

Guidelines for the Robot Lab Presentation

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1 Submission Due Date:

One week after the laboratory, 23:59:59 Eastern Time (ET).

2 **Submission Format:**

At least a PDF. Naming convention, SecXX_ROBY_LastName_NaMe.pdf

- **XX**: section number.
- Y: team/robot number
- LastName: last names, capitalizing each one.
- NaMe: names, capitalizing each one.

For example: Stephen Ray Vaughan is in section 07. He worked with robot 2. He will name his robot lab presentation: Sec07_ROB2_Vaughan_StephenRay.pdf

3 Presentation Place and Date:

The group presentation will be held in the EN-D-150 conference room. Each group will present according to the schedule. The presentation will be displayed on wide screen, connection is possible through an HDMI.

4 Time Organization:

 \sim 10 minutes presentation. \sim 5 minutes for questions.

5 Evaluation:

- Understanding of the technical content.
- Fluency of oral expression. Coherence and structure of the narrative.
- Readability, organization of the information, form and general quality of presentation slides.
- Time management.
- Teamwork.



6 Compulsory Sections and Suggested Time Administration:

- 1. Title
- 2. Introduction \sim 1 min
- 3. Methods and Problem formulation \sim 2 min
- 4. Results and Discussion \sim 3 min
- 5. Conclusions \sim 2 min
- 6. Original Slide \sim 2 min
- 7. Comments and suggestions for robot lab improvement (0 min: not presented nor evaluated).

6.1 Introduction, Methods, Results and Conclusions Slides Content:

The content may come from, but not necessarily be limited to:

- Theoretical background.
- Simulation exercises.
- Implementation and experimentation.
- **6.1.1 Title:** Make your presentation title specific, short, and clear.

6.1.2 Introduction:

- Help the audience understand why your project is important.
- Give a quick overview of the subject and then dive into specifics.
- State what motivated you to work on this project.

6.1.3 Methods and Problem Formulation:

- Clearly describe your project problem.
- Include: Detailed problem description. Methods used to solve it. Definitions of important terms. Any equations you used.
- Explain the methods well so that someone else could follow your steps.
- **6.1.4 Results and Discussion:** Show your project results and explain what they mean. Be honest about any limitations your project might have.
- **6.1.5 Conclusion:** Summarize your key results. State important conclusions. Discuss how your work can be useful and suggest areas for future work.

6.2 Some Examples of Ideas for the Original Slide Content:

• Discuss how the knowledge gained from this project could be applied in other fields.



- Consider how the project could be adapted for different scenarios or industries.
- It is usual in technical presentations to talk about future work. In the context of this laboratory, if you were to continue working on this subject:
 - What would you like to do further? How would you do it?
 - What aspects of the lab would you like to learn more about?
- Merge this laboratory project with your passion.

6.3 Comments and Suggestions Slide Content:

Triggers to think about comments and suggestions for the improvement of the robot laboratory:

- Did you have any previous experience with: Control Theory? Dynamics? MATLAB? Python? Robotic systems?
- Did this lab help you build or boost your skills or interests?
- What is useless and should be removed from the lab? Why?
- What is useful but should be modified or improved. How?
- What is essential and missing, and should be included in the lab?