# Smart Voting Centre

**Course Name: Computer Networks lab**

**Course code: CSE 324**

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**DESCRIPTION:**

*In this project, we want to control voting centre with some IOT devices which is monitored by*

*Election Commission Office. We want to make smart voting centre . In voting centre ,there will be*

*a Door which will be unlocked RFID/NID card. Fan and Light will work through the battery which*

*will be powered by Solar Panel. We set a webcam to monitor the people who entered in the*

*centre.There will be fire detector which detect fire and also give signal to fire sprinkler. For the*

*security reason, there will have a metal sensor which will detect any kind of metallic things such*

*as knife, gun, bomb etc.*

# IOT Devices:

1.Tablet

2.Fan

3.Light

4.Door

5.Webcam

6.Home gateway

7.Battery

8.Solar panel

9.power monitor

# Sensors:

1.Fire detector

2.Metal sensor

3.Temperature sensor

4.motion sensor

# Actuators:

1.Fire sprinkler

2.RFID card reader

3.RFID card

4.Motor

5.Alarm

6.Temparature monitor

7.Heating element

8.LCD

Controller: MCU

# Environment Conditions:

1.Temperature(Sunlight)

FEATURES:

# 1.

In voting centre ,there will be a door . There will be a RFID card reader that will

verify NID/RFID CARD to open the door .If a person with an invalid NID/RFID card

that is unauthorized, try to enter the door, the door will be closed. Because RFID

card reader will not accept the card.

## 2.

There will be a metal sensor which will detect any kind of metallic things such as knife ,

bomb , gun etc. If a person enter the room with any kind of metallic things then it will

detect , send signal to MCU . Then MCU will be sent signal and alarm will be on at

security office .

3.

Webcam will be set to watch or monitor the people whom is entering in the room. It will

be monitored by Election Commission Office (Registration server).

# 4.

Fan and light will be on through battery which will be powered by Solar Panel.

# 5.

Inside room , if any kind of fire or smoke occurred there will be a fire monitor to detect and open

the fire sprinkler as well as signal sent to the election commission office (Fire Brigade Office).

# 6.

All the above devices are monitored by Election Commission Office (Registration Server).

Infact all these devices are shown and accessed by Registration Server(election commission

office) .