

INDUSTRIAL VISIT TO

TVS MOTOR COMPANY, HOSUR PLANT, HOSUR on 20.08.2018

INTRODUCTION:

The Third year B.E. Mechanical Engineering '16ME5A' section students (2016 batch) has gone for Industrial visit to TVS Motor Company, Hosur Plant, Hosur on 20.08.2018.

INDUSTRIAL VISIT ARRANGMENTS DETAILS:

The Industrial visit arrangements have been divided into 2 batches under the control of two faculty members.

INITIATION LETTER:

The Initiation letter was sent on 20.07.2018 to visit TVS Motor Company, Hosur Plant, Hosur.

PERMISSION LETTER:

The permission letter was received on 26.07.2018.

TRANSPORT DETAILS:

Name of the Company : Sri Sabari Tours & Travels
Contact Person : K.Sabarinathan
Contact number : 9626981199

FACILITATORS:

The Accompanied Staff are:

1. Mr.M.Duraisamy, AP (Sr. Gr.) / Mech.
2. Mr. S.Surendar, AP/ Mech.

The student organizers are:

1. M.Ajay Dev – 16MER002

AIM OF THIS VISIT:

As the subject title 'Manufacturing Technology I & II' in Mechanical Engineering, we feel it will be fruitful that the students have a sight of the Manufacturing Plant to have a better appreciation of practical applications of theory.

PROCESS OBSERVED:

The visit inside the Company was guided by Mr. Sai Kumar (HR) of TVS Motor Company, Hosur. The following are learning outcomes. TVS Motor Company Hosur, a one among leading manufacturers of automobiles (vehicles) which has four manufacturing unit in its campus. The visit was made to the unit II - Two wheeler production units where 150cc Bikes and 310cc Superbikes are being manufactured. He took to the motorcycle manufacturing division where he explained the process involved in detail and had an interactive session with student enriched for their knowledge, procedure for internship, way to get in to TVS plant and got the glimpse of the overall plant. The session concluded with a brief on their collaboration between BMW. The manufacturing section involves various sub sections viz., manufacturing of engine components, engine assembly, engine testing, vehicle assembly, vehicle testing & painting sections etc.,

In all these sections, the work load by humans is reduced and almost automated. After engine manufacturing is complete, it is being checked for any defects by at least four inspection departments. All instructions to each and every section for workers are given by Standard Operating Procedure (SOP) which is meant by TMOS. Then after engine manufacturing, assembling of engine take place. From there, engine testing is done by means of various sensors. After the finalization of above processes engine are taken to the place where assembling of vehicle parts is done by means of nut runners, conveyors etc., Similarly while in section of testing, parameters such as Noise, Vibration, Performance and Harshness is being taken into account. Testing is done in four sections namely T1, T2, T3 & T4 for fuel efficiency, mileage, basic amenities etc., Final Vehicle Product Audit is performed in T4 sub section.

Next comes the painting section, this involves passivation as an initial step. The individual parts or components are being painted by the method of Electrolysis painting which involves anode and cathode in presence of electric field. Finally, after the assembling of all vehicle parts and when the vehicle is ready after all necessary test, it is being Export to authorized dealers from where the vehicles are distributed to the consumers. Once the Company visit is over, Mr. Sai Kumar of TVS clarified the doubts of our students.

PHOTO:

Enclosed Separately.

Faculty In-charge

HOD/Mech

Principal

TVS MOTOR COMPANY, HOSUR PLANT, HOSUR on 20.08.2018 - PHOTO

