

CA 3 – ANNOUNCEMENT

Project – Website Design using Nodejs

- ❖ Create a webpage Using Nodejs to solve any real-world problems.
- ❖ Prepare a report with minimum of 15 pages and maximum of 30 pages, that illustrates how your project works and make it clear that reader should understand it clearly.
- ❖ Report should be followed with proper formatting as mentioned bellow in Annexure - A
- ❖ Report should be uploaded in to the UMS portal on or before the mentioned deadline date.
- ❖ Present your work during the assessment.
- ❖ Upload your working project in *Github* (*Mandatory*)
- ❖ Host your website in *Netlify* or any of your choice. It should be hosted.
- ❖ Provide the *Github* link and hosted link in the last page of the report. (*Mandatory*)
- ❖ Anything which doesn't fit to the rules stated above will lead in redo, or reappear.

PROJECT REPORT (Applicable to CSE/IT students only)

CONTENTS OF THE REPORT

- Cover page – on hard paper
- Inner page – same as cover page but on the soft paper

Declaration

Certificate

Table of Contents

1. Introduction

2. Profile of the Problem. Rationale/Scope of the study (Problem Statement)

3. Existing System

- Introduction
- Existing Software
- DFD for present system
- What's new in the system to be developed

4. Problem Analysis

- Product definition
- Feasibility Analysis
- Project Plan

5. Software Requirement Analysis

- Introduction
- General Description
- Specific Requirements

6. Design

- System Design
- Design Notations
- Detailed Design
- Flowcharts

- Pseudo code

7. Testing

- Functional testing
- Structural testing
- Levels of testing
- Testing the project

8. Implementation

- Implementation of the project
- Conversion Plan
- Post-Implementation and Software Maintenance

9. Project Legacy

- Current Status of the project
- Remaining Areas of concern
- Technical and Managerial lessons learnt

10. User Manual: A complete document (Help Guide) of the software developed.

11. Source Code (where ever applicable) or System Snapshots

12. Bibliography

Other Conventions

- **Please retain the format and case of letters on the cover page:** The page is centred.
- Use A4 size paper only.
- All the matter contained in the report should be typed in MS word (1.5 spacing) Times New Roman, 12 pt or equivalent with other software.
- For capstone project the color of Covering Page should only be light green.
- Margins
 - Top edge : 1 inch (25 mm)
 - Left side: 1 ½ inch (38 mm)
 - Bottom edge: 1 inch (25 mm)
 - Right side: 1 inch (25 mm)
- Page numbering
 - Page numbering in the text of the report shall be Arabic numerals at the center of the footer. Page number “1” for the first page of the Introduction

chapter shall not appear in print, the second page will bear the number “2” and so on.

- The subsequent chapters shall begin on a fresh page (fresh odd number page in case of double sided printing).
 - Page numbers shall be printed at the center of the footer.
 - Preliminary pages (table of contents, etc.) are numbered with lower case Roman numerals centered at the bottom of the page starting from the inner first page.
- Figures and tables may be inserted in the text as they appear or may be appended in order. Captions of tables should be at the top of the table along with table number. The font for table captions will be 10 in Times New Roman. Table 1 below illustrates the proper captioning and positioning of a table.

Table 1: Predicted Student Grade Distribution

Term	Number of students	Number of A's	Number of F's
Spring 2015	47	45	2
Autumn 2016	47	47	0

Figures, like tables, should be centrally aligned in a page. Figure captions should be below the figure with figure number. Font size for the same will be 10 in Times New Roman.



Figure 1: Result of experiment

- Table of Contents include the Chapter headings and subheadings (capitalized and bold Times New Roman 12 pt).
- CHAPTER HEADINGS should be capitalized with Times New Roman 16 pt bold. Sections and sub sections should be capitalized with Times New Roman 12 pt.
- List of references shall be appended at the end.
- A total of THREE Hard Bound copies of reports shall be prepared. Submission of report shall be as per the ‘Guidelines of Capstone Project and Similar courses’ circulated by DAA. In addition to Hardbound reports e-copy shall also be submitted.

- No individual submission will be accepted. Capstone report should be compiled group wise only.

- **COVER PAGE**

PROJECT REPORT

(Project Term January- May 2023)

(TITLE OF THE PROJECT)

Submitted by

(Name of Student1)

Registration Number :.....

Course Code

Course Title

Submitted To

(Name of faculty mentor with designation)

School of Computer Science and Engineering



L	LOVELY
P	ROFESSIONAL
U	NIVERSITY

DECLARATION

We hereby declare that the project work entitled (“Title of the project”) is an authentic record of our own work carried out as requirements of Capstone Project for the award of B.Tech degree in _____(Programme Name) from Lovely Professional University, Phagwara, under the guidance of (Name of Faculty Mentor), during January to May 2023. All the information furnished in this project report is based on my own intensive work and is genuine.

Project Group Number:

Name of Student 1:

Registration Number:

(Signature of Student 1)

Date:

CERTIFICATE

This is to certify that the declaration statement made by the student is correct to the best of my knowledge and belief. He /She have completed this Project under my guidance and supervision. The present work is the result of his/her original investigation, effort and study. No part of the work has ever been submitted for any other degree at any University. The Project is fit for the submission and partial fulfillment of the conditions for the award of B.Tech degree in _____ from Lovely Professional University, Phagwara.

Signature and Name of the Staff

Designation

School of Computer Science and Engineering,
Lovely Professional University,
Phagwara, Punjab.

Date :

TABLE OF CONTENTS

Inner first page.....	(i)
PAC form.....	(ii)
Declaration.....	(iii)
Certificate.....	(iv)
Acknowledgement.....	(v)
Table of Contents.....	(vi)

1. INTRODUCTION	1
1.1. SECOND-LEVEL SUBHEADING	1
1.2. ANOTHER SECOND-LEVEL SUBHEADING	1
1.2.1. THIRD-LEVEL SUBHEADING	1

1. INTRODUCTION

The first-level subheading uses the formatting style Heading 1. It is centered, boldface, single line spaced, and it advances the text after it by two lines (24pt). No extra carriage returns are needed to correctly space the text that follows. First-level subheadings should be in all capital letters. You must capitalize the first-level subheadings yourself. MS Word can simulate Title Case capitalization but it will capitalize the first letter of EVERY word including articles and prepositions. First-level subheadings must not have more than a single blank line space before or after the heading.

1.1. SECOND-LEVEL SUBHEADING

This is the second-level subheading of the first section. The second-level subheading uses the formatting style Heading 2. It is left aligned, boldface and single spaced, and it advances the text after it by one line. Second level subheadings are in Title Case (The first letters of principal words must be capitalized).

1.2. ANOTHER SECOND-LEVEL SUBHEADING

The format of this subheading is the same with the first one. The purpose of this subheading is to show you that if you have a subheading of a certain level, you must have more than one. The rationale is that you cannot have a list of only one item.

1.2.1. THIRD-LEVEL SUBHEADING

The third-level subheading uses the formatting style Heading 3. It uses the same formatting with the second-level subheading except that for the third-level subheading, only the first letter of the first word and proper nouns are capitalized (Sentence case).

1.2.2. ANOTHER THIRD-LEVEL SUBHEADING

The heading above shows that if you have a subheading of a certain level, you must have more than one. The rationale is that you cannot have a list of only one item.