**ABSTRACT**

**TITLE:**Developing the cloud control library for IOT devices

**PROPOSED IDEA:**

Cloud control library is loaded with interfaces to push and pull the data from IOT serial window and databases. The user accesses only the assigned IOT hardware devices after successful login. The End users responsibilities are maintained and managed by IOT cloud application.

IOT device identity is created and stored in cloud and is mapped to respective users to avoid unauthorized access. Devices and processes are stored in IOT cloud can be accessed, monitored and controlled by end users. In cloud control library we are using radio frequency identification(RFID) and wireless sensor networks(WSN).

RFID is a unique identification of each user based on user login .It is very secure.

WSN is a computer data network that uses the wireless connectors between different nodes over the communication system.

The methodology for designing the cloud control library system development is based on two components. They are system hardware architecture and system development. It checks whether the user is user is authorized one or not.

**Hardware Requirements:**

* RFID cards
* Esp8266
* Mfrc522

**Software Requirements:**

* Processor :i3
* Back end :PHP
* Storage :cloud
* OS :windows 7 and high
* Web browser :Google chrome
* Ardino

**Block diagram**:

