# **Risk Assessment**

## User may forget to tap on Near Field Communication (NFC) sensor.

* **Description**

It is possible that the user may forget to tap on the NFC sensor whenever he/she arrives or leave, as it is quite natural to be in a hurry when someone wants to reach their destination on time. In the case of the college, if someone is in a hurry, he/she might forget to tap or tap so quickly that NFC can not detect the ID, leaving the place open for other application users. It will eventually lead to chaos.

* **Probability of the risk**

The risk probability is high as users can easily forget to tap when they will be in hurry.

* **Impact of the risk**

The impact would be very high as the user who booked the spot, and when he/she comes to the spot, it will be already occupied; this will damage the application's image and the college facility's image.

* **Risk response**

The mobile application should notify the user about taping when the vehicle arrives or leaves the spot using the GPS function, so the user does not forget to tap.

* **How to implement the risk response**

The application team should integrate the functionality allowing the user to confirm a parking spot once they arrive. They should confirm later using the application if they forget, even after tap notification.

## Users may park their vehicle in the wrong place due to a technical issue

* **Description**

It is possible that the user may park their vehicle on the wrong spot because of the technical error to tap on the NFC sensor whenever he/she arrives or leave, as it is quite natural to be in a hurry when someone wants to reach their destination on time. In the case of the college, if someone is in a hurry, he/she might forget to tap or tap so quickly that NFC can not detect the ID, leaving the place open for other application users. It will eventually lead to chaos.

* **Probability of the risk**

The risk probability is high as users can easily forget to tap when they will be in hurry.

* **Impact of the risk**

The impact would be very high as the user who booked the spot, and when he/she comes to the spot, it will be already occupied; this will damage the application's image and the college facility's image.

* **Risk response**

The mobile application should notify the user about taping when the vehicle arrives or leaves the spot using the GPS function, so the user does not forget to tap.

* **How to implement the risk response**

The application team should integrate the functionality allowing the user to confirm a parking spot once they arrive. They should confirm later using the application if they forget, even after tap notification.