**02132 Assignment 3 report**

**Implementation of an FSMD-based hardware   
accelerator for the image erosion in Chisel**

<date>

**Group <number>**<Member 1 full name> - <Member 1 student number>  
<Member 2 full name> - <Member 1 student number>  
<Member 3 full name> - <Member 1 student number>

**Work distribution**

Explain here who has done what, for both implementation and report.

**Design**

Explain here what the design process was. Show the state diagram of the FSMD and explain and motivate you design decisions.

**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?”

**Test and evaluation**

Report here the results from the test you have carried out. Present how you have tested (paper and pencil testing) the FSMD 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 listed in Task 6 in the Assignment 3 document.

**References**

List here the references that you have used (if any). It can be articles or websites where you have found inspiration, understanding, and ideas.

**NOTE: the report should not be longer than 8 pages (everything included). The report should be "directly-to-the-point", without re-explaining and presenting the basic ideas already presented in the assignment document. <Delete this note in your report.>**