Tutorial 2

1) **Mundane Task:** Very ordinary & not at all interesting or unusual.

Formal Task: Logical tasks like Chess.

Expert Task: Complex tasks like scientific Analysis, Creativity

a) **Helpdesk Assistance:** Mundane, as it is common sense reasoning for technique problem solving is needed here.

b) **Diseases Predictor:** It is an expert task. We need to make decision from prior knowledge.

c) **Flowchart Generator:** Formal Task as for fixed commands, we have fixed shapes & diagrams.

2) a) **Self-driven Cars**
 Performance: Comfort, time, legal drive, safety
 Environment: Roads, other cars, pedestrians, signs
 Actuators: Steering, Brake, horn, Signal, accelerator
 Sensor: GPS, odometer, speedometer, sonar, camera, engine sensor, accelerometer.

b) Number Plate Detection System

Performance : Correct letter & digit recognisation
Environment : Different lightening condition,
           different weather conditions
Actuators : Files, monitor screen
   Sensors : Camera