

**MVSR Engineering College, Nadergul.**  
**Department of Mechanical Engineering**  
**COURSE OUTCOMES**

Class: B.E.III Year II Sem (Mech. Engg.)

Name of the Course: **Metal Cutting and Machine Tool Engineering Lab**

Course Code: ME 381

At the end of the course student is able to

	Course outcomes (CO)	POs
M 381.1	Recognize and summarize the features and applications of various machine tools like Lathe, Milling, Drilling, Grinding, Shaping, Slotting etc.	PO1, PO2, PO7,PO9,PO10, PO12
M 381.2	Select cutting tool materials and tool geometries along with appropriate cutting conditions for different work materials and grind the cutting tools to the required geometry.	PO1, PO2, PO3,PO4,PO12
M 381.3	Operate lathe machine to perform operations like Plain turning, Step turning, Taper turning and Thread cutting etc	PO1, PO5, PO6,PO9,PO10, PS02
M 381.4	Operate various machine tools like Milling, Slotting, Shaping, Drilling, Surface grinding and cylindrical grinding machines and Electro Discharge Machining (EDM) to perform basic metal removal operations.	PO1, PO2, PO5, PO6, PO7, PO9, PO10, PO12, PS02
M 381.5	Conduct tests to determine temperatures and tool life in metal cutting	PO4, PO6, PO7,PO9,PO10