**Project Description**

**Title**

**BUILDING A DIGITAL TWIN FROM AN INTELLIGENT ELECTRONIC DEVICE**

**Student(s)**

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**Date and Time**

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# Executive Summary

< “What was the basic purpose of the work at hand; how was this goal realized prototypically; which experiences have been gained throughout the process; how can the resulting prototype be used?” – about half a page >

# Problem Statement

< “Which problem should be solved with the prototype and hand; what concrete functional and non-functional requirements have been identified; which existing solutions could be used as input for the prototype?” – about half a page >

# Approach

< “Which approach has been chosen to realize these requirements; which steps have been identified for the solution process; which artefacts have been identified as necessary?” – about half a page >

# Realization

< “How has the prototype been realized; which platforms and developments environments have been used; which runtime environments have been used; which functionalities does the prototype consist of; which interfaces have been defined?” – about half a page >

# Tests and Validation

< “Which tests have been made with the prototype; which scenarios have been considered; what were the basic results of the tests; which limits have been encountered; to which extent does the prototype fulfil the requirements?” – about half a page >

# User’s Guide

< “What steps are necessary to install the prototype; which hardware and software preconditions have to be met; how can the prototype be used; which common issues are known?” – about half a page >

# Literature

< “Which references have been used for the work at hand?” – about 5 references (an example see below) >

[Ecl17] Eclipse Foundation Inc.: “Eclipse - The Eclipse Foundation open source community website” [Online]. Available: http://www.eclipse.org [Accessed: 18-Jul-2017].