

EASWARI ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING
FACULTY DEVELOPMENT TRAINING PROGRAMME
ON
ME6401 - KINEMATICS OF MACHINERY
(01.12.2017 to 09.12.2017)



Seven days Faculty Development Training Programme on “ME6401 - Kinematics of Machinery” was inaugurated by Dr.V.Sundareswaran, Professor (Retd), Engineering Design Division, Anna University, Chennai on December 1st, 2017 at Mechanical Seminar Hall, Easwari Engineering College. Inauguration presided by our Vice Principal Dr. L Antony Michael Raj.

The course content of this FDTP is as per the Anna University syllabus and includes the topics: Basic Kinematic Mechanisms and Inversions, Construction of Velocity and acceleration diagrams, CAM profile for various follower motions, Gear transmission, and Epicyclic Gears, Friction In Machine Elements like Clutches and Belt drives etc.

Total 25 participants were participated in this FDTP, out of which 20 are the external participants and 5 are the internal participants.

Day 1: Dr.V.Sundareswaran, Professor (Retd), Engineering Design Division, Anna University, Chennai has presented a thoughtful session on “Basic Kinematic Mechanisms and Inversions” with more real-life examples. Afternoon tutorial session was conducted.

Day 2: Construction of Velocity and acceleration diagrams was handled by Mr.KSriram, Design Engineer, Macon Engineers, Chennai and Kinematic analysis was delivered by Dr.V.Gnanamoorthy, Associate Professor, Anna University, Villupuram.

Day 3: Introduction to CAM was presented by Dr. V Elango Professor, EEC with animated videos which were much explicable to all participants. Usage of software in Kinematics and CAM profile was handled by SIMTEK, Chennai in the afternoon session.

Day 4: Introduction to Gear trains and epicyclic gears was explained by Mr.KSriram, Design Engineer, Macon Engineers, Chennai with industrial examples. The next session was handled by Dr.S.Padmanaban and he discussed about speed analysis of planetary gears.

Day 5: An industrial visit was organized to “CADD center”, Mylapore, Chennai. In CADD center, a session on “Kinematics tool module in CATIA” was presented to our participants with hands-on lab session.

Day 6: Mr. G Francis, Associate Professor, JawaharEngg College has presented a session on Introduction to friction and screw friction with realistic examples. In the afternoon, Dr. C. Elanchezhian, Professor, Sri Sairam Engineering College was delivered a session on friction in clutches.

Day 7: Introduction to Belt and Rope was delivered by Dr. R Ramadoss with more industrial applications. Next session was handled by Dr.Prasanna Rai Yadav, he discussed about brakes. The last day, December 9th, 2017, valedictory function held at Mechanical Seminar Hall, this function was presided by our Principal Dr. K Kathiravan. He has delivered the significance of attending FDTP and distributed the participation certificate of the industrial visit.