

<b>Course title:</b> Introduction to Infrastructure Business				
<b>Course code:</b> BSI 188	<b>No. of credits:</b> 2	<b>L-T-P distribution:</b> 16-12-00	<b>Learning hours:</b> 28	
<b>Pre-requisite course code and title (if any):</b>				
<b>Department:</b> Department of Business & Sustainability				
<b>Course coordinator (s):</b>			<b>Course instructor (s):</b>	
<b>Contact details:</b>				
<b>Course type</b>	Core	<b>Course offered in:</b> Semester I		
<b>Course description</b>				
This is a basic course that defines and outlines the various forms of infrastructure, their need and relevance to economic growth and development particularly in the context of an emerging economy. It would also give an exposure to the different policy and regulatory issues that would help in ensuring infrastructure growth in India.				
<b>Course objectives</b>				
Introduce the participants to the basic concepts and definitions of infrastructure and help improve an understanding of the infrastructural needs and challenges from a developing country's perspective.				
<b>Course content</b>				
<b>Module</b>	<b>Topic</b>	<b>L</b>	<b>T</b>	<b>P</b>
1.	Definition of infrastructure – relationship of economic development with infrastructure growth - Issues related to infrastructure development such as funding, technology, costs, sustainability, etc.	2	0	0
2.	Exploring how infrastructure growth has happened in India across different sectors (transport, energy and telecommunication) Evolution of infrastructure policy in India Role of central, state and local governments for infrastructure development	4	0	0
3.	Issues and options of infrastructure growth in India	2	2	0
4.	Funding of infrastructure Public vs. private investments, Growing role of public private participation in infrastructure development	2	2	0
5.	International experiences in development of major infrastructure projects - Role of multilateral and bilateral agencies in infrastructure growth in developing countries	2	2	0
6.	Sustainability issues in infrastructure development - Land, forest and environmental concerns – Judicious use of natural resources	2	2	0
7.	Role of regulation and regulatory agencies, civil society and national dialogues for implementing infrastructure projects/programs	2	0	0
8.	Formulation of government policies assisting infrastructure growth – methods of infrastructure policy formulation and current policies relating to different sectors of infrastructure (activity based)	0	4	0
	<b>Total</b>	<b>16</b>	<b>12</b>	
<b>Evaluation criteria</b>				
	Test 1: Assignment	50%		
	Test 2: Written Exam	50%		

**Learning outcomes**

Develop an understanding of:

Definition and classification of various kinds of infrastructure

Links between development and economic growth with infrastructure requirements

Issues related to infrastructure development in India and current policy imperatives to hasten its growth

Infrastructure development internationally with a particular reference to developing economies

Sustainability issues and need for resource efficiency in infrastructure business

**Pedagogical approach**

The course will be delivered through class room lectures, discussion of case studies from original relevant research articles and field visits.

**Materials**

Handouts to be distributed by the faculty.

**Additional information (if any)****Student responsibilities**

Attendance, feedback, discipline, guest faculty etc.

**Prepared By:**

Prof. Shri Prakash

**Course reviewers:**

1. Mr. S. Sunder, TERI
2. Dr. Santosh Pande, Cofounder, NihilentTechnologies