Module

DEFINITION OF THE PROBLEM

➢ **Various forms required in the project**

Design Plan:	Document Name: Problem Definition Document	SWD/Form No. 1
Effective Date:	**Version: 1**	**Page No.**

Problem definition of Regal Soft Application – Certificate Generation System

The Center ABC have many of students register for courses and issue certificate for students. They have done manually and time consuming, due to the increasing needs to students. This work is manually where they keep the track of data by making separate file for each department. So, this is a Certificate Department which works for "ABC" institute for the developing the certificate generation system for students who had completed their course.

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Design Plan:	Document Name: CRS	SWD/Form No. 2A
Effective Date:	Version: 1	Page No.

CUSTOMER REQUIREMENT SPECIFICATION DOCUMENT

Client/ Project Undertaken: Certificate Generation System

1. **List of inputs to the system**
2. **List of outputs expected from the system**
3. **Overview of processes involved in the system**
4. **Hardware and software required for implementing the project**

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Design Plan:	Document Name: CRS/ Customer Acceptance Criteria	SWD/Form No. 2B
Effective Date:	Version: 1	Page No.

CUSTOMER'S ACCEPTANCE CRITERIA

S. No	Customer's Acceptance Criteria
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	
13.	
14.	

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Design Plan:	Document Name: Project Plan	SWD/Form No. 3
Effective Date:	Version: 1	Page No.

PROJECT PLAN

1. **Project Details**
    - ➤ **Name of the Client:**
    - ➤ **Date of Project Plan:**
    - ➤ **Project Vision/ Objectives:**
      (Define the project vision/ objectives as stated by the client)
    - ➤ **Scope:**
      (Mention the scope of the project giving the locations that will be covered, processes, range of services, and so on.)
    - ➤ **Our understanding of the client organization:**
      (Give the range of services, functions, overview of processes, and so on.)
    - ➤ **Project Organization with Responsibilities and Authorities:**
      (Give the name of Project team members their roles and responsibilities.)
2. **Project Initiation/ Requirement Documents**
    (Information required from the Client as inputs regarding his system; could be the information about his services, processes.)
3. **Deliverables**
    (The documents to be handed over to the client – like CRS, Design Document, Installation Manual, User Manual, Maintenance Manual, and Code documents.)
4. **Project Dependencies**
    (Any event or task outside the scope of the project, which will affect the success of the project.)
5. **Major Project Milestones**
    (Generating CRS, Building a Prototype.)
6. **Quality Plan**
    - ➤ **Review Activities** (Review meeting participants, frequency)
    - ➤ **Testing Activities** (Final Test)
    - ➤ **Backup and recovery strategies** (in case of disk crash, network failures)

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Design Plan:	Document Name: GUI Standards Document	SWD/Form No. 4

Effective Date:	Version: 1	Page No.

DOCUMENT DESIGN

PROPERTIY	VALUE
Document theme and color scheme	
Form-Background color	
Title-Font Size	
Title-Font Color	
Title-Font Style	Times New Roman
Title-Alignment	
Background color of Controls on the form	
Foreground color of Controls on the form	
Control Caption – Font Size	
Control Caption – Font Color	
Control Caption – Font Style	Times New Roman
Control caption and controls-Alignment	
Command button-Alignment	

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Design Plan:	Document Name: Interface Design Document	SWD/Form No. 5
Effective Date:	Version: 1	Page No.

INTERFACE DESIGN DOCUMENT

1. **List of form to be created**

Document Name	Description	Controls on the Document

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Design Plan:	Document Name:	SWD/Form No.
Effective Date:	Version: 1	Page No.

CODING STANDARDS DOCUMENT

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Design Plan:	Document Name: Table Design Document	SWD/Form No. 6
Effective Date:	Version: 1	Page No.

PROCESS DESCRIPTION DOCUMENT

1. **ER Diagram**
2. **Entity and Properties**
3. **Database Relationship Diagram**
4. **Database Structure**

Name of the Table	Table Description	Number of Fields	Primary Key	Related Tables	Foreign Key

5. **Algorithms and data structures**

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Design Plan:	Document Name: Process Description Document	SWD/Form No. 7
Effective Date:	**Version: 1**	**Page No.**

PROCESS DESCRIPTION DOCUMENT

1. **Process Name**
2. **Process Description and Details**

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Design Plan:	Document Name: Coding Standards Document	SWD/Form No. 8
Effective Date:	**Version: 1**	**Page No.**

1. **Programming Standards**
2. **Standards for code writing style**
3. **Standards for declaring Variables**
4. **Standards for Function Declarations**
5. **Other Standards**

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Design Plan:	Document Name: Task Sheet	SWD/Form No. 9

Effective Date:	Version: 1	Page No.

TASK SHEET

Project Ref. No.:	Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Task Sub division	Description	Planned Start Date	Actual Start Date	Actual Days	Team Member Names	Status
Requirement Gathering and Analysis						
Problem Definition						
CRS						
Customer Acceptance Criteria						
Development and System Design						
Project Plan						
Process Design Document						
Process Description Document						
Interface Design Document						
Table Design Document						
GUI Standards Document						
Task Sheet						
Implementation and Coding						
Coding Standards Document						
Coding						
Integration Testing and Review System						
Integration Testing Report						
Review Report						

Final Checklist						

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Design Plan:	**Document Name: Testing Document**	**SWD/Form No. 10**
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INTEGRATION TESTING REPORT

S. No.	Features Tested	Remarks

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Design Plan:	**Document Name: Project Review**	**SWD/Form No. 11**
Effective Date:	**Version: 1**	**Page No.**

REVIEW REPORT

Date:	Project Plan Activity/ Milestone	Work Specification	Status of the Activity	Remarks	Responsibility

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Date		

FINAL CHECKLIST

(This document has to be filled by the teacher only. The teacher will do a complete functionality testing of the application and his/ her findings and suggestions to this form.)

Design Plan:	**Document Name: Final check List**	**SWD/Form No. 12**
Effective Date:	**Version: 1**	**Page No.**

S. No.	Aspect tested	Suggestion/ Remarks
1.	Have all the modules been properly integrated and are they completely functional?	
2.	Does each unit meet its objective and purpose? Are all the validations happening as specified in Process Design?	
3.	Have all Design and Coding standards been followed and implemented?	
4.	Is the GUI design consistent all over?	
5.	Are the codes working as per the specification?	
6.	Does the application's functionality resolve the client problem, and satisfy his needs completely?	
7.	Have the hardware and software been correctly chosen?	
8.	Additional features and utilities that give value addition to the entire project.	

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Date		

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