

School of Engineering

PROJECT PLANNING 3

Project Manageing

Mark Sanford

WHY DO WE NEED PROJECT MANAGEMENT?

- To provide the focus of dedicated attention, and dedicated team members.
 - To provide skills specific to the needs of the project, rather than the functional management of the project. Such as:-
 - Control of suppliers and sub-contractors
 - Work break-down structures
 - Planning
 - Budgeting and financial control
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Organisational Structure and Project Management

- ☐ Traditional systems
 - ☐ Matrix systems
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THE ROLE OF THE PROJECT MANAGER

- ❖ Mini-Business Manager
 - ❖ Accountable for
 - Time
 - Cost
 - Performance
 - ❖ Team Leader and Builder
 - ❖ Planning
 - ❖ Budgeting and Cost Control
 - ❖ Technical Judgement – why?
 - ❖ Diplomat/Negotiator
 - ❖ Control of Sub-Contractors and Suppliers
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PLANNING PHILOSOPHY

- ❖ Planning is an integral part of the project manager's function
 - ❖ A determination to look ahead constantly
 - ❖ A determination to take decisions and allocate resources based on an integrated plan of action
 - ❖ Involvement of all concerned
 - ❖ Commitment to achieve targets and milestones
 - ❖ Top Management support
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MINI-BUSINESS

- ❖ Profit responsibility (or budget targets)
 - ❖ Personnel and Human Resources
 - ❖ Customer Relations
 - Recruitment
 - Industrial Relations
 - ❖ Negotiating Contract Variations
 - ❖ Quality Systems
 - ❖ Morale
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TARGETS

- ❖ Time
 - Meeting Milestones
 - Meeting the Completion Date
 - Predicting Delays
 - Recovery Planning
 - ❖ Costs
 - Meeting Budget
 - Controlling Costs
 - Optimising Income
 - ❖ Performance
 - Meeting Functional Objectives
 - Test Planning
 - Risk Management (technical)
 - ❖ Flagging Variances for Senior Management and the team
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TECHNICAL JUDGEMENT

- ❖ Agreeing Technical Objectives
 - ❖ Agreeing the Test Plan
 - ❖ Setting Standards
 - ❖ Authorisation of Concessions
 - ❖ Chairing Reviews
 - ❖ Authorisation of Release
 - ❖ Vendor Rating
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TEAMS

- ❖ Selection
 - ❖ Building
 - ❖ Moral and Motivation
 - ❖ Culture
 - ❖ Fitting Individuals into Roles
 - ❖ Composition
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PLANNING

- ❖ Costs and Budgets
 - ❖ Duration
 - ❖ Resources and Levelling
 - ❖ Risk Identification
 - ❖ Risk Management
 - ❖ Recovery Planning
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Project Gateways –Group Work

- ☐ Cuppa tea project
 - ☐ Devise as many technical gateways as is possible
 - ☐ Create 'SMART' technical objectives
 - ☐ Create 'Quality Controls' that can be used to measure technical compliance to the objectives.
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RASIC

Assignment

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