

Abstract

Technology transfer is a mechanism to acquire technology and help company to enhance their technology capabilities. By understanding the level of efficiency of technology transfer project, company could determine appropriate transferring methods and provide necessary resources (internal and external). The purpose of this study is, therefore, to demonstrate how Data Envelopment Analysis (DEA), a linear programming-based technique, could be used to assess the efficiency of technology transfer project at firm level. Data collecting from the transferring of robotics operating technology project in 8 automotive parts/components manufacturing companies was consider as inputs and outputs of DEA model. The results of this study show that five companies perform well in transferring of this technology. The average efficiency score is approximately 95.4%. This method provides a framework / guideline for chief technology officer (CTO) to evaluate technology transfer performance of the company and insights for resource allocation.