

Strategic Approaches to Enhancing CO/PO Attainment: Insights and Actions

Prashant Vasantrao Deshmukh

Assistant Professor, Department of Mechanical Engineering
AISSMS College of Engineering, Pune, India

Abstract: *Outcome-Based Education (OBE) focuses on aligning teaching, learning, and assessment practices with defined learning outcomes at the course and program levels. This study examines strategic approaches to enhancing the attainment of Course Outcomes (COs) and Program Outcomes (POs) in engineering education. It emphasizes a systematic process of data-driven evaluation using direct and indirect assessment tools, including surveys, assignments, and university examinations.*

The research highlights actionable strategies such as refining CO-PO mapping, aligning teaching methodologies with Bloom's Taxonomy, and leveraging feedback for continuous improvement. Corrective actions for unmet targets, adaptive strategies for partial attainment, and innovative updates for maximum achievement levels are explored. Insights derived from these approaches provide a framework for enhancing educational quality and preparing students for industry and societal needs.

Keywords: Course Outcome, Program Outcome, Outcome Based education