| Industrial Robotics (R15/R17/R19) | |
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| CO# | # Student will be able to |
| CO 1 | Analyze the manipulator design including actuator, drives and sensor Issues |
| CO 2 | Calculate the forward kinematics, inverse kinematics and Jacobian for serial and parallel robots |
| CO 3 | Identify different types of end effectors and sensors required for specific applications |
| CO 4 | Develop programming principles and languages for a robot control system |
| CO 5 | Discuss various applications of industrial robot systems |
| CO 6 | Develop relationship between mechanical structures of industrial robots and their operational workspace characteristics. |