Project Proposal on

<Your project title>

<Student Name>
<NCC ID>

Computing Project
Level 5 Diploma in Computing
Softwarica College of IT & E-Commerce
Kathmandu, Nepal

<Proposal submission date>

Contents

Chapter 1

Introduction

This section sets the scene for your project.

What your project is about? Describe the domain of the project.

Provide overview of your project (may be with some diagrams!). Provide background and description of related concepts in your project.

If any external agency is involved you should explain what the agency is, why the project is required and any other relevant background.

What problem you are trying to solve? (Identity the domain problem)

Be systematic and elaborate in your problem identification section.

Why solving the identified problems matters? What benefits will the client/customer/user of your product have?

This should give reasons for the choice of this project, how the project draws on other modules of the course, what you hope (and expect) to gain from the project and other, similar aspects.

Perform a cost benefit analysis of your project (optional, but better to have).

1.1 Main features

Give the list of main features that you want to have in your product. (give in bullets)

1. View student marks for each exam
2. Second feature
3. Third feature
4. ...

What features will not be in your project? Why? (Write this only if necessary!)

Identify and list out your choice of programming languages, tools, development environments, platforms, and any other relevant technical aspects of your proposed project.

1.2 Aims

State one or two major goals/aims of your project. for example:

- To build desktop application for managing student information of ABC college
- To automate the student information managing process in ABC college

1.3 Objectives

Objectives are the set of activities that you perform to achieve the stated aims. Your objectives should be SMART.

Some of the objectives will be technical(for instance, to solve some technical problem) and some will be personal (for instance, to learn a new programming language), and some academic (for instance, to learn different approaches to research activities).

State the objectives that you will have to perform to achieve the stated aim. For example:

- To gather requirements from the stakeholders
- To design ...
- To develop ...
- To test ...
- To document ...
- ...

1.4 Development methods

Describe which development method you choose and why?

Refer to NCC lecture notes for available types of software development methods. Choose either waterfall or agile (iterative) development methodology.

You are suggested to use waterfall methodology.

Try to find your own reasons for selecting object-oriented methodology in your project.

Chapter 2

Project plan

Your project plan will be in this chapter. Describe how you are actually going to prepare and present the project plan here (tools used, and so on).

Give your readers directions about where they can find relevant information in this chapter.

2.1 Work Breakdown Structure (WBS) and Time Estimate

Describe what is the purpose of WBS in your project? How it will help in your project plan?

Your WBS should identify all of the project related activities you are actually going to perform in your project. Some high level activities that you actually going to perform are:

- Proposal
- Analysis
- Design
- Implementation
- Testing
- Reporting

Adjust your estimation based on your final reporting deadline.
Build your own WBS for your project!

WBS #	Task name	Days
0.	**Your project name**	total
1	**Project Management**	15
1.1	Scoping	5
1.2	Planning	5
1.3	Monitoring & Controlling	5
2	**Analysis**	-
2.1	Requirements	-
2.2	Use cases	-
2.3	Architecture	-
3	**Design**	-
3.1	Structural model	-
3.2	Behavior model	-
4	**Testing**	-
4.1	Unit testing	-
4.2	Integration testing	-
5	**Reporting**	-
5.1	User manual	-
5.2	Final report	-
5.3	Presentation materials	-

Table 2.1: Example work breakdown structure with time estimate

2.2 Milestones

Identify at least 3 major milestones of your project with their planned delivery dates. For example:

Milestones	Date
Project proposal	July 4, 2014
Analysis specification	July 18, 2014
Design specification	August 8, 2014
Final report	September 15, 2014

Table 2.2: Milestones

2.3 Schedule

Describe how you scheduled your activities?

Your Gantt chart will be here Figure 2.1. Your Gantt chart should show milestones as well.

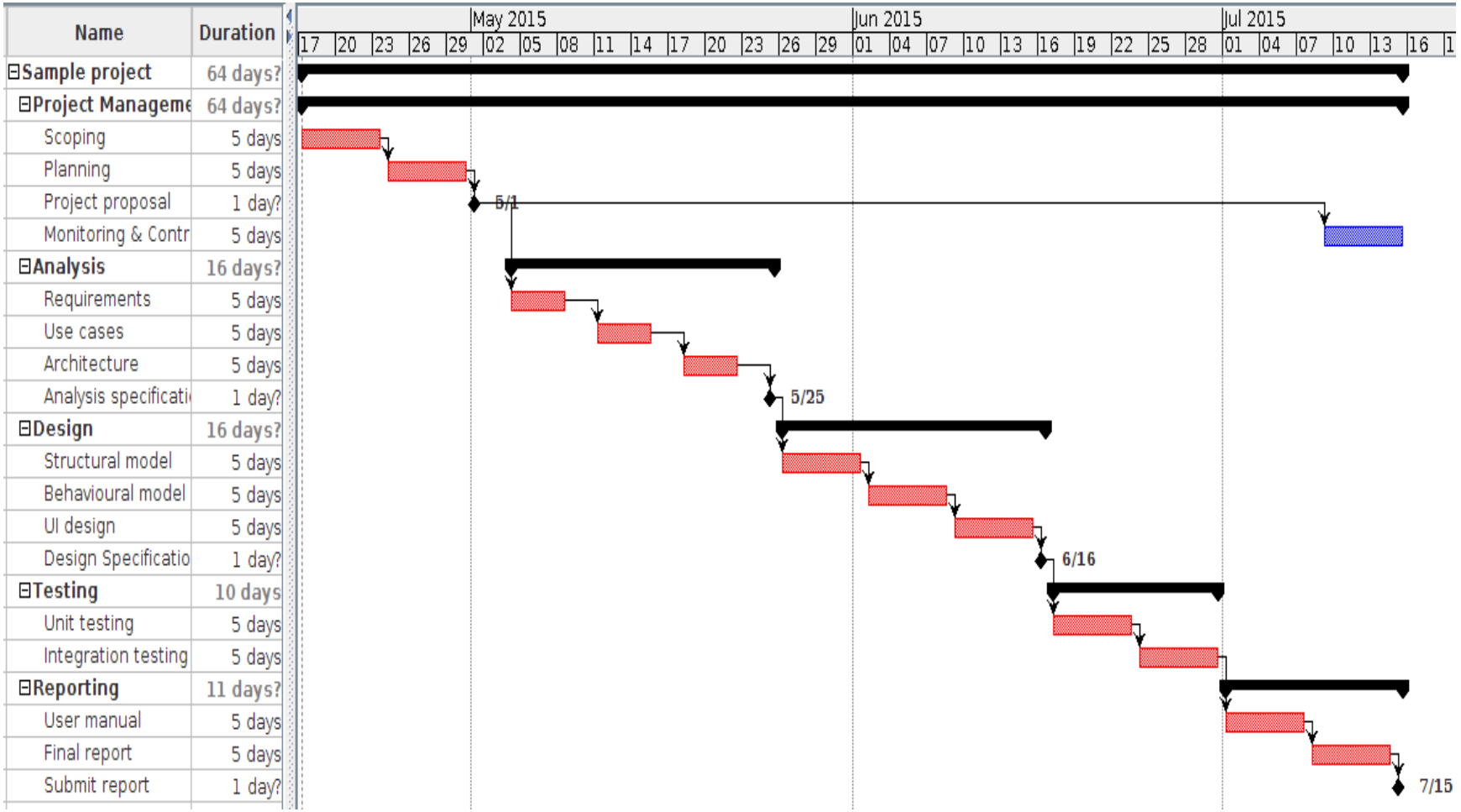

Figure 2.1: Sample Gantt chart

Chapter 3

Risk Management

Perform risk management in your project here! (Refer to lecture notes and the book)

To estimate the impact of each identified risks we use

$$Impact = Likelihood \times Consequence$$

relation. In this relation, the likelihood and consequence values are assigned based on the scale shown in Table 3.1 and Table 3.2.

You have to identify at least 5 risks for your project and suggest appropriate risk alleviation approach using tabular form as shown in Table 3.3. You have to provide the values table for likelihood and consequence as shown in relevant tables.

Likelihood	**Value**
Low	1
Medium	2
High	3

Table 3.1: Risk likelihood values (Dawson 2005)

Consequence	**Value**
Very low	1
Low	2
Medium	3
High	4
Very high	5

Table 3.2: Risk consequence values (Dawson 2005)

Risk	**Likelihood**	**Consequence**	**Impact**	**Action**
Hard disk crash	2	4	8	Investigate cost and prepare reliable backup
..	..	..	..	
..	..	..	..	

Table 3.3: Risk management sample table

Chapter 4

Configuration Management

Describe your configuration management plan here! Use a simple directory structure for configuration management! Refer to the configuration management approach discussed in the student's handbook! (short description!) You also have to show your directory structure as shown Figure 4.1:

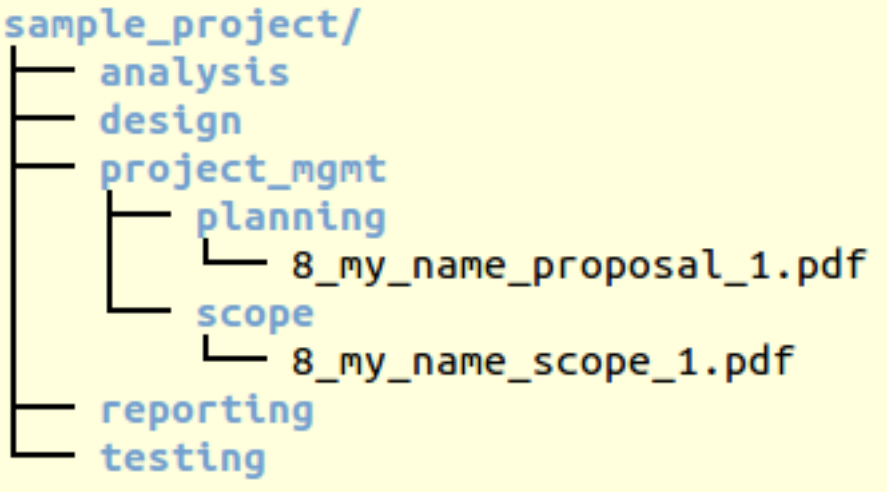

Figure 4.1: A example directory structure for demo_project

Chapter 5

Conclusion

Provide conclusion for your project proposal.

Bibliography

Dawson, C.W. (2005). *Projects in Computing and Information Systems: A Student's Guide*. Addison-Wesley. ISBN: 9780321263551.