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REPORT ON EXPERT LECTURE

OF

“DYNAMICS OF MACHINERY”

BY ASSISTANT PROFESSOR HIREN R. PRAJAPATI
(21st March, 2015)

ORGAINISED BY MECHANICAL DEPARTMENT COORDINATOR: - ASST. PROF. RUPAL SHAH
The department of Mechanical Engineering conducted an expert lecture on “DYNAMICS OF MACHINERY” which was delivered by Asst. Prof. Hiren R. Prajapati, who has a more than 7 years experience in Education domain and currently working as an Assistant Professor in Mechanical Engineering department of U.V.Patel college of Engineering, Ganpat University, Kherva. He is an author of books tilted “Manufacturing Process-II”, “Theory of Machine” of V-sem, “Dynamics of Machinery” of VI-sem Mechanical Engineering, published by Books India Publication for GTU students.

Firstly, Asst.Prof. Rajnikant Rathod HOD of mechanical engineering department welcomed the expert. The expert lecture was started at 11:00 AM on 21st March, 2015. Total 40 Students of 6th semester, degree Mechanical department attended the lecture.
Following topics were covered in the lecture.

- Need for balancing, Static balance, balancing of rotating masses in same and different planes
- Dynamic balancing, balancing of reciprocating masses
- Balancing of locomotives, Partial balancing of locomotives, swaying couple, hammer blow, variation in tractive effort
- Balancing of multi cylinder in line engines, direct and reverse crank concept

The lecture was ended at 3:30 PM, and the oral feedbacks from the students were taken and response was very good.

All in all the whole day went successful and fruitful for all faculties and students.