# Project Management

**Spring semester, 2024/2025**

**Instructor: Dr. Rana Yousef**

**Project: Student Stress & Productivity Dashboard for KASIT students**

**Objective:** An application that tracks students' stress levels and suggests productivity techniques to improve time management and reduce stress.

- **Frontend Features:**
    - **Daily stress check-in (emoji-based scale)**
    - **Study session timer (Pomodoro technique)**
    - **Stress relief tips (short breaks, relaxation techniques)**
    - **Visual analytics of productivity trends**

**Working mode**: team work, 5-6 students in each team

**Total**: 100 points (consisting 15% of the semester work)

**<u>Phases of the project:</u>**

**phase 1: Project Initiation**

- Task: Draft a Project Charter
    - Rubric:
        - Clear definition of the purpose and objectives: 5 points
        - Identification of key stakeholders: 5 points
        - Initial project scope and boundaries: 5 points
        - Constraints and assumptions: 5 points

- Total: 20 points

**Phase 2: Project Planning**

- Task: Create a Work Breakdown Structure (WBS)
  - Rubric:
    - Completeness of WBS: 5 points
    - Clarity of WBS: 5 points
    - Total: 10 points

**Phase 3: Scheduling**

- Task: Create a Gantt chart
  - Rubric:
    - Clarity and accuracy of Gantt chart: 5 points
    - Completeness of Gantt chart: 5 points
    - Total: 10 points

**Phase 4: Risk planning**

- Task : create a risk map
  - Rubric:
    - accuracy of risks 10 points
    - Correctness of risk actions: 10 point
    - Total: 20 points

**Phase 5: develop and submit application**

- Task: develop the application (Frontend only) and submit a user manual.
  - Rubric:
    - Completeness: 10 points
    - Quality of prototype: 5 points
    - Documentation: 10 points
    - Total: 25 points

**Throughout project: Use of Project management tool (such as Jira)**

- Creating teams and assign tasks: 5 points
- Create user stories and tasks: 5 points
- Manage tasks: 5 points

- Total: 15 points

**Documentation:**

Chapter 1: Introduction about the importance of the application
Chapter 2: functional and non functional requirements
Chapter 3: system models
Chapter 4: user manual

**Progress Review meetings**

There will be progress review presentations during the semester