Group Project Practice

Syllabus Number 3G101
Basic Major Subjects
Requisites 2 credit
FUKUSHIMA YUTA

1. Course Description

The learners will have the following classes; introduction, selecting a theme, analyzing problems, discussing and evaluating problem solutions, and result presentation. Collaborative learning is strongly required for solving problems. The learners will struggle with two themes for each first-half and second-half term, and submit two reports. This course is related to DP2.

2. Course Objectives

The aim of this course is to develop faculties for analyzing and resolving problems through team activities. First, each team chooses a theme. Next they analyze problems with regard to the theme, then they evaluates solutions to the problems, and finally they present their resolution. The learners acquire the faculty to execute a project and communication skills through team cooperation and the presentation.

3. Grading Policy

For getting credits for this class, learners have to pass both of Task A and Task B. The learners are assessed by the following: deliverables 70%(reports, works, etc.), presentation 30%. The learners who get over 60% can get credits. In this regard, learners have to submit all required deliverables to get credits. We evaluate the Task A and B separately.

4. Textbook and Reference

Textbook
No specific text books and reference books. The learners can get learning materials from LMS.

5. Requirements(Assignments)

Learners are required to proceed the assignment by your planned schedule. Before the lecture, learners should consider any improvements or ingenuity to reach the goal, and make use of it for the lecture. After the lecture, learners consider whether the proceeding is according to the plan, and review the plan for the next lecture. It takes about 1.5 hours to prepare before the lecture and about 1.5 hours to follow up after the lecture.

6. Note

Every learner creates the portfolio with the aims of reviews, self-evaluation, and self-improvement.
The learners get feedback of their reports during the testing period.
Learning materials are uploaded in LMS.

7. Schedule

[1] Guidance and explanation of the team activity using the LMS.
Explanation of the purpose and outline about group project practice.
Explanation of Task A and B.
Experience of information sharing and daily report using the LMS by making tentative team.

[2] [Task A] Deciding team members, setting a subject and submitting activity plan.
[Task B] Deciding team members, task explanation etc.

[3] [Task A] Studying the subject and propose resolution methods.
[Task B] Explanation of program and robot parts.

[4] [Task A] Studying the subject and propose resolution methods.
[Task B] proposition, designing and fabrication.

[5] [Task A] Studying the subject and proposing resolution method and writing check list or manuals.
[Task B] Fabrication.

[6] [Task A] Preparing presentation.
[Task B] Fabrication.

[7] [Task A] Presentation and writing proposal.
[Task B] Fabrication.

[8] [Task A] Peer review of proposals, improving proposal and writing repots.
[Task B] Final presentation.

[9] [Task A] Deciding team members, setting a subject and submitting activity plan.
[Task B] Deciding team members, task explanation etc.

[10] [Task A] Studying the subject and propose resolution methods.
[Task B] Explanation of program and robot parts.

[11] [Task A] Studying the subject and propose resolution methods.
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[12] [Task A] Studying the subject and proposing resolution method and writing check list or manuals.
[Task B] Fabrication.

[13] [Task A] Preparing presentation.
[Task B] Fabrication.

[14] [Task A] Presentation and writing proposal.
[Task B] Fabrication.

[15] [Task A] Peer review of proposals, improving proposal and writing repots.
[Task B] Final presentation.