

REPORT on Two day Workshop on “INTERNAL COMBUSTION ENGINE”

The Mechanical engineering department organised 2 days workshop on “Internal combustion engines” on 10th & 11th March 2018. The workshop was coordinated by Prof. Sunny Rach under the guidance of Head of the department Prof. Ramesh Mevada. Total 40 students were registered for the workshop and enthusiastically attended the workshop. Also some of the faculties took active part in the workshop. The more details about the workshop is as follows:

Objective:

- Provide Practical knowledge about automobile engine.
- Develop engine dismantle and assemble skills.

Saliency:

- One to one workshop
- Theoretical and “Hands-on” session
- Practical & Theory session will be going together
- Conducted by corporate personnel Mr. Bhargav Thakrar from Beyond Theory Pvt. Ltd.

Overview of the Event:

Session 1 (Day 1) • Types of engine • Understanding of Cylinder head • Function and working of cam shaft • Types of spark plug • Working of spark plug • Working of valve • Understanding of Cylinder & Piston • Function of Piston rings • Understanding of CC and compression ratio • Function and working of Alternator

Session 2 (Day 1) • Types of Gearbox • Types of Clutch • Function and working of Clutch • Function and working of Flywheel

Session 3 (Day 2) • Understanding of Power, Torque and Speed • Working of Gearbox • Working of Gear-shifter • Working of kick start • Function and working of oil pump • Engine oil gallery • Assemble of engine

Session 4 (Day 2) • Types of carburettor • Function and working of carburettor • Air-fuel ratio • Function and working of ASV • Electric circuit for battery charging and vehicle starting • Interaction with students about real life engine

problems • Terminology of bike specification • Trouble-shooting • Quiz • Certificate Distribution

Specification of the engine:

4 stroke, 1 cylinder Spark Ignition IC engine (Honda Glamour Engine 125 CC)

- All participants got participation certificate with unique verification code.
- Quiz winners also got separate Merit certificates.
- Student coordinators also appreciated with certificates

The following are few glimpse of the event:



Welcoming of the Expert by Head of the Department



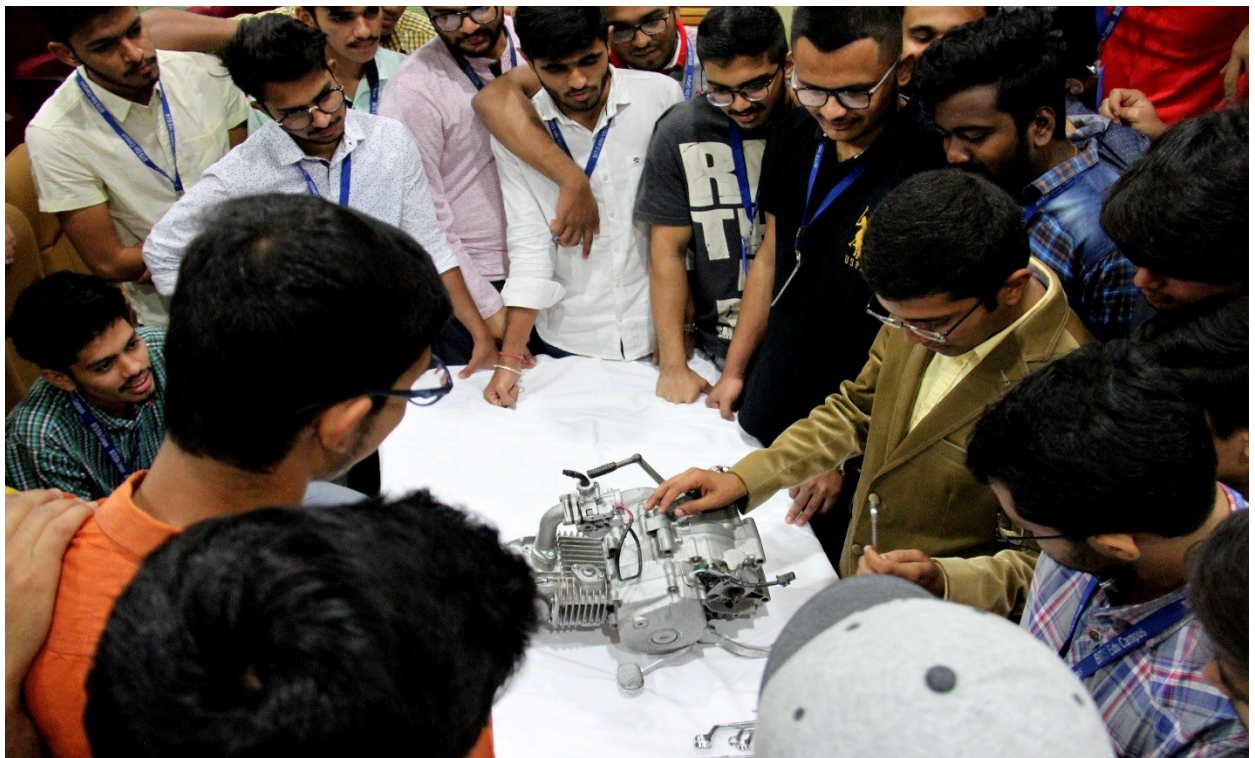
Welcoming of guest by By Prof. Sachin Daxini



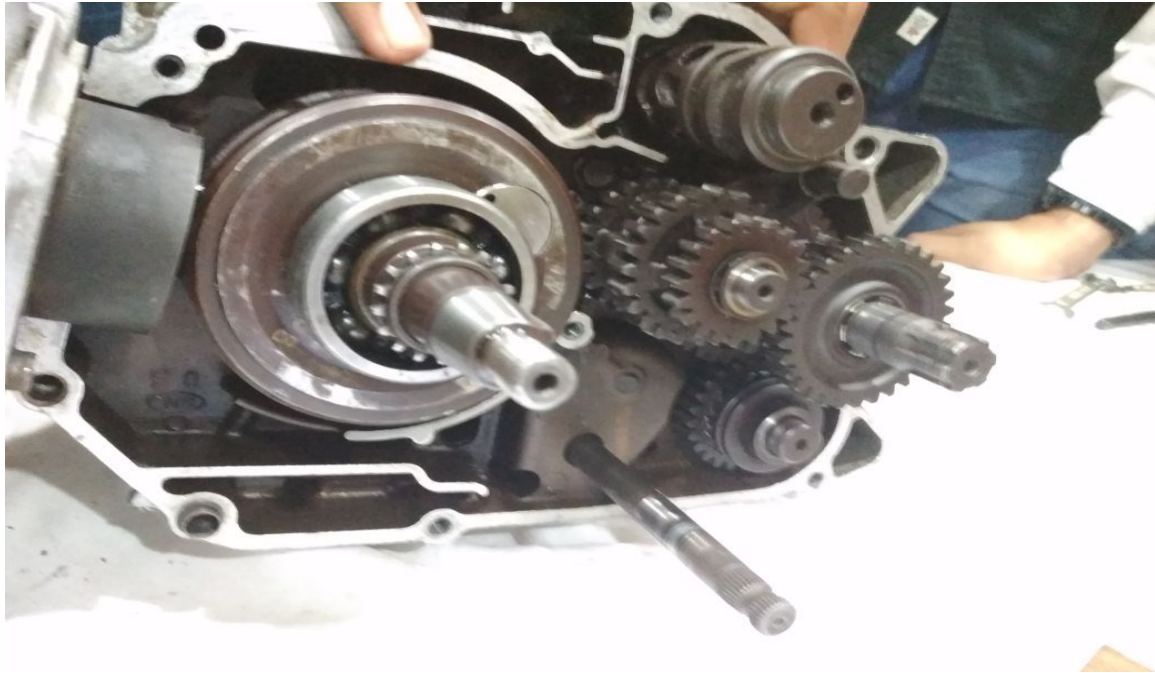
Welcome speech by Prof. Ramesh Mevada (HOD)



Sessions conducted by Mr. Bhargav Thakrar (Expert)



Practical Session by Expert



Gear Box of An engine



Engine Components Explanations by expert



Assembling of Engine by students



Faculty members attending the session



Felicitation of Prof. Sunny Rach (Event Coordinator) by giving Memento



Group photo of students with faculties and Experts.