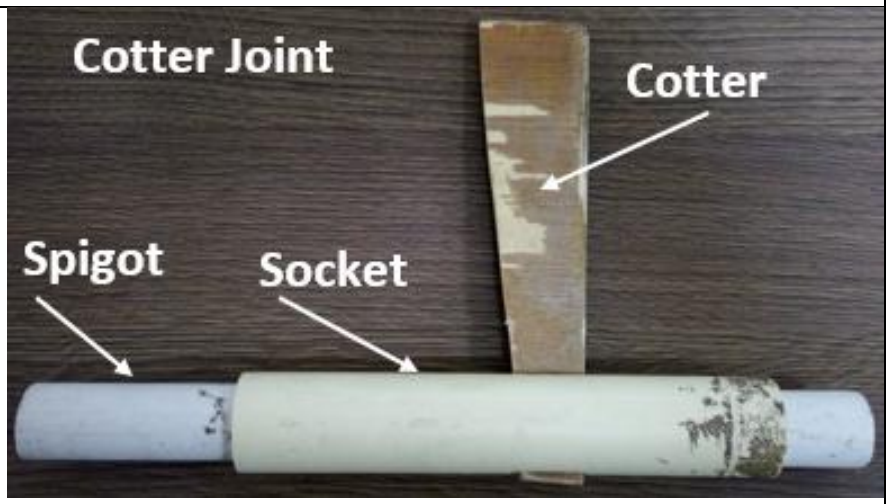
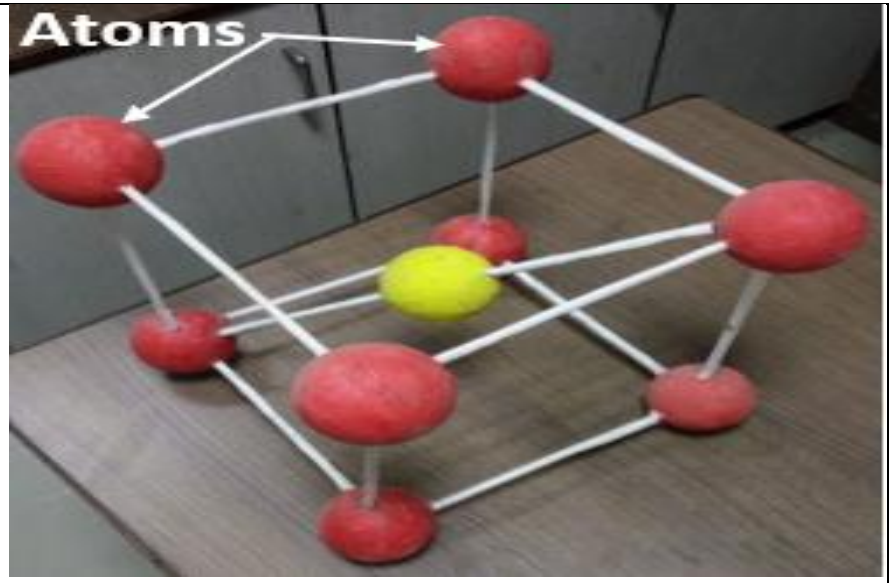
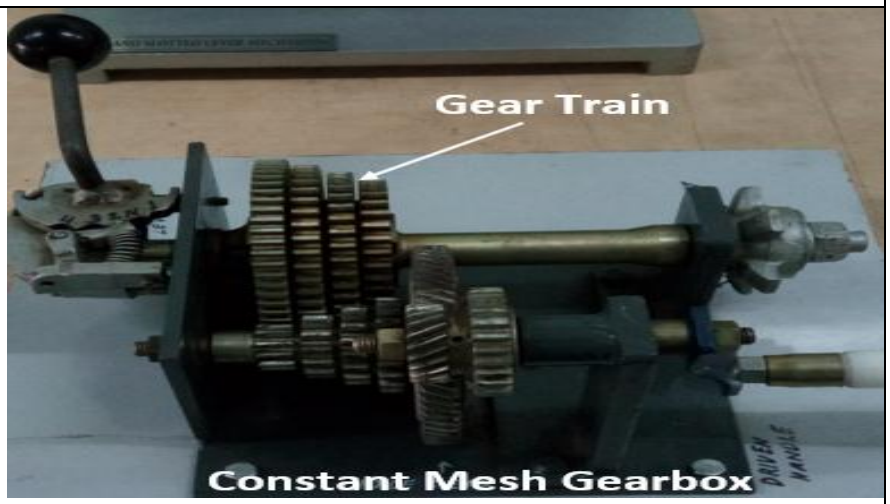
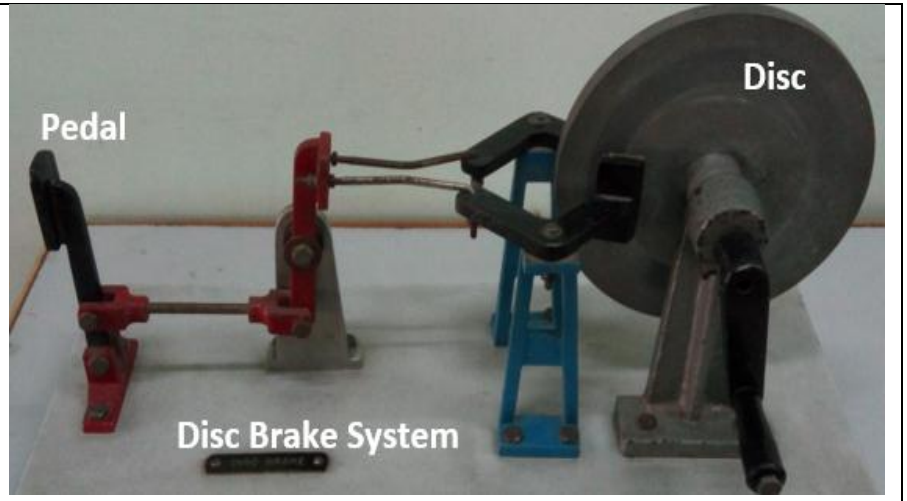
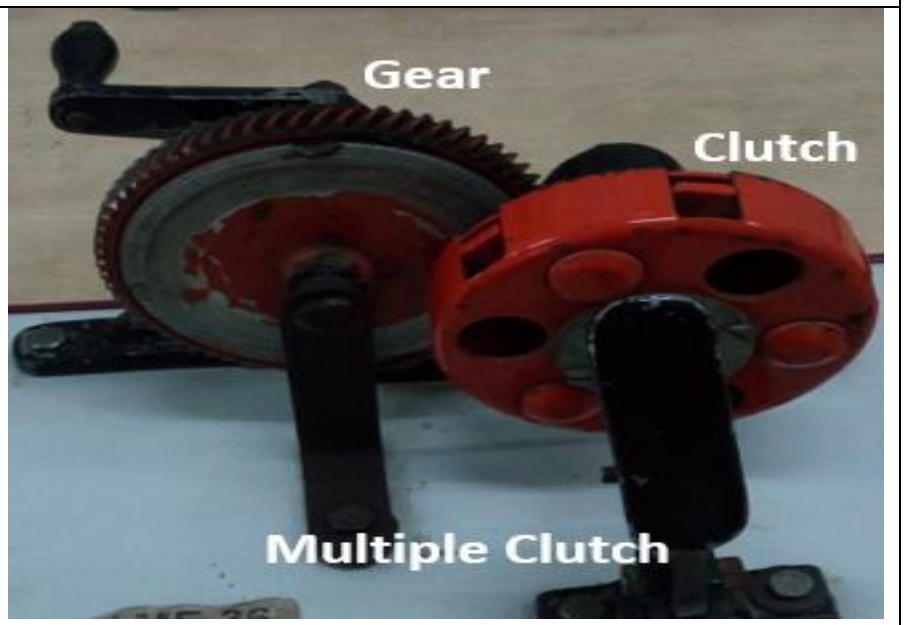
3D Model Demonstration by Mechanical Engineering Faculty Members

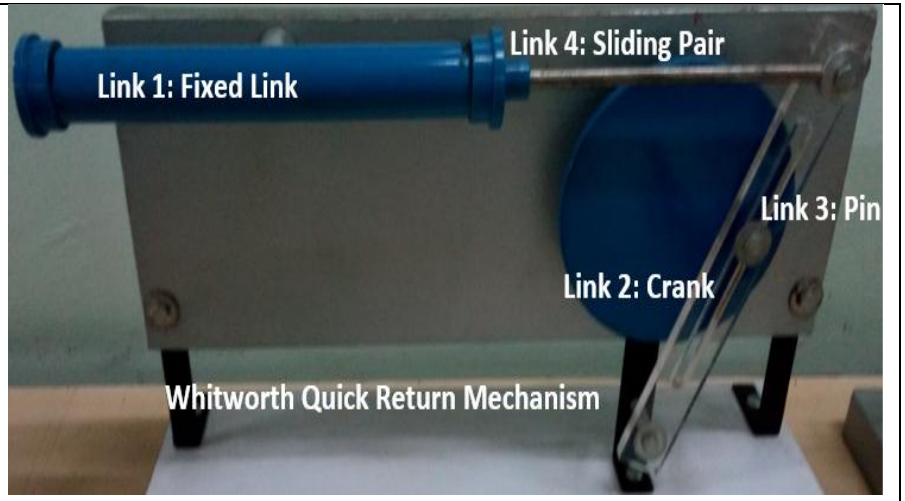
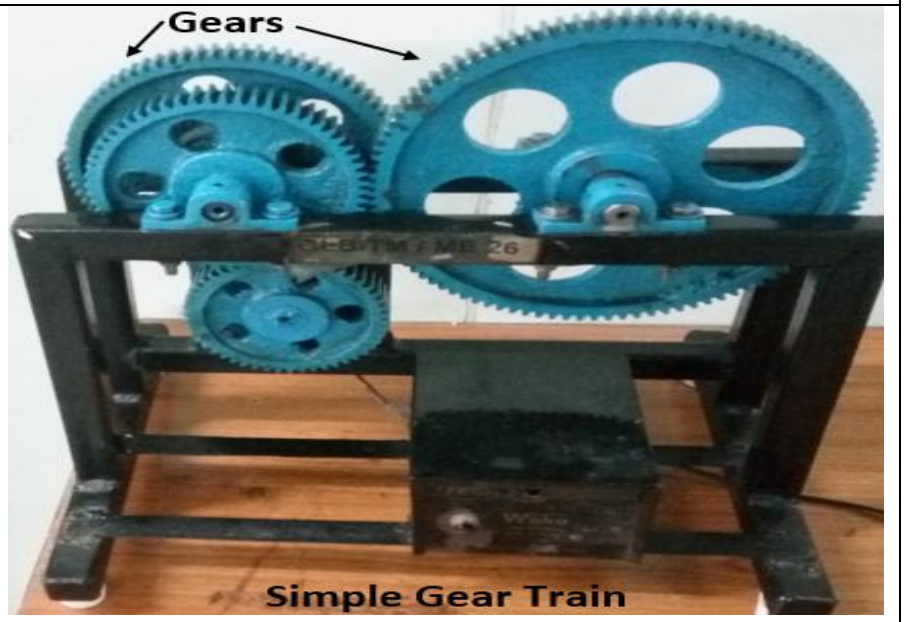
Sr. No.	Faculty Name	Topic Covered	Name of 3D Model
1.	Mr. Nagendra kr. Maurya Dr. Ashish Kr. Srivastava Mr. Pankaj Kr. Chauhan Mr. Sandeep Chauhan Dr. Ashish Gupta Dr. Satish Chand	**Design of Cotter Joint:** The near net model of cotter joint is developed by the faculty members to demonstrate the working of cotter joint.	

2.		**Design of Shaft & Key:** The given model is used to described the design of Shaft & Key.	
3.	Dr. S.P, Dwivedi Dr. S.S. Chauhan Dr. Satish Chand Mr. Nagendra kr. Maurya Dr. Ashish Kr. Srivastava	**Design of IC Engine parts:** The near net model is developed to explain the design of Piston rod.	

4.	Mr. Binit Kumar Mr. Mahesh Pandey Mr. Mukesh Mihra	**Body Center Cubic Unit Cell:** The given prototype is prepared by faculty members to demonstrated the BCC unit cell Structure.	

5.	Dr. Vinod Kumar Yadav Mr. Avdhesh Tyagi	**Crankshaft for IC Engine:** The given prototype is used to demonstration of 2 Wheeler Crankshaft function.	
6.		**Gearbox:** The given model is used to demonstrate the functioning of Gear box for power transmission.	

7.		**Disc Brake System:** The given system is used to explain the functioning of Disc Brake System.	
8.		**Multiple Clutch:** The mechanism of multiple clutch is demonstrated by given model.	

9.	Mr. O.P. Yadav Mr. Sandeep Chauhan	**Whitworth Quick Return Mechanism:** Given prototype is used to understand the mechanism of quick return which is used in shaper machine.	
10.		**Simple Gear Train:** To understand the mechanism of power transmission given model is used.