



NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH,
RAEBARELI
A Report

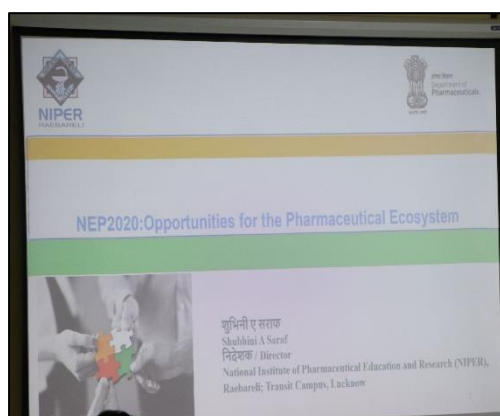
A Report on the Focus on Outcome-Based Education and Industry Integration: Key Highlights from the National Education Policy (NEP) 2020 Anniversary at NIPER Raebareli

On July 29, 2024, NIPER Raebareli proudly celebrated the 4th anniversary of the National Education Policy (NEP) 2020. Dr. Gopal L Khatik and Dr. Sapana Kushwaha organized the event. The event started with the address of our Director, **Prof. Shubhini A. Saraf**, and faculty members' active participation.

Prof. Saraf highlighted the transformative principles of NEP 2020, emphasizing its commitment to enhancing education and aligning it with Industry 4.0. She stressed the importance of integrating **Massive Open Online Courses (MOOCs)** to broaden learning avenues, along with a greater emphasis on **practical skill development** that ensures students are well-prepared for the demands of a rapidly changing industry landscape. Additionally, Prof. Saraf underscored the adoption of a **T/V-shaped skills approach**, which emphasizes both depth and breadth in education, to produce well-rounded, competent graduates.

A central theme of **Prof. Saraf's** address was the **shift towards outcome-based education**, a progressive framework aimed at enhancing student competencies by focusing on measurable learning outcomes rather than merely imparting theoretical knowledge. She stressed that this approach ensures students acquire information and develop practical skills and critical thinking abilities, making them more capable and industry-ready. Outcome-based education emphasizes clear, targeted learning objectives, allowing students to gauge their progress and ensuring they meet the standards necessary for professional success.





Prof. Shubhini A. Saraf addressing faculty at the NEP 2020 4th Anniversary Celebration at NIPER Raebareli, emphasizing the shift towards outcome-based education and practical skill integration.

Prof. Saraf highlighted how this educational model perfectly aligns with the evolving demands of modern industries, particularly in the pharmaceutical and healthcare sectors. She emphasized the importance of bridging the gap between academic knowledge and industry requirements, ensuring that students are not just learning but are also prepared to tackle real-world challenges upon graduation. In this context, Prof. Saraf drew attention to several **government initiatives** that align with NEP 2020's vision for fostering industry growth and innovation. These initiatives offer students opportunities to engage directly with practical, real-world challenges, providing an excellent platform for hands-on learning and career development. She mentioned key schemes, including:

- **The Production Linked Incentive (PLI) Scheme:** Designed to boost domestic manufacturing in the pharmaceutical and medical device sectors, this scheme provides incentives to companies that increase their production. By integrating knowledge of this initiative into the curriculum, students gain insights into how manufacturing growth is incentivized and how they can contribute to this expansion as future professionals.
- **The Scheme for Promotion of Medical Device Parks:** This initiative aims to develop world-class medical device manufacturing facilities in India, fostering innovation and technological advancements. Understanding the dynamics of this scheme helps students appreciate the crucial role medical devices play in healthcare and opens doors for those interested in this rapidly growing field.
- **Pradhan Mantri Bhartiya Janaushadhi Pariyojana (PMBJP):** This initiative focuses on providing affordable medicines to the masses through generic drugs. Prof. Saraf encouraged students and faculty to explore this scheme as it reflects the broader

objectives of accessible healthcare and highlights the importance of affordability in the pharmaceutical industry.

Prof. Saraf emphasized that these schemes not only support the growth of India's pharmaceutical and medical sectors but also present students with **unparalleled opportunities for growth and involvement** in meaningful, impactful projects. She urged faculty members to actively **disseminate information** about these initiatives to students, ensuring that they are well informed and ready to seize these opportunities.

By integrating practical, **industry-specific skills** into NIPER's educational programs, Prof. Saraf believes students can make significant contributions to India's pharmaceutical and healthcare industries. This alignment between academic learning and industry needs is essential for developing a workforce that is skilled, innovative, and capable of driving the country's pharmaceutical and medical device sectors forward. Prof. Saraf's vision calls for nurturing students who are not only knowledgeable but also **adaptive and entrepreneurial**, equipped to meet the demands of an ever-evolving global industry.

She emphasized how these pharmaceutical schemes present students with excellent growth opportunities, encouraging faculty members to disseminate knowledge about these initiatives to their students. This integration of practical, **industry-specific skills** into NIPER's educational programs is crucial to ensuring that graduates can contribute meaningfully to India's pharmaceutical and healthcare industries. Looking forward, Prof. Saraf encouraged expanded efforts to foster **entrepreneurship** within the academic framework, urging faculty to inspire and nurture a spirit of **innovation and leadership** among students. *The address concluded with a call to cultivate entrepreneurial mindsets, emphasizing the integration of NEP 2020's vision.*