

DEPARTMENT OF MECHANICAL ENGINEERING

A Guest Lecture

on

“Influence of Tribological and vibration parameters on the performance of Lubricated Machine Elements”

16th August, 2019

During the industrial revolution, with the introduction of trains and other machinery, the operating conditions at the contacting surfaces changed dramatically. New bearings were designed and built and simple lubrication measures were no longer satisfactory. It became critical to understand the lubrication mechanisms involved. During that period, solid theoretical foundations, leading to the development of new technologies, were laid. The field of tribology had gained a significant prominence, i.e., it became clear that without advancements in tribology the technological progress would be limited. Keeping in view the about need and advancements in tribology, the Department of Mechanical Engineering organized a guest lecture on “Influence of Tribological and vibration parameters on the performance of Lubricated Machine Elements”. Dr.M.Amarnath, Associate Professor, Indian Institute of Information Technology, Design and Manufacturing (IITDM), Jabalpur who has rich experience in the field of Tribology was invited as a guest to deliver his talk. The program was coordinated by Dr.R.L.Krupakaran and Mr.G.Vidyasagar, Asst. Professor.



The lecture was delivered to III & IV B.Tech students and faculty members of Mechanical Engineering in Seminar hall on 16th August (Friday) from 10:00 AM to 1:00 PM.



Dr.M.Amarnath delivering the lecture



During the lecture, Dr.M.Amarnath emphasized on the basics and advances of tribology in industrial applications. The objective of the guest lecture is to make the students and faculty familiarize on tribology testing methods, standards, and tribology and wear analysis in lubricated machine elements. The faculty members of the Department had a deep interaction with the guest speaker on the research perspectives in the field of tribology. Dr.Amarnath in his interaction explored that, a good scope is available in the field of green tribology. Dr.Amarnath also assured the faculty members pursuing their research work can utilize the laboratories of IITDM, Jabalpur.



A group photo with the guest speaker

Finally, the students and faculties were inspired and enriched for exploring the contents within and beyond the curriculum in Mechanical Engineering by an eminent academician.