

Mechanical Engineering Department

Bridge Course-6 hrs

Sr. No.	Topic	General Objective	Outcome
1	Units and Measuring Instruments	Students will refresh different unit systems, types of units and measuring instruments for them	❖ Students should aware about different physical quantity and instruments for their measurement.
2	Demonstration of energy conversion systems using model/Charts	Students can understand different energy conversion systems.	<ul style="list-style-type: none">❖ Students will be able to explain the application of energy conversion systems.❖ Students will be able to explain function of various components of energy conversion systems.
3	Power transmission system and bearings	Students will familiarize with different power transmission system and bearings.	❖ Students will be able to list different types of Bearings, gears and power .
4	Drawing instruments	<p>Students will familiarize with utilization of different instruments for engineering drawing.</p> <p>Students should aware of software(s) available for drawing.</p>	<ul style="list-style-type: none">❖ Students will be able to find the capabilities and limitations of different drawing instruments.❖ They will be able to use different drawing instruments.❖ Students will be able to enlist drawing software(s).

5	Geometrical Construction	Students will get familiarized from different kind of geometrical construction by using drawing instruments.	<ul style="list-style-type: none"> ❖ Students will be able to draw the different standard geometrical shapes. ❖ They will be able to generate different link mechanism by the use of conventional portable light links. ❖ They will be able to understand the concept of loci of points by using this link mechanism.
6	Introduction to Orthographic Projection	Students will familiarize to different kinds of projection/views of simple objects.	<ul style="list-style-type: none"> ❖ Students will be able to identify different projection planes and different views, such as front view, side views, top view for simple objects.