**FORMAT FOR PREPARATION OF PROJECT REPORT**

**1. ARRANGEMENT OF CONTENTS:**

The sequence in which the project report material should be arranged and bound should be as

follows:

1. Title Page

2. Certificate

3. Acknowledgement

4. Table of Contents

5. Abstract

6. List of Tables

7. List of Figures

8. List of Symbols, Abbreviations and Nomenclature

9. Chapters (Introduction , Literature Survey, System Analysis(if applicable),

System Design(if applicable), Coding, Testing(if applicable), Conclusion , Future

Enhancement)

10. Appendices

11. References(Students should follow IEEE format of papers and books)

The table and figures shall be introduced in the appropriate places.

**Topic to be included**

**1. INTRODUCTION**

1.1. Purpose

1.2. Scope

1.3. Aim

1.4. Objectives

1.5. Methodologies

2. **ANALYSIS**

2.1. INTRODUCTION

2.1.1. Project Overview

2.2. DATA FLOW DIAGRAM(S)

2.3. SPECIFIC REQUIREMENTS

2.4. External Interface Requirements

o **User Interfaces**

Create a user manual with all user commands, screen formats etc. For

example, if display terminal is used, specify required screen format, menus, and

report layouts, function keys etc.

o **Hardware Interfaces**

SRS should specify the logical characteristics of each interface between software

product and the hardware component. The current use and load characteristics of

the hardware should be given.

o **Software Interfaces**

Specify the interface with other software that the system will use or specify the

interface with the operating system and other applications.

o **Communications Protocols**

Describe the requirements associated with any communications functions required

by this product, including e-mail, web browser, network server communications

protocols, electronic forms, and so on. Define any pertinent message formatting.

Identify any communication standards that will be used, such as FTP or HTTP.

Specify any communication security or encryption issues, data transfer rates, and

synchronization mechanisms.

2.3 SOFTWARE SYSTEM ATTRIBUTE

o **Reliability and Fault Tolerance**

Fault tolerance includes details about recovery from failure.

o **Security**

Specify any requirements regarding security or privacy issues surrounding use of

the product or protection of the data used or created by the product. Define any

user identity authentication requirements. Refer to any external policies or

regulations containing security issues that affect the product. Define any security

or privacy certifications that must be satisfied.

o **Software Quality Attributes**

Specify any additional quality characteristics for the product that will be

important to either the customers or the developers. Some to consider are:

adaptability, availability, correctness, flexibility, interoperability, maintainability,

portability, reliability, reusability, robustness, testability, and usability. Write

these to be specific, quantitative, and verifiable when possible. At the least, clarify

the relative preferences for various attributes, such as ease of use over ease of

learning.

o **Performance**

If there are performance requirements for the product under various

circumstances, state them here and explain their rationale, to help the developers

understand the intent and make suitable design choices. Specify the timing

relationships for real time systems. Make such requirements as specific as possible.

You may need to state performance requirements for individual functional

requirements or features.

2.4 DATABASE REQUIREMENT(S)

3. DESIGN

3.1. INTRODUCTION

In this document we formalize data modeling based on the powerful concept of business rules.

The purpose of the design phase is to plan a solution of the problem specified by the requirement

documents. This phase is the first step in moving from the problem domain to the solution domain.

The output of this phase is the design document, which will act as a blue print for the solution and is

used later during implementation, testing and maintenance.

The design activity is divided into three separate phases: Conceptual Data Modeling, Logical

Data Base Design, and Physical Data Base Design.

 **Conceptual Data Modeling** analyzes the overall data requirement of the proposed

information system.

 **Logical Data Base Design** transform the conceptual data model into a standard relation

called relation based on relational database theory and a process called Normalization.

 In **Physical Data Base Design** and Definition, one decides on the organization of the

database in computer storage (usually disk) and defines the physical structure of data base

management system.

3.2. BUSINESS RULE

A business rule is “a statement that defines or constraints some aspect of the business. It is intended

to assert business structure or to control or influence the behavior of the business.”

Most organizations have a host of rules and/or policies that impact its database. But there are

also some business rules that cannot be represented in common data modeling notation. Those rules

that cannot be represented in a variation of an entity-relationship diagram are stated in natural

language and some can be represented in the relational data model.

3.3. FINAL ENTITIES AND ATTRIBUTES

3.4. ENTITIY-RELATIONSHIP MODEL

3.5. PHYSICAL DATABASE DESIGN

4. SOFTWARE DEVELOPMENT METHODOLOGY

5. SYSTEM TESTING

1 INTRODUCTION

1.1 System Overview

1.2 Test Approach

2 TEST PLAN

2.1 Features to be tested

2.2 Features not to be tested

2.3 Testing Tools and Environment

3 TEST CASES

3.*n* Case-*n*

3.*n*.1 Purpose

3.*n*.2 Inputs

3.*n*.3 Expected Outputs & Pass/Fail criteria

3.*n*.4 Test Procedure

6. OUTPUT FORMS & REPORTS

7. CONCLUSION

8. FUTURE ENHANCEMENT(S)

**BIBLIOGRAPHY**

**APPENDICES**

**TYPING INSTRUCTIONS:**

The impression on the typed copies should be black in color.

Word Processor Microsoft Word

**Page Size A4 (8.27” x 11.69”) with page number**

Page Margin for all pages Top = 1 inch

Bottom=1 inch

Left =1.5 inch

Right=1 inch

Font Times New Roman

CHAPTER TITLE 16 pt. Bold & CAPITAL CASE

Font Size for Sub-Headings 12 pt. Bold & Title Case

Font size for Text 12 pt.

Line Space for Text 1.5 line space

Paragraph 6 pt. Space before and after paragraph &

Alignment=Justify

Reference Align=justify

Line Space=single and 6 pt. space before the next reference.

**CONNECT**

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**A PROJECT REPORT**

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***Submitted by***

<Font Size 14><Italic>

**AMAYA RANJAN DAS**

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*Under the guidance of*

**TUSHAR RANJAN SAHOO,**

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***in partial fulfillment for the award of the degree***

***of***

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in

**COMPUTER SCIENCE**

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Of



**INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY**

Bhubaneswar (Odisha)

OCTOBER & 2014

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**DEPARTMENT OF COMPUTER SCIENCE & IT**

**INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY**

**BHUBANESWAR (ODISHA)**

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**CERTIFICATE**

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This is to certify that the dissertation entitled “Connect” submitted by --

A --- is approved for the award of Degree of Bachelor of Technology in

Computer Science & Engineering

**PROJECT GUIDE DATE:**

**CO-ORDINATOR**

**DEPARTMENT OF CSE AND IT,**

**IIIT BHUBANESWAR**

**DATE:**

**ACKNOWLEDGEMENT**

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**Signature of the student**

**Name of the Student**

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