



# RajaRajeswari College of Engineering



(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

## Department of Mechanical Engineering

<b>Laboratory Name</b>	:	Energy Conversion Lab
<b>Room No./Hall No.</b>	:	LG09
<b>Area</b>	:	140 m <sup>2</sup>
<b>Layout</b>	:	<p>The diagram illustrates the layout of the Energy Conversion Engineering Laboratory, which is 14.6 Mtr. wide and 9.9 Mtr. deep, totaling 140m<sup>2</sup>. The layout includes:</p> <ul style="list-style-type: none"> <li><b>Top Row (Left to Right):</b> 2 Stroke Petrol Engine Test Rig, Variable Compression Ratio Petrol Engine Test Rig, 4-Stroke Petrol Engine Test Rig, Diesel Engine Test Rig, 2-Stroke Petrol Engine Valve Timing Diagram.</li> <li><b>Left Side (Top to Bottom):</b> Boys Gas calorimeter, Multi Cylinder Petrol Engine Morse Testrig.</li> <li><b>Center:</b> Students Seating (arranged in two rows of five).</li> <li><b>Right Side (Top to Bottom):</b> Staff Table, Writing Board, Staff Table.</li> <li><b>Bottom Row (Left to Right):</b> ENTRY, Torsion Viscometer, Red Wood Viscometer, Say Bolt Viscometer, Ables Flash Point Apparatus, 2 Pensky Martens Flash Point Apparatus, 2-Stroke Diesel Engine Valve Timing Diagram.</li> </ul>
<b>Link to geo tagged photos</b>	:	<p>ME Energy Lab-LG09 RajaRajeswari College of Engineering, Bengaluru, Karnataka 560074, India Lat N 12° 53' 10.986" Long E 77° 26' 59.4456" 23/09/21 10:06 AM</p> <p>GPS Map Camera 77° E 35.0 μT</p>



## Department of Mechanical Engineering

### Photos

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### List of Equipment's

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Sl. No.	Name of The Equipment	Qty.
1	Flash and Fire Point (Penskey)	01
2	Flash and Fire Point (Abel's)	01
3	Redwood Viscometer	01
4	Planimeter	01
5	Say Bolt's Viscometer	01
6	Torsion Viscometer	01
7	Bomb Calorimeter	01
8	Boy's Gas Calorimeter	01
9	Port Timing Diagram For Two Stroke	01
10	Valve Timing Diagram for four Stroke Diesel Engine	01
11	Four stroke single Cylinder Diesel Engine	01
12	Two Stroke Single Cylinder Petrol Engine test rig	01
13	Four stroke single Cylinder Petrol Engine	01



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		14	Variable Compression ration Petrol Engine Test Rig	01	
		15	Morse Test on Multi Cylinder Engine Test Rig with Hydraulic Dynamometer	01	
		16	Carbon Residue Apparatus	01	
		17	Four Gas Analyser	01	
		18	MARS Smoke Meter Modal SM-05	01	
		19	Tool Kit	01	

  
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