



# POORNIMA UNIVERSITY

*Your Dreams Our Goal*

## Report on INDUSTRIAL VISIT TO UNIVERSAL AUTO FOUNDRY PVT. LTD.

Mechanical Department, Poornima University Organized by an Industrial visit for the 3<sup>rd</sup> year students for increasing trend of automation and control system in production field and to enhance the practical working atmosphere of a foundry industry among students, Mechanical Department took an initiative and organized a one-day industrial visit to Universal Auto Foundry Pvt. Ltd on Aug 23, 2018. Faculty coordinators during the visit were Mr. Vinay Bhatt and Mr. Abhay Ranjan.



In the first session, 4 batches were formed with 11 students in each batch. The main area of focus was to observe the working of different sections of an industry. With the same, students visited after following the safely rules:

1. Foundry Shop
2. Tool room
3. Machining shop
4. Testing room(UTM, Hardness testing machine etc)
5. Sand Casting
6. Dispatch department

In foundry, how the sand is prepared by using different ingredients were told to students by the instructors. Beside this, they also observe and get knowledge of runner, different core in casting process.

In testing room, how the parts are tested was demonstrated to students. Tests includes tensile/compression test, hardness test etc.

CNC classifications, advantages, disadvantages and the other factors related to CNC machines were explained. CNC and VMC were shown to students. The products of the company are-

1. Lift arms
2. Differential cases
3. Rocket and other bracket
4. Flywheel
5. Wheel hubs
6. Pulleys
7. Brake drum casting and *many more*.

During the visit, students observed the different casted products and various machining processes and also the dispatching process of the product. At last, during the end of the visit, students were very thankful to the instructors for showing the importance foundry industry to them.