

Abstract:

Arshvir Kaur (2017) had conducted the study on "**Effectiveness of Project based learning (PBL) for undergraduate - Bachelor's Civil Engineering Education**". This study investigated the effectiveness of implemented PBL based Internship curriculum for the third year, sixth semester students of civil engineering for construction field preparedness. The objectives of the study were to assess the need and scope, develop, implement, and study the effectiveness of developed PBL curriculum for the improvement in technical competence and development and improvement in the soft skills for third year civil engineering students by imparting the civil engineering field knowledge through conducted practicums of PBL curriculum. The research methodology proposed for the study was experimental. The effectiveness of the conducted study was assessed and evaluated quantitatively for the data collected in the form of administered pre-test, post-test and qualitatively for the submitted project reports, project presentations and supervisors and students' evaluation forms. The thirty-three participants for this study were the third-year students of Bachelor's in civil engineering program of technical institutes in Vadodara, Gujarat. The outcomes presented the significant improvement in the technical competence of the students by comparing the mean achievement scores of administered pre-test and post-test of the students. The descriptive analysis of supervisors' evaluation and students' evaluation forms, group project reports, group presentations identified the significant development and improvement in the soft skills of students in communication, (oral and written) teamwork and problem solving skills. Findings indicated that the developed and implemented PBL curriculum had contributed to improve technical knowledge and soft skills in students and can play a great role in preparing the students to bridge the gap from fresh graduates or unskilled individuals to career ready graduates or skilled individuals.

Key words: (PBL) Project Based Learning, Internship, Field knowledge, Curriculum