

Program: BS (Computer Science)

Course Name: Introduction to Management

Course Code: GE-411

Credit Hours: 03

Total Weeks: 16

Total Hours: 48

Course Objectives:

This course provides an understanding of the principles and practices of management, focusing on their application in technology-driven environments. It equips students with the managerial skills necessary to lead teams and manage resources effectively in the field of computer science.

Weekly Breakdown:

Week 1

- Introduction to Management
- Definition, Nature, and Scope of Management
- Importance of Management in Technology

Week 2

- Evolution of Management Thought
- Classical, Behavioral, and Modern Management Theories

Week 3

- Levels of Management: Top, Middle, and Operational
- Managerial Roles and Skills

Week 4

- Functions of Management: Planning, Organizing, Leading, and Controlling
- The Role of Management in IT and Software Projects

Week 5

- Planning in Management

- Strategic, Tactical, and Operational Planning

Week 6

- Decision-Making in Management

- Problem-Solving Techniques for IT Managers

Week 7

- Organizing: Concepts and Principles

- Organizational Structure in IT Companies

Week 8

- Leadership: Theories and Styles

- Leadership Skills for Managing Technical Teams

Week 9

- Motivation Theories: Maslow's Hierarchy, Herzberg's Two-Factor Theory

- Motivating Developers and Engineers

Week 10

- Communication in Management

- Effective Communication in Technical Teams

Week 11

- Controlling: Tools and Techniques

- Performance Metrics in IT Projects

Week 12

- Organizational Culture and Environment

- Managing Innovation in Technology Firms

Week 13

- Business Ethics and Social Responsibility

- Ethical Issues in Technology Management

Week 14

- Globalization and Cross-Cultural Management

- Managing Diversity in IT Workplaces

Week 15

- Technology in Management

- Agile Management Practices and Risk Management

Week 16

- Case Studies on Management in the Tech Industry

- Final Review and Assessment

Total Marks: 100

Recommended Books:

1. Management by Stephen P. Robbins and Mary Coulter

2. Principles of Management by Harold Koontz and Heinz Weihrich

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