

**The Main Plan for  
Graduation Project-1 & Graduation Project-2 at NMU-CSE**  
**Fall Term 2025**

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**Marks Distribution**

**Project 1:**

Supervisor [60 Marks]				Discussion Committee [40 Marks]	
Attendance [10]	Tasks [20]	Solves Real-World-Problem [10]	Document [20]	Presentation [20]	Design Diagrams [20]

**Project 2:**

Supervisor [40 Marks]			Discussion Committee [60 Marks]			
Attendance [10]	Tasks [20]	Document [10]	Document [15]	Solves Real-World-Problem [10]	Presentation [20]	Design Diagrams [15]

**Note:** Supervisor Marks must be delivered at least **2 days** before the day of final discussion

- **Project Requirements**

- ⇒ **Project Title**

A Final academic title of the project with an optional commercial title should be submitted by [31-12-2025]

- ⇒ **Project Contents**

Students should work on preparing power point slides include the following:

- Problem Overview
- Introduction and Motivations
- Project Goals
- Previous/Related Projects
- Requirements Analysis
- System Design Models:
  - For Software Projects: May include some or all of the following:
    - Class Responsibility Collaborator (CRC) Cards
    - Flowchart Diagrams
    - UML diagrams (Uses Cases/Class Diagram/ Component Diagram ...etc.)
    - System Components and Architectural Diagrams
    - DFD Diagrams
    - Database Diagrams (Schema, ER-Diagram)
    - Deployment Diagram
    - Package Diagram
    - UI sketches
  - For Hardware Projects: May include some or all of the following:
    - Block Diagram
    - Circuit Diagrams/Schematic diagrams
    - Pin diagram
    - Timing diagram
    - Flowchart
    - State Diagram
    - PCB Layout Diagram
    - System Architecture Diagram
    - Data Flow Diagram
    - Power Distribution Diagram
- Used Technologies and tools
- Time Plan (Project -1 only)
- Business Plan
- Roles of Team Members
- Prototype Implementation (Mandatory for Project -2, Optional for Project-1)
- Results/Testing and Outcomes
- Conclusions and future Works
- References

- **Presentation**

⇒ Innovative slides that summarize the project contents in 20 minutes and it is built with the following features:

- **Contents Features:**

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  - **Focused:** focus on *what* you did and *why* it matters
  - **Clear Contribution:** what you built or proved
  - **Emphasize results:** what you achieved and how it was validated

- **Appearance Features**

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  - **Consistent Theme:** Use a clean, professional template
  - **Readable Fonts:** Use large font (min 24pt), clear contrast
  - **Minimal Text:** Avoid paragraphs—use bullets
  - **Visuals:** Add diagrams, charts, images where possible
  - **Code/Math:** Use readable formatting or screenshots

⇒ Delivery of the presentation should be managed well by the team members and follow the following tips:

- Divide the presentation into **logical sections** (e.g., Intro, Design, Implementation, Results).
- Ensure **equal participation** so everyone speaks.
- Assign each section based on team members' **strengths and contributions**.
- Practice how you'll **hand over** to each other. For example:
  - “Now my teammate [Name] will explain the system architecture.”
- Avoid awkward pauses or interruptions.
- Know each other's parts well enough to back each other up if needed.
- Use the **same terminology**, tone, and pace.
- Make sure everyone follows the same slide format and presentation style (don't mix formal and casual tones).
- Respect time limits (15–20 minutes is common)
- Have someone track time and make adjustments if needed.
- Practice together timing
- Speak clearly and confidently
- Don't read slides—explain them
- Prepare for possible questions
- Agree in advance who will answer which types of questions.
- If a question is more relevant to another member, pass it politely:
- Pay attention to teammates when they're speaking—**don't look disengaged**
- Don't talk among yourselves or check your phone.

- **Documentation**

- Use the approved NMU-CSE Graduation Project Template
- Final documentation must be submitted **2days before the date of the final Discussion (To be announced later)**
- **Document Format:** It must be submitted as both:
  - **A soft copy:** Must be submitted on a CD/ROM or a flash memory stick to the Dean Office and it must contain:
    - MS Word or PDF of the project documentation contents
    - Source code files (in a ZIP folder) [**Project 2 only**]
    - Project presentation slides (PPT or PDF)
    - Any supplementary materials (e.g., datasets, user manuals)
  - **A Printed Hard Copy:** Must be submitted to the Dean office as Hard Leather-bound documentation (5 – Copies).
- The cover should have:
  - A logo for both NMU and CSE in addition to an optional logo for the project
  - An academic title of the project with an optional commercial title.
  - The name of the main supervisor and the assistants
  - The names of the team members
  - The Academic Graduation Year

## Poster (Pose) Preparation Instructions (Optional-Project 2 only)

### a. Size and Orientation

- **Standard Size:** A1 (594 mm × 841 mm) or A0 (841 mm × 1189 mm)
- **Orientation:** Preferably **portrait** unless otherwise specified

### b. Recommended Poster Structure

Section	Description
<b>Title</b>	Large, bold project title at the top
<b>Student Info</b>	Names, ID numbers, department, supervisor
<b>Introduction</b>	Problem background, motivation
<b>Objectives</b>	Clear goals of the project
<b>Methodology</b>	Brief system design, tools, architecture diagram
<b>Implementation</b>	Screenshots, circuit images, block diagram
<b>Results</b>	Graphs, sample outputs, testing outcomes
<b>Conclusion &amp; Future Work</b>	Summary and possible improvements
<b>QR Code (Optional)</b>	Link to full documentation or demo video

### c. Design Tips

- Use **simple, professional colors** (white background is best)
- Use **bullet points**, not paragraphs
- Use **large fonts** (24 pt for text, 36–48 pt for titles)
- Include **visuals**: diagrams, flowcharts, screenshots, photos
- Avoid clutter—leave **white space** for easy reading

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## 2. Banner Preparation Instructions (Optional – Project 2 only)

### a. Size

- Typical banner size:  
**Width:** 1.5 to 2 meters  
**Height:** 0.5 to 0.75 meters  
(Check showroom display stand size before printing)

## b. Content to Include

- Project title (centered, large font)
- Student(s) name(s) and ID(s)
- Supervisor's name
- University, department logo (left)
- Year or session (right)
- Optional slogan or one-line project summary

## c. Banner Design Tips

- Use **contrasting colors** for visibility
  - Ensure all text is **readable from a distance**
  - Keep it **minimal and bold**
  - Use **vector graphics or high-resolution images** only
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## 3. Printing and Setup

- Use **high-resolution PDF format** for printing
  - Test print a small version to check layout and clarity
  - Mount the poster on a **foam board or easel** if required
  - Hang or place the banner above or near your display table
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## 4. Bonus Tips for Display Day

- Wear professional or project-branded attire
- Place a laptop/device for demo next to your poster
- Bring extra handouts or business cards (optional)
- Be ready with a **1-minute verbal pitch** for visitors