



**DEPARTMENT OF MECHANICAL ENGINEERING**

**Virtual Lab Link:**

Sl. No.	NAME OF THE EQUIPMENT	Hyper Link
1	Port Timing diagram.	<a href="https://youtu.be/wC6N9mw32fk">https://youtu.be/wC6N9mw32fk</a>
2	Valve Timing diagram	<a href="https://youtu.be/7SP-yzA_KmQ">https://youtu.be/7SP-yzA_KmQ</a>
3	Performance test on 4 – stroke Diesel Engine with Mechanical loading	<a href="https://youtu.be/BjGWMRxKpTQ">https://youtu.be/BjGWMRxKpTQ</a>
4	Performance test on 4 – stroke Diesel Engine with Electrical loading	<a href="https://youtu.be/p5M5Eul_JmE">https://youtu.be/p5M5Eul_JmE</a>
5	Heat Balance test on 4 – stroke Diesel Engine.	<a href="https://youtu.be/uOYsIENZInc">https://youtu.be/uOYsIENZInc</a>
6	Morse test on Multi-cylinder Petrol Engine.	<a href="https://youtu.be/pzHuwrrpgyAM">https://youtu.be/pzHuwrrpgyAM</a>
7	Determination of Flash Point and Fire Point of various fuels/lubricants.	<a href="https://youtu.be/1QVoqaQr9Q0">https://youtu.be/1QVoqaQr9Q0</a>
8	Thermal conductivity measurement using guarded plate apparatus.	<a href="https://youtu.be/_0BVkYW5IXg">https://youtu.be/_0BVkYW5IXg</a>
9	Thermal conductivity measurement of pipe insulation using lagged pipe apparatus.	<a href="https://youtu.be/a-KJgmMYvQ4">https://youtu.be/a-KJgmMYvQ4</a>
10	Determination of heat transfer coefficient under natural convection from a vertical cylinder.	<a href="https://youtu.be/W1yJwreRYwg">https://youtu.be/W1yJwreRYwg</a>
11	Determination of heat transfer coefficient under forced convection from a tube.	<a href="https://youtu.be/B-rFIdOi-No">https://youtu.be/B-rFIdOi-No</a>
12	Determination of Thermal conductivity of composite wall.	<a href="https://youtu.be/HbzUeBCmjNQ">https://youtu.be/HbzUeBCmjNQ</a>
13	Determination of Thermal conductivity of insulating powder.	<a href="https://youtu.be/0xcHIOWt88">https://youtu.be/0xcHIOWt88</a>
14	Heat transfer from pin-fin apparatus	<a href="https://youtu.be/D3pLInnBy_A">https://youtu.be/D3pLInnBy_A</a>
15	Determination of Stefan – Boltzmann constant.	<a href="https://youtu.be/MUAc_pAMNig">https://youtu.be/MUAc_pAMNig</a>
16	Determination of emissivity of a grey surface.	<a href="https://youtu.be/YQTB50AaKsc">https://youtu.be/YQTB50AaKsc</a>
17	Effectiveness of Parallel / counter flow heat exchanger.	<a href="https://youtu.be/w9A_0IIJrdg">https://youtu.be/w9A_0IIJrdg</a>
18	Determination of COP of a refrigeration system	<a href="https://youtu.be/6PYa3b9MiVI">https://youtu.be/6PYa3b9MiVI</a>
19	Performance test on a reciprocating air compressor	<a href="https://youtu.be/UADNxsgQo_Y">https://youtu.be/UADNxsgQo_Y</a>
20	Performance test in a Cooling Tower	<a href="https://youtu.be/BTCzsoWk7Wo">https://youtu.be/BTCzsoWk7Wo</a>
21	Performance test in an Air-conditioning test rig	<a href="https://youtu.be/fVYT6y0VI4">https://youtu.be/fVYT6y0VI4</a>