

Assignment 2

1. For the e- Police Station system, do the following. a) Victim should file a complaint and the Inspector should process it and maintain the status file. b) Passport eligibility done by age constraint and criminal history, display the status of the passport. Draw the Argo UML **Activity** and **State Chart Diagram**.

2. Use CASE tool to solve the following: Use any reasonable assumptions. “A machine shop produces many parts which it takes on contract. It employs many machinists who operate any of the machines. A part needs working on only one machine. A record is kept on the quantity of material needed for producing each part. The production of each part is tracked by giving a job number, start time and end time and machinist identification.” Relate **use cases and system sequence diagram(SSD)** for the given scenario.

3. We all have used an elevator. The following steps describe the scenario of what happens at the elevator door from outside.

1. The passenger presses the button of either up or down depending on where he wants to go.
2. Then he will see that the button he pressed is illuminated.
3. The elevator is now moving to his floor.
4. When the elevator reached his floor it stops.
5. Now the button which was illuminated now off.
6. The door opens and the passenger enters.
7. The door closes.

Combine all the scenario into one and Draw a **package, component and deployment diagram** for the above scenario.