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# Impact assessment of outcome based approach in engineering education in India

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## Abstract

Outcome Based Education is one of the most significant developments in Indian engineering education in recent years. Outcome based approach is a shift of teaching learning paradigm from teacher centric to student centric. Outcome based education has been practiced worldwide since nineteen nineties, In India adoption of OBE was a result of signing Washington Accord. The National Board of Accreditation (NBA), apex body for monitoring quality of engineering education in India has made it mandatory as a part of accreditation. The positive results of implementing OBE in engineering education are inevitable but whether the faculty members are prepared to implement the strategy is the question to be answered. This paper discusses the impact assessment OBE in the Indian engineering education. The study is carried out through a survey. The observations are encouraging, the concept of OBE in terms of curriculum design, delivery, assessment, evaluation and reflection is penetrating in the Engineering education in India but still trainings in certain aspects are required.

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## 1. Introduction

Outcome based education focuses on knowledge, skills and attitude gained by learner. In conventional education system less emphasis was on outcomes and it was more input based, where certain curriculum was used to be developed and delivered. William Spady can be considered to be pioneer of Outcome based education who revived it in nineteen nineties [3]. Outcome based education means clearly focusing and organizing everything in educational system which is important for all students to be able to do successfully at the end of course/program/graduation. It starts with deciding what is important for students to be able to do and then organizing curriculum, delivery and assessment. Finally make sure that learning has happened [1].