



# GOVERNMENT COLLEGE OF ENGINEERING AND RESEARCH

Avasari (kh), Tal : Ambegaon, Dist : Pune

*7 Day's Workshop On*

## OVERHAULING & MAINTENANCE OF

## FOUR WHEELER ENGINE

(16<sup>th</sup> to 23<sup>rd</sup> December-2016)

**Organized By,  
Department of  
Automobile Engineering**



**AUTOMOBILE ENGINEERING DEPARTMENT,  
G.C.O.E.A.R.AVASARI KHURD**


Proposed Schedule for 7 days Workshop on  
**“Overhauling and Maintenance of Four Wheeler Engine”**

Name of Expert Speaker:-**Mr. Vaijanath Moreshwar Kulkarni, Proprietor,**  
M/S. Kulkarni Automobiles, Authorized Distributor of Hero Motors- Spares & Service, Raykar  
Mala, Sinhgad Road, Pune. 411041  
( Mobile No.- 9271456110, 9922797309 Email- [vaijanath.k28@gmail.com](mailto:vaijanath.k28@gmail.com) )

<b>Date</b>	<b>From</b>	<b>To</b>	<b>Title of Expert session</b>
16-12-2016 Session-I	10.00 a.m.	1.00 p.m.	Introduction of Engine classification and some basic details about IC Engine, practical workshop
16-12-2016 Session-II	1.30 p.m.	5.30 p.m.	Basic tools and equipment used in workshop, how to use them and care to be taken in workshop
17-12-2016 Session-I	10.00 a.m.	1.00 p.m.	Dismantling of Engine from Vehicle chassis and practical experience
17-12-2016 Session-II	1.30 p.m.	5.30 p.m.	Dismantling of Engine Components, step by step instructions
18-12-2016 Session-I	10.00 a.m.	1.00 p.m.	Cleaning of Engine parts with Nylon brush, kerosene, compressed air and water pressure, practical workshop
18-12-2016 Session-II	1.30 p.m.	5.30 p.m.	Engine details-Crank shaft, piston, piston rings, Connecting rod, Valve Timing, TDC-BDC Bore, Stroke, practical approach
19-12-2016 Session-I	10.00 a.m.	1.00 p.m.	Dismantling of cylinder head, Removing Valves inlet and exhaust valve Steam cleaning, Valve timing, practical approach
19-12-2016 Session-II	1.30 p.m.	5.30 p.m.	Fault finding in Engine system, Clutch system, Ignition system, Valve Timing, checking of all Engine and practical approach
20-12-2016 Session-I	10.00 a.m.	1.00 p.m.	Necessary components for the Engine assembling, packaging set, Oil seal, setting of O rings, procedure of their use.
20-12-2016 Session-II	1.30 p.m.	5.30 p.m.	Assembling of Cylinder head, Valves timing Rocker arm and cam Shaft head balancing.
21-12-2016 Session-I	10.00 a.m.	1.00 p.m.	Engine Refitting, detailed care to be taken of all part fitting, Different techniques of engine part fitting. Use of specific tools and equipment.
21-12-2016 Session-II	1.30 p.m.	5.30 p.m.	Engine assembling cylinder Block head, Crankshaft, piston, and Oil Chamber, Engine fitting on chassis
22-12-2016 Session-I	10.00 a.m.	1.00 p.m.	Maintenance timing and engine start and tune up of the engine, test drive of vehicle, Fault finding, practical session
22-12-2016 Session-II	1.30 p.m.	5.30 p.m.	Problem solving explanation through case studies and exercise, time management, Introduction to automobile service sector

**COMPULSORY FOR ALL B.E.(AUTOMOBILE) STUDENTS. APRON IS NECESSARY.**

  
**Assistant Professor**  
**Dept. of Automobile Engineering**  
Govt. College of Engg. and Research,  
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**Head of Department,**  
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