CTI One Corporation
3679 Enochs Street, Santa Clara, CA 95051

2019-8-5	Establish this document	ZXZ, PR
2021-8-6	Re-approved	HL

Engineering Design Rubrics

Objectives and Tasks:
1. Create design document to cover the entire design process from conceptualization to testing, verification;
2. Provide testability and traceability throughout the life cycle of the design.;
3. Conduct the design cycle with good engineering professional practice and with a sense of ownership, finish the engineering work on time, on budget.

Requirements:
1. Write a readme document to allow the work to be reproduced, verified, tested;
2. Include the design PPT document to accompany the readme file when needed;
3. Include source code (if needed include binary as well);
4. Include a short video clip (5-30 seconds) to demonstrate the testing result;
5.Call management or group leader to obtain job completion form with both party's signature.

Submission:
1. Readme.
2. PPT.
3. Source code.
4. Test result report.
5. Video clips.

Assessment Rubrics:

The assessment is ranked from from 1 to 3.

Requirements	Score 1	Score 2	Score 3
1. Readme	1. Did not follow the readme template; 2. missing steps; 3. the work can not be reproduce based on the steps.	1. Follow the readme template; 2. accurate steps description; 3. the work can be reproduce with minor issue or modification.	1. Follow the readme template; 2. Accurate steps; 3. the work can be reproduce based on the steps.
2. PPT	1. Missing PPT; 2. Or did not follow the template; 3. Information for reproducing the design	1. Include a PPT; 2. Follow the PPT template; 3. miinor issues such as the Information	1. Good PPT; 2. Follow the template; 3. Information for reproducing the

	is missing or incomplete .	for reproducing the design is missing minor details or incomplete.	design is well documented.
3. Source code.	1. Missing or partially missing; 2. Does not compile or build; 3. Does not execute; 4. Functionality does not meet the spec.	1. All code is submitted; 2. Compile, build and can be executed with minor issues 3. Functionality meets the specs	1. Code provided; 2. compile, build well; 3. Execute well and 4. Meet the specs.
4. Test result report.	1. Missing; or 2. Incomplete, such as cases or testing data coverage;	1. Provided with minor issues.	1. Well done and well documented.
5. Video clips.	1. Missing; 2. Incomplete; 3. information for the video clips is not clear.	1. provided but with minor issues.	1. Well don.

References:

1. Readme sample (template) link:
https://github.com/hualili/robotics-open_abb/blob/master/fd100/105-4-%23107-1-readme-%23Unity-6-DoF-Robot-Arm-ML-Agents-CV-2021-5-7.pdf
2. PPT template link:
(1) 3-8-15-protectingPython-2019-5-6.odp
https://github.com/hualili/robotics-open_abb/blob/master/agv2000/3-8-15-protectingPython-2019-5-6.odp
(2) 2019S-10-AGV2000-Batteries-charging-MO-2019-03-028.odp,
https://github.com/hualili/robotics-open_abb/blob/master/agv2000/2019S-10-AGV2000-Batteries-charging-MO-2019-03-028.odp

(END)