DDS PROJECT ABSTRACT

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PROJECT:AUTOMATED VEHICLE PARKING ENTRY AND EXIT

The problems related to vehicle parking in flats ,apartments, offices etc., includes

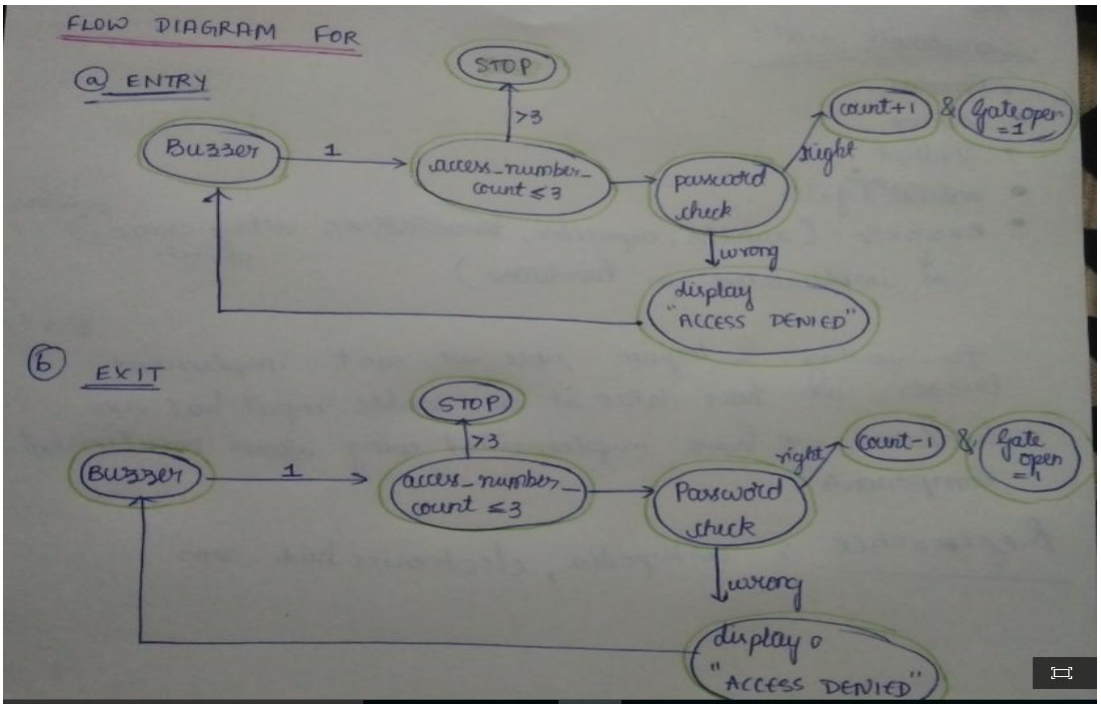
- *Reserved parking slots used by outsiders which pose problems to actual residents.*
- *Theft and damage(theft of petrol in two wheelers) to vehicles .*

Our project aims at overcoming above problems by the idea of automated entry and exit of vehicles(in a small scale(10 vehicles) which can be expanded to large scale) .

- *Unique password will be given to each vehicle owned by the residents which works for both entry and exit.*
- *Keep the count of two wheelers and four wheelers separately at any instant of time.*
- *Separate entry for two and four wheelers.*

Components used:

1. *Basic(and ,or, not) and universal logic gates(nand , nor)*
2. *Encoders*
3. *Counters(flipflops)*
4. *Buzzer(resistors, capacitor, switch, voltage source,555 timer)--→implemented in hardware*
5. *Since Buzzer cannot be implemented using logisim and verilog we have implemented it in hardware. FLOW CHART OF OUR PROJECT IS AS FOLLOWS:*



References: Wikipedia, Electronics hub