

## **VALUE ADDED PROGRAM HELD IN GOODWINS MOTORS**

**FROM 02.12.2019 TO 06.12.2019 (PADAPPAL)**

**On 02.12.2019**

### **Dismantle and assemble of bike engine(single cylinder engine)**

First they taught about the tools used for the dismantle and assemble of bike engine. After that they said to dismantle the engine and then they taught about the inlet and outlet valve and next step they taught about opening of head and then the side case and next they said about working and the principle of magnet coil.

Afternoon they taught about the working and principle of gear. Few minutes later they taught us about starter motor. And then disassemble the head, connector rod and cranshaft. They taught about the oil cooled engine, liquid cooled engine and air cooled engine. They taught about the gear shifter. With the help of the sir who taught the above things, we assembled the bike engine successfully.



**On 03.12.2019**

### **Dismantle and assemble of car engine**

First they teach about the tools used for the dismantle and assemble about car engine. After that they said how to open the engine and then they taught about the MIFN system and the say about the inlet valve and how it works and they said about outlet exhaust valve working and few minutes later and next step they taught us about steps for opening the engine. (i). to open the side oil filter (ii). to open the starter motor (iii) to open the head cover and then they had taught the different type of oil pim and then inlet

valve and outlet valve camshaft ten we want to remove the head of the engine next we take some break and then we remove the piston and chankshaft then conneting rod now we remove the oil sump then the taught about the piston and how the piston work what is TDC and BHC and much more had been taught by them about the cars , we assembled the bike engine successfully.



### **On 04.12.2019**

On the beginning of the day they taught about BMW car and then the overview of the BMW then they explain about the tyre capacity and how to find the size and thickness of the tyre that's the end of the day

### **On 05.12.2019**

The day started with happy moments of revision of all and that they taught about the differential and the working of it and we disassemble the differential and we came to know that what is inside it.

They taught us that the differential is a device that splits the engine torque two ways, allowing each output to spin at a different speed. And they told it is found in all modern cars and trucks, and also in many wheel drive vehicles.

### **On 06.12.2019**

On the last day of the value added program, we learned about the principle and working of scooter engine. They taught us that this engine feeds with a mixture of air and petrol in a controlled volume that determines the speed, acceleration and deceleration of the engine. The carburettor is controlled by a slide connected to the throttle cable from the handlebar twist grip which adjusts the volume of air drawn into the engine.

On the whole this value added program is very much useful for us and we came to know more about the engines. Our heartily Thanks for our Principal of our KCG college, HOD of our automobile department, Co-ordinator of this value added program.