

# **Need for Deployment of RFID Technology in Indian Hospitals**

**Parul Maroo**

Industrial Engineering

Pandit Deendayal Petroleum University

Raisan, Gandhinagar, Gujarat, India

<sup>1</sup>marooparul@gmail.com

## **Abstract**

The Radio Frequency Identification is an automatic identification system. RFID uses RF to identify “Tagged” items. RFID Technology has been available for more than fifty years. However it has only been recently that the price of RFID have been fallen to the point that it can be used effectively and efficiently. RFID has seen increasing adoption rates in application that range from supply chain management, medical/health, asset tracking, warehouses, retail and people tracking. Among this Health care industry is considered one of the most vital sectors in almost all countries. Despite importance of health care in societies, unfortunately, statistics reveal that the quality of services is far beyond the desired level. This article aims to analyze the existing condition in hospitals without RFID, the current benefits and barriers of implementing RFID, its application in various areas of health care and its effect on improving the quality of services provided for the patients, optimal use of facilities and equipments in healthcare centers, as well as reducing costs related to the inefficient use of available resources.

## **Keywords:**

RFID, Indian Hospitals, Present condition, Application, Benefits, Drawbacks.