

# School of Pharmacy

## Application of Outcome Based Education (OBE) in the Programs of B.Pharmacy and D.Pharmacy

The image displays four documents from the School of Pharmacy at Netaji Subhas University, detailing the application of Outcome Based Education (OBE) in the programs of D.Pharmacy and B.Pharmacy. Each document includes the university's logo, a photograph of the building, and a list of Program Specific Outcomes (PSOs) and Program Outcomes (POs).

**Document 1 (Top Left):** Program outcomes, Program specific Outcomes and Course outcomes For D.Pharmacy Syllabus. It lists PSOs such as "To become an eminent institute by providing excellent pharmaceutical education and research to improve healthcare needs of community and technological aspects of industries" and "To set up the institute with academic excellence by imparting education through high-quality infrastructure and technologies in pharmaceutical sciences. To train pharmacy students through student-centric teaching and learning processes to accomplish industrial research and social needs".

**Document 2 (Top Right):** SCHOOL OF PHARMACY Netaji Subhas University COURSE OUTCOME AND PROGRAM OUTCOME DETAILS. PROGRAMME: DIPLOMA OF PHARMACY. PROGRAM SPECIFIC OUTCOME (PSO). PSOs include: "Acquire knowledge in the field of synthetic and natural sources of drugs as well as their formulation and evaluation, including their regulatory requirements.", "To Using the fundamental physiology, anatomy and pathology to understand and explain the pharmacological and toxicological aspects of various drugs and increase their creativity in developing novel clinical research initiatives in these areas.", "Applying their expertise to recognize possible adverse drug interactions and counsel the patients in complying with the prescribed treatment regimen.", "Graduates can comprehend the role of pharmaceutical care, medication management, pharmacoconomics, pharmacoepidemiology, and the concepts of hospital, community and clinical pharmacy for serving the community."

**Document 3 (Bottom Left):** Program outcomes, Program specific Outcomes and Course outcomes For B.Pharmacy Syllabus. It lists PSOs such as "Understand the pharmacological and toxicological actions of synthetic and phyto-molecules in the diagnosis, prevention, and treatment of various diseases.", "To emphasize the significance of quality control and assurance in drug design and formulation development.", "Implementing expertise in medicinal chemistry, preparative pharmacy, analytical skills, and pharmaceutical engineering in coming up with novel dosage forms as well as drug delivery skills to cater the needs of industry.", "Utilize the knowledge in drug laws for entrepreneurship development and marketing pertaining to drug distribution of all scheduled drugs and cosmetics."

**Document 4 (Bottom Right):** SCHOOL OF PHARMACY Netaji Subhas University COURSE OUTCOME AND PROGRAM OUTCOME DETAILS. PROGRAMME: BACHELOR OF PHARMACY. PROGRAM OUTCOMES. POs include: "Pharmacy Knowledge: Possess knowledge of the core pharmacy subjects such as Pharmacology, pharmacology, pharmaceutical chemistry and other allied subjects like pharmacy administration, cosmetics, marketing etc.", "Planning Abilities: Showcase effective planning abilities including time management, resource management, delegation skills and organizational skills develop and implement plans and organize work to meet deadlines.", "Problem analysis: Apply the scientific principles, analytical and critical thinking, while solving problems and making decisions during daily practice.", "Modern tool usage: Select, and apply appropriate procedures, resources, and modern pharmacy-related computing and analytical tools with an understanding of their working principles.", "Leadership skills: Incubate leadership and team-building skills required for fulfillment of professional and societal responsibilities. Undertake participatory roles as responsible citizens or leadership roles to facilitate improvement in health and wellbeing.", "Professional Identity: Comprehend, evaluate and communicate their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employees).", "Pharmaceutical Ethics: Respect personal values and ethical principles in professional and social contexts. Apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.", "Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.", "The Pharmacist and society: Apply reasoning informed by the appropriate knowledge to assess health, safety and legal issues and following the responsibilities relevant to the professional pharmacy practice.", "Environment and sustainability: Understand the impact of the professional pharmacy practices in environmental contexts, and showcase the knowledge of, and need for sustainable development."