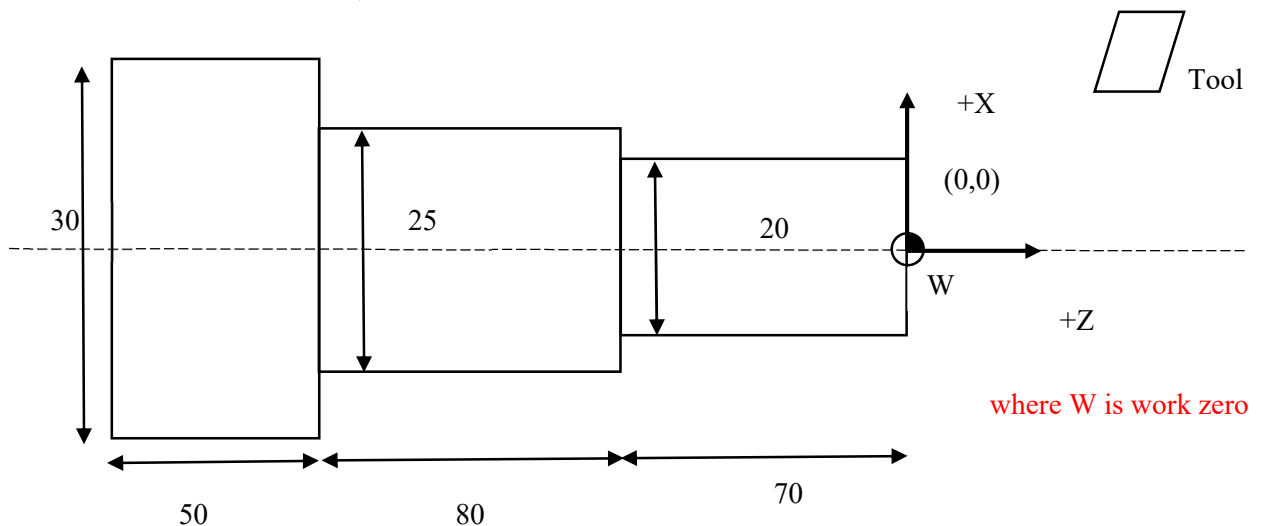


CNC – Assignment 2

Submission date: 6 November 2024 upto 11.00 a.m.

Instructions: Submit the neat and clean assignment within prescribed time. Preferable A4 size white page.

- Q.1. What is slideways? Explain different type of slideways used in NC machines.
Q.2. What is automatic tool changer? Explain different type of tool magazine used in CNC machines.
Q.3. Discuss any two swarf removal methods in CNC machine.
Q.4. Define control system. Describe two type of control system in detail.
Q.5. What are actuators? Give the type of actuators used in CNC. Explain any two in detail with neat sketch.
Q.6. What do you mean by transducer? Write its characteristics.
Q.7. What is a sensor? Name different type of sensors.
Q.8. Explain the principal of LVDT with the help of neat sketch.
Q.9. Differentiate between encoder and decoder.
Q.10. Write a simple program in absolute mode for step turning. A sample template is given below. (hint: - get familiar with G-code and M-code)



N01 G90 G18 G71 G54 G40; (Parameter setting refer G Codes)

N05 M03 S200; (Spindle start in Clock wise at speed of 200rpm)

Insert Your code here

M30; (Programme Stop)