

GUJARAT TECHNOLOGICAL UNIVERSITY
PPP in Infrastructure Development (Elective)
SUBJECT CODE: 1075508
B.PLAN 7th SEMESTER

Aim: A basic course that provides a comprehensive understanding of the different kinds of PPP projects, the need for PPP in infrastructure development and the issues involved in developing and implementing PPP projects.

Objective:

1. To develop a comprehensive understanding of developing, financing and building infrastructure projects through the PPP mechanism
2. To understand the issues involved and how they need to be addressed

Teaching and Examination Scheme:

Teaching Scheme			Credits C	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
				ESE (E)	PA (M)	VIVA (V)	PA(I)	
2	0	0	2	50	50	0	0	100

L- Lectures; T- Tutorial/Teacher Guided Student Activity/Field work; P- Practical; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment.

Content:

Sr. No.	Content	Total Hrs
Unit - 1	Understanding PPP and its role in Infrastructure development State of Infrastructure in India, Existing PPP Scenario in India, a mechanism for bringing in private investments into public projects for development and delivery of infrastructure and bundled services – how it is unique compared to other modes, The India opportunity and PPP, Risks and benefits, need to involve private players in Infrastructure sector	4
Unit - 2	Risks in PPP Risk identification, risk sharing and risk mitigation for PPP projects, Contracting of PPP projects and management of long term concession agreements, What concession agreement should typically cover; how long term contracts are managed to accommodate significant changes in contract conditions and the methods of managing the changes	4

Unit - 3	PPP Models, Policy and regulatory framework Options available for financing of PPP projects, PPP models and selection criteria; Current status of PPP in India; G	6
Unit - 4	Policy & Regulatory Framework government policy initiatives and guidelines, Government incentives, existing policy & regulations, Existing institutional framework	4
Unit - 5	Challenges & Issues reducing risk of private players, kelkar committee, gestation period, institutional framework, Capacity requirements among stakeholders to promote and successfully complete PPP projects – stakeholder requirements in terms of technical competence, risk appetites, financing, etc	4
Unit - 6	The Indian Experience Understanding through various successful and unsuccessful case studies (Transport & Energy)	10
	Total no. of hours	32

Reference Books:

Text / Reference Books:				
S. No.	Name of Authors	Titles of the Book	Edition	Name of the Publisher
1.	Joshi, RN	Public Private Partnership in Infrastructure Perspectives, Principles, Practices		Vision Books
2.	Rao, JN and Sisodiya, AS	Public- private Partnership Model in India: Concepts, Issues and Outlook	2009	ICFAI University Press
3	Ramesh, G., Nagadevara, V.P., Naik, G. and Suraj, S.	Public-Private Partnerships	2014	Routledge

Course Outcome:

List of Exercises / Practicals:	
1	Visit to Project site
List of Assignments/Tests:	
1	Test on Unit 1 and Unit 2.
2	Case Study based Assignments on Unit 4 or Unit 5.