

Software Engineering Project Report

2010

CoverPage

Approval

Contents

- Abstract
 - How information systems help automate business processes and decision making? What kind of project this is? What this document contains?
- Background
 - Current information processing scenario in the organization.
- Introduction
 - Problems and how these problems lead to implementation of new Information System
- Methodology
 - Methods used to collect requirements, to design the software, to implement and test the software system, tools used, diagram types, etc.
- Requirements document
 - data requirements - DFDs, ER diagram
 - functional requirements - use cases, sequence diagrams
 - interface requirements - UI, system ...
 - behavioral requirements - when invalid input is entered, invalid calculation occurs, missing data ...
- Design document
 - data design - schema
 - functional design - flow charts, object interaction diagrams, class diagrams etc.
 - interface design - GUI forms, reports generated by the new system (along with tables, charts etc.)
- Implementation strategy - coding document
 - Coding standards and templates
 - Implementation strategy and platform selection - why ?
 - Implementation problems
- Testing document
 - Test strategy
 - Test cases (at least 2 test cases for each team member)
- Conclusion and future work
- Self evaluation / lesson learned.
- References/bibliography

Presentation Slides

Introduction - how current system captures information, process, and generates report

Problems - what are the problems in current system while capturing, processing, and generating reports

Requirements and feasibility study

- data requirements - DFDs, ER diagram
- functional requirements - use cases, sequence diagrams
- interface requirements - UI, system ...
- behavioral requirements - when invalid input is entered, invalid calculation occurs, missing data ...

Design

- data design - schema
- functional design - flow charts, object interaction diagrams, class diagrams etc.
- interface design - GUI forms

Implementation

- Implementation strategy and platform selection - why ?
- Implementation problems

Conclusion and future works

Demonstration