

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

NPTEL Video Course - Management - NOC:The Future of Manufacturing Business: Role of Additive Manufacturing

Subject Co-ordinator - Prof. R. K. Amit, Prof. U. Chandrasekhar

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - What is Manufacturing ?
Lecture 2 - Manufacturing and Industrial Revolution
Lecture 3 - Manufacturing Processes and Era of Mass Production
Lecture 4 - Mass Production to Mass Customization
Lecture 5 - Laws of Manufacturing - I
Lecture 6 - Laws of Manufacturing - II
Lecture 7 - Business Models
Lecture 8 - Manufacturing Radar - I
Lecture 9 - Manufacturing Radar - II
Lecture 10 - Agile Manufacturing - I
Lecture 11 - Agile Manufacturing - II
Lecture 12 - Technology and Manufacturing
Lecture 13 - AM Implementation and SC Configuration - I
Lecture 14 - AM Implementation and SC Configuration - II
Lecture 15 - Manufacturing and IIoT - I
Lecture 16 - Manufacturing and IIoT - II
Lecture 17 - Digital Supply Network - I
Lecture 18 - Digital Supply Network - II
Lecture 19 - Machine Intelligence
Lecture 20 - Blockchains and Use Cases
Lecture 21 - Additive Manufacturing Technologies and Categorization
Lecture 22 - Process Chain for AM of Plastics and Metals
Lecture 23 - Design for Additive manufacturing (DFAM) for Metal printing
Lecture 24 - Supply chain for Additive Manufacturing
Lecture 25 - Design for Laser Powder Bed fusion (LPBF)
Lecture 26 - Additive Manufacturing Application for Prototype, Tooling and Part Repair
Lecture 27 - AM Materials and Metallurgy in LPBF
Lecture 28 - Additive Parameter Development
Lecture 29 - Quality in Additive Manufacturing

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

www.digimat.in

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

- Lecture 30 - Extrusion AM for Industrial Application
- Lecture 31 - Design for LPBF - Case Studies
- Lecture 32 - Metal Powder Manufacturing and Characterisation