



GUJARAT TECHNOLOGICAL UNIVERSITY CENTRE FOR CONTINUING EDUCATION (GTU-CCE)

CERTIFIED

SHORT TERM CERTIFICATE COURSE ON

Artificial Intelligence & Machine Learning in Pharmaceutical Science

(After the successful completion of Batch 1, Now coming with Batch 2)

Organized by

ANAND PHARMACY COLLEGE

(An Autonomous Institute under UGC Regulations 2023)

Accredited by NAAC A+, CGPA 3.38

(Managed by Shri Ramkrishna Seva Mandal)

GTU approved training in AI & ML for faculties as per the circular
GTU/Academic/AI-Certification2025/7889; dated 13/10/2025



Course Details

COURSE FEE: Student/ faculty / pharma professional: INR 2000/-

COURSE DURATION: 45 hours

MODE OF SESSION: Hybrid Mode (Online & Offline)

SESSION SCHEDULE: Saturday & Sunday Only

ATTENDANCE & EXAMINATION: Minimum 80% attendance is mandatory;

Evaluation will be out of 100 marks (External-GTU: 60, Internal-Institute: 40).

Eligibility Criteria

Academician/ Professional, PhD Scholar/ U.G. Professional	Researcher, Scholar / P. G. Scholar / Any	Industry Research Pharmacy
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Registration Link

<https://forms.gle/YoBBzLCopziVpWPM6>

LAST DATE OF REGISTRATION: 13/06/2026
TENTATIVE STARTING DATE: 04/07/2026

Payment Details

NAME OF THE BANK: UNION BANK OF INDIA
NAME OF THE ACCOUNT HOLDER:
ANAND PHARMACY COLLEGE

ACCOUNT NO: 356702010017281
IFSC CODE: UBIN0535672

For any Query Contact: Mr. Brijesh Thakkar (brijeshthakkar97@gmail.com 8866242806)

ABOUT SHRI RAMKRISHNA SEVA MANDAL

Late Shri G. S. Patel, also known as Vakil Saheb, established Shri Ramkrishna Seva Mandal with the motto of "Bahujan Hitay, Bahujan Sukhay" on August 15, 1954, adopting the principle of Shri Ramkrishna Paramhans and his ardent disciple Swami- Vivekanand. In the past 69 years, SRKSM has reached three significant milestones. First milestone was establishment of Matrumangalam family welfare center, Orthopaedic Hospital, Centre for Maternity and Gynaecological Services, and Anand Hospital equipped with the most up-to-date equipment and ambulance services in the Anand and nearby areas. The second milestone was the founding of Anand Arts College in 1963, which marked its footprints in the area of education followed by various grant-in-aid institutions. Also, to support the elderly and those in need, SRKSM established Anand Dham in Lambhvel with contemporary amenities and infrastructure. The third milestone was achieved with the establishment of first SRKSM self-financed Institute, Anand Pharmacy College in 1998. Since then, numerous graduate and postgraduate institutions were established of which majority are accredited. The trust today has cutting edge teaching and learning systems, contemporary infrastructure, and facilities with around 27 institutes and more than 20,000 students, teachers, and support staff.

ABOUT ANAND PHARMACY COLLEGE

Anand Pharmacy College (APC), established in 1998 managed by Shri Ramkrishna Seva Mandal (SRKSM), is an autonomous college affiliated with Gujarat Technological University. The institute is re-accredited by NAAC-UGC in third cycle with "A+" Grade, CGPA: 3.38 and by NBA-AICTE for B. Pharm course (2014-2022). The institute offers Pharmacy Council of India approved courses; B. Pharm, Pharm D., Doctor of Pharmacy (Post-baccalaureate), M. Pharm in Pharmaceutics, Pharmacology, Pharmaceutical Quality Assurance, Regulatory Affairs, Pharmaceutical Analysis and Pharmaceutical Technology. It also has Gujarat Technological University approved Ph.D. research center in Pharmaceutics specialization. The institute has state-of-the-art academic and research facilities including centers of Cell line study, Cellular and molecular pharmacology, NDDS and Bioanalytical. It also has an Adverse drug reactions monitoring center approved by the Pharmacovigilance program of India, Indian Pharmaceutical Commission. The innovation ecosystem is strengthened under established Pre-incubation center, which leads to successful proof of concepts, granted patents and quality publications. APC focuses on providing quality pharmacy education, preparing students for global leadership roles. Continuous efforts for overall development of students by encouraging participation in co-curricular, extra-curricular, and extension activities succeeded in academic achievements and research awards.

About Gujarat Technological University

Gujarat Technological University is a premier academic & research institution which has driven new ways of thinking since its 2007 founding, established by the Government of Gujarat vide Gujarat Act NO. 20 of 2007. Today, GTU is an intellectual destination that draws inspired scholars to its campus, keeping GTU at the nexus of ideas that challenge and change the world. GTU is a State University with 486 affiliated colleges in its fold operating across the state of Gujarat through its Five zones at Ahmedabad, Gandhinagar, Vallabh Vidyanagar, Rajkot and Surat. The University caters to the fields of Engineering, Architecture, Management, Pharmacy and Computer Science. The University has about 4,00,000 students enrolled in a large number of Diploma, Under Graduate, Post Graduate programs along with the robust Doctoral program.

Key Highlights (Topic-wise):

- Foundations of AI & ML:** Core concepts of AI, ML, and deep learning with relevance to pharmaceutical sciences and ethical considerations.
- Pharma Data Handling:** Collection, cleaning, preprocessing, transformation, and exploratory analysis of diverse pharmaceutical datasets.
- Machine Learning Techniques:** Supervised and unsupervised algorithms with appropriate model evaluation metrics.
- Predictive Pharma Applications:** AI/ML-driven prediction of drug efficacy, toxicity, ADRs, dosage optimization, and demand forecasting.
- Visualization & Decision Support:** Data visualization, dashboard design, and effective communication of AI/ML insights for pharmacists and clinicians

- Course Outcomes (COs)**
- CO1:** Understand ML fundamentals, neural networks, and evaluation metrics.
- CO2:** Develop and test ML models using standard tools and pharma datasets.
- CO3:** Apply AI/ML for drug discovery, ADMET prediction, and formulation optimization.
- CO4:** Validate models, interpret results using explainable AI, and design end-to-end workflows

- Course Objectives:**
- Introduce AI/ML fundamentals for pharmaceutical applications.
- Develop skills in building and evaluating ML models.
- Apply AI/ML in drug discovery, formulation, and ADMET studies.
- Understand validation, explainable AI, and regulatory relevance.

ORGANIZING COMMITTEE



Patron
Shri Hemantbhai Patel
President, SRKSM



Patron
Smt. Jyotsnaben Patel
Hon. Secretary, SRKSM



Convener & Coordinator
Dr. (Prof.) Tejal R. Gandhi
Principal, APC



Co-coordinator
Mr. Brijesh Thakkar
Assistant Professor, APC

Venue:

ANAND PHARMACY COLLEGE
(An Autonomous Institute under UGC Regulations 2023)
Managed By Shri Ramkrishna Seva Mandal
Opp– Towan Hall, Anand– 388 001
Website: www.apc.ac.in

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