

VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

ENIKEPADU, VIJAYAWADA

VISION FOR 2047

The vision of 2047 for pharmacy education in India, aligned with the **Viksit Bharat@2047** agenda, aims to transform the sector from a volume-based producer to a global innovation-led, self-reliant powerhouse. The policy emphasizes shifting from traditional, content-heavy education to outcome-based, interdisciplinary learning that fosters research, entrepreneurship, and 21st-century skills to make India a "Vishwaguru" in pharmaceutical innovation.

Key Pillars of the 2047 Pharmacy Education Vision:

- **Curriculum Redesign for Innovation:** Pharmacy curricula will be restructured to be interdisciplinary, integrating pharmacology with systems biology, AI, big data analytics, computational modeling, and green chemistry.
- **Industry-Academia Synergy:** Moving beyond, the policy focuses on co-owned and co-delivered models with industry, mandatory internships, and training in regulatory sciences, quality systems (QbD, cGMP), and data integrity.
- **Translational Research Focus:** Academic institutions are expected to become hubs for translational research—moving from conceptual science to deployable products—specifically in areas like biologics, advanced drug delivery systems, AMR (antimicrobial resistance), and rare diseases.
- **Implementation of NEP 2020:** Utilizing the National Education Policy 2020 framework to provide multiple entry/exit options, research-driven 4-year degrees, and creating Multidisciplinary Education and Research Universities (MERUs).

- **Entrepreneurship and Skill Development:** Developing "Pharma-preneurs" by creating incubation centers for student-led deep-tech ventures and fostering a startup culture.
- **Global Standards and Self-Reliance:** Training professionals to ensure the development of indigenous Active Pharmaceutical Ingredients (APIs) and Key Starting Materials (KSMs), reducing dependency on imports and enhancing global competitiveness.

Key Regulatory and Structural Changes:

- **Role of PCI:** The Pharmacy Council of India (PCI) is aligning professional curricula with national strategic objectives and fostering the integration of Bharatiya knowledge, languages, and arts.
- **Focus on Quality and Safety:** Ensuring that pharmacy graduates are trained to uphold high ethical standards and regulatory compliance to produce affordable, high-quality, and safe medicines.

The ultimate goal is to produce skilled, adaptable, and innovative pharmacy professionals who can lead in personalized medicine, digital health, and advanced therapeutics by 2047.