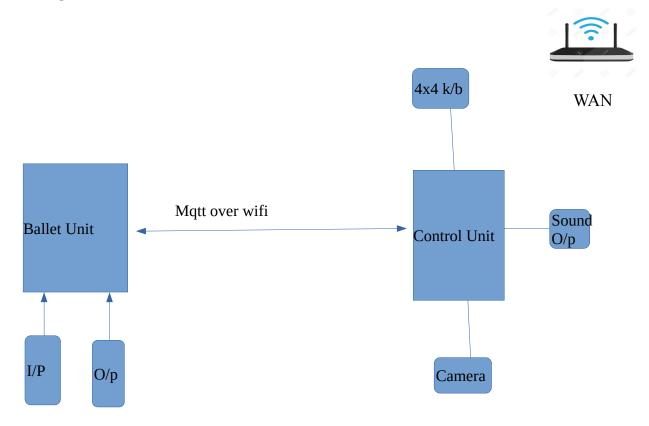
Advanced Voting System to Tackle Cross Voting Design Dcument

## Abstract

Once again an election season is coming in few days. One of the main problems which would affect the whole election procedure is cross voting. In the present pandemic system all are advised wear mask for their protection So there is more possibility for cross voting. Here we have system which tackles the cross voting. In this system like the ordinary voting machine it has two blocks the voting unit and the control unit. The voting unit is somewhat similar to the ordinary voting unit. But in the control unit we have a camera which interfaced to it which is situvated near the voting unit. Once the poling officer enables the voting unit by entering the voters list number the camera become active and it takes the image of the voter and sends it to a telegram bot associated with the poling staion. After that the voting system will be active and the recorded vote is send to control unit via mqtt through wifi.

# **High Level Design**

## **Block Diagram**

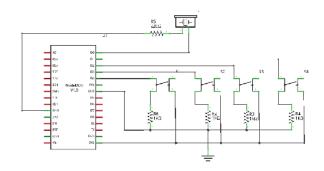


Ballet UnitControl UnitNodemcuRaspberry Pi3Push Buttons4x4 matrix keyboardMini Buzzerc270 cameraMini BuzzerMini Buzzer

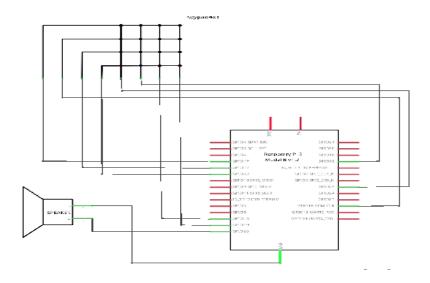
Control Unit is connected to wireless router in public network.

### **Schematic**

#### **Ballet Unit**



## **Control Unit**



## **Project Schedule**

Project Schedule Phase 1			
Si			
NO	Task	Start Date	End Date
	Purchase of		
1	components	11/03/21	11/03/21
2	Literature Survey	08/03/21	12/03/21
	Set up mqtt b/w		
3	nodemcu and Rp1	13/03/21	14/03/21
	Set up of ballet unit		
4	and control unit	14/03/21	16/03/21
5	System Testing	16/03/21	18/03/21
Phase 2			
	Camera and		
	telegram integration		
6	on Raspberry Pi	18/03/21	21/03/21
	System Testing of		
7	Phase 2	21/03/21	23/03/21
Phase 3			
8	Final Integration	24/03/21	25/03/21
	System Testing for		
8	final integration	26/03/21	28/03/21

### Version Control And Tracking.

#### **Version Control.**

A git repository is created for proper version control and for collaborative working. All project related stuffs will be uploaded to created git repo.

https://github.com/vu2swz/Advanced-Voting-System-to-Tackle-Cross-Voting

### **Project Tracking**

For project tracking a jira account is created. Individual tasks are alloted via jira so that we can easily track the status of the work.

https://vu2swz.atlassian.net/secure/BrowseProjects.jspa

A Google sheet is mainted online to add the weekly Status of the work

 $\underline{https://docs.google.com/spreadsheets/d/15y8IqyVAe3e9kO8HYBn5R3zeuBPukgr9fXfNyfvK9} \ k/edit? \\ \underline{usp=sharing}$