

A framework for integrating project-based learning into the curriculum for outcome based education

Abstract

Project-based learning (PBL) has been shown to be an effective tool in engineering education. Thus, in this paper a framework for integrating PBL into the curriculum to enable the delivery and the assessment of the necessary knowledge, skills, and attitudes required by three generic program outcomes required for accreditation of engineering programs in countries that signatories to the Washington Accord. The breadth and depth required by these outcomes and how it is implemented in this framework is also highlighted. It is believed that this framework is general enough to be implemented in any engineering program.