
**INFRASTRUCTURE PLANNING AND FINANCE
MANAGEMENT****Course Code: 13CE2101****L P C
4 0 3****Course Educational Objectives:**

To advocate and promote an effective, accountable, efficient, fair and inclusive system for the planning and authorization of infrastructure projects and to improve knowledge, skills, understanding and engagement and so provide learning and education opportunities on national infrastructure planning.

Course Outcomes:

To create more visibility for industry of the infrastructure investment pipeline and to work closely with industry to active more innovative and commercial solutions in infrastructure design and delivery.

UNIT-I**Infrastructure**

Governing features, Historical Overview of Infrastructure Development in India; Infrastructure Organizations and Systems.

UNIT-II**Infrastructure Planning and Control**

Infrastructure Project Budgeting, Funding and Sources of Funding; Regulatory Framework.

UNIT-III**Introduction to Financial Accounting**

Accounting: Principles, concepts, conventions, double entry book keeping, Journal, Ledger & Trial Balance, Trading Account, Profit and Loss Account and Balance Sheet with simple adjustments

UNIT-IV**Fundamentals of Financial Management**

Nature and Scope of Financial Management; Financial Planning – Capitalization- Types of Capital.

UNIT-V**Capital Budgeting & Working Capital Management**

Nature, Importance, Process and Methods of Capital Budgeting, Traditional (Accounting Rate of Return and Pay Back Period) and Discounted methods of Capital Budgeting (Net Present Value, Internal Rate of Return and Profitability Index) -Simple Numerical Problems

Meaning, Classification, Importance of Working Capital; Factors Determining Working Capital, Components of Working Capital; Management of Receivables, Cash and Inventory; Estimation of Working Capital Requirements (Simple Numerical Problems)

TEXT BOOKS

1. S P Jain & K L Narang, “*Cost and Management Accounting*” 3rd edition, Kalyani Publishers, 2004.
2. Shashi Gupta & RK Sharma, “*Management Accounting Principles and Practice*”, 1st edition, Kalyani Publishers, 2004.

REFERENCES

1. B Sengupta and H Guha, “*Construction Management and Planning*”, 1st edition, Tata Mc Graw Hill, 2009.
2. I M Pandey, “*Financial Management*”, 12th edition, Vikas Publishers, 2012.
