

Organizing

Two day Workshop on

ARTIFICIAL INTELLIGENCE IN PHARMACY: FROM FUNDAMENTALS TO HANDS- ON APPLICATIONS IN TEACHING, RESEARCH AND DRUG DEVELOPMENT

in Collaboration with

BV Patel Education Foundation, Ahmedabad



09th to 10th Oct, 2026



Parul College of Pharmacy and Research

LIMITED SEATS 25

About Parul University

With a legacy of 3 decades in higher education, Parul University has emerged as one of India's leading institutions fueling innovation, fostering research, advancing industries and furthering internationalisation. Designated as a Centre of Excellence by the Government of Gujarat and holding a record among the top 1.8% universities in India to hold a NAAC A++ accreditation, the University has become an epitome of excellence in Gujarat and across India. Furthering its record of excellence in higher education, the University holds a notable rank among the Top 50 Institutions in India for Innovation by **NIRF 2025**, consecutively for 4 years and is ranked among the Top 150 Universities in India. With a community of over **70,500+ students**, and **6000+ international students from 75+ countries**, the University is positioned as one of India's leading education destinations with national and global diversities.

With the goal of providing the highest form of excellence in higher education, the University has ensured the full alignment of its academics with NEP 2020, offering the most holistic and interdisciplinary learning across 200+ programs in leading faculties. Within the **250 Acre Campus**, the University has developed the most unique and eco-friendly community, equipped with leading facilities for advancing academic pursuits such as the micro-nano technology lab, with funding from the Industrial Commissionerate, GoG, the NABL accredited Environment Lab, AICTE supported Idea lab and drone lab, the centre for future skills in collaboration with the National Skill Development Centre, "Pragya" a medical skills and simulation centre, a **1100+ bedded teaching hospital** among others. As a result of the University's distinct mark of excellence the University has been rated with a diamond rating in the **2025 QS I-GAUGE Ratings**, a unique recognition of the University's progressive milestones of quality education.

About Faculty of Pharmacy

The **Faculty of Pharmacy, Parul University**, stands among India's prominent centres for pharmaceutical education and research, committed to nurturing competent healthcare professionals, innovative researchers, and future-ready leaders for the rapidly evolving pharmaceutical and healthcare sectors. With a vision to integrate **academic excellence, cutting-edge research, innovation, and meaningful industry collaboration**, the Faculty has evolved into a vibrant academic ecosystem that connects the foundations of pharmaceutical sciences with emerging technologies and contemporary healthcare needs.

Comprising **six constituent institutes**, the faculty offers a comprehensive spectrum of academic programmes at the **Diploma, Undergraduate, Postgraduate, and Doctoral levels**. Its institutes are supported by state-of-the-art infrastructure, sophisticated laboratories equipped with advanced analytical, formulation, and research instruments providing an enabling environment for experiential learning, translational research, and multidisciplinary innovation.

The Faculty places strong emphasis on **research-driven education, industry engagement, entrepreneurship, and skill development**, enabling students and researchers to translate scientific knowledge into meaningful solutions for healthcare and society. Through its integrated approach to education, research, innovation, and professional development, the Faculty continues to contribute to the advancement of pharmaceutical sciences while preparing graduates to meet the evolving demands of the global healthcare landscape. The Faculty is also engaged in delivering impactful upskilling programs to shop floor employees of industries to ensure first time right approach.

About Parul college of Pharmacy and Research (PCPR)

Parul College of Pharmacy and Research (PCPR), established in 2022 under the Faculty of Pharmacy, Parul University, is committed to excellence in pharmaceutical education, research, innovation, and professional development. The institute offers B. Pharm., M. Pharm. and Pharm. D. programs, approved by the Pharmacy Council of India (PCI). PCPR provides a vibrant academic environment supported by experienced faculty, modern learning facilities, and strong industry-academia interaction. Through expert lectures, hands-on training, industrial exposure, mentoring, counselling, and placement support, PCPR strives to develop competent, ethical, and industry-ready pharmacy professionals. The institute continues to foster a culture of continuous learning, innovation, and academic excellence, contributing meaningfully to the advancement of pharmaceutical education and healthcare.

About BV Patel Education Foundation

BV Patel Education Foundation (formerly known as Shri Bhupendra V. Patel Education Foundation and earlier known as Shri B.V. Patel Education Trust), is named after the First Drug Controller of Gujarat State Shri Bhupendrabhai V. Patel. Vision and Mission of the Foundation are to organize and conduct educational programs in the field of pharmacy and allied sciences and to support pharma industry and academia with skilled manpower, scientists, technocrats and management professionals. To achieve this aim, the Foundation organizes Hands on Training Workshops, Faculty Development Programmes, Technician Development Programmes with various Universities, Colleges, Private Laboratories, Companies and institutions across India. The Foundation also conducts Certificate Courses for pharma and allied science graduates to prepare them for industry oriented skilled human resources. The Foundation is also working to come up with innovative programmes to support students and promote educational activities across India in healthcare.

For details, **visit: www.bvpedufoundation.com (www.bvpedutrust.com), (M) 9106848562**

About the Workshop

The Two-Day Hands-on Faculty Development Workshop on “Artificial Intelligence in Pharmacy: From Fundamentals to Hands-on Applications in Teaching, Research, and Drug Development” is designed to equip pharmacy faculty with practical AI and digital skills. The workshop will cover Generative AI, prompt engineering, AI-assisted teaching and assessment, scientific writing, pharmaceutical research, Python, data analysis, visualization, and responsible use of AI. With a strong emphasis on Hands-on Training, participants will gain practical competencies aligned with B. Pharm. education, NEP 2020 and Outcome-Based Education (OBE).

Expected Outcomes

By the end of the workshop, participants will be able to:

- Understand and apply the fundamentals of Artificial Intelligence and prompt engineering in pharmacy education and research.
- Develop AI-assisted teaching and learning resources for B. Pharm. education aligned with NEP 2020 and Outcome-Based Education.
- Use AI tools for academic assessment and in scientific writing and pharmaceutical research.
- Use basic Python and data-analysis tools for pharmaceutical and clinical research datasets.
- Critically evaluate AI-generated information for scientific accuracy, academic integrity and ethical use.
- Enhance teaching effectiveness, research productivity, and digital competency through practical AI-enabled approaches.

EXPERT

Dr. Anwar R. Shaikh

Professor and HOD,
Allana College of Pharmacy,
Pune



REGISTRATION DETAILS

Type of Participants Registration : **Academician**

Registration Fees (Rs) : **1000/-**

Scan to Register



LAST DATE OF REGISTRATION : 06/10/2026

Scan to Pay



09th to 10th Oct,
2026



Parul College of
Pharmacy and Research



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Programme Schedule

Day 1: Date: 09/10/2026

Time	Details	Topic / Activity
08:00–08:30 AM	Registration	Welcome, Kit Distribution and Breakfast
08:30–09:00 AM	Inauguration	Inauguration, Workshop introduction and pre-test
09:00–10:00 AM	Session 1- Generative AI for B. Pharm.	Introduction to Generative AI
10:00 –12:30 PM	Session 2 – Hands-on Training on Introduction to Generative AI and Prompt Engineering for Pharmacy Faculty	Generative AI for B. Pharm. Teaching: AI fundamentals, prompt engineering, lesson plans, learning outcomes, teaching material and student-centric activities aligned with B. Pharm./NEP 2020 and OBE
12:30–01:00 PM	Lunch Break	
01:00–02:00 PM	Session 3-AI-Enabled Assessment and Academic Productivity	Overview of AI applications in assessment design, question paper development, Bloom's Taxonomy, CO-PO mapping, rubrics and academic content development.
02:00–04:30 PM	Session 4 – Hands-on Training on AI for Assessment & Academic Productivity	MCQs, case studies, assignments, question papers, Bloom's Taxonomy, CO-PO mapping, rubrics, practical manuals, presentations and remedial teaching material using AI
04:30–05:00 PM	Evening Refreshment & Interaction	



Programme Schedule

Day 2: Date: 10/10/2026

Time	Details	Topic / Activity
08:00–08:30 AM	Breakfast	
08:30–09:30 AM	Session 5–Introduction to Python for B. Pharm. Teaching and Research	Fundamentals of Python programming and its applications in pharmaceutical data handling, calculations and research.
09:30–12:30 PM	Session 6 – Hands-on Training on Python	Python for B. Pharm. Teachers & for Research: Hands-on Training – Introduction to Python and its applications in pharmaceutical and clinical research
12:30–01:00 PM	Lunch Break	
01:00–02:00 PM	Session 7–AI-Powered Research Data Analytics Using Python	Introduction to Python– and AI-enabled approaches for data cleaning, descriptive statistics, visualization, basic correlation/regression, code generation and troubleshooting, and interpretation of research data.
02:00–04:00 PM	Session 8 – Hands-on Training Python + AI for Research Data Analysis	Python + AI for Research Data Analysis: Data cleaning, descriptive statistics, visualization, graphs, basic correlation/regression, AI-assisted code generation/troubleshooting and data interpretation
04:00–04:30 PM	Post-Test & Valedictory	Post-test, participant feedback and certificate distribution
04:30–05:00 PM	Evening Refreshment & Interaction	Tea/refreshments, feedback and networking

Convener

Dr. Rajesh K. S.
Dean, Faculty of Pharmacy,
Parul University

Co-convener

Dr. Anuradha Mishra
Associate Dean, Faculty of Pharmacy,
Parul University

Course Director

Dr. Vandana B. Patel
Principal, Parul College of
Pharmacy and Research

Dr. Neeta Shrivastava,
BV Patel Education Foundation

Co-ordinators

Dr. Krishna Vaghela | ☎ 8758534456

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