Evaluation Sheet for Assignments

Team Name: Team 8

Assignment: Lego EV3 Robot

Due Date: 4th july 2024 Submmission Date: 4th july 2024

Team Member	Name	First Name	Matriculation No.
1	Shah	Krish	41564
2	Kalariya	Kishan	41641
3	Talpur	Ariba	41569
4	Lari	Muhammad Ali	41522

1 Regulations for the Submission of Coursework as Examination Performance

If the submitted work exhibits significant formal deficiencies, it will be returned for a **single** revision and correction of these deficiencies **without further substantive editing and advice on content**. This applies especially if **items in the checklist have been marked as no** or if items in the checklist **have not been truthfully marked as yes** (i.e., they are not present in the work).

If the work does not meet the content requirements, it will be considered as not passed. The same applies to works that still have significant deficiencies after revision. Further revision is not possible in these cases. The examination performance can then be repeated **no earlier than the next class period in the summer semester of 2025**.

The work must be submitted by the prescribed deadline (see assignment schedule). **Late submissions will be considered as not passed**. Exceptions are only possible for significant reasons and must be justified with evidence.

Whether the requirements are met can be found in the checklist on the evaluation form. **Submissions via email will not be accepted and will be considered as not submitted**. Please **do not submit**

any further documents in paper form! Furthermore, the regulations on the course website's guide apply.

2 Submission Date

Assignments must be submitted within the given deadline. The deadline of each assignment can be found in the assignment schedule on the course website.

Remark: Please also familiarize yourself with the technical means for creating and uploading in advance of the submission deadline in order to meet it.
Adhering to the schedule is an integral part of the course work.

3 Declaration of Oath

By submission of assignments you assure

1. that you have independently authored the submission deliverables and have not used sources or aids other than those specified. All passages taken verbatim or paraphrased from other writings have been properly cited, and the work in its current or a similar form has not been previously submitted as part of any academic study or examination.
2. **I have taken note of the contents of the guideline for the assignment. I have truthfully answered all questions on the checklist with "yes."**

Violations of this agreement might lead to a fail of the assignment.

4 Checklist

This checklist is made to help you to organize your submission and to decide if your submission contains the most relevant and neccessary items. This checklist is not complete. Please read the assignment description always carefully. All tasks are decribed there.

Item	**Team Self Evaluation**	**Instructor's Evaluation**		
		yes	**no**	**partly**
All features (F1-F3) and all maneuvers (M1-M4) are clearly specified.	yes ☐ no ☐			
All features (F1-F3) are specified such that they must work with every other maneuver M1-M4.	yes ☐ no ☐			
It is specified that the maneuvers must work for low, medium and high speed.	yes ☐ no ☐			
The mechanical design of the vehicle is specified. This also contains that the vehicle is a two wheel rover.	yes ☐ no ☐			
It is specified that additional sensors (as color sensor or ultrasonic sensor or similar) are not allowed).	yes ☐ no ☐			
The specification states that the system must be safe against user interaction.	yes ☐ no ☐			
The specification contains a system diagram with system architecture and it's topology including top level architecture and module refinement.	yes ☐ no ☐			
The specification contains a hardware architecture block diagram.	yes ☐ no ☐			
The specification contains a software architecture block diagram including a control hierarchy diagram.	yes ☐ no ☐			

Testing	**Team Self Evaluation**	**Instructor's Evaluation**		
		yes	**no**	**partly**
For each feature (F1-F3) and each maneuver (M1-M4) there are defined test use cases of system application against which the system is tested.	yes ☐ no ☐			
Each test case has an acceptance criteria.	yes ☐ no ☐			
Test acceptance criteria are formulated with confidence intervals (if neccessary).	yes ☐ no ☐			
Each test case has a test procedure for a test engineer to conduct the test.	yes ☐ no ☐			
Each test is described such that it can be repeated and reproduces the same test result.	yes ☐ no ☐			
The specification of a test makes the test type clear (SW-Test, HW-Test, HIL Test, etc.)	yes ☐ no ☐			
All functional requirements are linked to a test id.	yes ☐ no ☐			

Item	**Team Self Evaluation**	**Instructor's Evaluation**		
		yes	**no**	**partly**
Each requirement gets it's own id.	yes ☐ no ☐			
Similar requirements are grouped.	yes ☐ no ☐			

System Inputs/Outputs (min, max, resolution, unit) are specified.	yes ☐ no ☐			
Event triggers to which the system reacts are specified.	yes ☐ no ☐			
Tasks and their sample time are specified.	yes ☐ no ☐			
System operating modes are specified. Default mode is specified.	yes ☐ no ☐			
Startup behaviour is specified.	yes ☐ no ☐			
The specification is written clearly different from a requirement document (customer or stakeholder's view). It specifies what the system does and how it reacts on external events.	yes ☐ no ☐			
The specification document contains a cover sheet with contact dates of the team members and the revision history of the document.	yes ☐ no ☐			
The specification describes how the system is realized and how requirements (in particular F1-F3 and M1-M4) are met.	yes ☐ no ☐			
The specification does not contain the words *should* or *could*, unless it makes sense.	yes ☐ no ☐			