The objective of this investigation is to find out trends in undergraduate research studies when analyzed from the points of view of fields of Research, methodology, and fulfillment of required technical competencies.

The study employed a descriptive methodology of research in the area of industrial education covering the research projects over five years in five departments of KMUTT. There were 488 projects that were completed during the period from 1996 to 2000. The projects were analyzed by employing three dimensions, namely, Fields of Research, Classification of Methodology, and Technical Teacher Competencies.

The study revealed that the five departments of the school of industrial education are producing about 100 projects per year. The department of production technology has contributed the largest number of projects. Generally, the departments have shown a fairly even distribution of projects except the department of electrical technology where the contribution has been bumpy.

Related to the fields of projects, the study reveals that the departments have undertaken studies related to the basic content areas of their work. There are very few studies, which are related to the pedagogical aspects of industrial education.

Related to the methodology of research the analysis was proposed to consider historical, descriptive, experimental, pure/applied, quantitative/qualitative approaches to research. No study has employed historical method, pure research method, and qualitative method. Even the experimental method has been under employed. The dominant methodologies used are descriptive, applied and quantitative.

Related to the dimension of competencies the analysis revealed that the researchers were satisfied with the aims, processes and the outcome of the project work.