**Title: "Practical Guide to Software Project Management: A Comprehensive Lab Manual"**

**Chapter 1: Introduction to Software Project Management**

* Overview of Software Project Management
* Importance and Benefits of Effective Project Management
* Key Concepts and Terminology

**Chapter 2: Project Initiation**

* Understanding Project Initiation Phase
* Stakeholder Identification and Analysis
* Project Charter Development
* Feasibility Study and Risk Assessment

**Chapter 3: Project Planning**

* Scope Definition and Management
* Work Breakdown Structure (WBS)
* Activity Planning and Sequencing
* Resource Allocation and Management
* Time and Cost Estimation
* Risk Management Planning

**Chapter 4: Project Execution and Monitoring**

* Team Formation and Roles
* Communication Planning and Implementation
* Quality Assurance and Control
* Progress Tracking and Reporting
* Change Management

**Chapter 5: Project Closure**

* Criteria for Project Closure
* Final Deliverable Acceptance
* Lessons Learned and Post-Implementation Review
* Project Documentation and Archiving

**Appendix:**

* Templates and Examples for Project Documents (e.g., Project Charter, Work Breakdown Structure, Communication Plan)
* Case Studies and Exercises for Hands-on Practice
* Glossary of Terms

This lab manual provides a structured approach to learning software project management principles and practices through practical exercises, case studies, and templates. Each chapter covers essential topics related to different phases of the project management lifecycle, guiding students through the process of initiating, planning, executing, monitoring, and closing software projects effectively. Additionally, the appendix includes resources to support hands-on learning, such as templates for project documents and real-world case studies for application-based understanding.