



**DEPARTMENT OF MECHANICAL ENGINEERING**

**NAME OF THE LAB: MANUFACTURING TECHNOLOGY LAB**

**LAB CODE: 17MECC83**

S. No.	List of Exercises	You tube link
1	Make a square end from a given round bar by using shaping machine.	<a href="https://youtu.be/KWVMF9MRxi8">https://youtu.be/KWVMF9MRxi8</a>
2	Make an inclined surface from a given specimen by using shaping machine.	<a href="https://youtu.be/apgnywJv784">https://youtu.be/apgnywJv784</a>
3	Make a hexagonal block from a given round stock by using plain milling machine.	<a href="https://youtu.be/U0_oFPXh5tc">https://youtu.be/U0_oFPXh5tc</a>
4	Make a spur gear from the given blank by using universal milling machine.	<a href="https://youtu.be/KJ3G_oEmtKU">https://youtu.be/KJ3G_oEmtKU</a>
5	Make an external keyway on a given round rod by using vertical milling machine.	<a href="https://youtu.be/cWEC1pTmDw8">https://youtu.be/cWEC1pTmDw8</a>
6	Make an internal keyway on a given hollow specimen by using slotting machine.	<a href="https://youtu.be/OW1yMK864ew">https://youtu.be/OW1yMK864ew</a>
7	Make a grinding process on a machined surface as given surface finish by using cylindrical grinding machine.	<a href="https://youtu.be/o01QGMCphTY">https://youtu.be/o01QGMCphTY</a>
8	Make an internal thread cutting on a given specimen as per given dimensions by the sequence drilling, boring, reaming and tapping by using respective tools and machines.	<a href="https://youtu.be/IU2p6RsDKag">https://youtu.be/IU2p6RsDKag</a>
9	<b>Beyond syllabus</b> Make a grinding process on a machined surface as given surface finish by using Surface grinding machine.	<a href="https://youtu.be/1_e0aG9Ob_8">https://youtu.be/1_e0aG9Ob_8</a>