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The purposes of this research study were to investigate and compare the characteristics of engineering student from all three branches of King Mongkut's Institute of Technology: Lard Krabang, Thonburi and North Bangkok. The characteristics of engineering student were also compared among the family's economical status. The researcher investigated characteristics from various documents, ideas and theories, together with interviewing lecturers of the students. Afterwards, the pilot study with the three institutes were done, analysis of data included grouping of the characteristics of engineering student could be six categories: Self Confidence, Creativity, Honesty, Dicipinary, Leadership and Vocational Interests. The results were done with the population were the three-Institute-Engineering-Senior students taking the first semester of the year 1992.

The findings revealed that all the students show high confidence, Honesty and Dicipinary, whereas Creativity, Leadership and Vocational Interests in medium level, the characteristics of three institute students did not differ among themselves. Besides, the students with different economical status showed different characteristics e.g. Self Confidence, Creativity, Honesty and Leadership.