



GOVERNMENT COLLEGE OF ENGINEERING AND RESEARCH

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

7 Day's Workshop On

OVERHAULING & MAINTENANCE OF

FOUR WHEELER ENGINE

(16th to 23rd December-2016)

**Organized By,
Department of
Automobile Engineering**



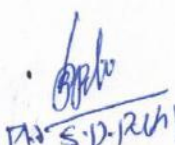
**AUTOMOBILE ENGINEERING DEPARTMENT,
G.C.O.E.A.R.AVASARI KHURD**


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)

Date	From	To	Title of Expert session
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.


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