

Systems Analysis and Design

Systems Planning and Selection

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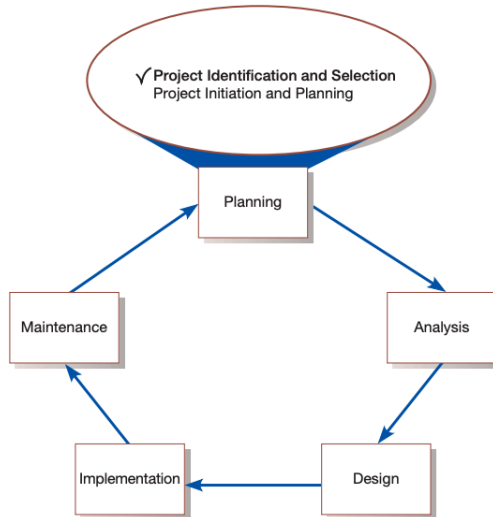
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- ② Project Initiation and Planning

- ③ Building the Baseline Project Plan (BPP)

Identifying and Selecting Projects



Requests for information

Requests for information systems development can come from three key sources:

1. Managers and business units who want to replace or extend an existing system in order to gain needed information or to provide a new service to customers.
2. Information systems managers who want to make a system more efficient or less costly to operate, or want to move a system to a new operating environment.
3. Formal planning groups that want to improve an existing system in order to help the organization meet its corporate objectives, such as providing better customer service.

Identifying and Selecting

Project identification and selection consists of three primary activities:

1. Identifying potential development projects.
2. Classifying and ranking IS development projects.
3. Selecting IS development projects.

Project Initiation and Planning

Major outcomes and deliverables from project initiation and planning:

Baseline project plan (BPP) contains all information collected and analyzed during the project initiation and planning activity. It contains the best estimate of the project's scope, benefits, costs, risks, and resource requirements.

Types of Activities Performed During Project Initiation

- Establishing the project initiation team.
- Establishing a relationship with the customer.
- Establishing the project initiation plan.
- Establishing management procedures.
- Establishing the project management environment and project workbook.
- Developing the project charter.
- Describing the project scope, alternatives, and feasibility.
- Dividing the project into manageable tasks.

Types of Activities Performed During Project Initiation

- Estimating resources and creating a resource plan.
- Developing a preliminary schedule.
- Developing a communication plan.
- Determining project standards and procedures.
- Identifying and assessing risk.
- Creating a preliminary budget.
- Developing a project scope statement.
- Setting a baseline project plan.

Building the Baseline Project Plan (BPP)

BPP contains four major sections:

1. Introduction
2. System description
3. Feasibility assessment
4. Management issues

BPP - Introduction

1. Introduction:

- Project Overview.
- Recommendation.

BPP

BPP - System description

2. System description:

- Alternatives.
- System Description.

BPP

3. Feasibility assessment:

- Economic Analysis.
- Technical Analysis.
- Operational Analysis.

BPP

BPP - Feasibility assessment

- Legal and Contractual Analysis.
- Political Analysis.
- Schedules, Timeline, and Resource Analysis.

BPP

4. Management issues:

- Team Configuration and Management.
- Communication Plan.
- Project Standards and Procedures.
- Other Project-Specific Topics.

BPP