MONASH University

Faculty of Information Technology

FIT2002 IT PROJECT MANAGEMENT

TUTORIAL 10

TOPIC 10:
Project (Human) Resource Management
&
Monitoring & Controlling (revision)

TOPIC: Project Resource Management & Monitoring and Controlling (revision)

Learning outcomes:

- Discuss the difference between resource loading and resource levelling
- Discuss issues in human resource management
- Describe project monitoring and control
- Explain Earned Value Management
- Calculate project costs and provide revised cost estimates
  (*Note: Some of these topics serve as a revision)

Time Frame 110 Mins	Topic	Activity	Outcomes/ tasks/ resources
30 mins	Review workshop content	**Activity 1:** Review the workshop material Group led activity: ➢ Discuss the difference between resource loading and resource levelling. ➢ List and explain the factors that lead to job dissatisfaction and those that lead to satisfaction. ➢ Discuss some of the factors that lead to team dysfunction. Provide some suggestions on how to ensure a productive team. ➢ What is project monitoring and controlling? How does Earned Value Management (EVM) play an important role in this process?	*Describe and know these terms:* EVM PV AC EV CV SV CPI SPI BAC, EAC, ETC
30 mins		**Activity 2**: Calculate the earned value and estimate to complete A systems development project has four iterations planned. The project is in its third iteration and currently at the end of the 6th month. You have been asked to provide an updated estimate of the project cost to completion.	Revised project cost estimate

Iteration	Cost estimate	Duration	Performance results
Release 1	$50,000	2 months	Scope complete. Cost $50,000
Release 2	$50,000	2 months	Scope complete. Cost $75,000
Release 3	$50,000	2 months	Scope 50% complete. Cost $40,000
Release 4	$50,000	2 months	Not started

Calculate:
PV, EV, AC, CV, SV, CPI, SPI, BAC, ETC and EAC

30 mins		**Activity 3**: Provide a revised project cost Assume a small 4-week software enhancement project is budgeted for $10,000. At the end of week 3, 75% of the work should have been completed, but only 50% of the work is actually completed. You have spent $9,000. Calculate the CV, SV, SPI, CPI and EAC.	Revised project cost estimate
20 mins	Progress report	**Activity 4**: Assignment 2 discussion and team review meeting Consider your assignment 2 as a project, what monitoring and controlling activities can you do to ensure it is completed successfully? What are the constraints? Your tutor will assess your project team collaboration.	Progress report