



योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education, Govt. of India

Department of Planning,
Lecture Plan, Odd Semester, AY 2024-25

Name of Course: Transport Infrastructure Finance (Elective) (MTIP2112)

Programme & Sem:	Masters in Transport Planning, III Sem
Course Duration:	22 July 2024 – 14 Nov 2024
Course Coordinator:	Mr. Srikanta Bhargava Teja, Assistant Professor, Dept. of Planning, (bhargava@spav.ac.in)
Number of Credits:	03
Subject Category:	Theory
Total Periods/Week:	03 (Refer Time Table for Details)
Internal Assessment	50 (minimum pass marks 40%)
End Evaluation	50 (minimum pass marks 40%) – Written Exam.
Total Marks	100 (to be converted to CGPA credit pattern as per regulations)

Subject Objective: To impart concepts related to transport infrastructure, mechanism and role of alternative financing mechanism and its relevance with the institutional framework.

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Unit and Assignment
Week 1 (26 July)	Characteristics of transport infrastructure, Growth trends, Investment need and budgetary support	Unit 1: Transport Infrastructure
Week 2 (02 Aug)	existing financing pattern, financial recurrent expenditure	
Week 3 (09 Aug)	Transport costing, pricing principles;	Unit 2: Transport Costing and Recovery
Week 4 (16 Aug)	cost recovery pricing, deficits, Financial capital investment	Assignment 1: Review of research articles on various financing measures in
Week 5 (23 Aug)	municipal development funds, capital market/debt	Transport Infrastructure Projects

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Week 6-7 (27 Aug - 8 Sep)	Field Trip	
Week 8 (13 Sep)	Multilateral and Bilateral Financing mechanism, Financial Institutions	Unit 3: Alternative Financing Mechanisms
Week 9 (17-21 Sep)	Mid- Semester Assessment week	
Week 10 (27 Sep)	Private sector participation, land as a resource	Unit 3: Alternative Financing Mechanisms
Week 11 (04 Oct)	public private partnership, annuity based approach risk management.	
Week 12 (11 Oct)	Risk management, financing institute, fund providers, role and function	Unit4: Institutional and Regulatory Framework
Week 13 (18 Oct)	documentation and agreement, institutional and regulatory framework implementation.	
Week 14 (25 Oct)	Seminar (Online/ Offline)	
Week 15 (01 Nov)	Highways and urban roads, Mass transport systems,	Unit 5: Case studies Assignment 2: Presentation of various case studies on various costing and financing mechanisms, risk assessment in transport infrastructure projects
Week 16 (08 Nov)	Passenger terminals (rail, bus, air), interchanges, Depots Parking complexes, Logistics hubs etc.	

Reference books:



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1. A.Richard, Richard Hemming and H.Barry (2013),The International Handbook of Public Financial Management Center for aid and public expenditure,Hamburg, Germany.
2. Allen .F, Yago.G (2013),Financing the Future, Market-Based Innovations for Growth, Pearson Publications, Indianapolis, Indiana.
3. Athena Roumboutsos, Hans Voordijk, AristeidisPantelias (2018), Funding and Financing Transport Infrastructure, Rutledge Publications, New York, USA.
4. Karl F Seidman (2012), Economic Development Finance, Sage publications, California, USA.
5. Rondinelli. A (1990), Financing the decentralization of urban services in developing countries: Administrative requirements for fiscal improvements, Springer-Verlag publications, New York, USA.

Note:

1. Any other closed holidays as declared by SPAV shall supersede the above lecture plan. Holidays shown above may alter as per Notice from time to time.
2. Assessment Sessions may be re-scheduled, with prior intimation.
3. Reading lists provided is not exhaustive and is subject to addition – students are advised to follow progression of class to keep abreast of the new reading lists, if any.

S. Bhargava Teja

