

Department of Mechanical Engineering, NIT Srinagar

B.Tech. (4th Semester), Spring 2020

CAM & Industrial Automation (MEC405)

Assignment-III

Last Date for submission: **25th May, 2020**

<ol style="list-style-type: none">1 Why should Automation be implemented in manufacturing industries? Discuss some points against the use of Automation in manufacturing industries.2 What do you mean by directional control valve? Describe 2/2 and 3/2 directional control valves. Draw any six valve actuation symbols.3 How directional valve is used for controlling single acting cylinder?4 Design pneumatic circuit for vehicle door operation.5 Explain the working of double acting cylinder.	CO4
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- **Submit the scan copy of your assignment by uploading on Google classroom (Code: [2fj2xxf](#)) on or before the last date of submission.**