



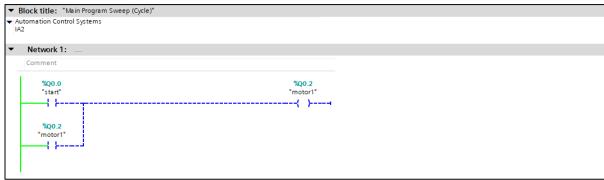


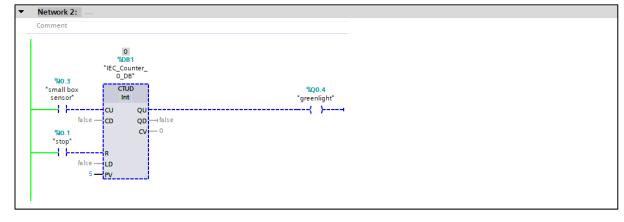
Department of Electronics & Computer Engineering

| Course Name: | Automation & Control Systems | Semester: | V |
|----------------------|---------------------------------|----------------|-------------|
| Date of Performance: | 25 / 10 / 2024 | Batch No: | B - 1 |
| Faculty Name: | Prof. Shila Dande | Roll No.: | 16014022050 |
| Faculty Sign & Date: | | Grade / Marks: | |

Automation and Control Systems IA2

1. Automatic car wash system

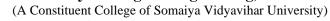




Automation & Control System Semester: V Academic Year: 2024 -25

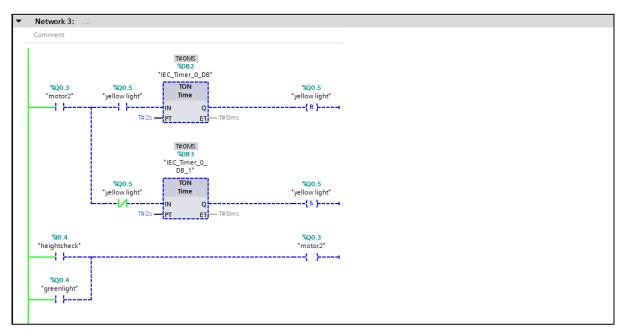
Roll No.: 16014022050

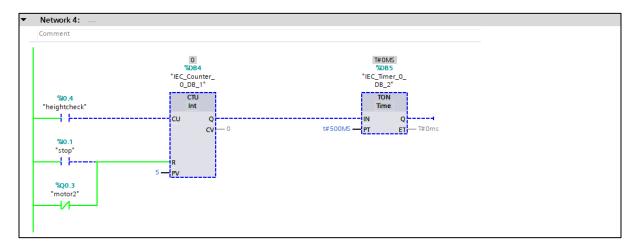




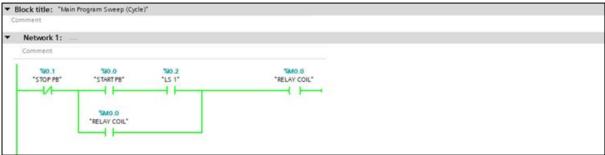


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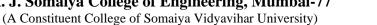


2. Automatic Stamping Labelling Machine Using PLC



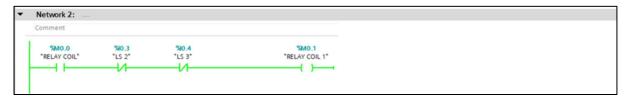
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```
Network 3:
                                                                                      %M0.2
                          %10.0
                                              %10.4
"LS 3"
     %10.2
"LS 1"
                       "START PB"
                                                                                  "RELAY COIL 2"
      11
                          4 F
                                                                                      \prec \succ
                         %M0.2
                     "RELAY COIL 2"
                          4 6
```

```
NELWOIK 4.
Comment
    %10.2
"LS 1"
                                                                              %M0.3
"RELAY COIL 3"
     4 1-
     %M0.2
"RELAY COIL 2"
     +
     %MO.3
*RELAY COIL 3*
     +
%M0.4
"RELAY COIL 4"
     4 6
```

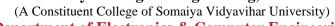
```
Network 5:
    F OMP
                        %10.6
"LSUP"
                                                                                 %Q0.0
"UP MOTOR"
"RELAY COIL 3"
                         1
                                                                                     1 )
```

```
Network 6:
                       %0.5
"LSDN"
                                            %0.4
"LS 3"
 "RELAY COIL"
                                                                               "RELAY COIL 4"
     4 6
                         11
     %MO.4
"RELAY COIL 4"
     4 6
```

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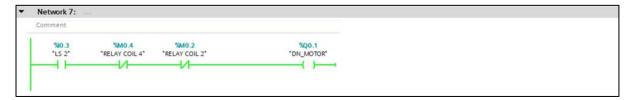
Roll No.: 16014022050

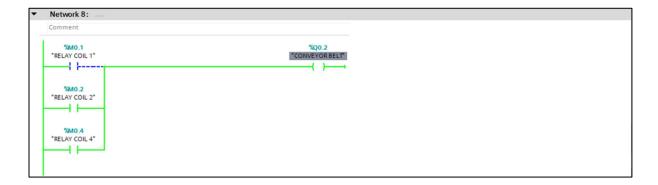






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Semester: V

Academic Year: 2024 -25 Roll No.: 16014022050