

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

NPTEL Video Course - Civil Engineering - NOC:Introduction to Multimodal Urban Transportation Systems

Subject Co-ordinator - Prof. Arkopal Kishore Goswami

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Overview of urban transportation: Urbanization and Transport
Lecture 2 - Overview of urban transportation: Key issues in urban transportation
Lecture 3 - Overview of urban transportation: Challenges in urban transportation
Lecture 4 - Overview of urban transportation: Travel demand modelling overview
Lecture 5 - Overview of urban transportation: Vehicular Level of Service (LOS) overview
Lecture 6 - Public Transportation: Introduction to public transportation
Lecture 7 - Public Transportation: Basic operating elements of public transportation
Lecture 8 - Public Transportation: Basic operating elements of public transportation (Continued...)
Lecture 9 - Public Transportation: Bus Transportation
Lecture 10 - Public Transportation: Bus Transportation (Continued...)
Lecture 11 - Public Transportation: Financing public transportation
Lecture 12 - Public Transportation: Transit marketing
Lecture 13 - Public Transportation: Rail transportation
Lecture 14 - Public Transportation: Intermediate Public Transportation
Lecture 15 - Public Transportation: Measuring performance of transit systems
Lecture 16 - Public Transportation: Advanced operation concepts of public transportation
Lecture 17 - Public Transportation: Bus and Rail Transit Capacity
Lecture 18 - Public Transportation: Bus and Rail Transit Capacity (Continued...)
Lecture 19 - Public Transportation: Station Capacity
Lecture 20 - Public Transportation: Transit Stop Location
Lecture 21 - Non-motorised Transportation (NMT) Planning: Introduction to NMT Systems
Lecture 22 - Non-motorised Transportation (NMT) Planning: Assessing existing NMT scenario
Lecture 23 - Non-motorised Transportation (NMT) Planning: Data collection and analysis in NMT Planning
Lecture 24 - Non-motorised Transportation (NMT) Planning: Complementarity and Selection of Interventions
Lecture 25 - Non-motorised Transportation (NMT) Planning: Alternative Selection through Economic & Financial
Lecture 26 - Non-Motorised Transportation (NMT) Planning: Basic NMT Characteristics
Lecture 27 - Non-Motorised Transportation (NMT) Planning: Pedestrian Data Collection and Flow Characteristics
Lecture 28 - Non-Motorised Transportation (NMT) Planning: Pedestrian Flow models
Lecture 29 - Non-Motorised Transportation (NMT) Planning: Pedestrian flow characteristics on facilities

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Lecture 30	- Non-Motorised Transportation (NMT) Planning: Pedestrian Level of Service (PLOS) based on Flow mo
Lecture 31	- Non-Motorised Transportation (NMT) Planning: Other types of Pedestrian Level of Service (PLOS)
Lecture 32	- Non-Motorised Transportation (NMT) Planning: HCM 2010 Methodology for PLOS
Lecture 33	- Non-Motorised Transportation (NMT) Planning: HCM 2010 Methodology for PLOS (Continued...)
Lecture 34	- Non-Motorised Transportation (NMT) Planning: Bicycle Facilities and Level of Service (BLOS)
Lecture 35	- Non-Motorised Transportation (NMT) Planning: BLOS and Bicycle Compatibility Index (BCI)
Lecture 36	- Non-Motorised Transportation (NMT) Planning: NMT Design Principles
Lecture 37	- Non-Motorised Transportation (NMT) Planning: Design of Pedestrian Infrastructure
Lecture 38	- Non-Motorised Transportation (NMT) Planning: Design of Pedestrian Infrastructure (Continued...)
Lecture 39	- Non-Motorised Transportation (NMT) Planning: Design of Cycling Infrastructure
Lecture 40	- Non-Motorised Transportation (NMT) Planning: Design of Cycling Infrastructure (Continued...)
Lecture 41	- Urban Transport and Sustainability: Travel Demand Management (TDM) overview
Lecture 42	- Urban Transport and Sustainability: Push measures cases
Lecture 43	- Urban Transport and Sustainability: Pull measure cases
Lecture 44	- Urban Transport and Sustainability: Parking Studies
Lecture 45	- Urban Transport and Sustainability: Transit Oriented Development (TOD)
Lecture 46	- Urban Transport and Sustainability: Introduction to Intelligent Transportation Systems (ITS)
Lecture 47	- Urban Transport and Sustainability: ITS components, applications and communication
Lecture 48	- Urban Transport and Sustainability: ITS Architecture
Lecture 49	- Urban Transport and Sustainability: Electronic Toll Collection (ETC)
Lecture 50	- Urban Transport and Sustainability: Public Bicycle Sharing (PBS) System with ITS
Lecture 51	- Urban Transport and Sustainability: Multimodal transportation (MMT) environment
Lecture 52	- Urban Transport and Sustainability: Multimodal Level of Service (MMLoS)
Lecture 53	- Urban Transport and Sustainability: Multimodal Level of Service (MMLoS) (Continued...)
Lecture 54	- Urban Transport and Sustainability: Design of multimodal transfer facilities
Lecture 55	- Urban Transport and Sustainability: Park & Ride (P&R) Facility Planning
Lecture 56	- Urban Transport and Sustainability: An Introduction to Pedestrian Road Safety and associated Ris
Lecture 57	- Urban Transport and Sustainability: Road crash estimation and elements of predictive methods
Lecture 58	- Urban Transport and Sustainability: Predicting Vehicle-Pedestrian and Vehicle-Bicycle conflicts
Lecture 59	- Urban Transport and Sustainability: Environmental Concerns of Urban Transport
Lecture 60	- Urban Transport and Sustainability: Sustainable strategies for Urban Transportation