



**PLASTINDIA  
INTERNATIONAL  
UNIVERSITY**

*Building Our Future Together*

SPONSORED BY PLASTINDIA FOUNDATION

In Technical Partnership with



University of  
Massachusetts  
Lowell

*Learning with Purpose*

# Plastindia International University Newsletter

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School of Engineering  
Department of Plastics & Polymer Engineering  
Newsletter

**Issue 1**  
**June - Dec 2024**



A close-up photograph of a hand with light-colored nail polish reaching for a book on a wooden shelf. The book has a yellow cover with a circular image and the title 'KURT VONNEGUT SLAUGHTERHOUSE 5'. Other books are visible on the shelf, including one with an orange spine and another with a red spine. The background is slightly blurred, showing more of the bookshelf.

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## Message from the President



### M. P. Taparua

President,  
Plastindia International University

I am pleased to welcome you to the inaugural edition of the Plastics and Polymer Engineering Department's newsletter at Plastindia International University (PIU). This publication signifies our dedication to innovation, sustainability, and academic excellence in the field of plastics and polymers.

PIU is committed to shaping the future of the plastics industry by providing world-class education and fostering a culture of research and innovation. Our mission is to develop well-trained, culturally sensitive professionals equipped to lead sustainable initiatives within the plastics and allied industries.

Plastindia International University (PIU) has received approval from the All-India Council for Technical Education (AICTE) for its B. Tech program in Plastics and Polymer Engineering, ensuring adherence to stringent educational standards. The university collaborates with esteemed industry leaders, providing students with invaluable exposure through internships, industry visits, and hands-on projects. Additionally, PIU's technical partnership with the University of Massachusetts Lowell (UML), USA, offers students access to international best practices and advancements in plastics and polymer technology.

As we embark on this exciting journey, I encourage each member of our PIU community to actively engage with the opportunities that lie ahead. Let us work together to drive innovation, promote sustainability, and uphold the highest standards of academic and professional excellence.

I look forward to witnessing the remarkable achievements that we will accomplish together.

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## Message from the Dean



### Dr. Kiran Patil

Dean, School of Engineering  
Plastindia International University

Dear Students, Faculty Members, Industry Partners, and Well-wishers,

It gives me immense pleasure to pen this message for the very first edition of our Department of Plastics and Polymer Engineering newsletter — **a fresh window into the vibrant world we are building at Plastindia International University.**

This newsletter marks a new chapter in our journey—a platform to celebrate the achievements, innovations, and aspirations of a department that stands at the forefront of shaping sustainable solutions in the field of polymers and materials science. At a time when the world is actively rethinking its relationship with plastics and striving toward circular economies, our department has a vital role to play in driving responsible innovation and fostering future-ready professionals.

With this platform, we hope to celebrate the achievements of our students and faculty, showcase groundbreaking projects and partnerships, and invite you — our stakeholders, and industry partners — to be part of our journey. I commend Dr. Pratibha Jadhav and the Editorial Team for successfully creating the first issue of the newsletter

Let this be the beginning of a tradition that connects, informs, and inspires.

Here's to new beginnings, enduring collaborations, and a future engineered with purpose!

## Message from the CAO and I/C Registrar



### Shri Viral Vaishnav

CAO, I/C Registrar, Member  
Plastindia International University

It is truly a matter of joy as Plastindia International University (PIU) initiates this newsletter. These kind of initiative helps to showcase the curricular, extra-curricular and co-curricular activities undertaken by the University. This newsletter will truly act as a barometer of activities at the University and will give an impression of a thriving place of dissemination of knowledge.

I congratulate Dr. Pratibha Jadhav and the Editorial Team for giving shape to this newsletter. I am sure this newsletter will help all the stakeholders to reflect upon the activities and initiatives undertaken at the University.

I extend my full support to this and all such initiatives undertaken by Faculty, Staff and Students of this University.

Plastindia International University Opens its Doors to the Future!

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## Faculty Profiles

### Faces Behind the Excellence



**Dr Kiran Patil,**

Dean,  
School of Engineering, PIU



**Dr Aniruddha Chatterjee,**

Associate Professor,  
Department of Plastics and  
Polymer Engineering, PIU



**Dr Prashant Gupta,**

Sr. Assistant Professor,  
Department of Plastics and  
Polymer Engineering, PIU



**Dr Bhuvnesh Kumar,**

Assistant Professor,  
Department of Chemistry, PIU



**Dr Pratibha Jadhav,**

Assistant Professor,  
Department of Physics, PIU



**Dr Praharsh Patel,**

Assistant Professor (Mathematics),  
School of Engineering, PIU

## Admin Staff

1. **Ms. Kiran Sunil Damani** - Marketing And Outreach Executive
2. **Mrs. Preeti Ahir** - Trainee Office Assistant
3. **Mr. AsifAli Sayed** - Liaison Officer
4. **Mr. Ajay Patel** - Site Engineer
5. **Mr. Birendra Yadav** - Technical Assistant
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## Major Events

### Inauguration Ceremony of PIU



On September 5th 2024, Plastindia International University (PIU), Vapi, welcomed its first-ever batch of B.Tech. Plastics and Polymer Engineering students at the School of Engineering. This significant occasion marked the beginning of an exciting academic journey, shaping the next generation of innovators and industry leaders in the field of plastics and polymers. The event was graced by distinguished guests from the polymer industry and key dignitaries from our parent body, Plastindia Foundation, whose presence and insights inspired both students and faculty alike.

Their valuable support and motivation paved the way for a future full of innovative technology, eco-friendly solutions, and practical uses in everyday life. The grand inaugural ceremony commenced with a traditional Kalash and Ganpati Puja, accompanied by the chanting of Vedic Shlokas, setting a spiritual and auspicious tone for the journey ahead. Following this, distinguished dignitaries, including Shri Ravish Kamath, President of Plastindia Foundation, and Shri M.P. Taparia, President of PIU, addressed the students, highlighting the university's commitment to excellence and industry-oriented education. A felicitation ceremony was conducted, acknowledging the esteemed guests, followed by a vote of thanks by Shri Viral Vaishnav.

## PIU Hosts a Landmark Press Conference in Vapi



PIU proudly hosted a press conference on 30th, July 2024, at 10:30 AM at Fortune Galaxy, Vapi. Press conference was planned to unveil university vision mission, and pioneering initiatives in the field of polymer engineering and sustainability.

Addressing the audience, Dr. Rajubhai Desai, Vice President of PIU, highlighted the university's firm commitment to excellence in education, innovation, and industry collaboration. As India's first university exclusively dedicated to Polymer Engineering and Sustainability, PIU is setting a new benchmark in specialized education.



The press conference spotlighted PIU's international collaboration with UMass Lowell, USA, a globally recognized leader in plastics education since 1954. This partnership ensures that PIU students receive world-class exposure, cutting-edge curriculum, and research-driven learning experiences, equipping them with future-ready skills.

In a bold and student-centric move, PIU guarantees 100% job assurance from Day 1, reinforcing its commitment to career-driven education. Furthermore, meritorious students have the opportunity to avail scholarships of up to 100%, making high-quality education more accessible and inclusive. Accreditation from UGC and AICTE further solidifies PIU's standing as a premier institution offering recognized degrees with global credibility. With an innovative approach and a clear vision, PIU is set to redefine Plastics and polymer engineering education in India, fostering a new generation of industry leaders and sustainability champions.



## Welcoming the First Batch of B. Tech Plastics and Polymer Engineering at PIU!



The induction program, spanning from 5th to 13th September, was thoughtfully designed to introduce students to the university's culture, academic rigor, and the promising career paths in the polymer industry. Cherry on the cake is the team of 16 young, enthusiastic, bubbling students, eager to learn every aspect of academic as well as industrial activities. As part of the induction program, students were taken on a campus tour to familiarize themselves with the state-of-the-art infrastructure, well-equipped laboratories, and learning facilities. Sessions on academic regulations, anti-ragging policies, and grievance redressal mechanisms were conducted to ensure students had a comprehensive understanding of their rights and responsibilities. Dr. Prashant Gupta, Dr. Pratibha Jadhav, and Dr. Aniruddha Chatterjee.

Special lectures were delivered by eminent industry professionals, including Shri M.M. Sabri, Head of Operations at Autotech Sirmax, and Dr. Kedar Shukla, Director of MBA at Rajju Shroff ROFEL University, Vapi, providing valuable insights into polymer compounding techniques and career pathways in the polymer industry. Physical fitness and wellness were also key highlights of the induction program, with sessions on yoga, mental health, stress management, and general well-being, conducted by experts Dr. Sanjay Patel and Dr. Aditi Nadkarni. Furthermore, industry exposure was an integral part of the program, with visits to leading polymer industries such as Tipco Industries Pvt. Ltd. in Valsad and Jyoti Plastics Works Pvt. Ltd. in Pardi, offering students a firsthand look into real-world applications and advancements in the field.

The program culminated with an Indian Knowledge System (IKS) session, a quiz competition, and a cultural trip to Moti Daman Fort and Jampore Beach, fostering a sense of camaraderie and enthusiasm among the students. With an unwavering commitment to technological advancements and sustainable practices in plastics and polymer engineering, PIU has embarked on an exciting journey with its pioneering batch of students. The induction program set a strong foundation, equipping students with knowledge, ethics, and industry exposure, ensuring they step confidently into the world of polymer science and engineering.

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## PIU Strengthens Industry-Academia Collaborations to Shape Future Plastics Engineers

Plastindia International University (PIU) continues to bridge the gap between academia and industry through strategic collaborations with leading companies in the plastics and polymer sector. Our partnerships with Jyoti Plastics Works Pvt. Ltd., Skyi Composites Pvt. Ltd., Rajoo Engineers Limited, and Supreme Industries Limited enrich academic programs by integrating real-world expertise into our curriculum. These partnerships were aimed to give students practical experience, a chance to work with the latest manufacturing technologies, and a better understanding of how the industry works.



Through MOU with Rajoo Engineers Limited, students gain valuable knowledge in plastic extrusion and thermoforming machinery, ensuring they are well-equipped for industry demands. Our partnership with Supreme Industries Limited grants access to state-of-the-art plastic processing machinery, further enhancing practical learning experiences. Similarly, our collaboration with Skyi Composites Pvt. Ltd. brings expertise in advanced composite solutions, and Jyoti Plastics Works Pvt. Ltd. strengthens our focus on plastic product manufacturing and solutions.

Additionally, PIU actively explores innovative and sustainable advancements in plastics. The development of eco-bricks, a revolutionary concept in plastic waste management and refugee housing solutions, highlights how plastics can contribute to sustainability. A collaborative effort between a leading refugee relief organization and an engineering firm in Ethiopia and Kenya, eco-bricks showcase the potential of repurposed plastic in building sturdy, eco-friendly shelters. By bringing together strong academic learning and real-world industry knowledge, PIU makes sure its graduates are well-prepared, creative, and ready to lead the future of plastics and polymer engineering.

## An insightful visit of local students at PIU campus!



On 8th October 2024, the students of R. S. Jhunjhunwala school, Vapi had the opportunity to visit the renowned Plastindia International University (PIU) Campus in Vapi. This educational excursion allowed them to explore advanced laboratories and gain first-hand exposure to cutting-edge developments in science and technology. The visit was organized to inspire young minds by showcasing real-world applications of their studies and introducing them to career possibilities in various scientific fields.

The session began with an introductory lecture by Dr. Prashant Gupta, where he provided insights into the university's vision, academic programs, and the myths and facts surrounding plastics. His engaging talk helped students develop a deeper understanding of the significance of plastics in modern industries and their sustainable applications.



Following this, the students proceeded to explore PIU's Basic Science Labs, beginning with the Physics and Chemistry lab, where Dr. Pratibha Jadhav and Dr. Bhuwanesh Sharma guided them through various experimental setups and high-precision instruments. The demonstrations made complex scientific principles accessible, helping students grasp the foundational concepts behind the apparatus and experiments.

This interactive visit proved to be an enriching experience, offering students a glimpse into advanced scientific research and encouraging them to consider future opportunities in Plastics and Polymer Engineering.





## Expert Talk at PIU

PIU successfully organized an expert talk on "Importance of Marketing and Intellectual Property Rights (IPR)" on 21st September 2024. The session was conducted by Mr. Tejas Mehta, a seasoned professional with vast experience in strategic marketing and intellectual property management. Mr. Tejas Mehta highlighted the growing significance of these two areas, especially for students, startups, and businesses in the plastics and polymer sectors. He also shed light on the fundamentals of Intellectual Property Rights, including patents, trademarks, and copyrights, and explained their importance in protecting innovative ideas and fostering entrepreneurship.

Mr. Mehta explained how marketing helps create value by positioning a product in the minds of customers and building trust and recognition. He also discussed how IPR, including patents, trademarks, and copyrights, protects innovations and gives creators the exclusive rights to benefit from their work. The interactive session concluded with a Q&A round where students engaged enthusiastically with the speaker.

PIU continues to organize such informative sessions, ensuring holistic learning and skill development for students.





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## Outreach Activities

### PIU hosted a seminar at around 20 schools

Throughout November and December 2024, a series of impactful seminars were conducted by PIU, across multiple schools in Vapi, Silvassa, Umargam, Valsad, and Chhiri, aimed at inspiring students and equipping them with essential academic and career guidance in Plastics and polymer Engineering.



These sessions were conducted by PIU faculty members, including Dr. Prashant Gupta, Dr. Aniruddha Chatterjee with valuable assistance from Dr. Pratibha Jadhav, Ms. Kiran Damani, and Mr. Praharsh Patel. Who shared their extensive knowledge and expertise with students from the 10th, 11th, and 12th Science streams. Covering a wide range of topics related to educational pathways, career opportunities in Plastics, and Polymer Engineering, these seminars encouraged critical thinking and active participation. Students had the opportunity to engage in interactive discussions, ask insightful questions, and gain clarity on their future prospects.



The events not only provided academic motivation but also instilled confidence in students, empowering them to make informed decisions about their careers. With attendance ranging from small, focused groups to larger audiences exceeding 100 students, the seminars ensured that valuable knowledge reached a diverse student base. The collaborative efforts of the speakers fostered an enriching learning environment, leaving a lasting positive impact on the students by broadening their horizons and reinforcing the importance of education and continuous learning in achieving their goals.



Sr. No.	Date	School Name	Faculty Name
1	18th Nov 2024	Our Lady of Help School	Dr. Anirudha Chatterjee, Mr. Praharsh Patel
2	19th Nov 2024	Jyoti Dham School	Dr. Prashant Gupta
3	19th Nov 2024	Marothia English Medium School	Dr. Prashant Gupta
4	22nd Nov 2024	Gyan Ganga School, Chhiri	Dr. Prashant Gupta, Dr. Pratibha Jadhav
5	22nd Nov 2024	Sanskar Bharti School, Vapi	Dr. Prashant Gupta, Dr. Pratibha Jadhav
6	28th Nov 2024	Vedaant Multipurpose School, Valsad	Dr. Anirudha Chatterjee, Ms. Kiran Damani
7	29th Nov 2024	S.S.V Gyan Kendra, Umargam	Dr. Prashant Gupta, Ms. Kiran Damani
8	3rd Dec 2024	Shree Jain Yuvak Mandal English Medium School	Dr. Aniruddha Chatterjee, Ms. Kiran Damani
9	13th Dec 2024	Govt. High School - Gujarati Medium, Silvassa	Dr. Prashant Gupta, Mr. Praharsh Patel
10	19th Dec 2024	Bharti Academy & Jr. Colleges, Umargam	Dr. Prashant Gupta
11	30th Dec 2024	Govt. School - English Medium, Silvassa	Dr. Prashant Gupta

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## Insightful seminars at Diploma Collages by, Dr. Kiran Patil, Dean, School of Engineering, PIU

Insightful seminars were conducted at Government Polytechnic institutions in Miraj and Nashik, aimed at guiding diploma students toward academic excellence and professional success. These sessions were conducted by Dr. Kiran Patil, with valuable assistance from Dr. Pratibha Jadhav, and saw enthusiastic participation from students in their 2nd and 3rd years. The seminars focused on various educational and career-related topics, providing students with crucial insights into their future pathways.



Dr. Kiran Patil's engaging and interactive approach nurtured an active learning environment, encouraging students to actively participate and seek clarity on their academic and career aspirations. The sessions not only enhanced students' understanding of educational and professional opportunities but also introduced them to relevant course details and university prospects. These seminars left a lasting impact, equipping students with the knowledge and motivation to excel in their academic and professional journeys.





## PIU, Participates in Career Fairs to Guide Students on Plastics and Polymer Engineering

In addition to outreach, (PIU) actively participated in two career fairs to guide students on higher education opportunities, particularly in the field of plastics and polymer engineering. The first event took place at Vapi Public School on 25th October 2024, where PIU was represented by Shri Viral Vaishnav, Dr. Pratibha Jadhav, and Mr. Praharsh Patel.



The second career fair was held at Shree Krishna International School on 6th December 2024, with Dr. Pratibha Jadhav and Ms. Kiran Damani representing the university. These fairs provided a platform for students to explore academic and career prospects in plastics and polymer engineering, addressing their queries about PIU's specialized courses and industry-driven programs.

The Shree Krishna International School event, in particular, saw participation from representatives of 10 universities across Gujarat, Maharashtra, and Punjab, fostering a dynamic exchange of information. With over 100 visitors engaging with PIU's team, the fairs proved to be highly beneficial, strengthening the university's outreach and leaving a lasting impression on aspiring students.





## Plastindia International University's Active Presence at Prestigious Exhibitions

PIU has actively participated in several esteemed exhibitions and conclave, strengthening its commitment to innovation, sustainability, and industry collaboration. At the Global Conclave on Plastic Recycling and Sustainability (GCPRS) in Pragati Maidan, Delhi, PIU joined industry leaders and policymakers in crucial discussions on plastic waste management, government initiatives, and emerging recycling technologies. The event underscored PIU's role in development a circular economy and driving sustainable advancements in the plastics sector.



PIU also made a strong impact at Plexoconnect 2024 (June 7-9, Bombay Exhibition Center, Mumbai), Smart Education Expo 2024 (May 17-19, Surat), and TV9 Gujarati Education Expo 2024 held across Surat, Ahmedabad, and Vadodara.



These platforms allowed PIU to showcase its front-line academic programs, including B.Tech. in Plastic and Polymer Engineering and B.Tech. in Computer Science and Engineering, designed to shape the future of plastics and sustainability. The university's vision was widely recognized, with Vadodara's Mayor, Smt. Pinkyben Soni, appreciating PIU's efforts in fostering industry-ready professionals.

Through these engagements, PIU continues to bridge the gap between academia and industry, ensuring students receive hands-on exposure to the latest advancements in automation, processing, and sustainability. The university remains dedicated to nurturing the next generation of professionals who will drive innovation and create a sustainable future for the plastics industry.

## Industry Visits: Bridging the Gap Between Academics and Industry at PIU

As part of our commitment to industry-integrated education, our first-year B. Tech Plastics and Polymer Engineering students had the opportunity to visit VOXCO Pigments and Chemicals Pvt. Ltd., On October 5, 2024, offering them practical exposure to real-world manufacturing and material processing. Where they gain knowledge about pigments, plastics, and polymer chemistry. The visit provided learning about pigment processing, formulation techniques, and their crucial role in polymer applications. Students engaged with industry experts, discussing advanced chemical formulations, color stability, and diverse applications of pigments in coatings, plastics and inks.



Further enhancing their industry learning, PIU students visited Neelkamal Limited, Silvassa, on December 21, 2024. The visit provided a deep dive into plastic manufacturing, moulding techniques, and industrial-scale polymer processing. The students gained firsthand exposure to quality control measures, sustainable plastic production, and the latest innovations in polymer technology, enriching their academic knowledge with real-world applications.





## Students Corner

### PIU Students Shine at Technovate for India Ideathon



The Technovate for India event, presented by the Talrop team in collaboration with The Times of India, aimed to inspire and cultivate entrepreneurial thinking among the students. The event provided students with real-world problem statements, challenging them to develop innovative business solutions using technology. Four students including PS Sahil, Monish L Yadav, Sejal Patil, and Palak Ahir (FY B. Tech - PPE)

PIU actively participated in the Ideathon, demonstrating their creativity and problem-solving abilities. The event was held on 22nd January 2025 at Mirasol Resort, Devka Beach Road, Daman, and saw enthusiastic participation from students. Their engagement in the event showcased their passion for technological innovation and entrepreneurship. As a token of appreciation, all participants were awarded certificates of participation, recognizing their efforts and contributions to this enriching experience.



## Garba Nights and Festive Lights: PIU's Navratri Celebration



The Garba Evening on 9th October 2024 marked a historic first celebration for Plastindia International University, bringing together students, faculty, and staff for a night filled with tradition, music, and celebration. The event commenced with a holy pooja ceremony, setting a spiritual and auspicious tone for the festivities.

Following the pooja, the celebration turned into a vibrant Garba evening from 6:30 PM to 8:00 PM. The event was successfully coordinated and overseen by Dr. Bhuwanesh Sharma and Dr. Pratibha Jadhav, Mrs. Kiran Damani, Mrs. Preeti Ahir and students from event club whose support played a crucial role in its execution.

Following the energetic Garba performances, the celebration continued with a delightful dinner, where attendees relished a mouthwatering spread of traditional delicacies, making the evening even more memorable. More than just a dance event, this inaugural Garba Night was a testament to the rich cultural heritage of our university, fostering unity, joy, and a sense of belonging among all participants. The excitement and enthusiasm displayed by everyone left no doubt that this was just the beginning of many more grand celebrations to come at Plastindia International University.





## Faculty Achievements

### 1. Dr. Prashant Gupta



PIU, Vapi, proudly shares that Dr. Prashant Gupta was invited as an expert speaker for the 10-Day Technical Session on "Plastics Products Manufacturing & Quality Control" organized by CIPET Aurangabad from June 18 to 28, 2024. Dr. Gupta delivered three impactful sessions, contributing valuable insights and expertise to the technical training program including Introduction to Plastics and Their Applications (June 20, 2024), Plastic Raw Materials and Additives (June 21, 2024), Vegetative/Food Waste Derived Biodegradable Packaging Films (June 25, 2024). Dr. Gupta expressed his gratitude to CIPET Aurangabad for the opportunity and acknowledged the continued support from the School of Engineering, Plastindia International University. He highlighted PIU's commitment to promoting innovation and sustainable practices in plastics and polymer engineering.



In addition to his contributions at CIPET, Dr. Gupta was also invited to conduct two exclusive industry training programs for a private company (name withheld due to non-disclosure agreements) held on July 19–20, 2024 and August 9–10, 2024. These sessions reflect the growing demand for his expertise in bridging academic knowledge with industrial application.

## Glimpse





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## PLASTINDIA INTERNATIONAL UNIVERSITY

Dungra Colony Road, Dungra GIDC, Vapi, Gujarat, INDIA - 396193

**Call:** +91 90167 84705, +91 90167 60979

**Email:** [admissions@plastindia.edu.in](mailto:admissions@plastindia.edu.in), [info@plastindia.edu.in](mailto:info@plastindia.edu.in)

**Website:** [www.plastindia.edu.in](http://www.plastindia.edu.in)

