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Thesis Title : Civil Engineer's Graduates Competencies as Needed
by Employers

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Abstract

In preparing graduates to be proficient in both theories and practices for industry, it is necessary that curriculum must be revised to more closely respond to the need of industries at present, especially in the field of civil engineering whose graduates are needed to develop the country to attend the NIC (Newly Industrialised Country) status. The present study aimed to find what Competencies in four areas: academic ability, operation, human relationship and services of graduates in civil engineering as perceived by private and government sectors as essential in carrying the tasks effectively. A sample of 122 persons were used. The instrument used were a questionnaire and an achievement test designed by the researcher. The scores were analyzed by using arithmetic mean, standard deviation, t-test, One-Way ANOVA and Scheffe.

The result revealed that all four competencies of graduates were rated quite high by both private and government sectors with the following order from the highest rank to the lowest : human relationship, operation, academic ability and service. Both private and government employers did not differ significantly in listing essential competencies of graduates. However, administrators with different working experiences differed on the human relationship requirement significantly at .05 level.