

Case of an Engineering Design Class in Architectural Engineering

Authors : Myunghoun Jang

Abstract : Most engineering colleges in South Korea have engineering design classes in order to develop and enhance a student's creativity and problem-solving ability. Many cases about engineering design class are shown in journals and magazines, but a case lasting many years is few. The engineering design class in the Department of Architectural Engineering, Jeju National University was open in 2009 and continues to this year. 3-5 teams in every year set up their problems found their solutions and produced good results. Three of the results obtained patents. The class also provides students with opportunities to improve communication skill because they have many discussions in solving their problems.

Keywords : engineering design, architectural engineering, team-based learning, construction safety

Conference Title : ICAES 2018 : International Conference on Architectural Engineering and Skyscraper

Conference Location : Bangkok, Thailand

Conference Dates : January 18-19, 2018