



TECHVRUTAM



OCTOBER 2025

28TH ISSUE

SPECIAL HIGHLIGHT

Engineer's Day

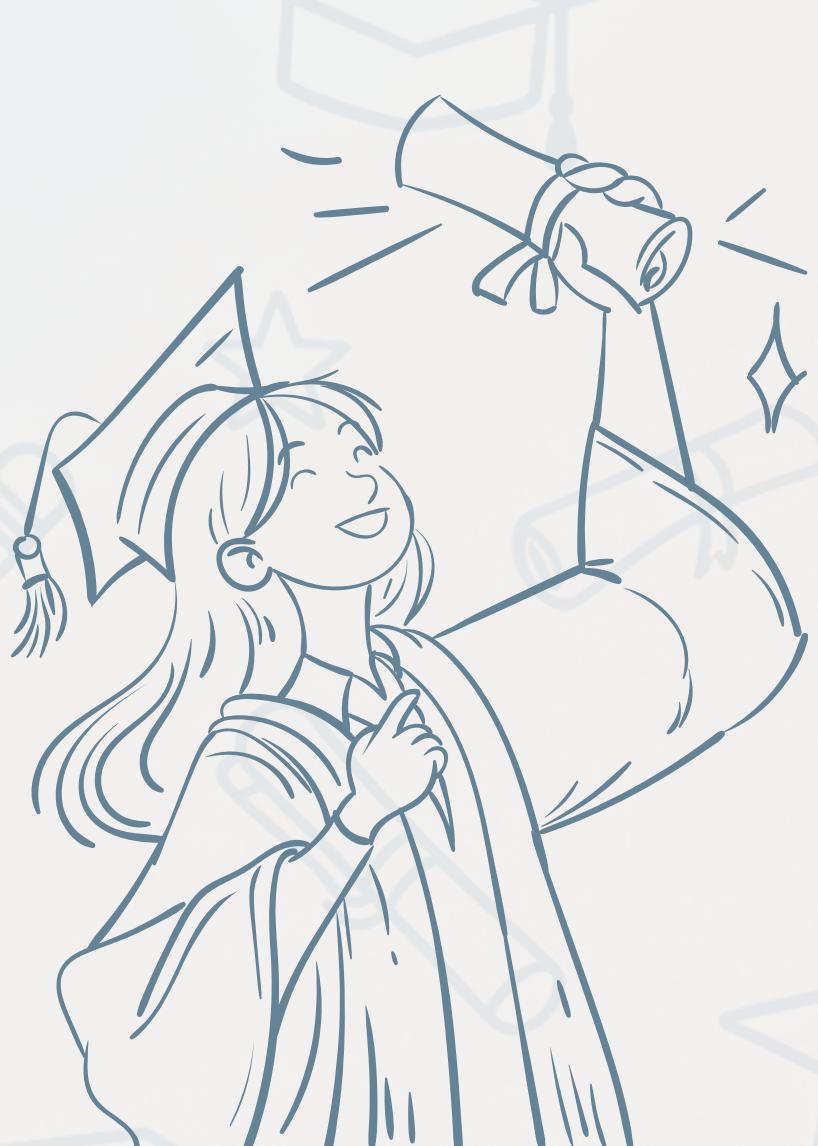


Table Of Content

1.	Events of Academic Excellence	3
2.	Janmashtami Celebration	11
3.	Ganesh Chaturthi Celebration	13
4.	Teacher's Day Celebration	15
5.	Industry-Academia Meet	17
6.	Engineer's Day'25	21
7.	Faculty Participation	27
8.	Research Erudite	35
9	Faculty Achievement	41
10.	Student Thinks	44
11.	Faculty Thinks	50



EVENTS OF ACADEMIC EXCELLENCE





School of Engineering, Chemical Engineering Department conducted an expert talk on the topic "**Innovation and Opportunity in Chemical Engineering**." to provide students with in-depth knowledge of Basic subjects and various opportunities in the field of chemical engineering. The session covered practical insights, technical concepts and information about GATE Exam on September 13,2025 during 12:30 pm to 1:30 pm. Session was delivered by eminent experts Dr. Nilesh Dumore, Head & Assistant Professor SNPIT. **Ms. Aarti Sonawane**, Assistant Professor, Chemical Engineering Department, School of Engineering, P P Savani University was the moderator under the mentorship of Dr. Niraj Shah, Dean & Director, School of Engineering, P P Savani University.

School of Engineering, Institute of computer Application Department conducted an online expert talk on the topic "**Understanding the Role of Software Engineer and SDLC and Agile,Testing.**" to provide students with in-depth knowledge of the (SDLC), Agile methodology, and Testing concepts on August 02,2025 during 2:30 pm to 3:30 pm. Session was delivered by eminent experts Mr. Rashmin M Maru, Technical leader at Demo. **Ms. Hemangini Mehta**, Assistant Professor, Computer Engineering Department, School of Engineering, P P Savani University was the moderator under the mentorship of Dr. Niraj Shah, Dean & Director, School of Engineering, P P Savani University.





Mr. Ankur N. Shah of Computer Engineering Department, School of Engineering at P P Savani University was invited as an expert to evaluate M.Tech. 3rd Semester IT students in Dissertation Mock Review – I on 1st August 2025 (Friday) from 12:15 PM onwards. The presentation was conducted offline at Parul University, Vadodara Campus in the IT Department, PIET.

School of Engineering, Civil Engineering Department conducted an expert talk on the topic **“Use of Geosynthetics in Highway Construction”** on 8th August, 2025 during 10:30 am to 12:00 pm. Session was delivered by eminent experts **Prof. Sadanand Sahu**, Assistant Professor and Head, Civil Engineering Department, Institute of Technology and Research, Mehsana. **Ms. Subhrata Biswal**, **Mr. Keval Jariwala**, **Ms. Nafisa Shaikh**, Assistant Professor, Civil Engineering Department, School of Engineering, P P Savani University were the coordinators under the mentorship of Dr. Niraj Shah, Dean of School of Engineering, P P Savani University.

School of Engineering, Civil Engineering Department conducted an Online expert talk on the topic **“AIML Applications in improving Streamflow & Flood Prediction”** on 29th March 29, during 10:30 am to 12:00 pm. The session was delivered by eminent experts **Mr. Nikunj Mangukiya** PhD Scholar, Department of Hydrology, IIT Roorkee. **Mr. Keval Jariwala**, Assistant Professor, Civil Engineering Department, School of Engineering, P P Savani University was the coordinator under the mentorship of Dr. Niraj Shah, Dean & Director, School of Engineering, P P Savani University.

School of Engineering, Civil Engineering Department conducted an expert talk on the topic **“Modern tools in Water Resources Engineering GIS, Remote Sensing and AIML”** on August 08, 2025 during 02:30 pm to 03:30 pm. The session was delivered by eminent experts **Dr. Vijendra Kumar**, Assistant Professor, NICMAR University. **Mr. Paresh Mistry**, **Ms. Subhrata Biswal**, **Ms. Nafisa Shaikh**, Assistant Professor, Civil Engineering Department, School of Engineering, P P Savani University was the coordinator under the mentorship of Dr. Niraj Shah, Dean of School of Engineering, P P Savani University.





School of Engineering, Civil Engineering Department conducted an expert talk on the topic Expert talk From “**Theory to Practice Slope Stability modelling Plaxis and GeoStudio**” on September 26 ,2025 during 11:30 am to 01:00 pm. The session was delivered by eminent experts **Dr. Rohan Deshmukh**, Sr. Geotechnical Consultant, Bentley System India **Mr. Keval Jariwala**, **Ms. Nafisa Shaikh**, Assistant Professor, Civil Engineering Department, School of Engineering, P P Savani University was the coordinator under the mentorship of **Dr. Niraj Shah**, Dean of School of Engineering..

School of Engineering, Civil Engineering Department conducted a 2 Days workshop on the topic “**Application oriented training on Total Station and DGPS**” on August August 4& 5 2025 during 10:00 am to 03:00 pm. The session was delivered by eminent experts **Mr. Kalpesh Sudani**, Town Planner and GIS Expert. TRIO Consultants, Surat **Ms. Isha Patel**, **Ms. Subhrata Biswal**, Assistant Professor **Mr. Siddharth Shah** Academic Coordinator, Civil Engineering Department, School of Engineering, P P Savani University was the coordinators under the mentorship of **Dr. Niraj Shah**, Dean of School of Engineering..

School of Engineering, Civil Engineering Department conducted an Alumni talk on the topic “**Alumni Talk on Students to Achievers: A Success story of PPSUIT**” on 27th September ,2025 during 10:00 am to 11:30 am. The session was delivered by Alumni **Mr.Yaxesh Kaviwala**, Work Assistant Class-3, Sardar Sarovar Narmada Nigam Ltd. **Mr. Paresh Mistry Ms. Subhrata Biswal**, Assistant Professor, **Mr. Siddharth Shah**, Academic Coordinator, Civil Engineering Department, School of Engineering, P P Savani University were the coordinator under the mentorship of **Dr. Niraj Shah**, Dean & Director, School of Engineering, P P Savani University.

School of Engineering, Civil Engineering Department conducted an Online expert talk on the topic “**Rainfall variability & drought Assessment**” on 7th August ,2025 during 02:30 pm to 03:30 pm. Session was delivered by eminent experts **Dr. Priyank J Sharma**, Assistant Professor, IIT Indore. **Mr. Keval Jariwala**, **Ms. Isha Patel**, Assistant Professor, **Mr. Siddharth Shah**, Academic coordinator, Civil Engineering Department, School of Engineering, P P Savani University were the coordinator under the mentorship of **Dr. Niraj Shah**, Dean & Director, School of Engineering, P P Savani University.





School of Engineering, Mechanical Engineering Department conducted an expert talk on the topic **“Industrial Engineering Tools for Plant Optimization”** on September 18, 2025 during 10:00 am to 01:00 pm. The session was delivered by eminent experts **Dr. Ritesh Upadhyay**, Manager, Spoton Coating Pvt. Ltd. **Dr. Ranjit Kumar Dehury**, Assistant Professor, Mechanical Engineering Department and **Dr. Vinit Gupta**, Associate Professor, Mechanical Engineering Department, School of Engineering, P P Savani University were the moderator under the mentorship of Dr. Niraj Shah, Dean & Director, School of Engineering, P P Savani University.

School of Engineering, ML & AI Department conducted an expert talk on the topic **“Agile Development”** on September 30, 2025 during 11:00 am to 01:30 pm via online mode (Google meet). Session was delivered by eminent experts **Ms. Ekta Shah**, Founder, TechNishal, Ahmedabad. **Ms. Zarana Gajjar**, Assistant Professor, Computer Engineering Department, School of Engineering, P P Savani University & **Ms. Priyanka Vashi**, Assistant Professor, Computer Engineering Department, School of Engineering, P P Savani University coordinated this expert talk under the mentorship of **Mr. Ravirajsinh Chauhan**, Academic Coordinator, ML & AI Department, School of Engineering, P P Savani University.

School of Engineering, Women Development Cell organized an awareness on **“Menstrual and Environmental Hygiene workshop”** on September 02, 2025. Event Coordinators were **Ms. Prakruti Dave**, **Ms. Anjali Nizama** and **Ms. Akansha Saini**. This event was addressed by Ms. Ashwini Patil, Professor, School of Nursing & Dr. Chetana Kabariya, M. S. (Gynecologist), Devki Women's Hospital - Kamrej, Surat.





An expert talk on “**Understanding the Role of Software Engineer and SDLC and Agile, Testing**” was organized online on August 02,2025 from 02:30 pm to 03:30 pm for BSc IT and BCA Semester 5 students, with Mr. Rashmin M. Maru, Technical Leader at Demo Tech, as the resource person. The session was attended by 150 students, focused on SDLC phases, Agile methodology, and Testing concepts, providing practical insights and industry practices. Students gained clarity on Agile vs. traditional models, understood testing strategies, and enhanced their readiness for internships and placements through real-world examples and expert guidance. **Ms.Hemangni Mehta** coordinated the talk under the mentorship of Dr. Niraj Shah Dean of School of Engineering

School of Engineering, Mechanical Engineering Department conducted an online expert talk on the topic “**Harnessing the Sun- A Scientific Overview of Solar Energy Conversion and Applications**” on September 26, 2025 during 11:00 am to 01:00 p.m. Session was delivered by eminent expert Dr. Anshu Agarwal, Head, New Product Development, AKVO – Atmospheric Water Systems Pvt.Ltd, Kolkata. **Dr. Rahul Kumar**, Assistant Professor, Mechanical Engineering Department and **Mr. Abhinav Kashyap**, Mechanical Engineering Department, School of Engineering, P P Savani University were the moderators under the mentorship of Dr. Niraj Shah, Dean & Director, School of Engineering, P P Savani University.





Institute of Computer Application Department, School of Engineering, conducted a Hands On Workshop on the topic **“Cloud, Security & Devops Skills for Tomorrow’s Workforce”** on September 27, 2025 during 10:00 am to 03:30 pm. Session was delivered by eminent experts Mr. Vihang Joshi, Associate Team Leader, Cloud Operations, & Mr. Jigneshvray Vasava, Associate DevOps Engineer, Cloud Operations from Yanolja Cloud Solution, formerly Ezee, Surat. **Ms. Tasneem Kagzi**, Assistant Professor & **Ms. Hemangni Mehta** Computer Engineering/IT Department, School of Engineering, P P Savani University were the Coordinator & Co-Coordinator respectively under the mentorship of Dr. Niraj Shah, Dean & Director, School of Engineering, P P Savani University.





School of Engineering, Chemical Engineering Department conducted an expert talk on the topic **“Role of Engineers in sustainable development”** on August 28,2025 during 02:00 pm to 03:15 pm. Session was delivered by eminent experts Dr. Suhas Dashrathrao Doke, Assistant professor, Gharda Institute of Technology, Ratnagiri, Maharashtra. **Mr.Santosh Kumar Barik**, Assistant Professor, Chemical Engineering Department, School of Engineering, P P Savani University was the moderator under the mentorship of Dr. Niraj Shah, Dean of, School of Engineering, P P Savani University.



School of Engineering, Chemical Engineering Department conducted an expert talk on the topic **“Role of Engineers in sustainable development”** on August 28,2025 during 02:00 pm to 03:15 pm. Session was delivered by eminent experts Dr. Suhas Dashrathrao Doke, Assistant professor, Gharda Institute of Technology, Ratnagiri, Maharashtra. **Mr.Santosh Kumar Barik**, Assistant Professor, Chemical Engineering Department, School of Engineering, P P Savani University was the moderator under the mentorship of Dr. Niraj Shah, Dean of, School of Engineering, P P Savani University.



JANMASHTAMI CELEBRATION





The auspicious festival of Janmashtami was celebrated with great enthusiasm at PPSU (School of Engineering), showcasing the cultural richness of India and spreading the message of devotion, unity, and celebration. Various activities and competitions were organized for students to highlight their talents and creativity, where SOE secured the Runner-up position in the Interdepartmental Competition for Group Dance and proudly emerged as the Winner in the Vrindavan Walk (Fashion/Traditional Dress – Krishna/Radha) event.



GANESH CHATURTHI CELEBRATION





P P Savani University celebrated Ganesh Chaturthi with great devotion and enthusiasm. As part of the celebration, the School of Engineering (SOE) organized a special Ganesh Aarti on 2nd September 2025, where more than 3000 students, faculty members, and staff participated with great zeal. The event was graced by the presence of Dr. Niraj Shah, who joined the gathering for the aarti. The celebration brought together the university community, reflecting unity, spirituality, and cultural harmony.



TEACHER'S DAY CELEBRATION





P P Savani University celebrated **Teachers' Day** on 5th September 2025 with great enthusiasm. On this occasion, **SOE** students played the role of faculty members and conducted classes, making the day special and memorable. Various fun activities were arranged for the teachers throughout the day, creating a joyful atmosphere. Faculty members were also honored and awarded in different categories for their dedicated service to the institute. The celebration highlighted the respect, gratitude, and admiration of students towards their teachers.



INDUSTRY-ACADEMIA MEET





The Mechanical Engineering Department organized an industrial visit to JMT Pvt. Ltd. and Laxmi Metal, Surat for ME3 and ME5 B.Tech Mechanical Engineering students as part of the Manufacturing Technology curriculum. The visit was coordinated by **Mr. Chirag Desai**, Faculty, Mechanical Engineering Department, along with Workshop Instructor **Mr. Kamlesh Parmar**. During the visit, students gained firsthand exposure to real-world manufacturing practices, including:

- Moulding process and pattern making
- Core preparation and cavity formation
- Furnace operation and molten metal pouring

This industrial exposure provided students with practical insights into industrial operations, enabling them to connect theoretical knowledge with actual manufacturing processes. The experience greatly enriched classroom learning and enhanced their understanding of the subject.





The industrial visit to Einfochips, Ahmedabad, was organized under the guidance of Dr.Niraj Shah (Dean, SOE) to give students exposure to real-world industry practices, career opportunities, and the role of software engineers in the IT sector on August19,2025 during 10:30 am to 3:30 pm sessions including the Experience Zone introduction by Ms. Ami Doshi, the Career Guidance Session by Mr. Bharat Advani, and the DevOps Career Guidance by Mr. Palas Gajjar and Mr.Faraz Ansari, proved to be highly insightful and motivating for our students.The visit was coordinated by **Ms. Hemangni Mehta, Mr.Raviraj Chauhan, Ms.Tasneem Kagzi, Mr.Shrikant Singh, Mr.Ashwin Parihar**, Faculty,Computer Engineering Department.During the visit, students gained firsthand exposure to real-world practices, including:

- Real-time projects and innovative setups
- Industry roles, skill requirements, and career-building strategies.
- DevOps tools, practices, and future opportunities in this domain.

The program included career guidance sessions, insights into DevOps, and an interactive Experience Zone visit, enabling students to bridge the gap between academic learning and industry applications.

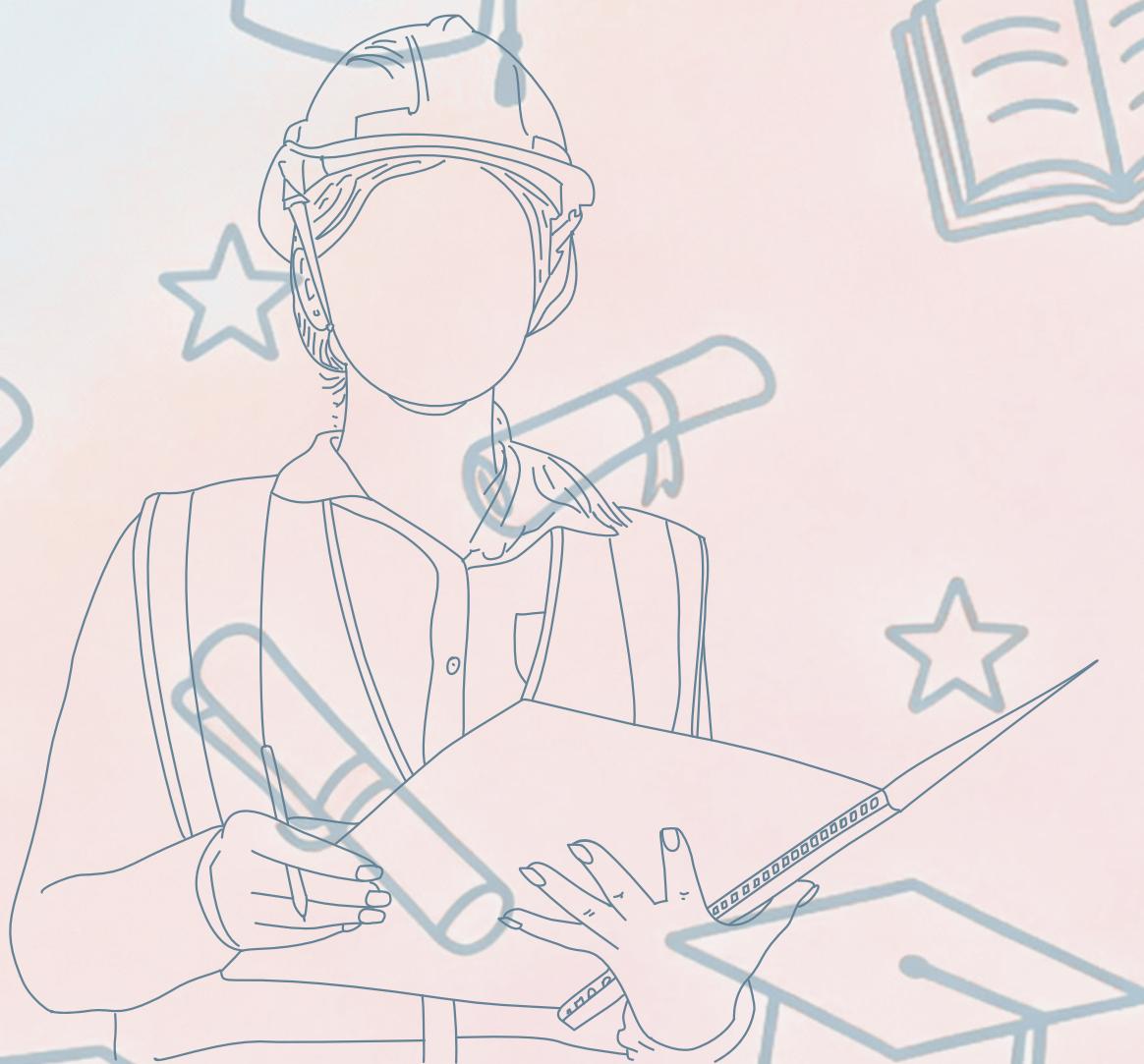




An Industrial Visit was organized on October 01, 2025 for the students of Mechanical students Semester 3 & 5. PGP Glass is a globally recognized specialty glass manufacturer known for producing high-quality packaging solutions for pharmaceuticals, cosmetics, perfumery, and food & beverage industries. The company operates state-of-the-art facilities equipped with advanced melting furnaces, forming machines, and inspection technologies. During the visit, students got the opportunity to tour different units of the plant, observe real-time operations, interact with industry experts, and gain insights into both technical and managerial aspects of large-scale glass manufacturing. This visit was coordinated by Dr. Rakesh Kumar and Mr. Manish Mehsuriya



ENGINEER'S DAY'25





On the occasion of Engineer's Day to honor the birth anniversary of Sir Mokshagundam Visvesvaraya, one of India's greatest engineers, School of Engineering organized various Technical and Non-technical Events on 16th of September 2025.

GLIMPSE OF THE EVENT:











FACULTY PARTICIPATION





Ms. Kamini Sharma, Assistant Professor, Computer Engineering Department participated in one week of FDP on "**Machine Learning & Deep Learning for Educators:Building a foundation for future Skills**" conducted by Department of Advanced Computing, Poornima college of Engineering, Jaipur, Rajasthan from June 23-27, 2025.

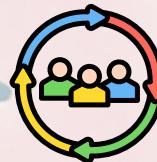
Dr. Balraj Krishnan Tudu, Assistant Professor of Chemical Engineering, School of Engineering, P. P. Savani University (NAAC A+), has successfully completed the Faculty Development Program on "**Sustainable Energy Transition: Fuel Cell Technology Competing for Supremacy in Portable Electronics**". This program was organized by the Electronics and ICT Academy, NIT Patna, under the Scheme of Financial Assistance for Setting up of Electronics and ICT Academies (Phase-II), Ministry of Electronics and Information Technology (MeitY), Government of India, and was conducted from 18th August 2025 to 28th August 2025.

Mr. Vijay M Patil, Assistant Professor, School of Engineering, P. P. Savani University has completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on "**Smart Health: AI Solutions for Modern Healthcare Systems**" at VIDUSH SOMANY INSTITUTE OF TECHNOLOGY AND RESEARCH from 15th September 2025 to 20th September 2025.

Ms. Neha Shah, Assistant Professor, Computer Engineering Department participated in two weeks of FDP on "**Machine Learning**" conducted by SkillDzire in collaboration with AICTE from August 18, 2025, to September 01, 2025.

Mr. Paresh Mistry, Assistant Professor, Civil Department, School of Engineering, P. P. Savani University, has received a Certificate of Participation for attending the Self-Sponsored 5 days Online FDP on "**Sustainable Applications and Research Perspectives**" in Civil Engineering, organized by the Department of Civil Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, from July 07, 2025 to July 11, 2025.

He has also successfully participated in the Online Faculty Development Program on "**Innovations & Sustainable Practices in Architecture, Construction and Building Materials**" organized by the School of Architecture & Planning, P P Savani University (NAAC A+), supported by UltraTech Cement, held from September 01, 2025 to September 05, 2025.





Ms. Isha Patel, Assistant Professor, Civil Department, School of Engineering, P P Savani University, has received a Certificate of Participation for attending the Self-Sponsored 5 days Online FDP on “**Sustainable Applications and Research Perspectives**” in Civil Engineering, organized by the Department of Civil Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, from July 07, 2025 to July 11, 2025.

Mr. Bhupendra Singh Ken has successfully completed the Faculty Development Program on

- “**Sustainable Energy Transition: Fuel Cell Technology Competing for Supremacy in Portable Electronics**,” organized by the Electronics and ICT Academy, NIT Patna, under the Scheme of Financial Assistance for Setting up of Electronics and ICT Academies (Phase-II) by the Ministry of Electronics and Information Technology (MeitY), Government of India, held from 18th August 2025 to 28th August 2025.
- “**Bridging the Gap of Industry–Academia Interface in Chemistry Research & Innovation**,” organized by the Department of Chemistry, School of Applied Sciences, REVA University, Bengaluru, held from 18th August 2025 to 22nd August 2025.

Ms. Aarti Sonawane has successfully completed the Faculty Development Program on “**Sustainable Energy Transition: Fuel Cell Technology Competing for Supremacy in Portable Electronics**,” organized by the Electronics and ICT Academy, NIT Patna, under the Scheme of Financial Assistance for Setting up of Electronics and ICT Academies (Phase-II) by the Ministry of Electronics and Information Technology (MeitY), Government of India, held from 18th August 2025 to 28th August 2025.

Ms. Zarana Gajjar, Assistant Professor, Computer Engineering Department completed :

- “**Software Engineering: Modeling Software Systems using UML**” Coursera course by The Hong Kong University of Science and Technology on August 07, 2025.
- “**Software Engineering: Implementation and Testing**” Coursera course by The Hong Kong University of Science and Technology on September 10, 2025.





Mr. Ankur N. Shah, Department of Computer Engineering, School of Engineering, P P Savani University has actively participated in several professional development programs, webinars, and online courses over the past few months, enhancing his expertise in cybersecurity, programming, and emerging technologies.

Webinars & Online Events:

- Participated in the “**Cyber Drill – Phishing, Malware & Ransomware**” webinar organized by CAWACH Kendra, Government of Gujarat on July 07, 2025.
- Attended the “**Transform Education with AI: Live Solutions in Action**” webinar on 31st July 2025 via Zoom.
- Participated in “**Zoom Beyond Meetings: Harness Agentic AI to Power Your Workday in Zoom Work**” webinar on August 21, 2025.
- Attended “**Zoomtopia 2025**” webinar on September 18, 2025, discussing AI-driven productivity with international participation.

Faculty Development Programs (FDPs):

- Completed a one-week FDP on “**Capacity Building in Higher Education Institutions (HEIs): The Challenges & Opportunities**” organized by Don Bosco Institute of Technology (DBIT), New Delhi from July 14, 2025 to July 18, 2025.
- Participated in the ATAL one-week online FDP on “**Emerging Trends and Applications in Artificial Intelligence and Data Science**” at MES M.K Mackar Pillay College for Advanced Studies from 18th August 2025 to August 23, 2025.

Coursera Courses:

- “**C for Everyone: Structured Programming**”.
- “**Introduction to Python for Cybersecurity**”.
- “**C++ For C Programmers, Part A**”.
- “**C++ For C Programmers, Part B**”.
- Specialization: “**Coding for Everyone: C and C++**”.

Ms. Bhavisha Shah, Assistant Professor, Computer Engineering Department participated in five days **IEEE Quantum Lecture Series – 2025** held by HKBK college of Engineering in association with IEEE Bangalore Section, Bengaluru from September 1 to 5, 2025.





Mr. Adarsh Kushwaha, Lecturer Computer Engineering Department, School of Engineering, P P Savani University, actively participated in the IEEE Quantum Lecture Series – 2025 organized by the Department of ECE, Department of AIML & R&D Cell, HKBK College of Engineering in association with IEEE Bangalore Section, held from September 01 to 05, 2025.

Mr. Rahulkumar, Assistant Professor, Chemical Engineering Department has successfully completed the Faculty Development Program on “**Sustainable Energy Transition: Fuel Cell Technology Competing for Supremacy in Portable Electronics**,” organized by the Electronics and ICT Academy, NIT Patna, under the Scheme of Financial Assistance for Setting up of Electronics and ICT Academies (Phase-II) by the Ministry of Electronics and Information Technology (MeitY), Government of India, held from 18th August 2025 to 28th August 2025.

Ms. Isha Patel, Assistant Professor, Civil Engineering Department participated in five days FDP on “**Innovations & Sustainable practices in architecture, construction and Building Materials**” conducted by P P Savani University in association with Ultratech Cement organized by School of Architecture and Planning from Sept 01, 2025 to Sept 05, 2025.

Mr. Mitulraj Kumar, Assistant Professor, Department of Computer Science and Engineering, has successfully completed the Faculty Development Program on “**Cloud Analysis and Security**”. The program was organized by the Electronics and ICT Academy, MNIT Jaipur, under the Scheme of Financial Assistance for Setting up of Electronics and ICT Academies (Phase-II), Ministry of Electronics and Information Technology (MeitY), Government of India. It was held from 8th September 2025 to 19th September 2025.

Mr. Chirag Desai, Assistant Registrar, P. P. Savani University has successfully participated in the NPTEL Workshop on July 19, 2025 by IIT Bombay at IIT Bombay, Mumbai.

Mr. Aakash Gupta, Assistant Professor, Department of Computer Science and Engineering, School of Engineering, P P Savani University, has successfully completed the following professional certification courses on the Coursera platform:

1. “**Product Management: Foundations & Stakeholder Collaboration**” authorized by SkillUp and offered through Coursera on September 03, 2025.
2. “**Product Management: An Introduction**” authorized by IBM and offered through Coursera on September 03, 2025.





Mr. Aakash Gupta, Assistant Professor, School of Engineering, P P Savani University, successfully completed the **Foundation Level Innovation Ambassador Training** organized by the Ministry of Education's Innovation Cell (MHRD), Government of India, on August 25, 2025.

He successfully completed the **Advanced Level Innovation Ambassador Training** organized by the Ministry of Education's Innovation Cell (MHRD), Government of India, on August 25, 2025.

Mr. Siddharth Shah, Academic coordinator, Civil Engineering Department participated in FDP on

1. **“Innovation & Sustainable practices in Architecture, Construction and Building Materials”** conducted by P P Savani University supported by Ultratech Cement from 1st September, 2025 to 5th September, 2025.
2. **“Sustainable Applications and Research Perspectives in Civil Engineering”** conducted by Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab from July 7 to 11, 2025.

Ms. Meenakshi Kashyap, Assistant Professor Computer Engineering Department , P P Savani University has attended:

1. **“Technical Session on “Introduction to PID Controller”** conducted as part of the e-Yantra Robotics Competition (eYRC), IIT Bombay. The online session was conducted on 24th July 2025.
2. **“Technical Session on “Introduction to Nginx”** conducted as part of the e-Yantra Robotics Competition (eYRC), IIT Bombay. The online session was conducted on 10th July 2025.

Dr. Pratima Upadhyay, Assistant Professor, Computer Engineering Department, participated International online Workshop on “ **THE ETHICAL TOOL KIT FOR SCHOLARS** “, organized by the Department of Applied Chemistry, Aligned with Sustainable Development Goals 4 & 9 by Amity University Gwalior, Madhya Pradesh, on August 06, 2025.

Ms. Meenakshi Kashyap, Assistant Professor, Computer Engineering Department participated in:

1. Short-Term Training Program on “**CircuitVerse**”, held from September 22 to 27, 2025 conducted online and organized by Smt. Geeta Maa Foundation (Education & Healthcare Trust), West Champaran, Bihar.
2. Online Workshop titled “**Robotics**”, held on August 03, 2025. This event was organized by Smt. Geeta Maa Foundation (Education & Healthcare Trust), West Champaran, Bihar.





Ms. Subhrata Biswal participated in

- The Self-Sponsored One Week Online Short-Term Course on “**Sustainable Applications and Research Perspectives in Civil Engineering**” from July 7-11, 2025 organised by Department of Civil Engineering Dr B R Ambedkar National Institute of Technology, Jalandhar.
- The online Faculty Development Program on “**Innovation & Sustainable Practices in Architecture, Construction and Building Materials**” from September 1 to 5, 2025 supported by Ultratech Cement organized by Scholl of Architecture Planning P P Savani University.

Ms. Tasneem Kagzi, Assistant Professor, Computer Engineering/IT Department, participated in faculty development program (FDP), titled “**Recent Advances and Applications of Manufacturing in Industry 4.0**” held online at t V V COLLEGE OF ENGINEERING, between September 22 to 27,2025.

Mr. Abhinav Kashyap, Assistant Professor, Mechanical Engineering Department participated

in :

- One-day National workshop on “**Research writing empowered by AI: Strategies for fast publication in Top-Tier Journals**” conducted Vasantidevi Patil Institute of Pharmacy, Kolhapur, Maharashtra on September 04, 2025.
- Online Workshop titled “**Robotics**” held on August 03, 2025. This event was organized by Smt.Geeta Maa Foundation (Education & Healthcare Trust), West Champaran, Bihar.

Ms.Jigna Patel, Assistant Professor, Chemical Engineering Department, participated in the Faculty Development Program on :

- “**Bridging the Gap of Industry - Academia Interface in Chemistry Research & Innovation**”, organized by the Department of Chemistry, School of Applied Sciences, REVA University, Bengaluru. The program was conducted from August 18 to 22, 2025.
- “**Sustainable Energy Transition: Fuel Cell Technology Competing for Supremacy in Portable Electronics**”, organized by the Electronics and ICT Academy, NIT Patna, under the Scheme of Financial Assistance for Setting up of Electronics and ICT Academies (Phase-II) by the Ministry of Electronics and Information Technology (MeitY), Government of India. The program was conducted from August 18 to 28, 2025.





Mr. Adarsh Kushwaha, Lecturer, CE/IT Department, School of Engineering, P P Savani University, has successfully completed the following professional certification courses on the Coursera platform:

1. **AI Materials** - authorized by KAIST .
2. **Palo Alto Networks Cybersecurity Foundation**- authorized by Palo Alto Networks .
3. **Introduction to Network Security**- authorized by the University of London, Royal Holloway.

RESEARCH ERUDITE





Mr. Sahib Sethi, Assistant professor, Computer Engineering department has published a paper on **“Tech-Driven Strategies for Paddy Disease Prevention and Crop Health Optimization”** in IJARSCT, Volume 5, Issue 1, June 2025, ISSN: 2581-9429.

Mr. Vijay M Patil, Assistant Professor, Computer Engineering Department from P P SAVANI UNIVERSITY has presented a paper entitled **“AI Integration Techniques for Heat Orchestration Extension: A Comprehensive Analysis”** in the 7th IEEE International Conference on Information Systems and Computer Networks (ISCON-2025) organized by the Department of Computer Engineering & Applications at GLA University, Mathura, Uttar Pradesh, India during September 05 - 06, 2025.

Ms. Kamini Sharma Assistant Professor, Department of Computer Engineering, P P Savani University actively participated in the 2-day International Conference on **“Electronics, AI and Robotics”** (ICEAR 2025) held in the Republic of Korea on 15th and 17th July 2025 via hybrid mode.

Mr. Anshul Gour and Mr. Kireet Sharma, Assistant professors, Computer Engineering department have published a paper on **“A Knowledge Graph-Driven Approach to Aspect-Based Sentiment Analysis for Environmental Discourse: Evaluating the Impact of Embedding Techniques”** in International Journal of Environmental Sciences, Vol. 11 No. 14s, 2025, ISSN: 2229-7359. (Scopus, Q4)

Dr. Pratima Upadhyay Assistant Professor, Computer Science and Engineering Department, at PP Savani University, published a patent titled **“AI based Embedded System for Real-Time Monitoring and Analysis of Biomedical Signals”** Application number 202521082580, from the IPR Office, India.





Mrs. Kamini Sharma, Assistant Professor, Department of Computer Science and Engineering, P P Savani University has actively contributed to research and presented her work at several national and international conferences in 2025, demonstrating her expertise in Deep Learning, Human Activity Monitoring, and AI-based systems.

- Presented the paper **“Advancing Wheat Disease Detection Using Deep Learning: Models, Challenges, and Future Perspectives”** at the 5th Asian Conference on Innovation in Technology (ASIANCON 2025) hosted by Pimpri Chinchwad College of Engineering & Research (PCCOER), Pune on 22nd–23rd August 2025 in hybrid mode.
- Presented the paper **“A CNN-Based Real-Time Pose Detection System Using MediaPipe for Human Activity Monitoring”** at the IEEE 4th International Conference for Advancement in Technology (ICONAT 2025) held at the International Centre, Dona Paula, Goa from 19th–21st September 2025 in hybrid mode.
- Presented the research paper **“Autonomous Drone-Based Simulation for Disaster Response System Using YOLO V7 Model”** at the International Conference on Advances and Trends in Engineering and Scientific Theory (ICATEST 2025) organized online by MG Aricent Educational Foundation in collaboration with Pankaj Laddhad Institute of Technology and Management Studies & P. R. Pote Patil College of Engineering and Management.

Dr. Rahul Sinha Assistant Professor, Department of Mechanical Engineering at P. P. Savani University, has successfully presented a research paper titled: **“Green and Sustainable Tribology: A Future Need for Economic Growth”** along with co-authors **Dr. Rakesh Kumar and Mr. Abhinav Kashyap**. The paper was presented at the International Conference on Frontiers in Engineering, Science and Technology: Global Perspective (FESTGP-2025), organized by the Department of Mechanical Engineering, Elitte College of Engineering, Sodepur, Kolkata, on August 6 to 7, 2025.





Dr. Rahul Sinha Assistant Professor, Mechanical Engineering Department presented International Conference on "Frontiers in Science, Engineering, and Technology: Global Perspective" (FESTGP-2025) along with co-authors **Dr. Rakesh Kumar** and **Mr. Abhinav Kashyap** conducted by J Elite College of Engineering, Kolkata, West Bengal from held on August 6 & 7, 2025.

Mr. Santosh Kumar Barik, Assistant Professor, Chemical Engineering Department made an Oral presentation on "Synthesis and Characterization of Super Porous Hydrogel - A Review" in an International Symposium On "Integrated Computational and Experimental Methods for Innovation in Chemistry and Interdisciplinary Sciences" conducted by P P Savani University, Surat, Gujarat from September 03 to 04 2025.

Mr. Sadik Lakhani, Assistant professor, School of Engineering, P P Savani University has published a paper on "Revolutionizing smart farming: Quantum computing applications in plant disease detection: A hybrid quantum-classical approach for sustainable agriculture" in International Journal of Computing, Programming and Database Management, Volume 6, Issue 2, on September 26, 2025, E-ISSN: 27076644, P-ISSN: 2707-6636.

Mr. Paresh Mistry, Assistant professor, School of Engineering, P P Savani University has published a paper on "Building Information Modelling in Construction Industry" in International Journal of Natural Science, Volume 16, Issue 91, on August, 2025, P-ISSN: 0976 – 0997.

Ms. Nafisa D Shaikh of Civil Engineering Department, School of Engineering at P P Savani University has presented a research paper titled "High Strength Geopolymer Concrete with Crumb Rubber Tyre Aggregates Performances and Sustainability" from ICCEAS-2025, Organised by Gandhi Institute for Education & Technology, Bhubaneshwar, Odisha.

Ms. Khushbu Chauhan, Ms. Bhavisha Shah, Ms. Sneha Saini, Mr. Aakash Gupta of CE/IT Department, School of Engineering at P P Savani University were granted patent titled "COMPUTING DEVICE FOR AI-DRIVEN IOT NETWORKS" from the IPR Office, India.





Dr. Vinit Gupta, Associate Professor of Mechanical Engineering Department, School of Engineering at P. P. Savani University along with external collaborators has guest edited a book titled **“Multi Attribute Decision Making in Industrial Engineering”** with Scrivener Publishing, Wiley. The book is scheduled to be published in January, 2026.

Dr. Vinit Gupta, Associate Professor of Mechanical Engineering Department, School of Engineering at P. P. Savani University has evaluated and served as an external examiner (thesis defense viva) for Ph.D thesis of :

- Ms. Dipali C. Bhoyar titled **“Optimization of heat input to improve microstructure and mechanical properties of cold metal transfer weld joints of 316 stainless steel”** submitted under Faculty of Science and Technology, RTMNU, Nagpur (State University).
- Mr. Harshanand P. Ramteke titled **“Establishment of empirical relationship between the design variables of newly evolved flexible type swing coupling”** submitted under Faculty of Science and Technology, RTMNU, Nagpur (State University).

Ms. Subhashini K. has participated in the IEEE Quantum Lecture Series – 2025 held from September 01 to 5 , 2025 organized by the Department of ECE, Department of AIML & R & D Cell HKBK College of Engineering in association with IEEE Bangalore Section.

Mr. Utkarsh Nigam, Ms.Isha Patel ,Ms.Subhrata Biswal, Mr.Keval Jariwala,Dr. Bikram Prasad got a design patent granted on **“PORTABLE MICRO-IRRIGATION DEVICE”**. Design no: 459805-001.





Dr. Rakesh Kumar from Mechanical Engineering Department, School of Engineering published research papers on :

- **Wrat, G., Ranjan, P., Jose, J.T., Kumar, R. (2025).** Innovative Energy-Saving Techniques in Construction and Heavy Machinery. In: Tiwari, S.K., Fegade, A., Kamal, M. (eds) AI-Driven Environmental Pollution Management. Climate Risks and Solutions. Springer, Cham. https://doi.org/10.1007/978-3-031-96243-1_15 (Scopus Indexed)
- **Patel, R., Singh, P.K., Saw, S., Kumar, R. (2025).** Understanding the Concept of Noise Pollution: Sources, Impacts, and Mitigation Strategies. In: Tiwari, S.K., Fegade, A., Kamal, M. (eds) AI-Driven Environmental Pollution Management. Climate Risks and Solutions. Springer, Cham. https://doi.org/10.1007/978-3-031-96243-1_3 (Scopus Indexed)

Dr. Rahul Kumar has published a research paper along with **Dr.Vinit Gupta & Dr.Ranjit Kumar Dehury** entitled “**Fracture analysis of edge-cracked FGM plate with thermo-mechanical loadings using XFEM**”Mechanics Based Design of Structures and Machines, July 29, 2025,<https://doi.org/10.1080/15397734.2025.2537303>



FACULTY ACHIEVEMENT





Ms. Hemangini Patel, Assistant Professor, P. P. Savani University, was felicitated for completing over five years of dedicated service at PPSU.



Mr. Chirag Desai, Assistant Registrar, P. P. Savani University, was felicitated for his instrumental role as SPOC of SWAYAM-NPTEL Local Chapter.

Ms. Neha Shah, Assistant Professor, P. P. Savani University, was felicitated for her instrumental role as SPOC of SWAYAM-NPTEL Local Chapter.

Dr. Rakesh Kumar of Mechanical Engineering Department, School of Engineering at P P Savani University received MGMI Award of Excellence for Best Technical Paper in MGMI Transaction Volume 119 for the year 2023-24, title “Optimizing Blasthole Drilling Performance in Surface mines-an Innovative Approach” and the Award was conferred at the Institute’s 119th Annual General Meeting held on Saturday, the 27th of September, 2025 at 11.30 a.m. at the Ballroom of HYATT REGENCY KOLKATA, JA-1, Sector-3, Salt Lake City, Kolkata – 700098.





Dr. Rakesh Kumar from the Mechanical Engineering Department, School of Engineering, P P Savani University, successfully completed the development of three machines—Globule Making Machine, Triturator, and Potentizer—required by the Homeopathy Department of P P Savani University. The project was accomplished with the support of ME 5th semester students and faculty members **Dr. Rahul Sinha, Dr. Rahul Kumar, and Mr. Abhinav Kashyup**, and the machines were developed at a significantly lower cost compared to the prevailing market prices.



Mr. Aakash Gupta, Assistant Professor, School of Engineering at P P Savani University, contributed as a Reviewer at the 2nd IEEE International Conference on Artificial Intelligence and Machine Vision (AIMV-2025) organized by Pandit Deendayal Energy University, Gandhinagar, on 16–17 August 2025.

Mr. Aakash Gupta, Assistant Professor, School of Engineering at P P Savani University, contributed as a Reviewer for the journal Environment and Social Psychology (Arts and Science Press, ISSN: 2424-8975) by reviewing the paper titled “Trust issue and skills acquisition pace on environmental science instruction through AI use” on 21st July 2025

Ms. Nafisa D Shaikh of Civil Engineering Department, School of Engineering at P P Savani University has received a best Paper Presentation award for her Paper titled “High Strength Geo-ploymer Concrete with Crumb Rubber Tyre Aggregates Performances and Sustainability” from ICCEAS-2025, Organised by Gandhi Institute for Education & Technology, Bhubaneshwer, Odisha.



STUDENT THINKS





आपकी मित्रता

याद रखना चाहते हैं उन पलों को
जब आप हमारी जिंदगी में आये ;

बात करना चाहते हैं उन दिनों की...
साथ में सब थे पर पास हमारे कोई नहीं !

विचारों कि आँधी शायद मोहब्बत से गुज़रेगी
किन्तु सत्यार्थता सदैव ही दोस्ती से उभरेगी ;

दृश्य है खंडित न होने वाली प्रकृति का
प्रतीक्षा है सुधीर सम एकांत की निवृत्ति का ;

जीवन में समय, बीतने के लिए ही चल रहा था
किसी को अपना बताने में ही दिल तरसता था ;

स्मरण हमे वो लम्हे, जब हम सामने से कहते थे
नादानी में या दिखावे में दोस्ती किया करते थे ;

सब कुछ साथ था , पर फिरभी कुछ अधूरा सा था
उन्होंने मुझे सखी कहा पर...कहा अपना कहा था !!

समय-चक्र चलता गया जगह भी बदलती गई
दोस्ती को लेकर उलझाने, कहा कम होती गई ;

अब नई कहानी, नया दौर...
नई मुलाकात से मचा नया शौर
हुआ वही जो अतीत में...
दिखावे की जगह को मिला कौन?

रिश्ता ! जो दिखता सच्चा था,
पर नींव से ही खोखला था;
बिन कहे सबकुछ समझता,
पर महसूस कहा करता था ;

वास्तविकता से अवगत हुए, अनुभवों से परिचित हुए
फिर जाकर समझ आया...हम तो अंधकार से घिरे हुए !





कदाचित जीवन की ये हमारी आखरी परीक्षा थी
प्रकृति को भी हमें उनसे मिलाने की प्रतीक्षा थी...

प्रारंभ की बात , बातचीत की आस
काल के साथ , अनजाने होकर भी पास;

मानो मुझे दूसरा अपना घर मिल गया
तृष्णीत राही को जैसे जल मिल गया;

बंधन से विमुक्त सारे गम को भुला दिए
दिखावों को फिक्र ने गले से लगा लिए;

क्षितिज से होकर धरती से ना मिले वो अम्बर नहीं;
जीवन में आपकी जगह किसीके लिए संभव नहीं !!

For her best friend Hina



Dhruvi Mukeshbhai Malankiya

23SEO2CE056

B.TECH CE5





अनसुलझी बातों का लघु विश्लेषण

Oh God...I think I have felt this before too !

अरे ! आ अनुभव नो अહेसास तो में पहेला पण करी लीधो छे...
ये क्षण कुछ देखे देखे से क्यु प्रतीत हो रहे हैं...

जय श्री कृष्ण मित्रो,

हमारे जीवन में भी प्रतिदिन कोई ऐसा क्षण आ ही जाता हैं ,
जो हम तो प्रथम बार ही जीते हैं किन्तु हमें महसूस कराता हैं कि ऐसा
पूर्व में भी हो चुका है!!

कारण हैं हमारे मन का अंतरात्मा से शाश्वत बंधन । श्रुष्टि में
प्रत्येक मानवी को बुद्धि और अहम हर जन्म के प्रारंभ में प्राप्त होते हैं
परंतु मन तो सदैव आत्मा की शाश्वतता के साथ बंधित था , इसीलिए
मन वो बात जानता है जो पूर्व में घटित थी । हा मन की अजागृतता के
कारण हमें प्रत्येक क्षण पूर्ण रूप से स्मरण नहीं हैं किन्तु उन्ही क्षणों की
शुक्ष्म यादें जो हमें अहसास करवाती हैं कि, हा ये पहले भी हो चुका है ।

ईश्वर ने सब कुछ नश्वर रखा है किन्तु अगर कुछ शाश्वत है तो
हमारे निर्दोष भाव - सत्, प्रेम , दया , करुणा ।

इसीलिए सदैव ही भावनात्मक रूप से जागृत रहना ही आज के
समय का
सबसे उत्तीर्ण प्रयोजन बन गया हैं । कदाचित इसी विचारधारा से
मानवी अपनी
आध्यात्मिक शक्तियों के निकटतम जा सकता है ।

~ The Dhruvi



Dhruvi Mukeshbhai Malankiya

23SEO2CE056

B.TECH CE5





नजाकत

Kuchh hote hai log
jinhe na pyaar ka moh hai
Na duniya se pare koi insan ka moh hai

Moh to hai bass नजाकत का

नजाकत - itani takatt hai isme ki
Pal bhar me tumhari duniya phool si
Aur pal bhar me tumhari duniya ret si

Konsa insan
kab kaha kis waqt se guzar raha hai
Tum kya jano
Isiliye apne savbhav me नजाकत rakhiye

Chhoti si नजाकत
Kisi ki chehre ki Khushi vapas la sakti hai

Chhoti si नजाकत
Kisi ke dil ka boj halka kar sakti hai

Chhoti si नजाकत
Kisi ke pathar se dil ko mulayum रेशम kar sakti hai

Chhoti si नजाकत
Tumhe pal me puri zindagi jit jane ka ehsas dila sakti hai

Chhoti si नजाकत
Kisi ko gale laga kar rula sakti hai

Haina kamaal
Isiliye duniya ke moh se pare
Kuchh chahiye
Aur Chah bass नजाकत की hai





Duniya ne zindagi ke har ek mod par
 Bass bahadur rehna sikhaya hai
 Dat kar ladna sikhaya hai
 Khul kar nahi rona hai ye sikhaya hai
 Mature rehna sikhaya hai
 Muskilo se ekele ladna sikhaya hai
 Dusro ka dil rakhna Sikhaya hai
 Apne hisse ka nibhana sikhaya hai
 Khud ki zindagi ret karke dusro ko phool dena sikhaya hai
 Khud ke aasu khud pochh kar dusro ko hasana sikhaya hai

Zindagi ke har pal me
 Hum bass khud se ladte aaye hai

Isiliye aab duniya ke har moh se pare
 Chah bass aab नजाकत ki hai

Lekin नजाकत he q ???
 Q ki नजाकत
 Muje bahadur rehna nahi
 Lekin khudse pyaar karna sikhati hai

Aab bass duniya ke moh se pare
 Sirfff aur sirfff
 नजाकत chahiye ...



Aastha Thummar K.

23SEO2CS114

BTech-CSE-5B



FACULTY THINKS





संसार और योद्धा

वरदान था, अपमान भी था; शौर्य था, व्यवधान भी था;
जीवन के उस छन में, श्रेष्ठा के इस रण में;
संप्रभुता और समता का नित नया आह्वान भी था...

जब चला रश्मिरथी होकर, परिवर्तन की चाह लिए;
संसार के संस्कार सभी, पुकारे उसे युद्ध के लिए;
जब वो दीपक सी लौ, सूर्य सा प्रज्ञावान हुआ;
स्वयं को पाया और लुटाया; कभी पंख कभी पाषाण हुआ...

समय के साथ परिवर्तन भी, स्वयं परिवर्तित हो गया;
जिसे बदलने की प्रगाढ़ता, फिर अव्यवस्थित हो गया;
कितने योद्धा लड़ गए, संसार के इस कुटिल नियम से;
अंधकार छा जाए फिर से, प्रकाश को अपने मद से ढके...

साधक साधना को क्या साधे, मुक्त हो या स्वयं को बांधे;
कर्म को जब निष्क्रिय करके, साधन ही फिर बलवान हुआ;
संस्कार और प्रज्ञा के समर में, फिर कोई कर्ण बलिदान हुआ, फिर कोई कर्ण बलिदान हुआ...



Dr. Vinit Gupta
Associate Professor
Mechanical Engineering
Department
School of Engineering



EDITORIAL BOARD



Patron



Shri Vallabhbhai Savani,
President,
P P Savani University



Dr. Parag Sanghani,
Provost,
P P Savani University



Dr. Niraj Shah,
Dean & Director,
P P Savani School Of Engineering

Editors



Ms. Sneha Saini,
Academic Coordinator
BCA/MCA/MSc.



Mr. Sadik Lakhani,
Assistant Professor,
SOE, PPSU



Ms. Twisha Patel,
Assistant Professor,
SOE, PPSU



Ms. Subhashini K.,
Assistant Professor,
SOE, PPSU



Dr. RanjitKumar Dehury,
Assistant Professor,
SOE, PPSU



Ms. Aarti Sharma,
Lecturer,
SOE, PPSU

Designers



Param Kalathiya
23SEO2MLO81
CSE5A



Darshil Chheta
23SEO2CSO11
CSE5A



Vraj Pandya
23SEO2CEO52
CE5



Krishnal Italiya
23SEO2IEO52
IE5