PPSU
P P SAVANI UNIVERSITY

NAAC ACCREDITED A+ GRADE

School of Engineering

COLLEGIATE SAGA

EXPLORE • EXPERIENCE • EMPOWER

TECH वृतम्

TECHVRUTAM is the annual **engineering magazine** of **P. P. Savani University,** celebrating the **ideas, innovations** and **achievements** of our vibrant student community. From **academic excellence** and cutting-edge projects to creativity, **collaboration** and **campus experiences, TECHVRUTAM** brings together the voices and stories that shape the spirit of engineering at PPSU.

OCTOBER 2026

32nd ISSUE



Student Stories, Bigger Tomorrow

A platform to celebrate **talent, creativity** and **innovation, TECHVRUTAM** brings together the voices, ideas and journeys of **students, faculty** and **innovators** who are shaping the future of engineering at **P. P. Savani University.**

CAMPUS INSIGHTS
Stories, events and achievements from across the university.

STUDENT VOICES
Real experiences, fresh perspectives and creative expressions.

INNOVATION & IDEAS
Projects, research and technologies shaping tomorrow.

BEYOND ACADEMICS
Clubs, culture, sports and the vibrant life at PPSU.



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CAMPUS MAGAZINE | 32nd ISSUE | TECH वृतम्

TECH वृतम्

32nd ISSUE

CAMPUS MAGAZINE

A platform to showcase ideas, achievements and experiences that inspire learning, innovation and a stronger academic community.

IN THIS ISSUE

INSPIRING IDEAS
From classrooms to real-world solutions

STUDENT VOICES
Ideas, perspectives and experiences

INNOVATION & RESEARCH
Exploring possibilities for a better tomorrow

ACADEMIC EXCELLENCE
Celebrating achievements and collaborations

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TECH वृतम्



Events of Academic Excellence

Events of Academic Excellence celebrate the achievements and dedication of students through seminars, competitions, workshops and knowledge-based activities, fostering learning, innovation and a culture of excellence.





AWARD SPOTLIGHT: SCHOOL OF ENGINEERING, P P SAVANI UNIVERSITY AT THE ASSOCHAM SUMMIT 2026

We are proud to announce that the School of Engineering, P P Savani University, Surat has won an award at the 18th National Education Leadership & Skill Development Summit & Excellence Awards 2026, organised by ASSOCHAM. Our institution will be represented at the Summit by Dr. Chirag Desai, whose registration has been confirmed.

The summit was held on Thursday, 9th July 2026, at Sovereign 1, Hotel Le Méridien, New Delhi. Centred on the theme "Education for Viksit Bharat: Bridging Aspirations with Transformation," it will bring together senior leaders from government, academia, industry, regulatory bodies, universities, institutions, and the innovation ecosystem to deliberate on the future of education and skill development in India.

Congratulations to the School of Engineering and to Dr. Chirag Desai on this recognition. Special appreciation to Mr. Kaushal Singh and Ms. Sneha Saini for their dedicated efforts in preparing the award application and compiling the institutional data. This achievement reflects the dedication of our faculty and students to excellence in education and skill development. We look forward to sharing highlights from the summit.



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2026

SEPTEMBER 2026

Industry Academia Meet







Chemical Engineering department organised an industrial visit to **Cadixo Chemical LLP, Panoli**, on 21st August 2026 for the Chemical Engineering B. Tech 5th Sem students of SoE, P P Savani University.

The visit provided students with valuable practical exposure to industrial processes, plant operations, safety practices, and the working environment of the chemical industry. The students actively participated and gained meaningful insights through the visit.




Cadixo
Chemicals LLP
GPS Map Camera
Bakrol, Gujarat, India
H272+r77, Bakrol, Gujarat 394115, India
Lat 21.564542° Long 73.001105°
Friday, 21/08/2026 11:30 AM GMT +05:30
Google


Cadixo
Chemicals LLP
GPS Map Camera
Bakrol, Gujarat, India
H272+r77, Bakrol, Gujarat 394115, India
Lat 21.564533° Long 73.001068°
Friday, 21/08/2026 11:29 AM GMT
+05:30
Google

School of Engineering, Computer Engineering/Information Technology Department, conducted an expert talk under the Industry Expert Series on the topic "**Advanced JavaScript & Integrating ML/AI Outputs into Modern Web Applications**" on 24th September 2026 (Thursday) from 10:00 AM to 03:00 PM at I-313, BX-203, CX-204 & C-012. The session was delivered by eminent expert Mr. Nikesh Jain, Full Stack Developer, Techomax Solutions, Bharuch. The event was coordinated by **Ms. Zarana Gajjar (Course Co-ordinator)**, Mr. Ravirajsinh Chauhan, Ms. Bhavisha Shah and Ms. Megha Patel (Academic Co-ordinators), Assistant Professors, CE/IT Department, School of Engineering, P P Savani University, under the guidance of Dr. Parag Sanghani, Provost, and the mentorship of Dr. Niraj Shah, Dean, School of Engineering, P P Savani University



Dr. M. Thomas Victor, Associate Professor, Department of Mechanical Engineering, P P Savani University successfully hosted two insightful & Industry Expert Series & session on

"**Advanced Welding Processes: Technology, Performance and Industrial Applications**" on 12th September, 2026. The event featured distinguished expert Mr. Montu Mansukhbhai Bhatasana, Manager Engineering at Eskay Iodine Pvt Ltd, who shared valuable industry knowledge with attendees. The program was proudly guided by Chief Patron Dr. Parag Sanghani and Patron Dr. Niraj Shah, with dedicated coordination by Dr. M. Thomas Victor, and Dr. Rakesh Kumar, Academic Coordinator. This collaborative initiative provided students with a vital platform to bridge academic theory with practical, real-world industrial applications.



"**Understanding Wheels, Tyres and Suspension Systems for Automotive Performance and Safety**" on 3rd October 2026. The session was conducted by distinguished expert Mr. Mitulsinh Thakor from SVIT, Vasad, following a formal invitation from Dean Dr. Niraj Shah. Organized as part of the university's commitment to creating industry-ready professionals, this offline program featured four hours of technical insights and interactive Q & A. The initiative, rooted in the Trust's legacy since 1987, provided future engineers with invaluable practical knowledge, successfully bridging academic learning with real-world automotive engineering applications.



Dr. M. Thomas Victor, Associate Professor Department of Mechanical Engineering, Schoolof Engineering, P P Savani University, successfully organized two comprehensive industrial visits to bridge academic learning with practical industry exposure.

- On 23rd July 2026, 30 B.Tech Mechanical Engineering (Semester 3) students, accompanied by two faculty members, visited Jay Metal Tech and Laxmi Metal in Surat to observe advanced manufacturing processes firsthand.

- On 7th August 2026, 15 Diploma Mechanical Engineering (Semester 5) students and one faculty member toured the International Automobile Centre of Excellence in Gandhinagar to explore automotive innovations.

Both visits were efficiently coordinated by Dr. Thomas Victor, with faculty expenses covered by the university and travel costs partially supported by student contributions. These highly successful initiatives provided invaluable real-world insights, significantly enriching the students' technical knowledge and understanding of current industrial practices.



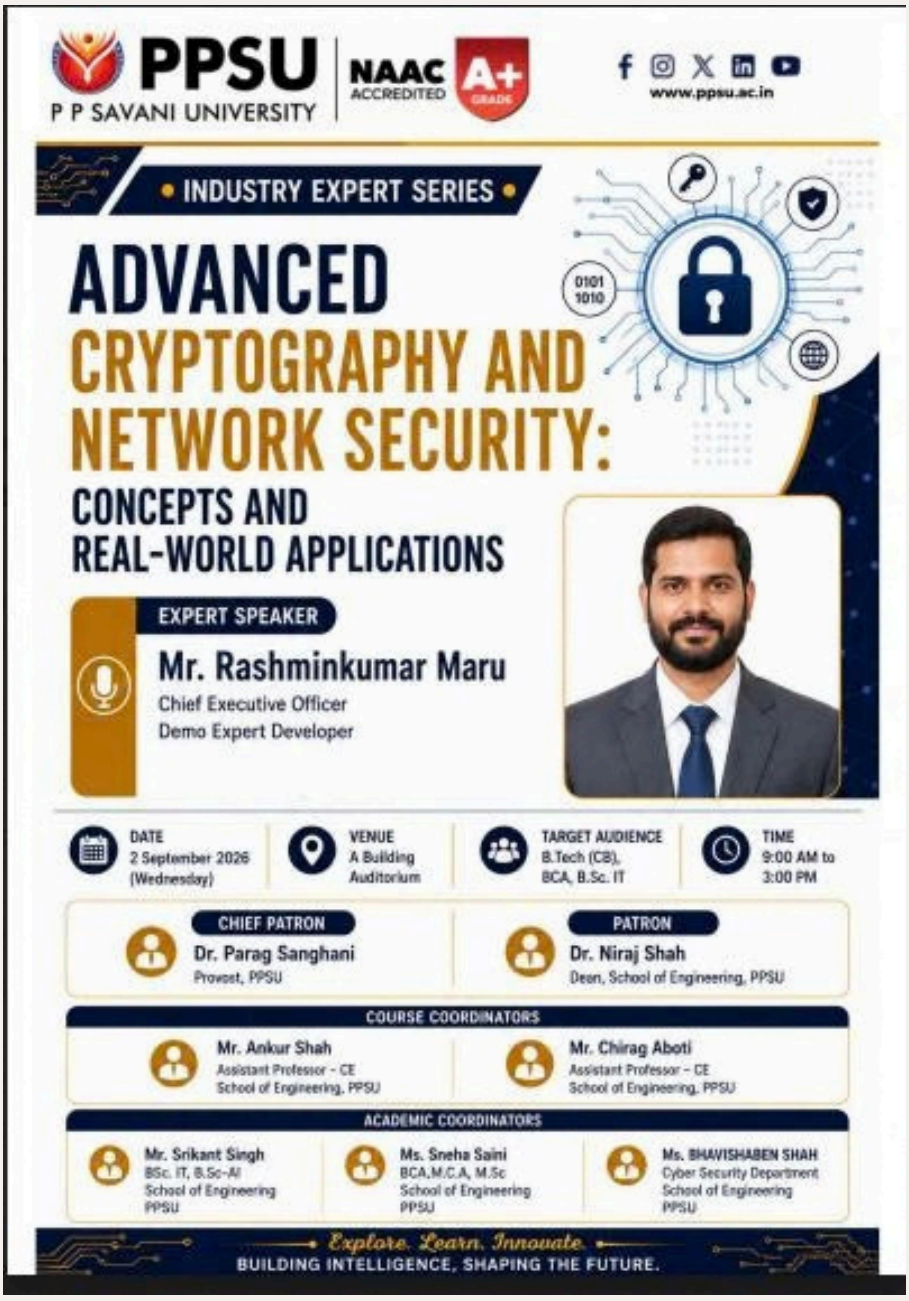


Dr. Pratima Upadhyay, Assistant professor of the Computer Engineering/Information Technology Department, School of Engineering at PP Savani University, conducted an Industrial Expert Talk on Cyber Security for the bright, forward-thinking B.Tech. CB -5 batch students at the School of Engineering, P.P. Savani University!





Mr. Ankur N. Shah and Chirag Aboti, Assistant professor of Department of Computer Engineering, School of Engineering, P P Savani University, organized an Industry Expert Talk for CB-5 students of the subject Cryptography Fundamentals on the topic "**Advanced Cryptography and Network Security: Concepts and Real-World Applications".** The session was conducted on September 2, 2026 (Wednesday), from 09:00 AM to 03:00 PM. The session was delivered by Mr. Rashminkumar Maru, Chief Executive Officer, Demo Expert Developer, Ankleshwar. The expert shared practical insights into advanced cryptography, network security concepts, and their real-world applications.



This MEMORANDUM OF UNDERSTANDING (MOU) is made at PPSavani University, Kosamba, Surat Dated: 07-08-2026 between "Demmisto Technologies Pvt. Ltd," having its office at 401, 4th Floor, Gala Empire, Opp. Doordarshan Tower, Drive-in Road, Thaljet, Ahmedabad -380052, and "P P Savani University, Kosamba, Surat," a nonprofit institute catering to the needs of education in different fields of technology, nursing, architecture, science, and design, having its premises at Village Dhamdod, Ta: Mangrol, Dist: Surat-394125Gujarat,India.

The objective of this MOU is to keep the students and the faculty of University appraised of the latest developments in the relevant industry, through the state-of-theart training, application know-how, seminars etc. Industry will endeavor to contribute to enhancing the quality of technical education. This is expected to be of immense benefit to both the Industry and University.

Faculty as Single Point of Contact: **Mr Sadik Lakhani, Assistant Professor, with Academic Coordinator Mr. Ravirajsinh Chauhan**, Assistant Professor from School of Engineering, P P Savani University.

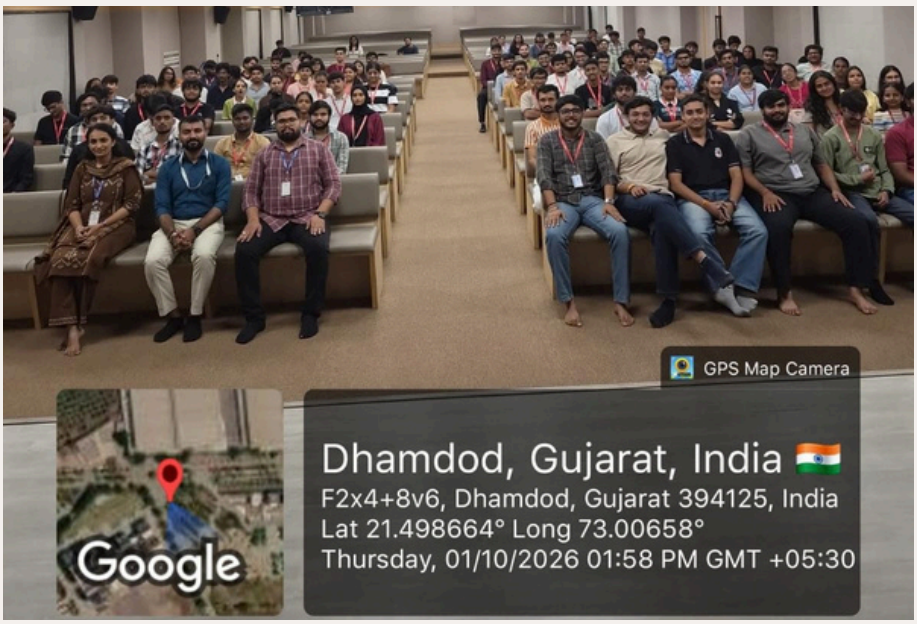




Ms Sneha Saini, Assistant Professor, School of Engineering organized an expert talks on

- "From student to professional : Lessons opportunities and the Future of Technology" on 29th September 2026. Expert Mr. Gideon Asante, MD of S- REC and the founder of WyllFlow

- "Data Collection and Data Preprocessing" on 1st October 2026. Expert Mr. Divyaraj Parmar, Data Science and Data Analytics Trainer, TOPS Technologies, Ahmedabad





The School of Engineering, P P Savani University organized an Expert Talk on "**Basic of Biomass and Bioenergy Systems**" under the Industry Expert Series on 10th September 2026, from 9:30 AM to 12:00 PM at CX-201. The session was delivered by the eminent industry expert Mr. Pawan Kumar Pandey, General Manager, M/s Eskay Iodine, Jhagadia. The session was conducted under the guidance of Dr. Parag Sanghani, Provost, P P Savani University, and Dr. Niraj Shah, Dean, School of Engineering, P P Savani University. **Dr. Ritesh G Upadhyay**, Assistant Professor, ECE Department, School of Engineering, P P Savani University, served as the Course Co-ordinator, while Dr. Shruti Suman, Professor, ECE Department, School of Engineering, served as the Academic Co-Coordinator. The expert talk was organized for the ET/MT/CT-3 target audience, with the objective of providing students with practical and industry-oriented insights into the fundamentals, applications, and significance of biomass and bioenergy systems.



The School of Engineering, P P Savani University organized an Expert Talk on "**Elements of Power System**" under the Industry Expert Series on 22nd September 2026, from 12:00 PM to 02:30 PM at CX-201.The session was delivered by the eminent industry expert Mr. Pawan Kumar Pandey, General Manager, M/s Eskay Iodine, Jhagadia. The session was conducted under the guidance of Dr. Parag Sanghani, Provost, P P Savani University, and Dr. Niraj Shah, Dean, School of Engineering, P P Savani University. **Dr. Ritesh G Upadhyay**, Assistant Professor, ECE Department, School of Engineering, P P Savani University, served as the Course Co-Coordinator, while Dr. Shruti Suman, Professor, ECE Department, served as the Academic Co-Coordinator. The event was organized for the ET-03 target audience.



The School of Engineering, P P Savani University organized an Expert Talk on "**Energy Management & Audit Basics**" under the subject "Electrical Estimation and Energy Auditing" on 10th September 2026 (Thursday), from 01:00 PM to 03:30 PM in offline mode. The session was delivered by the eminent industry expert Mr. Patel Nayankumar B, DG, Alchemie Finechem Pvt. Ltd. The session was conducted under the guidance of Dr. Parag Sanghani, Provost, P P Savani University, and Dr. Niraj Shah, Dean, School of Engineering, P P Savani University. **Dr. Ritesh G Upadhyay**, Assistant Professor, ECE Department, School of Engineering, P P Savani University, served as the Course Co-Coordinator, while Dr. Shruti Suman, Professor, ECE Department, served as the Academic Co-Coordinator. The expert talk was organised for the students of Diploma in Electrical Engineering (DEE), Semester 3. The session focused on the fundamentals of energy management and energy auditing, including energy conservation, energy efficiency, energy consumption analysis, basic energy audit procedures, identification of energy-saving opportunities, and practical approaches to improving energy utilization. The 2.5-hour offline session provided students with valuable industry-oriented exposure and practical insights into effective energy management and auditing practices in electrical and industrial systems.



The School of Engineering, P P Savani University organized an Industry Expert Series on "**Fundamental of Power System**" on 24th September 2026, from 1:00 PM to 5:00 PMat BX-104. The session was delivered by the eminent industry expert Mr. Patel Nayankumar B. The session was conducted under the guidance of Dr. Parag Sanghani, Provost, P PSavani University, and Dr. Niraj Shah, Dean, School of Engineering, P P Savani University. **Dr.Ritesh G Upadhyay**, Assistant Professor, ECE Department, School of Engineering, P PSavani University, served as the Course Co-Coordinator, while Dr. Shruti Suman, Professor, ECE Department, School of Engineering, P P Savani University, served as the Academic Co-Coordinator. The event was organized for the DEE-3 target audience.



School of Engineering, Department of Computer Engineering & Information Technology conducted an expert talk on the topic "**Algorithmic Thinking and Efficient Problem Solving: From Theory to Real-World Applications**" on 12th September 2026 during 09:00 am to 03:00 pm at I-313, School of Engineering, under the Industry Expert Series. Session was delivered by eminent expert Ms. Goldy Singh, Team Lead, Sr. Software Engineer, Ciphernutz IT Services. The session covered problem decomposition, time and space complexity, optimization techniques and the Think–Analyze–Solve– Implement approach, and was attended by 353 students of B.Tech Semester 5 (CSE, IT, CE and ITE). **Ms. Kamini Sharma**, School of Engineering, P P Savani University was the coordinator under the mentorship of Dr.Niraj Shah Dean, School of Engineering, P P Savani University.



As part of our academic and industry interaction activities, an IndustryExpert Talk was organised for Diploma students on 28th September 2026, from 9:00 AM to 3:00 PM. The expert, Mr. Parth Mehta, Module Lead (Software Development) at InnovateMR, Ahmedabad, delivered a session on "**End-to-End Software Engineering: Requirements, Design, Development, Testing & Deployment".** He shared valuable industry knowledge, practical insights, and real-world perspectives, helping students see how software projects move from gathering requirements to deployment. The event was coordinated by **Ms. Khushi Vaishnav**,



The Mechanical Engineering Department of the Institute of Diploma Studies conducted an Industry Expert Series on "**SOLIDWORKS Unlocked: Think, Design, Engineer**" on 21 September 2026, from 11:00 AM to 1:30 PM, at C-011, P P Savani University. The session was delivered by two eminent experts, Mr. Keyur Chawda, Education Manager at Sopan Infotech, and Mr. Vikas Devganiya, Senior Application Engineer at SIED, who shared their industry experience and practical insights on SOLIDWORKS with the students. It was coordinated by **Dr. Chirag Desai**, Assistant Professor, Mechanical Engineering Department, under the mentorship of Dr. Niraj Shah, Dean, School of Engineering, P P Savani University, with Dr. Rakesh Kumar, Assistant Professor, Mechanical Engineering Department, serving as Academic Coordinator. We sincerely thank the speakers and the organising team for a session that connected classroom learning with industry practice.



TECH वृतम्

2026

SEPTEMBER 2026

Faculty Participation



This highlights
the active participation of
our esteemed faculty members
in **TechVruttam 2026**,
showcasing their invaluable
contributions, mentorship, and
support in
making the event a success.



Dr. Pratima Upadhyay, Assistant Professor, Computer Engineering Department, has successfully participated & completed the **FDP titled "Emerging Technologies Training Program"** conducted by BRACT's Vishwakarma Institute of Technology, Pune, in collaboration with C-DAC Pune", held from 3rd August 2026 -7th August 2026.

Dr. Pratima Upadhyay, Assistant Professor, Computer Engineering Department, has successfully participated & completed the workshop titled "**One Week Online Faculty Development Program (FDP) on "Scalable Intelligence: AI Applications and Cloud Computing for Next Generation Systems",** organized by the Department of Information Technology at Vishwakarma Institute of Technology, Pune, in collaboration with the IEEE Pune Section and IEEE Computer Society Pune Chapter. held from 24th August 2026 -28th August 2026.

Dr. Thomas Victor M, Associate Professor in the Department of Mechanical Engineering, School of Engineering, P P Savani University, Surat, for completing a Coursera specialization and several industry-oriented professional courses. He also took part in two faculty development events. His efforts reflect his commitment to continuous learning and academic excellence.

🏅 **Specialization Completed**

SOLIDWORKS 3D CAD for Education (authorized by Dassault Systèmes): Dr. Thomas completed this specialization of five courses through Coursera. It strengthened his expertise in advanced 3D CAD modelling, sketching techniques, feature creation, assembly design, and industry-standard engineering practices. The courses were:

- SOLIDWORKS Foundations: Sketching and Extrusion
- SOLIDWORKS Revolution and Cut Features
- SOLIDWORKS Feature Patterns and Sweeps
- SOLIDWORKS Advanced Sketching and Reference Geometry
- SOLIDWORKS Assemblies and Exam-Level Part Modelling

📚 **Professional Certification Courses**

- **Material Processing** (authorized by Georgia Institute of Technology)
- **Foundations in Heavy Industry Production** (authorized by L&T EduTech)
- **Product Development using AutoCAD** (authorized by Coursera Project Network)

🗓️ **Events Attended**

- **Five-day Online Faculty Development Programme on "The Power of Generative AI in Research and Education"** (15th April 2025 to 19th April 2025): organized by the School of Liberal Arts and Management Studies, P P Savani University, Kosamba, Surat.
- **Two-day Workshop on "NAAC & NBA Accreditation: Process and Documentation"** (9th January 2026 to 10th January 2026): organized by the School of Engineering, P P Savani University, and conducted by GUJCOST.

Mr. Ankur N. Shah of the Department of Computer Engineering, School of Engineering, P P Savani University, for his active participation in a series of webinars, workshops, and training programmes. His engagement with emerging technologies such as AI and his commitment to upskilling reflect the culture of continuous learning at our institution.

📚 **Programmes and Courses**

- **Webinar: "The Human-AI Partnership: Building a Connected, Empowered, & Effortless CX"** (2nd July 2026): Mr. Shah participated in this online webinar, which focused on building stronger customer experiences through better collaboration between humans and AI.
- **Webinar: "Zoom Ahead APAC 2026"** (20th August 2026): Mr. Shah participated in this online webinar, which explored how Zoom AI helps automate routine, time-consuming work.
- **Workshop: "AI Tools & Claude"** (23rd August 2026): Mr. Shah participated in this online workshop.
- **LinkedIn Learning Course: "Learning SQL Programming"**: Mr. Shah completed this 1-hour 48-minute course, which provided an overview of SQL fundamentals and basic SQL programming concepts.
- **Innovation Ambassador (IA) Training, Foundation Level**: Mr. Shah successfully completed this training, comprising 16 sessions and 30 contact hours. It was conducted in online mode by the Ministry of Education's (MoE) Innovation Cell and AICTE.

Dr. Ritesh G Upadhyay, Assistant Professor, has completed the **NEP 2020 Orientation & Sensitization Programme** under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) organized by UGC-Malaviya Mission Teacher Training Centre, National Institute of Educational Planning and Administration, New Delhi in collaboration with Pithapur Rajah's Government College (Autonomous), Kakinada, Andhra Pradesh from 29th June 2026 to 7th July, 2026.

Ms. Subhi Kumari, Assistant Professor, has completed the **NEP 2020 Orientation & Sensitization Programme** under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) organized by UGC-Malaviya Mission Teacher Training Centre, National Institute of Educational Planning and Administration, New Delhi in collaboration with Pithapur Rajah's Government College (Autonomous), Kakinada, Andhra Pradesh from 29th June 2026 to 7th July, 2026.

Dr. Anand Kumar Gupta, Associate Professor, has completed the **NEP 2020 Orientation & Sensitization Programme** under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) organized by UGC-Malaviya Mission Teacher Training Centre, National Institute of Educational Planning and Administration, New Delhi in collaboration with Pithapur Rajah's Government College (Autonomous), Kakinada, Andhra Pradesh from 29 June 2026 to 7 July2026.

Dr. Harish Chandra Mohanta, Professor, for his active participation in several professional development programmes during June and July 2026. His commitment to continuous learning reflects the spirit of academic excellence at our institution.

📚 **Programmes Completed**

- **NEP 2020 Orientation & Sensitization Programme** (29th June 2026 to 7th July 2026): Dr. Mohanta completed this programme under the Malaviya Mission Teacher Training Programme (MMTTP) of the University Grants Commission (UGC). It was organized by the UGC-Malaviya Mission Teacher Training Centre, National Institute of Educational Planning and Administration, New Delhi, in collaboration with Pithapur Rajah's Government College (Autonomous), Kakinada, Andhra Pradesh.
- **Faculty Development Programme on "Digital Wellness"** (24th June 2026 to 25th June 2026): Dr. Mohanta participated in this two-day programme organized by P P Savani University and Brahma Kumaris.
- **National Intellectual Property Awareness Mission Phase I – PCT Program for Innovators in India** (23rd June 2026): Dr. Mohanta successfully participated in this programme organized by the World Intellectual Property Organization (WIPO) and the Office of the Controller General of Patents, Designs & Trademarks, India.

Mrs. Meenakshi Kashyap, Assistant Professor School of Engineering, P P Savani University has successfully completed the following courses on Coursera:

- **Maximize Productivity With AI Tools** (Google): 23rd March 2026
- **IoT Enabled Farming (EDUCBA)**: 18th June 2026
- **Cadence Design Systems: Essential Guide** (Coursera, Starweaver Instructor Team): 24th June 2026
- **AI For Everyone** (DeepLearning.AI): 24th June 2026
- **IoT Devices** (University of Illinois Urbana-Champaign): 26th June 2026
- **Foundations of Industrial IoT Devices, Data Flow, & Security** (Packt): 26th June 2026
- **Designing and Building Industrial IoT Platform**s (Packt): 26th June 2026
- **Cloud Integration and Advanced Analytics for Industrial Io**T (Packt): 26th June 2026

She has also successfully completed the specialization Hands-On Industrial Internet of Things (Packt) on 26th June 2026, which includes the last three Packt courses listed above.

Ms. Kamini Sharma, Assistant Professor, School of Engineering, P P Savani University participated in **two-week International Faculty Development Programme (IFDP) on "Intellectual Property Rights in the Digital and AI Era"** conducted by the Intellectual Property Rights (IPR) Cell, V.S.S.D. College, Kanpur, Uttar Pradesh from 31st July 2026 to 12th August2026.

TECH वृतम्

RESEARCH ERUDITE

Research Erudite celebrates research, innovation and academic excellence at P. P. Savani University.



Dr. M. Thomas Victor Associate Professor, Department of Mechanical Engineering, P P Savani University, am pleased to inform you that he has published two patents during 2026 as listed below :

- Registered and granted a Design Patent under the Government of India with Title "HYBRID RENEWABLE ENERGY-POWERED AI BASED TRAFFIC SIGNAL APPARATUS" on 18th December 2026
- Registered and granted a design patent under the Government of India with Title "BLOCKCHAIN-BASED ELECTRONIC HEALTH RECORD DEVICE" on 20th May 2026

Dr. M. Thomas Victor, Associate Professor, Department of Mechanical Engineering, P P Savani University, am pleased to inform you that he has published two research papers in internationally recognized journals during 2026 as listed below :

- **"Comparative Interface Engineering of Similar and Dissimilar Magnesium Alloy Welds: Process–Microstructure–Property Relationships, Challenges, and Applications,"** was published in Welding in the World, Springer Nature, on 22nd August 2026, with me serving as the Corresponding Author. The paper provides a comprehensive review of welding processes, microstructural evolution, interface characteristics, mechanical properties, challenges, and applications of magnesium alloy joints. DOI: 10.1007/s40194-026-02596-8.

- **"A Multi-Criteria Decision-Making and Machine Learning Approach to Predict the Tribological Behavior of Microwave-Sintered Ti-0.8Ni–0.3Mo/X wt.% TiB Composites,"** was published online in the Journal of Mechanical Engineering Science, SAGE, on 8th March 2026, with me serving as Co-author. The study integrates multi-criteria decision-making and machine learning techniques to predict the tribological behavior of titanium-based TiB composites, contributing to advancements in materials engineering and tribological research. DOI: 10.1177/09544062261473015. These publications reflect continued research contributions in the areas of advanced welding, materials engineering, composite materials, tribology, and intelligent engineering applications.

- **Presented a research paper titled: "Eco-Friendly and Ergonomic Development of Palmyra Seed Cutting Equipment for Rural Industries"** at the 4th International Conference on Sustainable Multidisciplinary Artificial Intelligence Research for Global Transformations, conducted in online mode on 22nd November 2025 by Konnifel Research Innovation.

- **Presented a research paper entitled "A STUDY ON WEAR BEHAVIOUR OF MAGNESIUM ALLOY REINFORCED WITH AL2O3 AND MOS2."** in the "2nd International Conference On Academic And Industrial Innovations in Engineering (ICAIIE - 2026)", organized by School of Engineering, P P Savani University, Surat, Gujarat, India during 30th January 2026 and 31st January 2026.

Ms. Zarana Gajjar has published a paper on **"Deep Learning in Modern Healthcare: A Comprehensive Review of Applications, Challenges and Future Directions"** in IEEE 7th International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA), July 2026, ISBN: 979-8-3315-6162-8.

Dr. Pratima Upadhyay has published a paper on **"A Cross Modal Framework for Insider Threat Detection through Work-Rest Graph Neural Networks and Retrieval-Augmented Generation Model"** in 5th International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), INDIA.

Dr. Pratima Upadhyay has published a book on **"Machine Learning Techniques for Intrusion Detection Systems".**

Dr. Pratima Upadhyay has presented a paper on **"My research paper, "Detection and Mitigation Approach for Co-Resident Attack in Cloud Computing Environment"**, under Paper ID: 297.

Ms. Kamini Sharma ,Assistant Professor, School of Engineering, presented a research paper on **"Efficient and Secure Authentication for IoT and Cloud Server"** at the 2nd IEEE International Conference on Next Generation Communication & Information Processing (INCIP 2026), organized by the Department of Electronics and Communication Engineering, School of Engineering, Central University of Karnataka, Kalaburagi, Karnataka, India, held on 20th August –21st August 2026.

TECH वृतम्

2026

SEPTEMBER 2026

Faculty Achievement





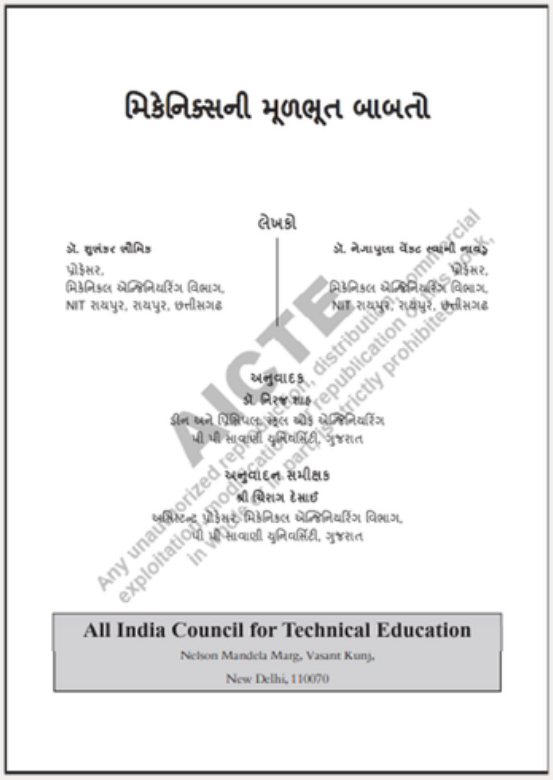
This section highlights the remarkable achievements of our esteemed faculty members, recognizing their contribution to research, innovation, publications, awards, and overall academic excellence in **Tech Vrttam 2026.**

Awards & Honours | Research & Publications | Innovation & Projects | Academic Leadership



Dr. Niraj Shah, Dean, School of Engineering, P P Savani University, contributed to **NEP 2020's vision of multilingual technical education** by translating the AICTE textbook **"Bascis of Mechanics"** into Gujarati. The publication promotes accessible technical education in Indian languages. **Dr. Chirag Desai** served as the translation reviewer.





Mr. Ankur N. Shah, Department of Computer Engineering, School of Engineering, P P Savani University, was invited to serve as a **Reviewer for the Sigma Journal of Engineering and Natural Sciences** (E-ISSN: 1304-7205), **a Scopus-indexed journal**. He successfully completed the peer review of the assigned research paper.

Mr. Ankur N. Shah, Department of Computer Engineering, School of Engineering, P P Savani University, was appointed as a **Reviewer for the International Reviewer Board of Aethel Research Digest Juncture** (ARDJIJ) (ISSN Online: 3139-1672). He received an official confirmation of his appointment and was invited to contribute to the peer-review process.

Mr. Ankur N. Shah, Department of Computer Engineering, School of Engineering, P P Savani University, served as a **Jury Member for PPSU Internal Hackathon 2026** – SIH 2026. He evaluated student teams and provided valuable feedback to support the development of innovative and impactful solutions.

Mr. Sadik Lakhani, Department of Computer Engineering / Information Technology, School of Engineering, P P Savani University, served as a **Jury Member for PPSU Internal Hackathon 2026** – SIH 2026. He evaluated student teams and provided valuable feedback to support the development of innovative and impactful solutions.

Dr. Pratima Upadhyay and her team from the CE/IT Engineering Department, School of Engineering, P P Savani University, have successfully filed one Design Patent and one Utility Patent on behalf of P P Savani University. The patents were filed with the valuable support, guidance, and coordination of Dr. Niraj Shah, Dean, School of Engineering; Dr. Chirag Desai; and Dr. Bindesh Sir, Registrar, P P Savani University. The team gratefully acknowledges their valuable contributions, guidance, and institutional support throughout the patent filing process. One of the patents filed by the team is titled **"AI-Powered Smart Waste Segregation System,"** bearing Application Number 517975-001, filed through the IPR Office, India.

This achievement reflects the university's commitment to promoting innovation, intellectual property creation, research, and technology-driven solutions through its faculty and academic community.

Dr. Pratima Upadhyay of Computer Engineering / Information Technology Department, School of Engineering at P P Savani University to be appointed as a **Member** of **the International Review Board of Aethel Research Digest Juncture: An International Journal.**

Dr. Pratima Upadhyay of the Computer Engineering / Information Technology Department, School of Engineering at P P Savani University received a membership of **WRU (WORLD RESEARCH UNION).**

Dr. Pratima Upadhyay of the Computer Engineering/Information Technology Department, School of Engineering at PP Savani University, contributed as a reviewer in the **SN Computer Science Springer Nature Journal, India.**

Dr. Pratima Upadhyay of the Computer Engineering/Information Technology Department, School of Engineering at PP Savani University, contributed as a reviewer in the **Bentham Science Journal, India.**

Dr. Pratima Upadhyay of the Computer Engineering/Information Technology Department, School of Engineering at PP Savani University, contributed as a reviewer in the **Octavian-Sergiu Barbos (ISSN 2994 - 7065).**

Dr. Pratima Upadhyay of the Computer Engineering/Information TechnologyDepartment, School of Engineering at PP Savani University, contributed as a reviewer in the **IEEE CONFERENCE (ICETICS) 2026, India.**

Dr. Pratima Upadhyay of the Computer Engineering/Information Technology Department, School of Engineering at PP Savani University, contributed as a reviewer in the **IEEE CONFERENCE (ISmartComp2026), India.**

Ms. Kamini Sharma of the School of Engineering, P P Savani University, for her valuable contribution to the academic community as a reviewer and programme committee member at three international conferences in 2026. Her service helps maintain the quality of research presented at these forums and reflects the standing of our institution in the wider academic world.

📚 Conference Contributions

- 1st International Conference on Intelligent Computing and Automation for Sustainable Solutions (ICASS-2026) (12th February 2026 to 13th February 2026): Ms. Sharma served as a Reviewer for this IEEE conference (Conference Record #69550), organized by the School of Engineering, Manav Rachna University.

- 4th International Conference on Artificial Intelligence: Theory and Applications (AITA 2026) (7th August 2026 to 8th August 2026): Ms. Sharma served as a Programme Committee Member and Reviewer for this conference, organized by IBS Bangalore, Off-Campus Center of IFHE University, Bangalore.

- 2nd International Conference on Next-Gen Wireless Communication and Emerging Technology (ICNGWCET) (11th September 2026 to 12th September 2026): Ms. Sharma served as a Reviewer for this IEEE conference (Conference Record No. 70105), held at IIMT College of Engineering, Greater Noida.

TECH वृतम्

15 ENGINEERS' DAY

SEPTEMBER

HONOURING VISIONARIES
BUILDING A BETTER TOMORROW



Build
Design
Innovate

Design
Build
Innovate
Sustain

SALUTING THE

Engineers Behind Progress





On Engineers' Day, we celebrate the vision, innovation and dedication of all engineers who turn ideas into reality and build a stronger, smarter and sustainable future.

Happy Engineers' Day!

- Problem Solving
- Innovation
- Teamwork
- Safety & Sustainability
- Building the Future





Engineers
Make
Tomorrow

ENGINEER'S DAY CELEBRATION 2026 AT P P SAVANI UNIVERSITY

P P Savani University celebrated Engineer's Day 2026 on 23 September 2026 with a grand campus-wide event honouring the visionary engineer and statesman Sir M. Visvesvaraya. Jointly organised by the School of Engineering, the Institute of Computer Science & Application, and the Institute of Diploma Studies under the theme "Innovation Today | A Stronger Tomorrow," the celebration drew more than 3,700 students who took part in 32 events. The programme featured 26 technical events across Computer Engineering, Information Technology, Data Science, Machine Learning, Cyber Security, Chemical, Civil, Electronics & Communication, and Mechanical Engineering. These ranged from coding and debugging challenges such as Bug Hunt, Code Detective, and Code Break to cybersecurity competitions like Cyber Clash and Operation: Digital Breach, and AI-driven contests including Promptocalypse and Technovation War 3.0. Hands-on engineering contests such as Chemo-Car, Chem-Rocket, Simulation Hunt, Lathe War, Robo Weight Lift, and the Blindfold Construction Challenge tested students' practical skills. Six non-technical events, including Canvas Chronicles, Reel and Vlog Making, Tug of War, Box Cricket, and a BGMI Tournament, added creativity and sporting spirit to the day. The event was held under the patronage of Dr. Parag Sanghani, Provost, and Dr. Niraj Shah, Dean and Director, P P Savani School of Engineering. It was led by the Technical Event Committee under Mr. Kaushal Singh, along with dedicated faculty and student coordinators. The celebration offered students a vibrant platform to showcase innovation, teamwork, and problem-solving, reaffirming the university's commitment to nurturing engineers who will build a better tomorrow

CAMPUS MOMENTS

INAUGURATION



INTERACTION



HANDS-ON LEARNING



CAMPUS MOMENTS



NON-TECH



HANDS-ON LEARNING



2026

SCHOOL OF ENGINEERING

Celebration at SOE



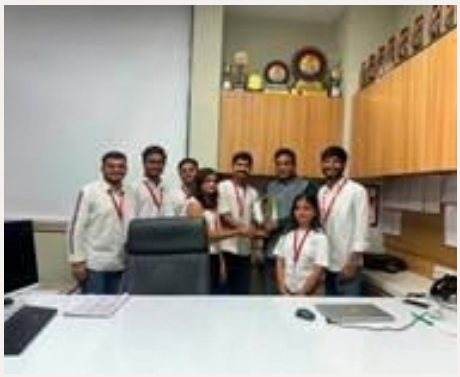


Celebrating achievements, inspiring innovation, and creating memorable moments across the School of Engineering.



Guru Purnima Celebration

P P Savani University's School of Engineering celebrated Guru Purnima on 29th July 2026 at the University Campus. Students visited faculty cabins and offices to felicitate their teachers and the Dean with flowers, expressing heartfelt gratitude for their guidance and support. The celebration reaffirmed the timeless Guru–Shishya tradition of respect and devotion.





Kanwar Yatra – Shivotsav Celebration

As part of Shivotsav 2026, the Cultural Committee organized the Kanwar Yatra on 25th August 2026 from 12:30 PM to 3:00 PM, proceeding from the C-Building Admin to the I-Building Garden Area. Students in traditional attire carried decorated kanwars in a devotional procession, followed by the Mahamrityunjay Abhishek on the 12 Jyotirlingas.




Janmashtami Celebration – Krishna Janmotsav

P P Savani University's School of Engineering celebrated Janmashtami as part of Krishna Janmotsav '26 on 1st and 2nd September 2026 at the University Campus. Students participated in Group Dance, Vrindavan Walk, Poster Presentation, and Matki Decoration, dressed as Krishna, Radha, and Gopikas, spreading devotion and cultural festivity across campus.







Teacher's Day Celebration

P P Savani University celebrated Teacher's Day on 3rd September 2026 from 9:15 AM onwards at the H-Building Open Space, 6th Floor. Students honored faculty with flowers, tilak, songs, and heartfelt speeches, followed by a cake-cutting ceremony led by the Dean and senior faculty members.







SOE Aarti – Ganesh Chaturthi Celebration

The Student Cultural Committee organized the SOE Aarti on 18th September 2026 at the Ganesh Pandal, I-Building, celebrating Ganesh Chaturthi under the theme “PPSU Cha Raja.” Students and faculty gathered to offer prasad and perform the collective Aarti, celebrating devotion and unity across the campus.





TECH वृतम्

2026

SEPTEMBER 2026



Students' Thinks

This section showcases the innovative ideas, creative thinking, and unique perspectives of our students, highlighting their thoughts, experiences, aspirations, and insights that inspire learning, encourage innovation, and contribute to the vibrant academic culture of Tech Vrutam 2026.





Awards & Honours | Research & Publications | Innovation & Projects | Academic Leadership





Dhruvi

Name
Dhruvi Malankiya

Course
B.Tech - Computer Engineering

Enrollment Number
23SE02CE056

> सफलता किसी एक नाम या पहचान से नहीं होती, यह लगातार इतनी विशाल और असीम है कि इसके सामने आस्तिकता, नास्तिकता, ईश्वर का होना या न होना — ये सभी सवाल कहीं न कहीं बहुत सूक्ष्म हो जाते हैं।

ख़्वाब-ए-इश्क़

तेरी एक झलक मेरे दिल को गुमराह करती,
तन्हाइयाँ भी ख़ुद में इश्क़ की महक भरती।

तुमसे हर रोज़ ख़्वाबों में मिलना, मानो
सितारों के बीच चन्द्रमा-सा खिलना।

मीठी यादें तेरी हर रोज़ सताती,
पलकों तुझे ईद-गिर्द सहलाती,
सारी रात ख़्वाबों में जगाती,
हर राह मेरी तुमसे ही मिलाती।

तुम्हें निहारना सबसे ख़ूबसूरत एहसास है,
नज़रों से तुम्हें चुराने को दिल बेकरार है।

तुम्हें निहारते ही मेरे पल थम-से गए,
नज़रें मिलते ही मेरे नयन झुकते गए।

तेरी मुस्कुराहट देखी, तो लगा जैसे मरहम-ए-इश्क़,
तेरी गुनगुनाहट मिली, तो लगा जैसे जश्न-ए-इश्क़।

PPSU
P P SAVANI UNIVERSITY

NAAC ACCREDITED A+ GRADE

School of Engineering

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President,
P P Savani University



PATRON

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