Semester Project Phase 3: Program Development SDU SEST 2022 Semester 1

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# Purpose and Goals:

The purpose of iterations #1 and #2 of program development is to initiate the actual development work. You should make substantial progress in both the development work and the creation of the portfolio to gain an understanding of the final outcome. By the end of iterations #1 and #2, the project group should have completed and obtained approval for the following:

* A first version of the product (code)
* A preliminary version of the project report
* Revised collaboration agreement (if needed)
* Revised supervisor agreement (if needed)
* A logbook that continues to document the group's work

# Tasks in this Phase:

**Problem Analysis:**

In program development, there is an iterative development of your product based on your project foundation, which includes your problem statement, sub-questions, scope, methods, and the timeframe you have described.

The aim of the first iteration is to create a core version of your product with a text-based user interface (Command Line Interface) and to produce an initial limited draft of the project report. The text-based user interface should be designed so that it can be replaced with more functions, objects etc. in iteration #2.

# Planning:

The project group creates a detailed plan for iteration #1 based on the group's project foundation. The planning must adhere to the overall schedule, deadlines, and fixed meetings, including the online course. Project work continues week by week with a dedicated project workday on Wednesdays.

# Project Report:

You can find the requirements for report writing under the plans → 04 Submission Phase (weeks 41-48) →

Requirements for Project Submission

# Project Seminar and Submission:

At the end of the iteration #1, the project will be presented at a project seminar, and drafts of the portfolio and code will be submitted. For specific submission requirements, refer to the "Requirements for Project Submission" document.

# Activities in this Phase:

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| Execution Phase - Program Development (Weeks 41-48) | | | | |
| 41 | Project | **Individual Project Group Supervisor Meeting** Deadline for registering of group representative on its  learning platform | 11-10-23 | Respective Supervisors |
| 43 | Project | **Individual Project Group**  **Supervisor Meeting** | 25-10-23 | Respective  Supervisors |
| 43 | Courses Midterm Evaluation | **Teachers of respective courses will do the midterm evaluation in their course classes during**  **week 43** |  | Respective teachers |
| 43 | Semester | **Midterm Semester Project Evaluation of all groups:** Midterm Evaluation of Semester Project by Semester Coordinator (Group Representative Meeting). | 26-10-23 |  |
| 44 | Project | **Individual Project Group**  **Supervisor Meeting** | 01-11-23 | Respective  Supervisors |
| 45 | Project | **Midterm Seminar in the Classes:**   * Presentation of the Project * Submission of Report and Code after Iteration #1   on itslearning | 08-11-23 | Respective Supervisors |
| 46 | Project | **Individual Project Group**  **Supervisor Meeting** | 15-11-23 | Respective  Supervisors |
| 47 | Project | **Individual Project Group**  **Supervisor Meeting** | 22-11-23 | Respective  Supervisors |
| 48 | Project | **Individual Project Group**  **Supervisor Meeting** | 29-11-23 | Respective  Supervisors |
| 48 | Semester | **Semester General Meeting:** Information about Project Submission and Examination by  Semester Coordinator | 30-11-23 | Semester Coordinator |

**Materials:**

Materials particularly important in the problem analysis phase include:

* Project group's project foundation/poster
* Collaboration agreement, supervisor agreement, group log
* Project description
* Semester plan
* Description of the last phase

Please refer to the respective sections on itslearning for these materials.