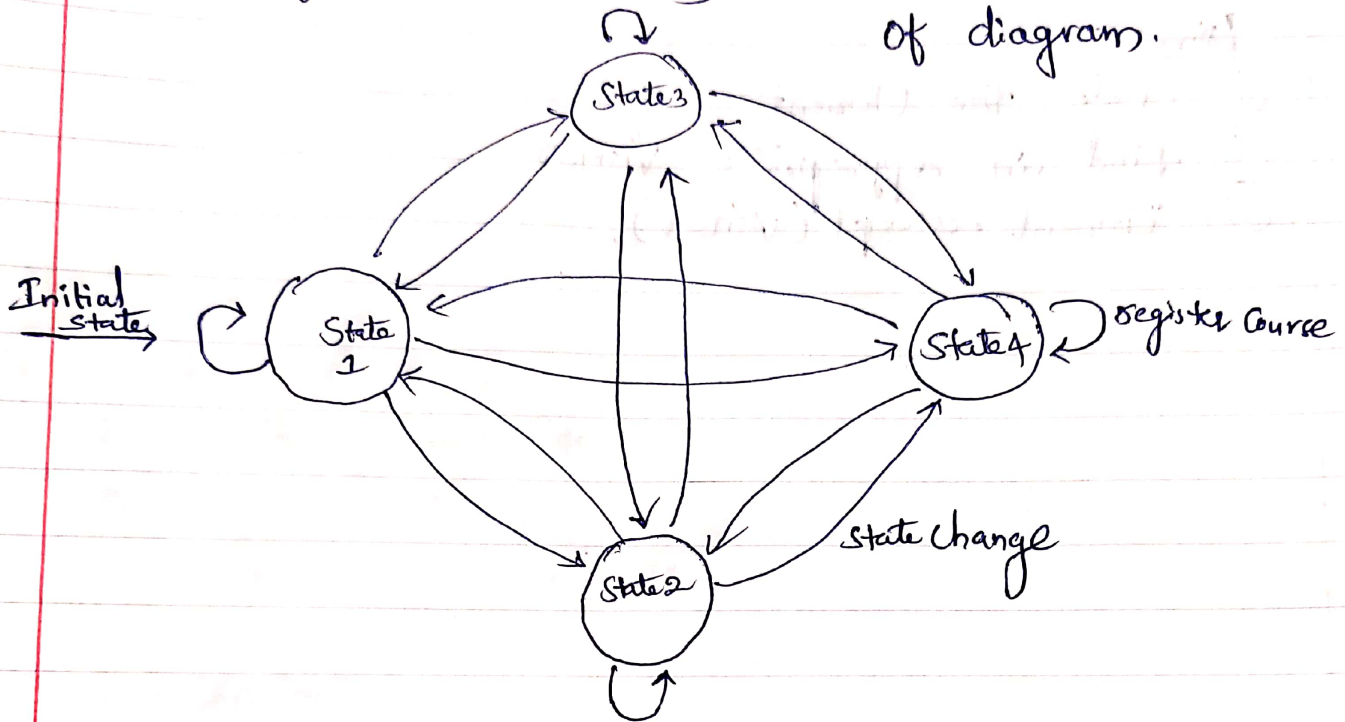


State diagrams:- Used only four states to reduce the complexity of diagram.



* There is a possibility to go from any one of the state (current state) to all the other states based on the condition: Given in the assignment description