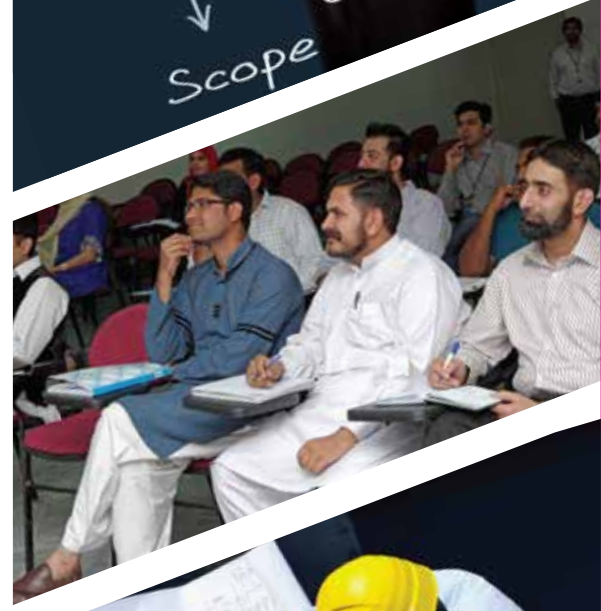




# رفاه انٹرنیشنل یونیورسٹی



# MS PROJECT MANAGEMENT (MS-PM)

## *Project Management is the Management of Change*

### Introduction

Riphah International University is one of the top rated amongst Pakistan's private institutions of higher learning. **Riphah School of Leadership (RSL) at Faculty of Management Sciences (FMS)** is one of the best and prominent in the constellations of very fine constituent programs of Riphah. **FMS Al Mizan Campus** is certified to ISO 9000:2015 Quality Management System Standards. FMS faculty and graduates won laurels for the institution by winning different scholarships besides proving their mettle in both public and private sector organizations of the country.

### Change is Permanent

The typical organization today looks very different from its counterpart of 50 years ago. Organizational downsizing, restructuring, the impact of the computer telecommunications, empowerment of employees, team management, deregulation, and global competition have set in motion a sea of changes that show no signs of abating. The changes occurring today are profound. These changes continue to herald the need for project management, particularly as contemporary organizational managers grope for ways to survive in the face of these changes.

## Project Management (PM)

Project management emerged in an informal manner in the past but began taking on the characteristics of a discipline in its own right. Its early beginnings are found in the construction industry and in recent past in military weapons and systems development businesses. The origins of many of the techniques of project management can be found in the management of large-scale endeavors. In the early 1960s it began to recognize project management for what it is: a philosophy and a process for the management of new initiatives in organizations, characterized by distinct life cycle and integrated by a management system, consisting of a "matrix" organizational design supported by appropriate management activities such as planning, controlling, information support and cultural facilitation. Specialized techniques such as PERT, CPM, and schedule-cost control systems have been developed and facilitated by the growing use of computers in modern organizations. Professional societies, such as the **Project Management Institute** and **INTERNET** have come into existence, greatly aiding the maturing of the theory and the practice of project management. It is a distinct discipline to be applied to the management of new mega activities in organizations. As a discipline, project management has become a key philosophy and process to contribute to the strategic management organizations – the management of organizations as if their futures mattered PMBOK indicate the major knowledge areas in PM.

### Defining Project Management

There are a number of possible definitions of project management in which only one is narrated here:-

- ◆ A project is a unique undertaking that consist of:
  - Specific objectives
  - Defined scope & specifications
  - Allocated Budget
  - A series of tasks (WBS)
  - Schedule for completion
  - Resource consumption

### Major PM Software

A number of software are available including the followings:

- ◆ MS Project
- ◆ PERT Chart Expert
- ◆ Primavera Project Planner
- ◆ Project Workbench
- ◆ Turbo Project
- ◆ Mac Project
- ◆ Power Project
- ◆ Project Scheduler
- ◆ Super Project
- ◆ VX-I Project Management Simulator

### MS Project Management

**Minimum Duration** : 3 Semesters (1.5 years)

**Total Credit Hours** : 36 Credit hours

**Eligibility Criteria:**

16 years of education with 50% marks in annual system or 2.0/4.0 CGPA in semester system or 5+ years work experience.

**Selection Criteria:**

Academic Qualification : 30%  
Test/Interview : 70%

Every **PROCESS** was a **PROJECT** when conceived, developed and implemented for the first time

## HISTORY OF PM

- Egyptian Pyramids
- The Great Wall of China

## MODERN PM

- US Ballistic Missile Program
- US Space Program

## Degree Requirements

Each candidate for the Project Management degree is required to complete successfully the following courses:

S. No	Course Category	Cr Hrs	Total Cr Hrs
1.	Core Courses – 8	(3, 0)	24
2.	Elective Courses – 2	(3, 0)	6
3.	Research Thesis / Elective Courses – 2	(0,6) / (3,0)	6*
<b>Total</b>			36

\* Can study two additional courses in lieu of research thesis

## Focus of Modern Versus Traditional PM

Traditional PM focus on three main areas:

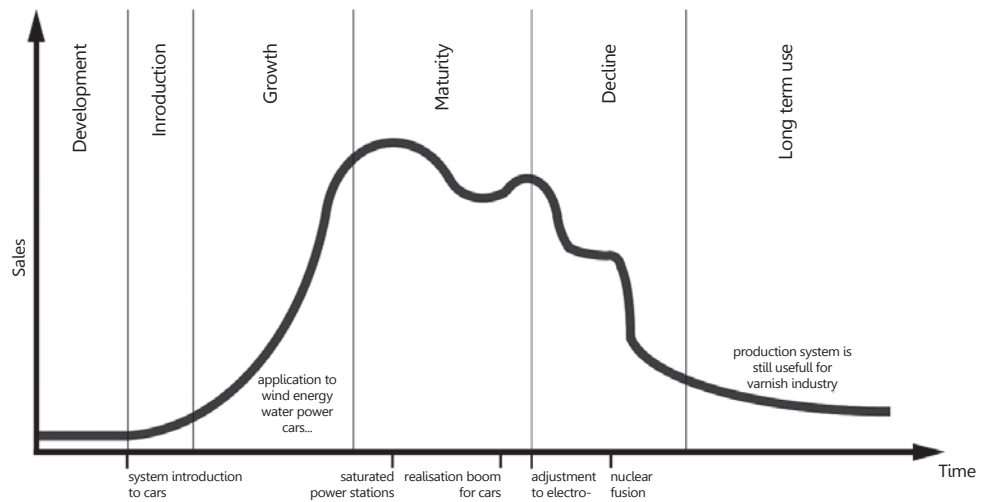
- ◆ Cost
- ◆ Schedule
- ◆ Specifications

Where as modern PM has a much broader range of focus; dealing with the issues of Quality, Risk Management, Human Resource Management, Leadership, Organizational Structure, Information Systems and overall Satisfaction of Customer. In short, the project manager in modern PM has responsibility for **customer satisfaction** as well as **business profit and loss**.

## Uses of PM

PM is applicable to all fields including;

- ◆ Construction
- ◆ Industrial
- ◆ Educational
- ◆ Governmental
- ◆ Defence
- ◆ Environmental
- ◆ Software Development



Generic Project Life Cycle

## Reasons of Project Failure

- A few major reasons for project failure are;
- ◆ Specification is ill-Defined
  - ◆ Project no longer has a high priority
  - ◆ No one person appears to be in command and control
  - ◆ Schedule is too optimistic
  - ◆ Project plan is not used to manage the project
  - ◆ Insufficient resources deployed
  - ◆ No formal communication process in place with all stakeholders
  - ◆ No Risk Management Process etc

## Criteria for Success

- Major criteria for project success include;
- ◆ According to Specification
  - ◆ Within Budget
  - ◆ Meets Market Demand
  - ◆ Political / Social / Religious Acceptance
  - ◆ On-Time
  - ◆ Good Quality
  - ◆ Safe in Use
  - ◆ Customer Overall Satisfaction

## Course Work Requirement

Following courses are currently offered to MS Project Management students.

### Core Courses

Core courses are compulsory and can't be substituted with any other course.

1. Essential of Project Management
2. Advanced Research Methods
3. Project Financial Management
4. Project Procurement & Contract
5. Project HR & Communication
6. Managerial Decision Making
7. Supply Chain and Logistic Management
8. Project Planning & Controlling

### Elective Courses

Students are required to take 6 credit hours of elective courses. The elective courses are offered by the university as deemed appropriate.

1. Total Quality Management
2. Corporate Project Cycles and Management
3. Leadership and Team Building
4. Operation Management
5. Software Project Management
6. Project Risk Management
7. ERP (Project)
8. Project management applications and tools (project)
9. Management of Project Based Organizations
10. System Dynamics for Project Management
11. Strategic Delivery of Change
12. Current Issues in Project Management

13. Statistical Methods in Project Management
14. Leveraging Customer Relationships
15. Managing Accounting
16. Strategic Management
17. Strategic Finance
18. Strategic Marketing
19. Financial Reporting and Analysis
20. Project Management Constraints
21. Project Review, Assurance & Governance
22. Financial decision analysis
23. Project communication Reporting and Presentation Management
24. Project Innovation and Technology Management
25. Managing Complex Projects
26. Seminar in Project Management
27. Seminar on PMP Exam Preparation

### Sub Specialization - PMP

Sub specialty of Project Management is **PMP Certification** preparatory course based on PMBOK

### Research Thesis

Upon completion of the course work, the students of MS Project Management program are required to write a 6 credit hours research thesis. The area of research is proposed by the student in consultation with his/her advisor. Selected research area is subject to approval of BASR. Non thesis option is also available by taking additional 6 credit hours of course work.

### Research Thesis - (0, 6)

**Every improvement, development and innovation activity should be taken as a project.**



Focal Faculty

### Brig ( R ) Dr Nawar Khan

PhD in Engg Management, MSc in Production Engineering

MBA (HRM), BSc Mechanical Engineering

ISO Standards Lead Auditor, PEC Accreditation Convener and Expert

HEC Approved Supervisor

**Focus Area:** Total Quality Management, Product and System Standards, Production Systems, Productivity Management, ISO Certifications and TQM Awards

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