

INTRODUCTION TO PROJECT IDENTIFICATION AND SELECTION

Subject: System Analysis And Design

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INTRODUCTION

- Project Identification and Selection is the **first phase of System Analysis and Design / SDLC**.
- In this phase, the organization identifies the need for a **new information system or improvement in an existing system**.
- It also helps in choosing the **most suitable project** among many alternatives.
- The main objective is to ensure that the selected project supports **business goals and user requirements**.
- This phase reduces the chances of project failure by selecting only **valuable and feasible projects**.

Key Objectives

- Identify system needs
- Recognize opportunities and problems
- Select the best project
- Ensure resource optimization

PROJECT IDENTIFICATION

Project Identification means recognizing a **problem, opportunity, or requirement** that needs a system solution.

✓ Sources of Project Ideas

1. **Management Requests**
 - Strategic decisions
 - Performance improvement
2. **User Department Requests**
 - Need for better reports
 - Faster processing
3. **Existing System Problems**
 - Errors
 - Delays
 - Security issues
4. **External Factors**
 - Competition
 - Government policies
 - Technology trends

✓ Importance

- Helps detect business problems early
- Provides direction for system development

APPROACHES TO PROJECT IDENTIFICATION

1. Top-Down Approach

- Initiated by top management
- Based on organizational goals
- Focuses on long-term strategic needs

◆ 2. Bottom-Up Approach

- Initiated by users or departments
- Solves operational problems
- Focuses on day-to-day system issues

◆ 3. Mixed Approach

- Combination of top-down and bottom-up
- Balances strategic and operational needs

✓ Benefit

This ensures projects are both **strategically important and practically useful**.

PROJECT SELECTION PROCESS

Project selection means choosing the **most beneficial project** from all identified options.

Steps in Selection

1. Identify Potential Projects

- Prepare a list of possible projects

2. Evaluate Each Project

- Cost
- Benefits
- Time
- Resources

3. Prioritize Projects

- High priority
- Medium priority
- Low priority

4. Final Selection

- Select the project that offers **maximum benefit with minimum risk**

CRITERIA FOR PROJECT SELECTION

Projects are selected on the basis of:

Economic Feasibility

- Cost-benefit analysis
- ROI

Technical Feasibility

- Availability of hardware/software
- Technical expertise

Operational Feasibility

- User acceptance
- Ease of use

Schedule Feasibility

- Can it be completed on time?

Strategic Feasibility

- Does it align with organizational goals?