



Project Monitoring

Introduction

PMG 333

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My Profile



Summary:

- More than 15 Years experience and university teaching and training
- Business Research data analyst
- Strategic planning and feasibility studies
- Problem-solving research

Education:

- Ph.D. in Business, University of Malaya, Malaysia
- M. Sc. in Business Administration, Sudan University, Sudan
- B. Sc. in Commercial studies, Sudan University, Sudan

Certificates:

- Office management
- Total quality management
- Erasmus program, Turkey
- Research methods, Malaysia
- Data analysis in advance programs, Malaysia

Publications and Conferences attended:

- 15 articles published in Scopus journal platforms and other 6 are under review
- Two conferences (Malaysia and Sudan)

Markets serviced:

- Sudan, KSA, and UAE

Experience:

Academic:

- Assistant Professor, Midocean University (2024)
- Assistant Professor, Sudan University, Khartoum University and others
- Lecturer, Sudan university (2011-2019)
- Reviewer for local and international journals

Administrative:

- Dean of College of Business Studies up to date
- Head of Department (2012-2014)
- Coordinator of distance learning
- Member of Economic committee in Ministry of Higher Education
- Senate member of Sudan University for 5 years

Training provided:

- HRM, HRD, and OB
- Communication skills
- Leadership and negotiation
- Feasibility studies preparation
- Research methods and publication
- Business plan preparation

Programs used:

- ICDL & SPSS
- AMOS & Smart-PLS
- PROCESS Macro & Power BI



General topics

- **Project Control Enablers**
- **Project Plan Development**
- **Schedule Development**
- **Project Control**
- **Risk, change, and performance control**

Lecture

01

Introduction to modern project management

1. What Is a Project?
2. Current Drivers of Project Management
3. Project Governance
4. Project Management Today—A Socio-Technical Approach

Lecture
02

Defining the project

1. Step 1: Defining the Project Scope
2. Step 2: Establishing Project Priorities
3. Step 3: Creating the Work Breakdown Structure
4. Step 4: Integrating the WBS with the Organization
5. Step 5: Coding the WBS for the Information System
6. Process Breakdown Structure
7. Responsibility Matrices
8. Project Communication Plan

Estimating project times and costs

1. Factors Influencing the Quality of Estimates
2. Estimating Guidelines for Times, Costs, and Resources
3. Top-Down versus Bottom-Up Estimating
4. Methods for Estimating Project Times and Costs
5. Level of Detail
6. Types of Costs
7. Refining Estimates
8. Creating a Database for Estimating
9. Mega Projects: A Special Case

Developing a project plan

1. Developing the Project Network
2. From Work Package to Network
3. Constructing a Project Network
4. Activity-on-Node (AON) Fundamentals
5. Network Computation Process
6. Using the Forward and Backward Pass Information
7. Level of Detail for Activities
8. Practical Considerations
9. Extended Network Techniques to Come Closer to Reality

Managing risks

1. Risk Management Process
2. Step 1: Risk Identification
3. Step 2: Risk Assessment
4. Step 3: Risk Response Development
 - Contingency Planning
 - Opportunity Management
 - Contingency Funding and Time Buffers
5. Step 4: Risk Response Control
6. Change Control Management

Scheduling resources and costs

1. Overview of the Resource Scheduling Problem
2. Types of Resource Constraints
3. Classification of a Scheduling Problem
4. Resource Allocation Methods
5. Computer Demonstration of Resource-Constrained Scheduling
6. Splitting Activities
7. Benefits of Scheduling Resources
8. Assigning Project Work
9. Multi-project Resource Schedules
10. Using the Resource Schedule to Develop a Project Cost Baseline

Reducing project duration

1. Rationale for Reducing Project Duration
2. Options for Accelerating Project Completion
3. Project Cost–Duration Graph
4. Constructing a Project Cost–Duration Graph
5. Practical Considerations
6. What If Cost, Not Time, Is the Issue?

Project Manager Characteristics

1. Managing versus Leading a Project
2. Managing Project Stakeholders
3. Influence as Exchange
4. Social Network Building
5. Ethics and Project Management
6. Building Trust: The Key to Exercising Influence
7. Qualities of an Effective Project Manager

Managing project teams

1. The Five-Stage Team Development Model
2. Situational Factors Affecting Team Development
3. Building High-Performance Project Teams
4. Managing Virtual Project Teams
5. Project Team Pitfalls



Thank You