition and secured the first prize for their experimental project.



Major Events

"Parivartan' Webinar Series to Promote Sustainability and Innovation"

PIU successfully organized a national-level webinar series titled 'PARIVARTAN' from 24th April to 12th June 2025. Which was held virtually on the Zoom Webinar platform, Parivartan is PIU's initiative to unite thought leaders and innovators who are addressing the challenges and exploring the emerging opportunities in plastics, polymers, and sustainable technologies. A total of eight stimulating sessions were conducted, bringing together renowned speakers from both industry and academia. Each session was thoughtfully curated to educate and inspire students, researchers, and professionals from across India. The sessions were hosted by Dr. Pratibha Jadhav, Assistant Professor at PIU, who ensured smooth coordination throughout the series. In every session, Dr. Prashant Gupta, Senior assistant Professor, SOE presented the university's guiding vision and mission through a detailed presentation, reinforcing PIU's commitment to sustainability-driven education and research. With active participation from attendees across the country, Parivartan has emerged as a significant platform for knowledge exchange and awareness-building, especially around the crucial subject of plastic recycling and sustainable development. All the sessions were further uploaded on YouTube channel of PIU. Details of the all sessions are listed below in the table.

Sr. No.	Day & Date	Speaker Name	Topic
1	Thursday, 24 th April 2025	Dr. Anirudhha Chatterjee	Role of Biopolymers in Modern Life
2	Wednesday, 30 th April 2025	Dr. Prashant Gupta	Nanotech Revolution: The Magic of Polymeric Nanostructures
3	Thursday, 8 th May 2025	Dr. Samir Joshi National Chairman - Governing Council, Indian Plastics Institute	Plastic Sustainability and Recycling at cross roads where do we go from here
4	Thursday, 15 th May 2025	Mr. Harindu Vyas Governing Council Member - Indian Plastics Institute (IPI)	The Secret Life of Polymers: What Testing Reveals
5	Thursday, 22 nd May 2025	Prof. Matthias Walluch, International Product Specialist, Anton Paar, Graz, Austria	Applications of Rheology in Polymer materials
6	Thursday, 29 th May 2025	Dr. Harshavardhan Pol, Senior Principal Scientist, NCL, Pune	Responsible Upcycling of Biomedical Plastic Wastes into Value-Added Products
7	Thursday, 5 th June 2025	Prof. S. T. Mhaske, Institute of Chemical Technology-Mumbai	Opportunities and Innovations in Plastics and Polymer Engineering – The Way Forward
8	Thursday, 12 th June 2025	Mr. Rajesh Pahwa-Founder and CEO,21st Century Polymers, Delhi	India at the Crossroads: Turning Recycling into a \$5 Billion Economic Powerhouse

Outreach Activities

PIU's Active Participation in Major Exhibitions and Career Expos (Jan–Apr 2025)

PIU had an impactful presence across multiple prestigious events in early 2025, showcasing its academic excellence and strengthening industry and community engagement. Began the year by successfully participating in PLASTO 2025, held from 8th to 11th January 2025 at the Pune International Exhibition & Convention Centre (PIECC), Moshi, Pune. Representing the university with dedication, Dr. Kiran Patil and Dr. Pratibha Jadhav engaged with industry professionals, students, and stakeholders at Stall No. 348F in Hall 3, highlighting PIU's strengths and its commitment to advancing plastics and polymer education.

Continuing its outreach efforts, PIU took part in a series of career-focused exhibitions organized by Rotary Clubs across Gujarat and Daman. The journey began at the Career Fair in Gandevi on 12th and 13th April 2025, held at Shree Gandevi Taluka Anavil Mandal, where aspiring students explored various engineering pathways. Later, from 26th to 28th April 2025, PIU participated in the Career Fair in Daman at Koli Patel Samaj Hall, highlighting its B.Tech. programs, internships, scholarships, and placement prospects. On 26th and 27th April 2025, the university also exhibited at the TV9 Education Expo at the Science Centre in Surat (Stall B-9), attracting a large number of enthusiastic visitors.

PIU further strengthened its academic outreach as an esteemed exhibitor at the Smart Education Expo 2025, organized by SGCCI and SGCTIDC, held from 11th to 13th April 2025 at the Surat International Exhibition & Convention Centre (SIECC), Sarsana, Surat. Shri. Viral Vaishnav and Mr. Abhishek Dharwa represented the university to showcase its vision of “Building Our Future Together” and interacted with educators, students, and institution representatives throughout the three-day event. Additionally, PIU proudly participated in Plastshow 2025 in Rajkot, where Dr. Prashant Gupta and Mr. Praharsh Patel represented the university. The event brought together industry leaders, innovators, and well-wishers of both PIU and the Plastindia Foundation. The team highlighted PIU's specialized B.Tech. programs in Plastics and Polymer Engineering and Computer Science and Engineering, while forging meaningful connections.





PIU at Rigid Plastics Summit 2025 – Jio World Convention Centre, Mumbai

PIU participated in the Rigid Plastics Summit – Injection, Blow Moulding, PET & Recycling, held on 12th and 13th June 2025 at the Jio World Convention Centre, Mumbai. The two-day summit was to discuss advancements in plastics moulding, packaging technologies, sustainability, circularity, PET applications, and recycling initiatives.

Dr. Prashant Gupta represented PIU at the event, actively engaging with delegates from leading organizations and gaining valuable insights into the future of rigid plastics, technological innovations, and emerging trends in sustainable polymer processing.

From keynote sessions by industry leaders such as Reliance Industries, Haldia Petrochemicals, Godrej Industries, and Kotak Mahindra AMC, to focused panels on recycling, blow moulding, mobility, and packaging sustainability, the summit served as a dynamic platform for thought leadership and networking.



Students corner

Expert Talk - 1

An Expert Talk/Guest Lecture was conducted on 5th April, 2025, Saturday for 2nd semester students of B.Tech.-Plastics and Polymer Engineering program at School of Engineering, Plastindia International University (PIU), Vapi. The lecture was conducted on “Organising Events” (program, function etc.) It was delivered by Ms. Juhi Pandey, Event Manager and Freelancer, Ahmedabad. She focused her talk around skills, confidence, management, planning and execution of various kind of events to organize at college, university, corporate and public places. PIU students were benefited about learning skills of conducting events e.g. sports, cultural, family function, birthday, and wedding functions. The expert explained the tacticity for building the plans and their execution with leadership.



Expert Talk - 2

The Expert talk/Guest lecture was conducted on **3D Printing: Emerging Opportunities in Polymer Additive Manufacturing** for 2nd semester students of B.Tech.-Plastics and Polymer Engineering on 17th May, 2025, Saturday at School of Engineering, Plastindia International University (PIU), Vapi. The lecture was delivered by Mr. Sandip Patel (3D Printing Specialist), Assistant Professor at Department of Mechanical Engineering, Government Engineering College, Valsad. Mr. Patel concentrated his lecture on basic principles, mechanism, methodologies and various types of 3-D printing techniques. He explained very methodology concentrated on polymer additive manufacturing. The mechanism and basics of every 3D printing technique can be applied on designing, fabricating, processing of new kinds of polymeric objects of different shapes and dimensions. He showed the running videos of processing and manufacturing different kinds of polymeric 3-D objects. He also performed the demo practice on 3D instrument to explain better to PIU students. PIU students, Faculties and Staff members were benefited with guest lecture of 3D printing technologies, processing and methodologies for polymer additive manufacturing.



Faculty Achievements

Prof. (Dr.) Kiran Patil

Dr. Kiran Patil, Dean, School of Engineering was invited as a Judge and Panel Expert at ROFEL GRIMS' 'Battlefield of Lean' competition, fostering discussions on Lean manufacturing and process improvement. This engagement underscores PIU's dedication to sharing expertise and enriching the educational ecosystem.

Additionally, on the occasion of Earth Day 2025, Dr. Kiran Patil was invited as a guest speaker at Shree Krishna International School, Vapi, to inspire and educate students on environmental responsibility. The event, held on 22nd April 2025, marked the 55th anniversary of the global Earth Day movement. This year's theme, "Our Power, Our Planet," emphasized the urgent need to triple renewable energy capacity by 2030 to effectively combat climate change. Addressing an enthusiastic audience of around 180 students from the science and commerce streams, Dr. Patil delivered an engaging and insightful talk on the topic "Building a Better Tomorrow: Simple Steps Towards Sustainability." His session focused on practical, everyday actions that individuals can take to contribute to a more sustainable future, encouraging students to become active participants in protecting the planet.





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