ITC 4760
Information Technology Evaluation & Implementation

Project Schedule
Project Schedule

• **Summary schedule**: key deliverables and their planned completion dates. Gantt chart.

• **Detailed schedule**: schedule management plan and dependencies that could affect the project schedule. For example, network diagram.

• **Other schedule-related information** like hardware and software schedule.
## Gantt Charts

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displays Basic Task Information</td>
</tr>
<tr>
<td>Gives Name Of Task</td>
</tr>
<tr>
<td>Indicates Task Duration</td>
</tr>
<tr>
<td>Provides Initial Information</td>
</tr>
<tr>
<td>Gives Project Activity Overview</td>
</tr>
<tr>
<td>Tasks Are Displayed As A Bar</td>
</tr>
<tr>
<td>Good Tool For High Level Project View</td>
</tr>
</tbody>
</table>
Gantt Chart Example

Workshop 1

Hour 1

Hour 2

Hour 3

Hour 4
PERT Charts

Displays Task & Dependencies

Boxes Represent Tasks

A Box Is Called A ‘Node’

A Line Represents A Dependency

Chart Shows Completed Tasks

Tasks Not Yet Started Are Shown

Good High Level Project Planning Tool
PERT Chart Example
| CPM Charts |  
|---|---|  
| Represent Critical Tasks |  
| Shows Impact Of Tasks On Project |  
| Critical Path Links Critical Tasks |  
| Critical Tasks Can Shorten Project |  
| Critical Tasks Can Lengthen Project |  
| Critical Path Can Change |  
| Good Resource Planning Tool |
CPM Chart Example
# Project activity planning

<table>
<thead>
<tr>
<th>What</th>
<th>What must be done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>How</td>
<td>How should it be done?</td>
</tr>
<tr>
<td>Who</td>
<td>Who will do it?</td>
</tr>
<tr>
<td>When</td>
<td>By when must it be done?</td>
</tr>
<tr>
<td>How Much</td>
<td>How much will it cost?</td>
</tr>
<tr>
<td>How Good</td>
<td>How good does it have to be?</td>
</tr>
</tbody>
</table>
INFORMATION SYSTEM STAKEHOLDERS

♦ Those who fund the system
♦ Those who manage the system
♦ Those who build & maintain the system
♦ Those who operate the system
♦ Those who use the system
INFORMATION SYSTEM COMPONENTS

♦ Hardware
♦ Software
♦ Data
♦ People
INFORMATION SYSTEM COMPONENTS (Hardware)

- Processing
- Main storage
- Auxiliary storage
- Telecommunication
INFORMATION SYSTEM COMPONENTS (Software)

♦ Operating Systems
♦ File Management
♦ Transmission
♦ Utility
♦ Application
INFORMATION TECHNOLOGY PROJECT (Part 1)

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INFORMATION SYSTEM COMPONENTS (Data)

♦ Input
♦ Output
♦ Indexes
♦ Tables
♦ Manuals
Project Environment

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**Project Environment**

- Project relation to organization mission, structure, and goals.
- Project initiation
- Project activity planning
- Assigning and conducting project activities
- Monitoring and controlling the project
- Project closure
Project Environment
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Project relation to organizational mission, structure and goals.

ALIGNMENT WITH COMPANY OBJECTIVES

PROJECT

IMPROVES COMPANY COMPETITIVE POSTURE
Project Environment

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Project relation to organizational mission, structure and goals.
## Project Environment

**ITC 4760 – Information Technology Evaluation & Implementation I**

### Assigning and conducting project activities

<table>
<thead>
<tr>
<th>Concept</th>
<th>Definition</th>
<th>Acquisition</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OBJECTIVE</strong></td>
<td><strong>DETAILS</strong></td>
<td><strong>BUILD</strong></td>
<td><strong>IMPLEMENT</strong></td>
</tr>
<tr>
<td>Project Need</td>
<td>What</td>
<td>Action To Meet Needs</td>
<td>Project Results Are Used</td>
</tr>
<tr>
<td>How Need Can Be Met</td>
<td>Where</td>
<td>When</td>
<td>Used</td>
</tr>
<tr>
<td></td>
<td>How Much</td>
<td>How Much</td>
<td></td>
</tr>
</tbody>
</table>

Assigning and conducting project activities
Project Environment
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Project Control

Organizational Management

Organizational Budget & Finance

Project Management

Project Budget & Finance

Organizational Resource Management

Project Scheduling & Control

Organizational Auditing & Control

Project Resource Management
Project Environment

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Project closure

System Life Cycle

Concept
Definition
Design
Development or Construction
Application
Post-Completion

Project Resources
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Project Schedule