

DEPARTMENT :MECHANCIAL SEMESTER : 4th SUBJECT NAME: MANUFACTURING PROCESS

SUBJECT CODE: 3141908

FACULTY NAME : Asst. Prof Harin Prajapati

Assignment -1

Ch-1 Basic machine Tool and Metal Cutting Principles

- 1. Give the Classification of Machining Processes and Also discuss the major factors influence the selection of a suitable machining process.
- 2. What is Tool Signature and Tool Geometry? Explain importance of tool angles for single point cutting tool.
- 3.State the desirable property of cutting fluids. Derive the expression for shear angle and chip thickness ratio.

