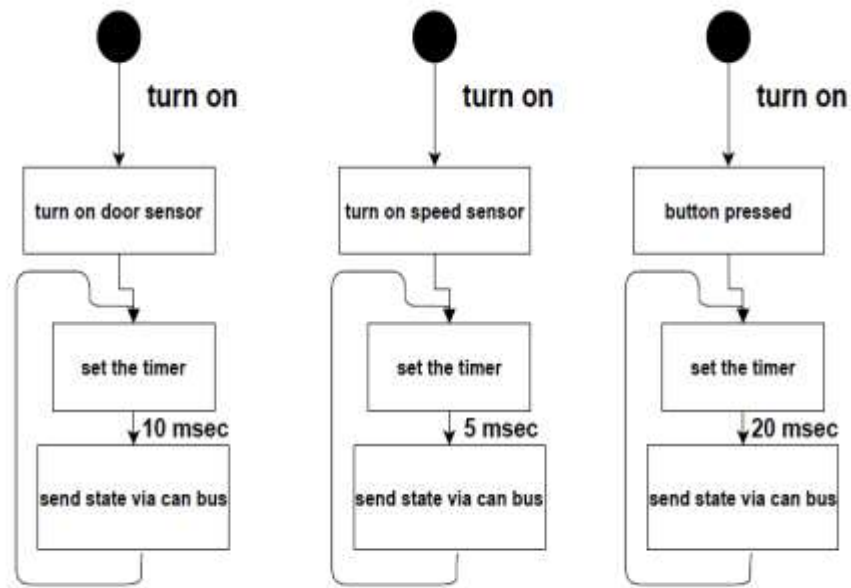
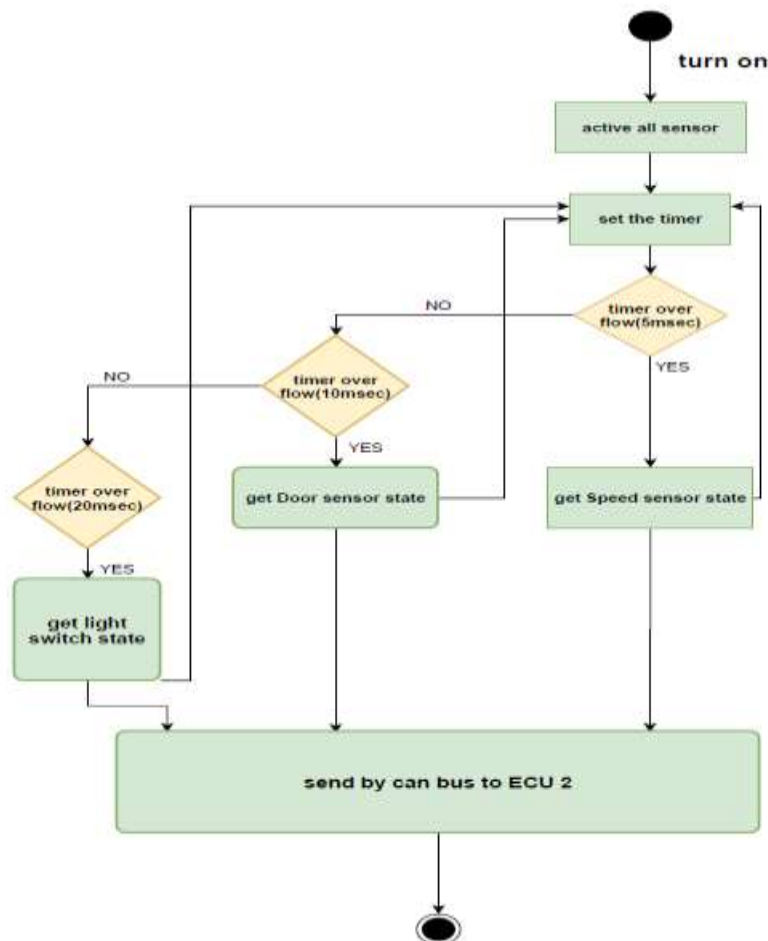


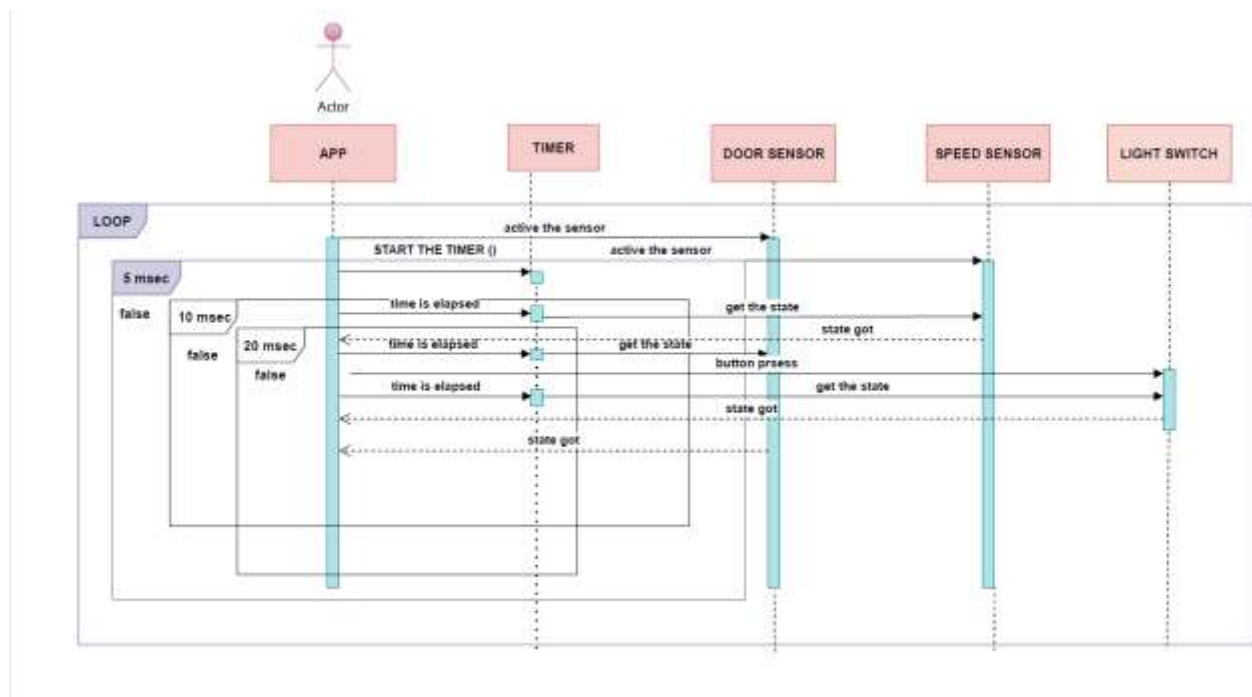
1. Draw a state machine diagram for ECU 1 component



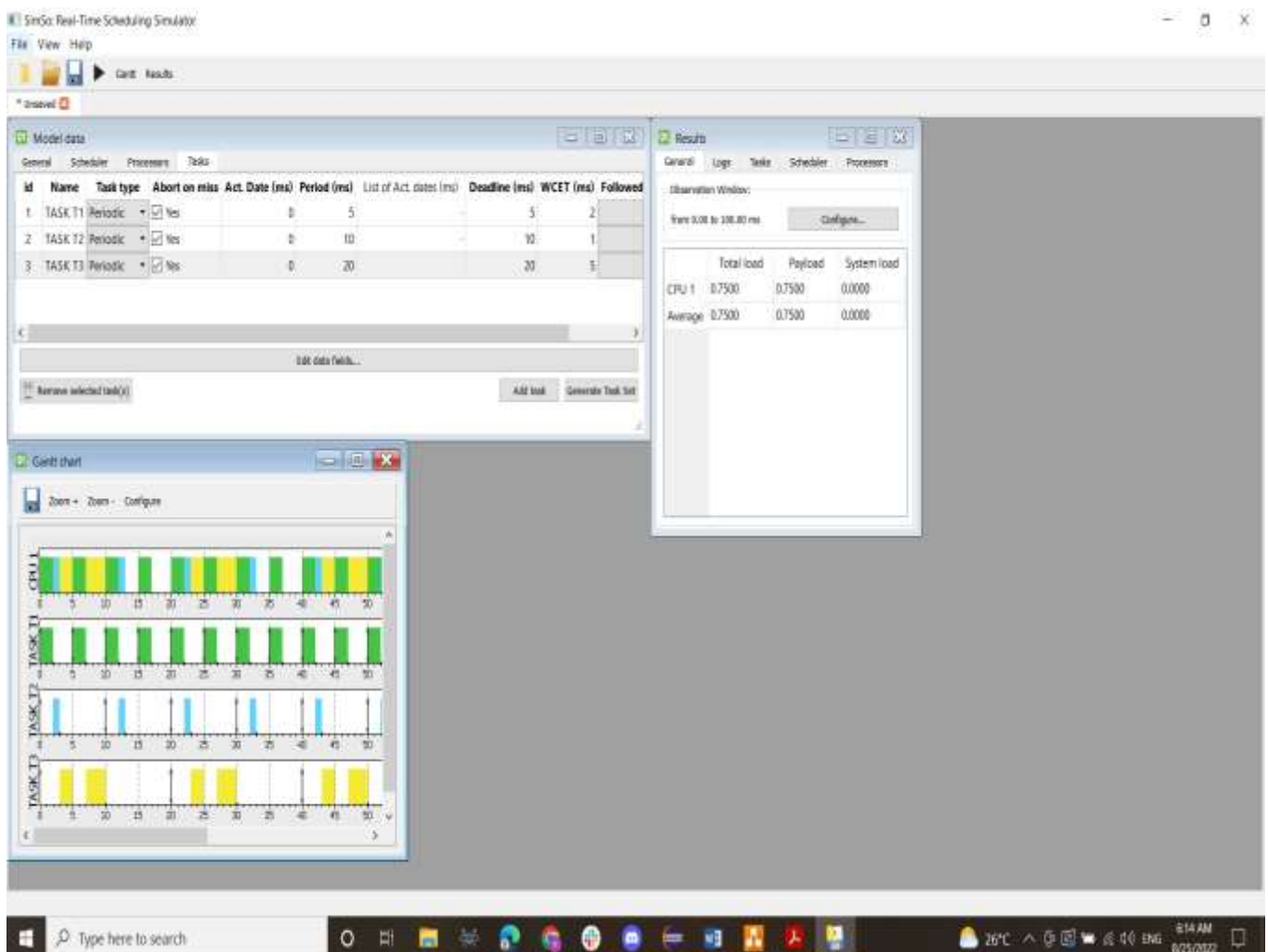
2. Draw a state machine diagram for the ECU 1 operation



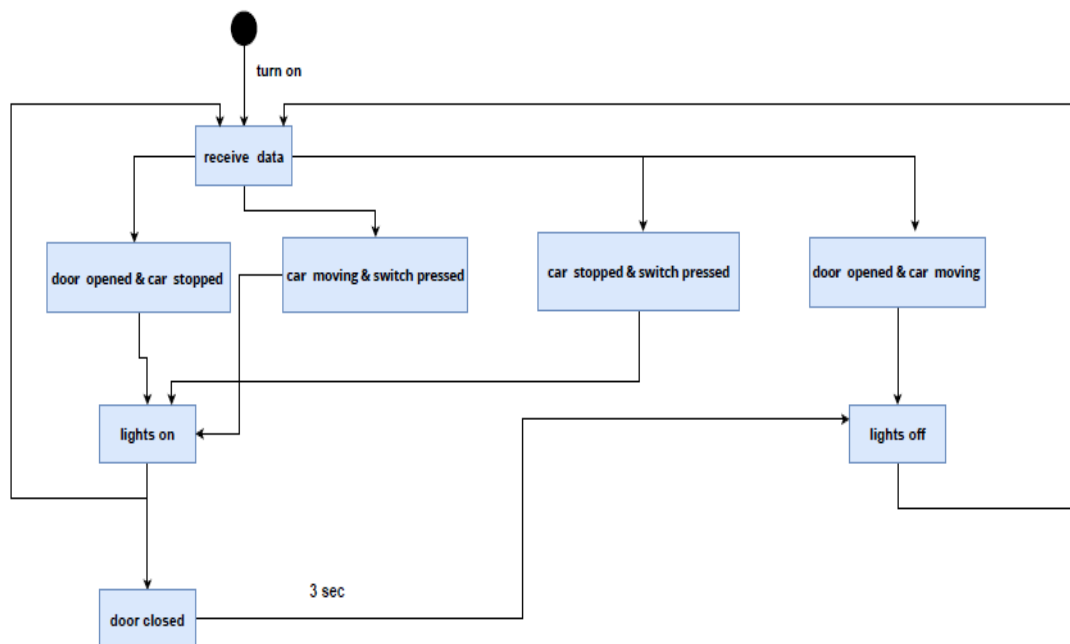
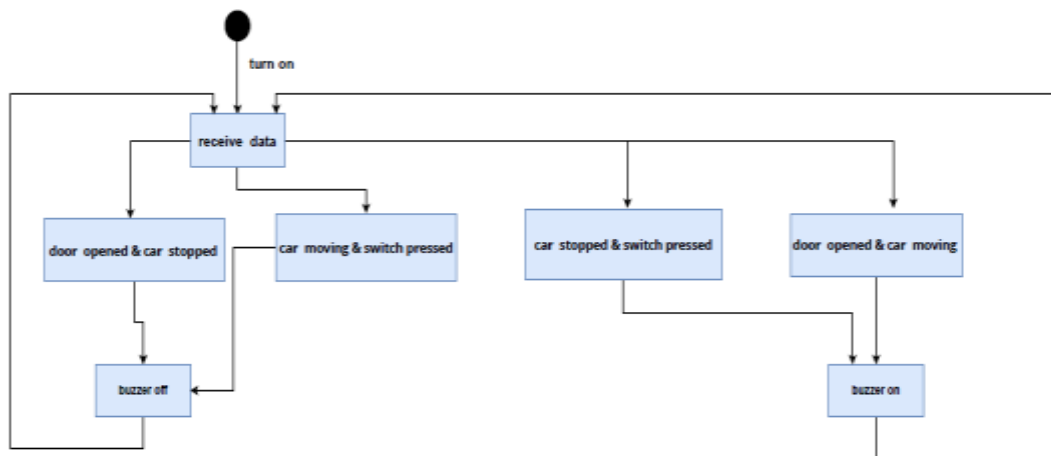
3. Draw the sequence diagram for the ECU



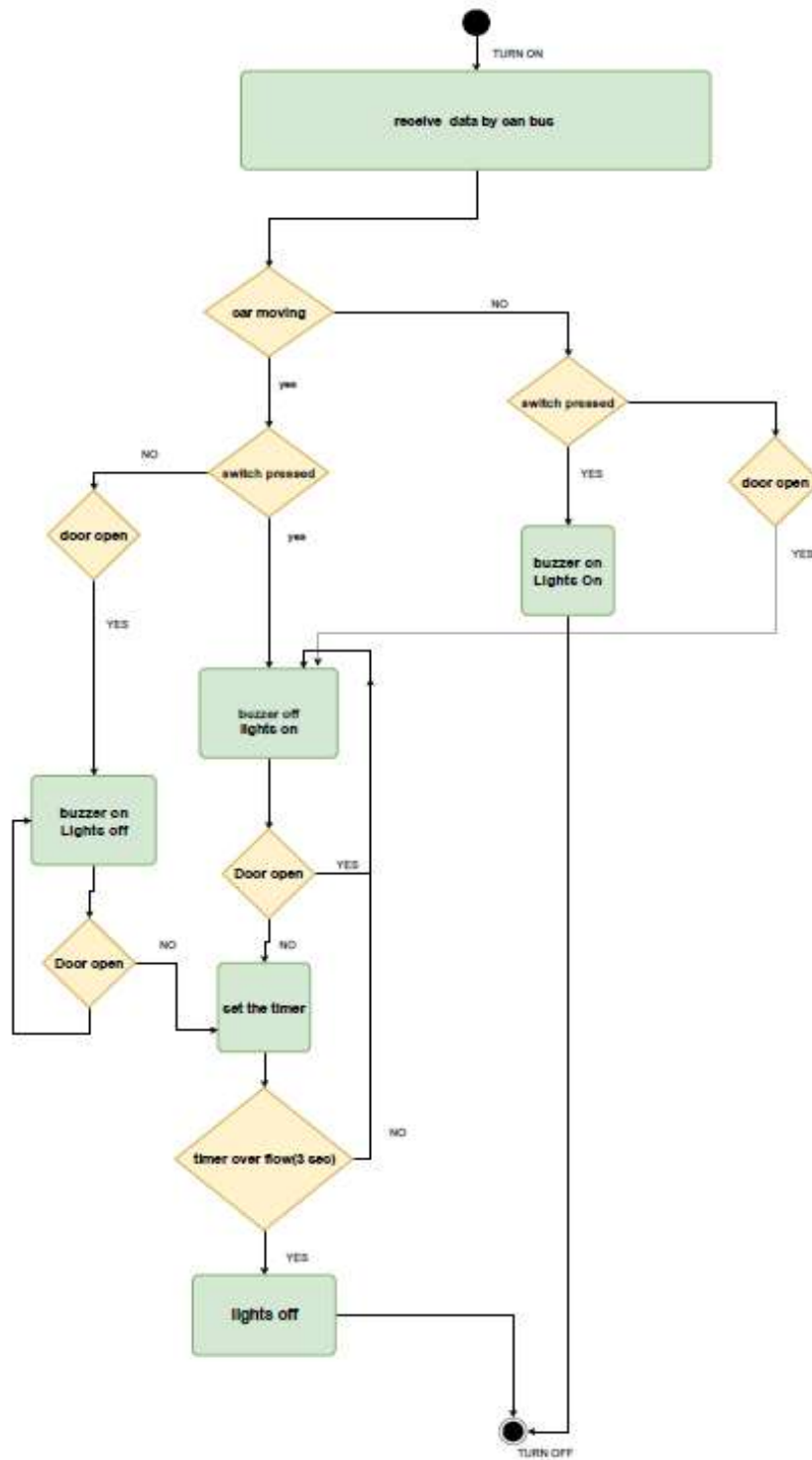
4. Calculate CPU load for the ECU



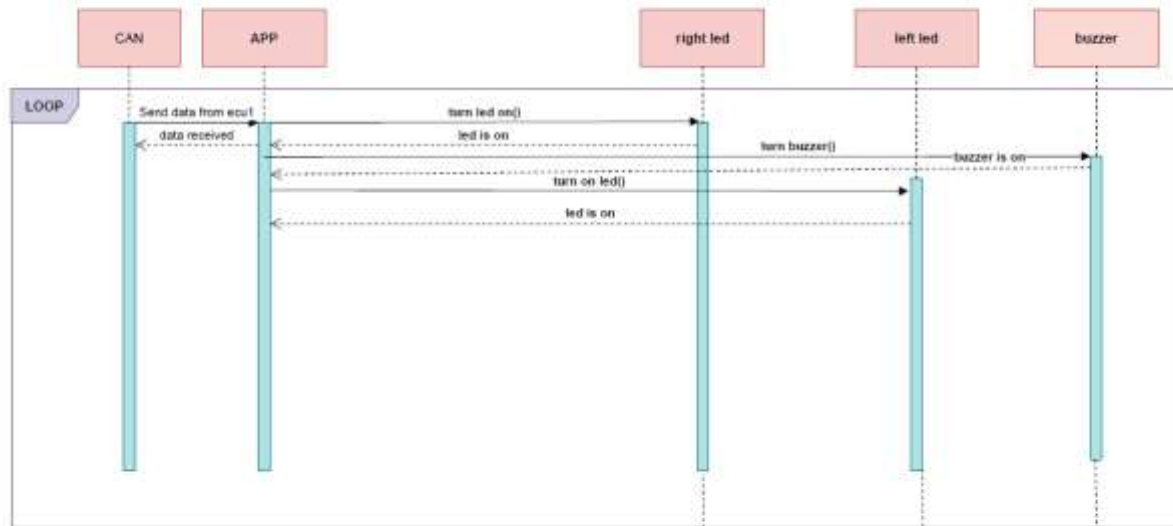
5. Draw a state machine diagram for ECU 2 component



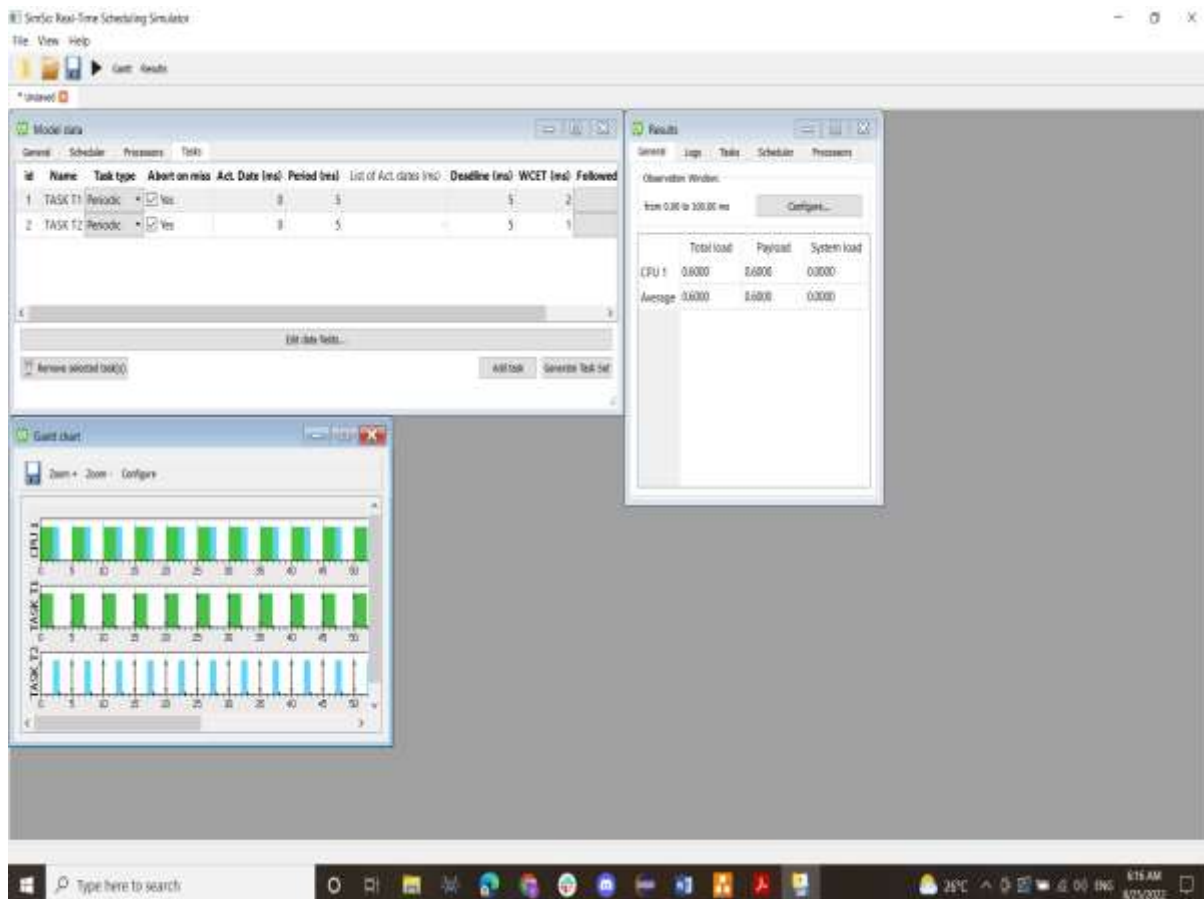
6. Draw a state machine diagram for the ECU 2 operation



7. Draw the sequence diagram for the ECU 2



8. Calculate CPU load for the ECU



Bus load calculation

Bus load=total bits/125000

Bus load=32/125000=0.000256

= 0.0256%