

**UNIVERSITY OF JAFFNA**  
**FACULTY OF ENGINEERING**  
**EC 9540: Human Computer Interaction**  
**MINI GROUP PROJECT - 2025**  
**GUIDELINES**

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The purpose of this project is to understand the principles of Human Computer Interaction (HCI), how to know the user and study their requirements, define the problem, and design an effective and efficient interface.

Group details and project heading should be submitted **before 01.07.2025**.

This is a tentative plan of your work. You are free to choose your own timeline. However, lab reports should be submitted according to the given instructions.

**Lab 1: Study your user, known as "Know the user".**

You are expected to:

- Identify your users and study different groups of target users.
- Decide on how you are going to get the requirements from your users.
- Depending on your decision, prepare either a questionnaire or a set of interview questions to get the requirements from your user.
- At the end of the lab (04.07.2025), you have to submit a comprehensive report about your target users and a copy of the prepared questionnaire.

**Lab 2: Identify the need of your target user (using your questionnaire or interview) and analyze them.**

- Study the questionnaire/ summary of the interview.
- Identify the core task from the above study.
- Identify the main goal and find the related sub tasks and actions.
- Formulate a hierarchical plan.
- At the end of the lab (23.07.2025), you are expected to submit a report containing the requirements/expectations of your user, identified main goal, sub tasks and the hierarchical plan.

**Lab 3: Planning your model**

- Plan your interfaces and back-end works.

- All the menus, GUI elements, navigation and back-end works should be determined and discussed in this step.
- At the end (22.08.2025), you are requested to submit your plan as a report.

#### **Lab 4 : Implementation**

- These labs will be used for the implementation of your front-end works.
- End of the lab, submit a report explaining the work you finished with the screenshots.

#### **Lab 5**

- These labs will be used for the implementation of your back-end works.
- End of the lab, submit a report explaining the work you finished with the screenshots.

**First evaluation:** Your work till **Lab 3** will be evaluated. You should do a presentation after you finish Lab 3 on 25.09.2025(3.10-4.05).

**Second evaluation:** Complete evaluation of your final system before dead week and do the presentation on 02.10.2025(11.05-12.00).