

# Premier University Chittagong



## Department Of Computer Science & Engineering

**Course code** : **EEE 314**  
**Course Title** : **Control System Laboratory**  
**Report No** : **05**  
**Name of Report** : **Traffic Signal control by PLC.**  
**Date of Performance** : **24.11.2019**  
**Date of Submission** : **1.12.2019**

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### REMARKS

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### SUBMITTED BY

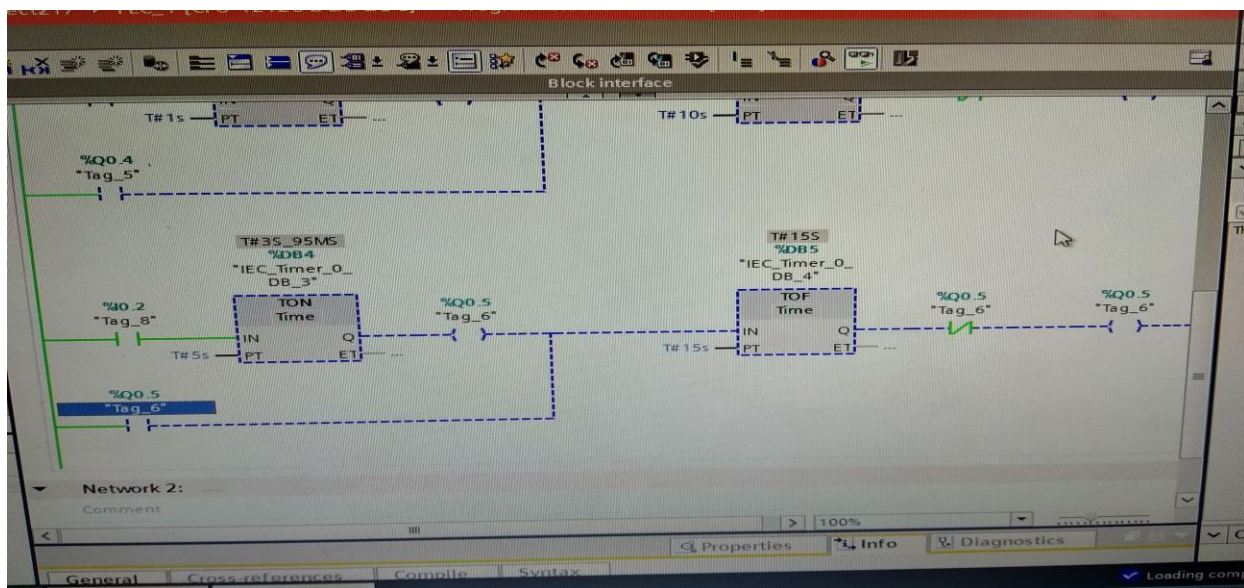
ID	: 1402710200740
Name	: Joyanta Dutta
Group	: C7A1
Semester	: 7 <sup>th</sup>
Year	: 2019

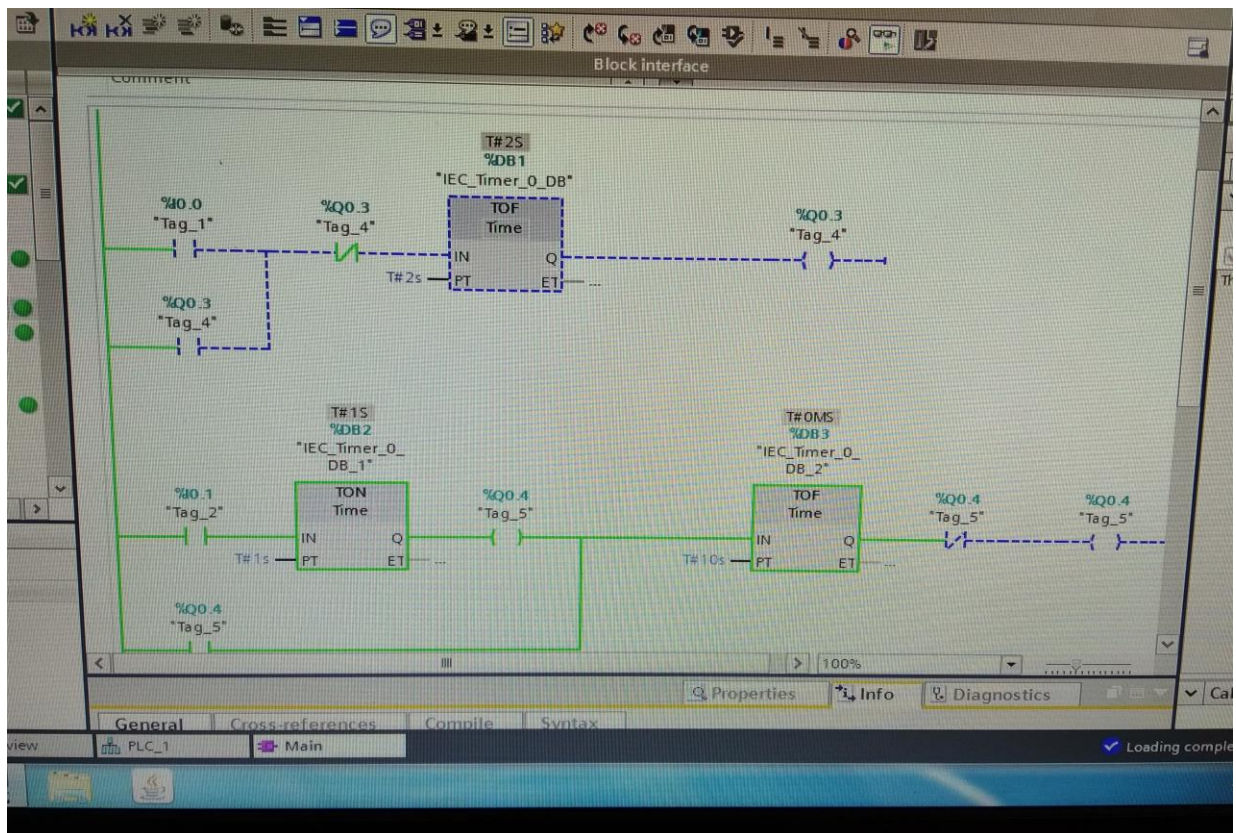
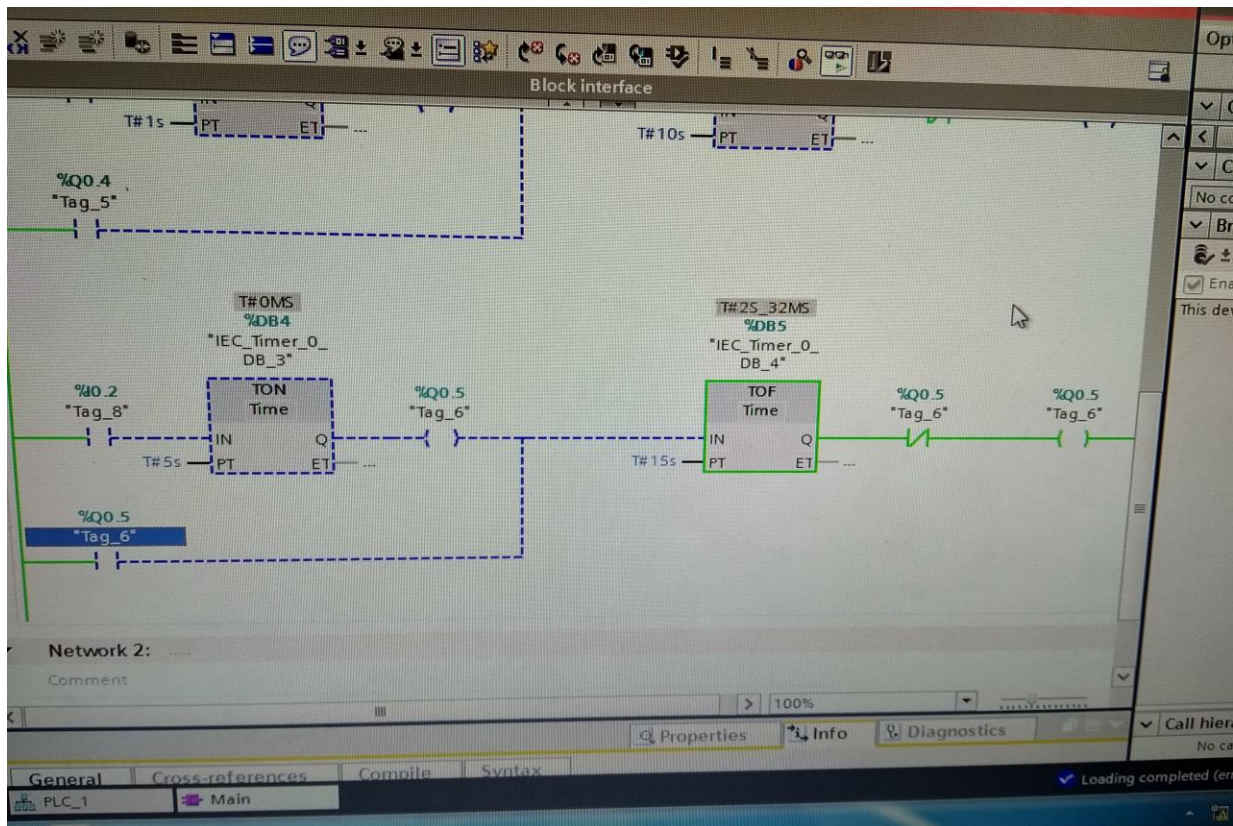
**Objective :** Traffic signal control by PLC.

**Tools :**

1. PLC Software .
2. CPU 1212C DC/DC/DC .
3. Siemens S7-1200 PLC CPU
4. Circuit Board .

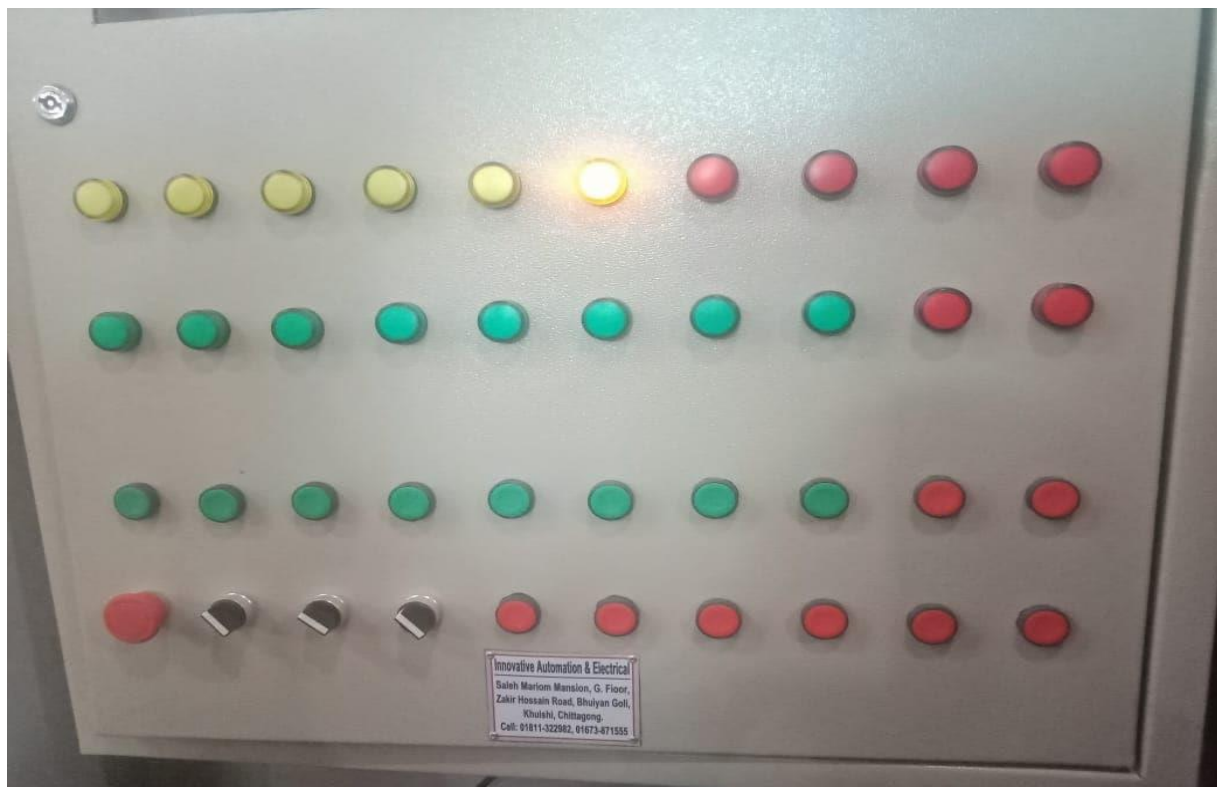
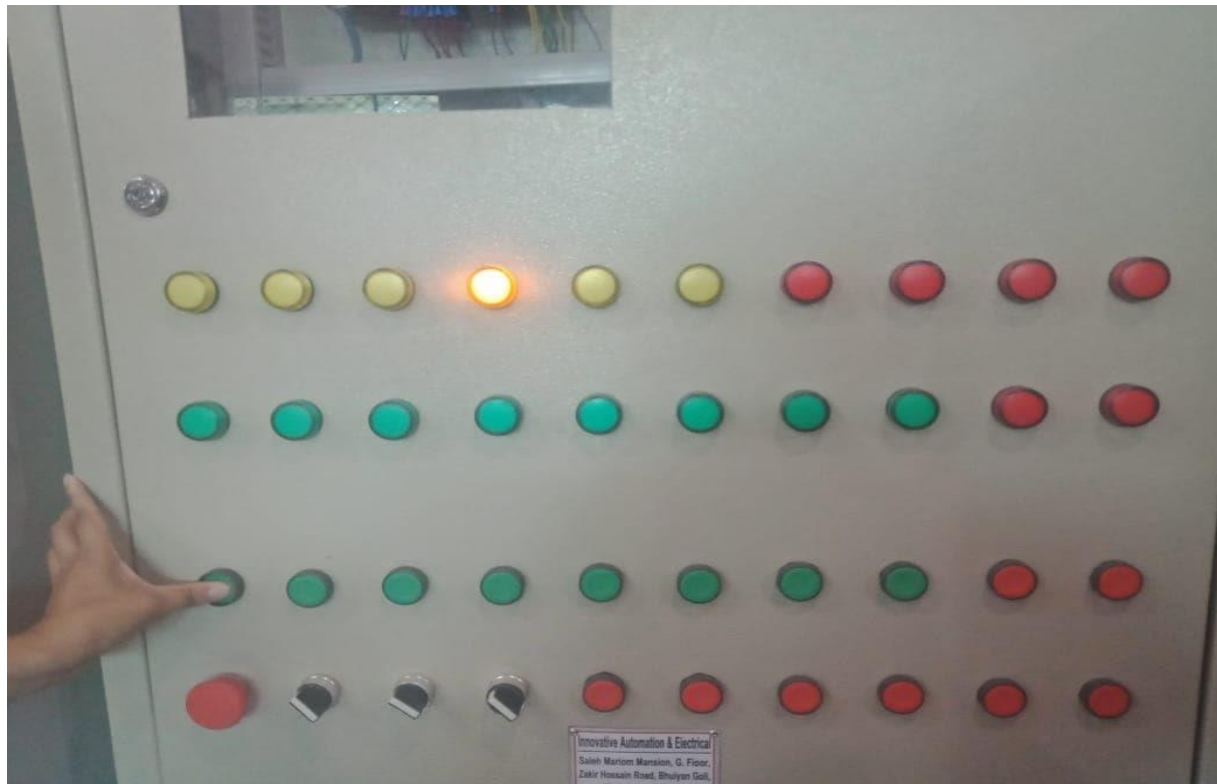
**Ladder Diagram :**







**OUTPUT :**





**Discussion :** By using PLC, we tried to get the traffic system. This traffic system will be helpful to control the traffic of one city. This is the programmable system. We can the simultaneous output which we want to control the traffic. Now-a-days the traffic problem causes everywhere. Manual control for 24 hours of a traffic light is time consuming. So it will decrease the time complexity and the sufferings.