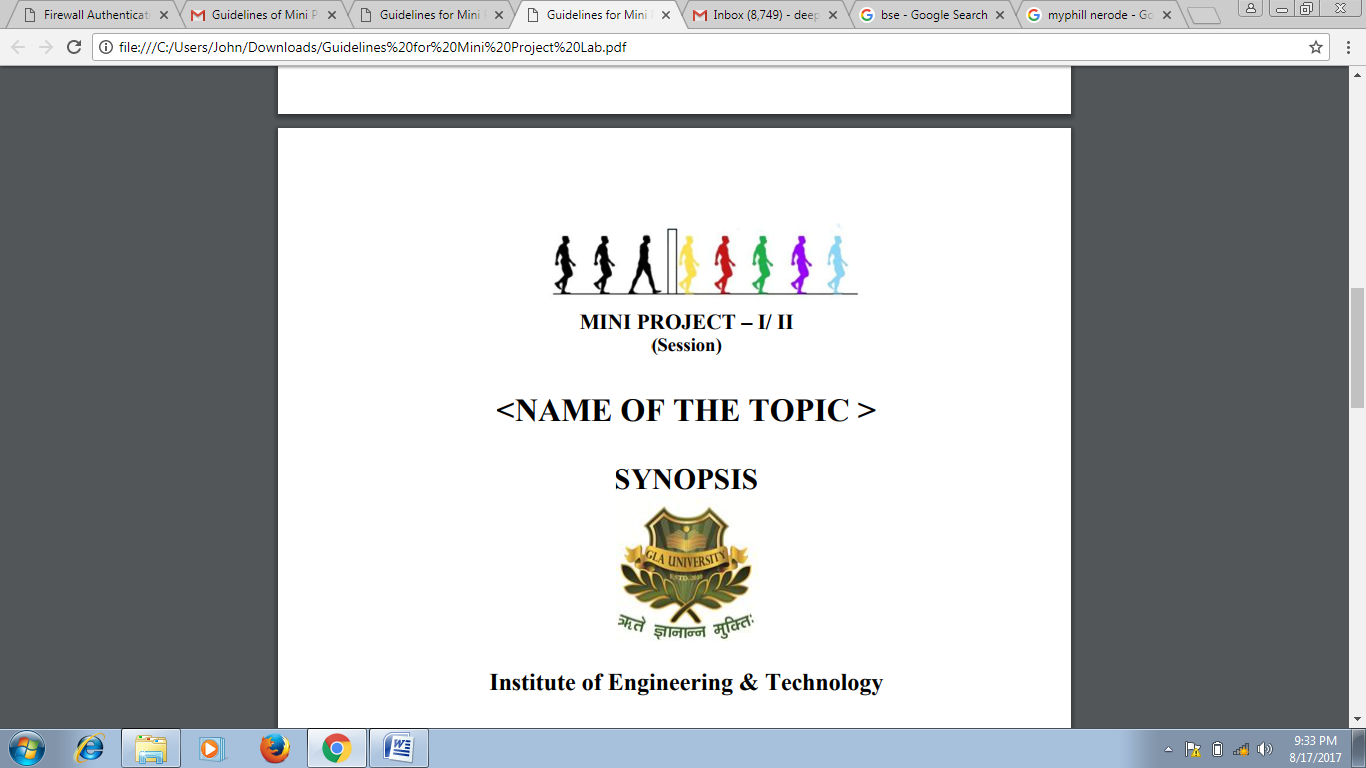
**MINI PROJECT – I**

**2018**

**Design and implementation of staff member availability check using RFID Technology**

**SYNOPSIS**

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**Institute of Engineering & Technology**

**Team Members**

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**Project Proposal:**

**PROBLEM STATEMENT:**

Employees, staff members or students in an institute face issues in searching a staff member throughout cabin rooms. Even though one finds a cabin, it isn’t necessary that he/she finds him/her. To address the discussed issues, we propose a solution that can check the availability of a staff member in his/her cabin.

**APPROACH:**

To build the proposed system we will use radio frequency identification (RFID) technology. RFID tag will be attached to a person’s possessions like ID card, cellular phone or dial of a watch.

An RFID reader is attached at the entrance of every staff room. As the person enters in a staff room, the RFID reader reads the id associated with RFID tag. We will build web application which can provide the availability information in real time.

**FUTURE ASPECTS:**

This product could be distributed among institutions and companies that could be used to check the presence of employees.

**Broad Requirements:**

* **Hardware :**
* Node MCU
* RFID Tags
* RFID reader
* PCB
* Cables
* Power supply
* Soldering iron
* **Software :**
* MySQL 5.7
* Python 3.x
* Arduino 1.x(IDE)

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