

NPTEL Video Lecture Topic List - Created by Linuxpert Systems, Chennai

NPTEL Video Course - Mechanical Engineering - NOC:Manufacturing Automation

Subject Co-ordinator - Prof. Sounak Kumar Choudhury

Co-ordinating Institute - IIT - Kanpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Introduction to Manufacturing Automation
- Lecture 2 - Various Aspects of Manufacturing Automation
- Lecture 3 - Part Transfer Mechanisms
- Lecture 4 - Automated Flow Lines
- Lecture 5 - Analysis of Automated Flow Lines
- Lecture 6 - Vibratory Bowl Feeder
- Lecture 7 - Analysis of Vibratory Bowl Feeder
- Lecture 8 - Reciprocating Tube Hopper Feeder
- Lecture 9 - Centreboard Hopper Feeder and its analysis
- Lecture 10 - Reciprocating fork and External Gate Hopper Feeders
- Lecture 11 - Rotary Disc Feeder and Centrifugal Hopper Feeder
- Lecture 12 - Bladed Wheel and Tumbling Barrel Hopper Feeders
- Lecture 13 - Rotary Centreboard and Magnetic Feeders
- Lecture 14 - Part Orienting Devices
- Lecture 15 - Feed Tracks and their analysis
- Lecture 16 - Powered Feed Track and Escapements
- Lecture 17 - Various Escapements and Part Placing Mechanisms
- Lecture 18 - Design for Automatic Assembly
- Lecture 19 - Performance and Economics of Assembly Systems
- Lecture 20 - Performance of Indexing and Free Transfer Machines