

Project Based Learning in Engineering Education.

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Abstract

Engineering education is a very important field of every country because of the day to day engineering problems face in real life. Due to this, Project-based learning in engineering education is a very important instructional model due to the constructivist approach to learning, which entails the construction of knowledge with multiple perspectives, within a social activity, and allows for self-awareness of learning. In this paper, we have presentation an experiment of students acquiring knowledge without and with project based leaning models which include, videos and practical experiment. The results reveals that using project based learning model build a great impart in terms of knowledge to the student.

Keywords: Project based, Engineering, Education, Experiment.

Biography

John M Ikome is a lecture at the Vaal University of Technology and currently pursuing a Phd program in IE. He was an Innovation Research Analyst with Technology Transfers and Innovation and Later joint the French Schneider Electric Education in Vanderbijlpark. He holds a Master's degree in Industrial Engineering, specialization Technology Management. He also studied at the Vaal University of Technology and holds a number of degree which includes Baccalaureate Technology Industrial. He is interested in research Innovation and technology management. He has a great experience working with manufacturing industries and also developed a production scheduling model as a feedback control system to minimized disruption, which is currently being used in a number of manufacturing companies around the world. He has published over twenty five conference and journal papers within the past three year. Ikome worked with UNIDO and IOL under a joint project which included consulting and rescuing manufacturing organization from collapsing. He is a member of a number of organization which includes, Southern Africa Institute of Industrial Engineer, Engineering council of South Africa etc. and also an International reviewer in a number of conference and journal.