

4M - Intake 3
Embedded Systems
Graduation Project Guide

1. Create a Drive folder
2. Grant Joe and Nour an “Editor” permission for that folder
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joe.nofal@es-iti.org

Drive naming convention

GP_4M_Branch_Intake3_ProjectName_Project num

Drive structure

Divide the folder into 8 folders to include the following:

1. Team Members “File”

A google sheet includes all team members' names, emails and who is the Team Leader of the project

2. Project Business Case Folder

- Project main goal and outcome
- Project Application [You must include a clear statement of what is your Project application]
- Product Features [must be prioritized on a scale from 1 to 3 where 1 is the highest]
- Project hardware components

3. Project Tracker (Timeline) Folder

Project Timeline using “Gantt Chart”

Split your project into milestones and map those milestones to a timeline where the final deadline of the project must be stated

Your chart must deliver the following data:

- State in detail your deliverables in every milestone
- Which features are you working on this week
- Who is working on which feature

Below is a link to a readymade Gantt Chart using Google Sheets, which you can adjust and use for your project.

The sheet has a help tab so you can quickly understand how this Gantt chart works, please check it.

<https://www.vertex42.com/Files/download2/gdrive.php?file=simple-gantt-chart>

4. Project Presentation Folder

Presentation must include:

- Workflow diagram
- Finite state machine diagram
- Test cases(What are the test cases? Which have failed? Which have passed?)

5. GitHub Repository

Link for the source code on GitHub

6. Source Code Documentation Folder

Each team must hand in a document including source code documentation
Using Doxygen or any other Tool.

7. Project Documentation Folder

- Project documentation is meant to be a handout for other and upcoming students to continue working on your project.
- Keep it simple and to the point.

8. Demo video of the project working successfully Folder

- Make sure to create a professional video considering the etiquette as we discussed before(clean floor, no feet footage.. etc.)
- Make sure to document each working milestone with a video for better insurance

Presentaion Day

Date: 12/11/2023

Duration: 15 mins(including Demo)

Dress code: Formal attire is required