



Promoting innovation and application of Internet Of Things in an organization;

Case Study from Petrochemical Commercial Company (PCC)

Vaezi, Elham Sadat^۱, Ehtesham Rasi, Reza^۲

^۱-Faculty of Management and Economics Science and Research branch, Islamic Azad University Tehran, Iran

^۲-Department of Industrial Management, Qazvin Branch, Islamic Azad University, Qazvin, Iran

Abstract

The purpose of the study was to investigate factors promoting innovation and application of internet of things in Petrochemical Commercial Company (PCC) which is an organization in which a high number of various data is daily exchanged and processed.

Information professionals, information system technologists and queuing functions that normally consume big data and technological resources were involved in the process of data collection using structured questionnaire and content analysis.

The results of this study showed that the software development, potential opportunities and capabilities, specific characteristics of IOT, side technologies, effective technologies and management strategies have tremendous impact on internet of things. Moreover, fitting test showed that the research model has properly fitted the collected data; however, this study suffered from some limitations which were basically beyond the control of the research.

Keywords: Internet of things, Software development, Effective technologies, Management strategies.