

**Department of Mechanical Engineering****Event:** Workshop on “Hands on Practise on ANSYS”**Date:** 13<sup>th</sup> Feb, 2020**Venue:** Seminar Hall, AB-II, 3rd Floor**No. of Participants:** 100 **Faculties:** 10**Report Date:** 13<sup>th</sup> Feb, 2020**REPORT**

The departments of Mechanical Engineering, JEMTEC, Greater Noida organized a one-day workshop titled “**Hands on Practice on ANSYS 19.0 R2**” on 13.02.2020 for 2<sup>nd</sup> Year, 3<sup>rd</sup> Year & Final Year students. Dr.DevendraJha (HOD, ME) welcomed our Guest Mr.RohitPahwa (Ansys and siemens NX ExpertExecutive Trainer) &Mr.VikasTyagi (Head, Training programmeNCR) of CETPA, New-Delhiwith bouquet andmometo.He explained the importance of this session for the students to gain hands on experience in latest trends of design analysis and manufacturing in automotive industries. Around 95 students took part in the workshop. Also he encouraged all the students to attend more activities related to the latest trend of industries. Expert fromCETPA Mr.RohitPahwa (Ansys and siemens NX ExpertExecutive Trainer) &Mr.VikasTyagi (Head, Training programme NCR)were invited for an introductory talk on Latest trends of design analysis by ANSYS 19.0 R2 in Automotive components Manufacturing in different companies .The speaker firstly introduced about the company and then they gave the technical perspective of the ANSYS and their applications in design analysis of automotive engine and various components manufactured by several players of the same segment. They explained the various software and their application which has been designed especially for Automobile industries.The Session was started with a lecture on basic concepts of design softwareand their need and discuss their use by simulation of different components and their assembly with the help of Power Point Presentation and simulation. After this lecture session was over, the students were demonstrated with live session in the computer lab. The students were trained in batches of 8-10 students. Each batch was taken inside the computer lab and they simulate the running and working concept of various Engines specially designed for light and heavy transportation which gave our students the insight depth knowledge. He also cited about the importance of electric vehicle and its future to avoid emission. The various systems which were discussed in the session was Fuel Injection system, Common rail system, wheel

alignment, Air Conditioning system in automobile, starters & alternators, airbags power steering, brakes and clutches, sensors and actuators etc.. He also explained with presentation on the Emission norms which are being implemented by Government of India. The importance of BS VI was also explained to the students. The session was very informative. The session lasted for 6hours.It was concluded with a vote of thanks by Mr. Dhruv Kumar, Assistant Professor, Department of Mechanical Engineering.

Some of the pictures of the session's are-

