

Software Project and Configuration Management MANP 1433

Lecturer: Haslina Md Sarkan haslinams@utm.my



innovative • entrepreneurial • globa



TOPIC 1: SOFTWARE PROJECT MANAGEMENT OVERVIEW

2

innovative • entrepreneurial • globa



What is a project?

- A project is a temporary overlay on the standing organization
- It is created to achieve a specific objective defined by a client within agreed time and budget
- The standing organization is represented by the linemanagement

nnovative • entrepreneural Roble project manager will manage

w.utm.my



Project defined by PMI

- A temporary group activity designed to produce a unique product, service or result.
- A project is temporary in that it has a defined beginning and end in time, and therefore defined scope and resources.
- And a project is unique in that it is not a routine operation, but a specific set of operations designed to accomplish a singular goal.

innovative • entrepreneurial • globa



In other words

- Projects have a purpose
- · Projects are limited in time and space
- · Projects have budget constraint
- Projects are collective
- · Projects are unique
- Projects are realistic
- · Projects are complex
- · Projects are an adventure
- Projects can be assessed
- Projects are made up of stages

innovative • entrepreneurial • global

www.utm.m



What is Project Management?

- Project management deals with the complex knowledge-based teamwork in organizations going through very fast changes in business environments.
- The purpose of project management is to carry out a series of activities as effective as possible.

6

innovative ullet entrepreneurial ullet global



Project management defined by PMI

the application of knowledge, skills and techniques to execute projects effectively and efficiently. It's a strategic competency for organizations, enabling them to tie project results to business goals — and thus, better compete in their markets.

innovative • entrepreneurial • global

www.utm.mv

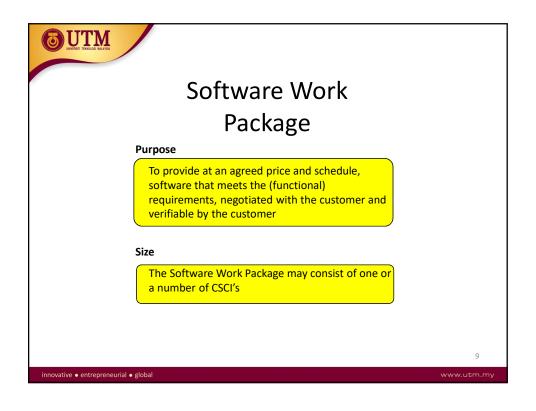


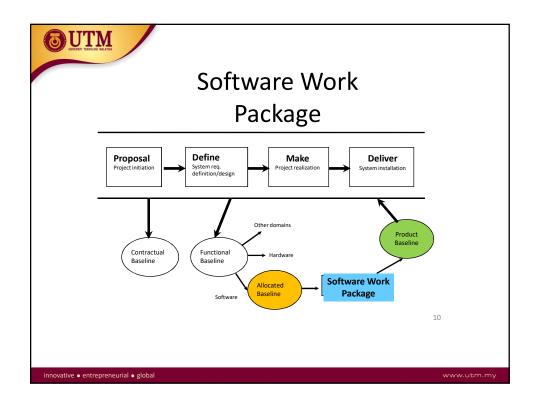
Work Package (PMI)

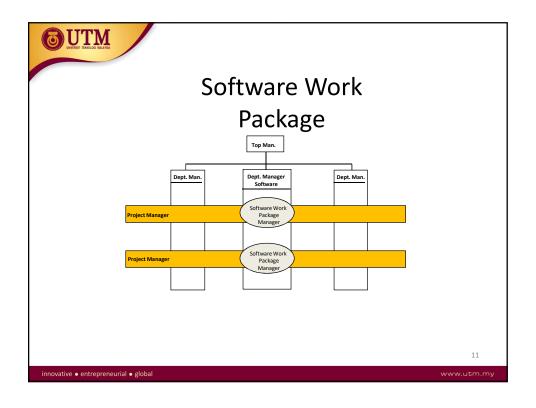
- It is the effort required to produce a deliverable within a project.
- This effort may be a single task or it could be several related tasks.

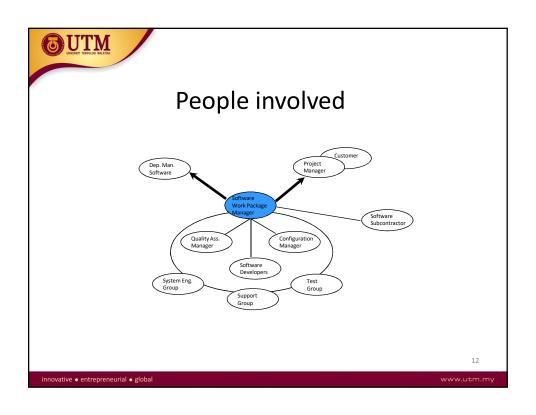
8

innovative • entrepreneurial • globa











Software work package managing steps

- · Setting-up and kick-off
 - Make sure that the input documents are ready, set up the environment, define the resources, enforce commitment
- Production
 - Drive and control the execution of the work and of each participants commitment
- Delivery
 - Carry out the product qualification, finalize the output documents, deliver them to the customer
- Closing down
 - Evaluate the project, transfer the knowledge and resources to the support group

13

innovative • entrepreneurial • globa

www.utm.my

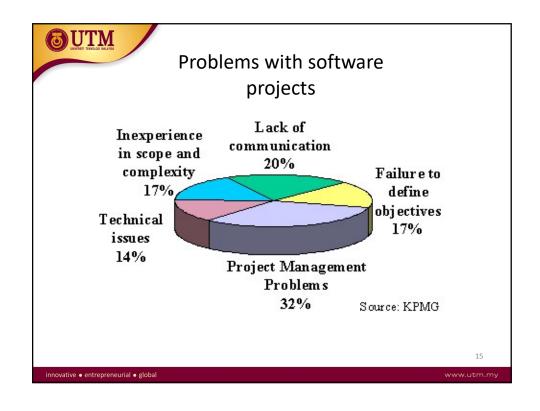


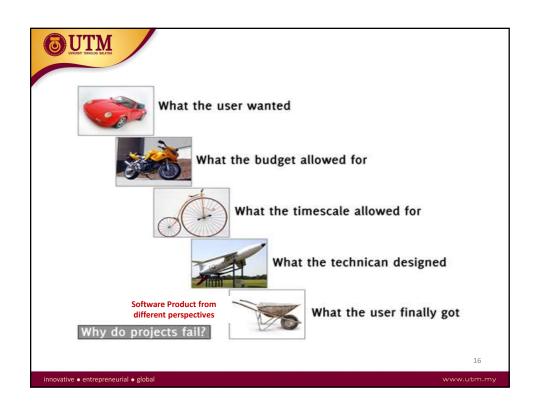
Software work package documentation

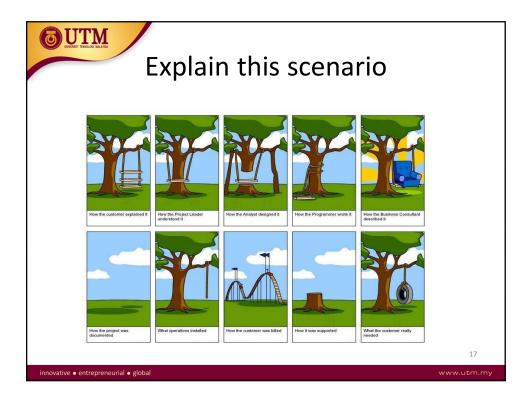
- · Management documentation
 - Software Development Plan (SDP)
 - Software Quality Program Planning (SQPP)
- · Engineering documentation
 - Allocated baseline: SRS, IRS
 - Design documentation: SDD, IDD
 - Internal documentation: project notes, project log, etc.
 - Product baseline: Software Product Specification (SPS), Version Description Document (VDD)
- · Quality assurance documentation
 - Audit and review reports
 - STP, STD, STR

14

innovative • entrepreneurial • global







Software Project Management must Manage to a Future Target

- Business Changes
 - Market shifts and investment fluctuations
 - Portfolio changes
 - Mergers and Acquisitions
- Technology Changes
 - Hardware, software, networks, mobile
 - Fast, better, cheaper
- Process Changes
 - Agility vs. quality
 - Business and technology
- Staffing Changes
 - Shortages and gluts

innovative • entrepreneurial • globa

UTM
UNIVERSITI TEKNOLOGI MALAYSIA

.....

