NPTEL Video Course - Civil Engineering - NOC:Life Cycle Assessment

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Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Life Cycle Assessment - Introduction
Lecture 2 - Life Cycle Assessment - Introduction
Lecture 3 - LCA and Sustainability
Lecture 4 - LCA and Environmental Systems
Lecture 5 - LCA and Water, Food and Energy
Lecture 6 - RISK Assement and LCA Frameworks
Lecture 7 - RISK Assessment - Toxicology
Lecture 8 - RISK Assessment Methods
Lecture 9 - RISK Assessment Methods (Continued...)
Lecture 10 - Environmental Risk Assessment
Lecture 11 - Environmental Data Collection and LCA Methodology
Lecture 12 - Environmental Data Collection and LCA Methodology (Continued...)
Lecture 13 - Environmental Data Collection and LCA Methodology (Continued...)
Lecture 14 - Environmental Data Collection and LCA Methodology (Continued...)
Lecture 15 - LCA Methodology
Lecture 16 - LCA - A Detailed Methodology
Lecture 17 - LCA - A Detailed Methodology (Continued...)
Lecture 18 - LCA Benefits and Drawbacks
Lecture 19 - History of LCA
Lecture 20 - The ISO Framework
Lecture 21 - Unit Process, Data and LCI Databases
Lecture 22 - Unit Process and System Boundary (Continued...)
Lecture 23 - Inventory Data and LCIA
Lecture 24 - LCIA
Lecture 25 - LCA Interpretation
Lecture 26 - ISO 14040
Lecture 27 - Key Points of a Good LCA and Example LCA
Lecture 28 - Chemical Release in Environment
Lecture 29 - Green Sustainable Materials

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Lecture 30 - Green Sustainable Materials (Continued...)
Lecture 31 - Design for Sustainability
Lecture 32 - Design for Sustainability (Continued...)
Lecture 33 - Design for Sustainability (Continued...)
Lecture 34 - Sustainable Engineering Design Principles
Lecture 35 - Sustainable Engineering Design Principles (Continued...)
Lecture 36 - Summary and Case Studies
Lecture 37 - Summary and Case Studies (Continued...)
Lecture 38 - Summary and Case Studies (Continued...)
Lecture 39 - Tutorial I
Lecture 40 - Tutorial II
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