

ANNOUNCEMENT - HMI PROJECT SUBMISSION

Course: Human-Machine Interface (HMI)

Level: L3 Computer Science

Academic Year 2025/2026

General Information

Dear Students,

You are invited to submit your **HMI project report** on the Moodle platform according to the following guidelines:

Important Dates

Event	Date
Scheduled submission date	Friday, December 05, 2025
⚠ Extension - Final Deadline	<u>Friday, December 12, 2025</u>
Project consultation	Monday, December 15, 2025 (during class)

Report Requirements

- Format: PDF document only
- Page limit: Maximum 10 pages (excluding cover page and appendices)
- Submission platform: Moodle only
- Language: French or English (your choice)

Mandatory Report Content

Your report must include:

- One architectural model from:
 - Seeheim Model
 - PAC Model (Presentation-Abstraction-Control)
 - MVC Model (Model-View-Controller)
 - Agent-Based Model
- Primary focus: The user interface (UI/UX) and its architecture, *NOT backend code or business logic*
- Application of course concepts:
 - HMI design methodologies
 - Ergonomic principles
 - Models and architectures
 - Multi-user design rules (if applicable)

Recommended Report Structure

Section	Content
1. Introduction	Project presentation, context, objectives
2. Analysis	User identification, tasks, usage context
3. Architecture	Choice and justification of architectural model (Seeheim/PAC/MVC/Agent-Based)
4. Design	Mockups, wireframes, prototypes, applied ergonomics
5. Implementation	Screenshots, interface descriptions, user testing
6. Conclusion	Summary, perspectives, possible improvements

Important Points

✗ The project is about the INTERFACE, not the backend!

The report must demonstrate your understanding of HMI concepts (architecture, ergonomics, methodology) applied to your interface, not detail the technical implementation of server code or database.

- **No submissions will be accepted after Friday, December 12, 2025**
- Consultation and oral presentation will take place on **Monday, December 15, 2025 during class hours**
- **All groups** are required to attend this consultation
- Make sure your report respects the **maximum limit of 10 pages**

Good luck to everyone!

M. ZEBOUDJ

*Department of Mathematics and Computer Science
Abdelhamid Ibn Badis University - Mostaganem*