

# 02132 ASSIGNMENT 3 REPORT

## IMPLEMENTATION OF AN FSM-D-BASED HARDWARE ACCELERATOR FOR THE IMAGE EROSION IN CHISEL

**Group: 22**

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[github.com/rwiuff/02132Assignment3](https://github.com/rwiuff/02132Assignment3) 

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### 1 WORK DISTRIBUTION

Table 1 shows the work distribution for this project.

*Table 1: Work distribution on the project*

Name	Development tasks	Report tasks
Mikkel Arn Andersen		
Niclas Juul Schæffer		
Rasmus Wiuff		

### 2 DESIGN

*Explain here what the design process was. Show the state diagram of the FSM-D and explain and motivate your design decisions.*

### 3 IMPLEMENTATION

*Briefly discuss the implementation in Chisel of your design. You can include some code snippets if these are relevant to explain certain aspects of the implementation. In other words, try to answer the question “What does a reader need to know about your Chisel implementation?”*

### 4 TEST AND EVALUATION

*Report here the results from the test you have carried out. Present how you have tested (paper and pencil testing) the FSM-D you have designed. Present the tests you have developed (if any). Remember to discuss the results and the test you have carried out, do not just present them, but explain and argue their meaning. Address the design evaluation questions in Task 6 in the Assignment 3 document.*