

## ABSTRACT

*The general procedure for printing documents is by using a desktop or notebook computer, by first connecting a mobile device to one device using a cable, extracting the data and then selecting the correct printing method and sending it to the printing device (printer), so the load on the process becomes so many.*

*This final project provides a solution to facilitate the user in printing a document. Internet of Things Technology is used to design a printer system that can be used to print documents remotely using only an android based mobile app. By using Raspberry Pi as a link between a smartphone device with a printer, where Raspberry Pi takes data from a database located in the cloud server.*

*This system will facilitate the user to do the printing process documents, without time and space limited. Users open the mobile application that has been installed on the smartphone, then choose the document to upload to the database. Raspberry Pi will download the document to be forwarded to the printer which is then printed on paper media. Users can also find out the status of the printer in an online / offline state where data is accessed through the cloud of android apps. That way the document printing process becomes more practical and efficient.*

**Keywords:** *Internet of Things (IoT), printer, Mobile Application, Android, database, smartphone, Raspberry Pi.*