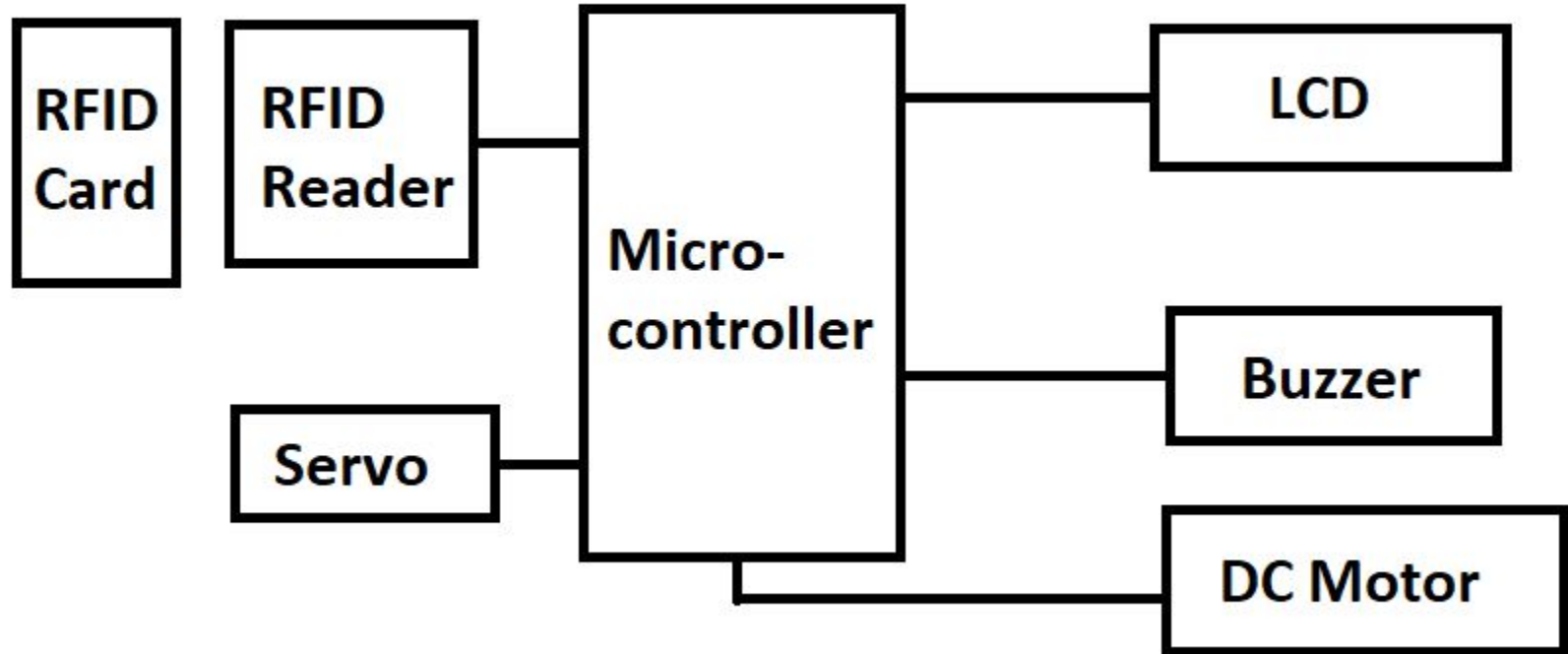# *Group-8*

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RFId based Access Control System

Synopsis

- Our goal will be - To use MFRC522 RFID Reader and Arduino Uno Microcontroller to build an access control management system.

Block Diagram

Algorithm

- Int RFID_tags[size] = { hex RFIDs }
- Check RFIDs when a new entry instance is created by looping through rfids.
- If new rfid in RFID_tags:
  - **Grant-access**
  - **Use arduino servo module for access.**
- Else
  - **Don't grant access.**
- Re-Start the process.

Method of testing

- We will dump garbage data as RFID Tags and check if it is being handled by the arduino correctly or not.
- Also, at the end, we can test it through practical explanations.
- **Practical Applications:** We will try making a locker using RFID for access control and security.