

## INFRASTRUCTURE PLANNING AND FINANCE MANAGEMENT

**Course Code: 15CE2101**

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**Course Outcomes:** At the end of the course, the student will be able to:

**CO1:** Outline the infrastructure development in India.

**CO2:** Discuss the aspects of budgeting and sources of funding.

**CO3:** Prepare a balance sheet.

**CO4:** Illustrate the aspects of financial planning and management.

**CO5:** Devise a plan for use of working capital.

**UNIT-I** (10-Lectures)

### **Infrastructure**

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

**UNIT-II** (10-Lectures)

### **Infrastructure Planning and Control**

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

**UNIT-III** (10-Lectures)

### **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** (10-Lectures)

### **Fundamentals of Financial Management**

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

**UNIT-V** (10-Lectures)**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*” 3<sup>rd</sup> edition, Kalyani Publishers, 2004.
2. Shashi Gupta & RK Sharma, “*Management Accounting Principles and Practice*”, 1<sup>st</sup> edition, Kalyani Publishers, 2004.

**REFERENCES**

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