

## Final project report rubric

You will be marked according to the following criteria (the earlier criteria are the same)

- Is the report clearly written and presented?
- Are the diagrams and images appropriate and clear?
- Does the report display knowledge of the area of study, previous work and academic literature?
- Does the report critically evaluate the previous work and/or academic literature?
- Does the report use proper citation?
- Is the design of the project clear and of high quality?
- Is the project concept justified based on the domain and users?
- Is the final implementation of high quality?
- Is the final implementation technically challenging?
- Is the evaluation strategy appropriate to the aims of the project?
- Does the evaluation display good coverage of appropriate issues?
- Are the results of the evaluation presented well?
- Are the evaluation results used to critically analyse the project with respect to the objectives of the project?
- Does the project display evidence of originality?

## Detailed rubric breakdown for written report

### Is the report clearly written and presented?

0 points No

2 points No, but... there is some attempt to describe the project but it is very hard to understand

6 points Yes, but... the project is mostly clear, but some areas are hard to understand, or miss important information

7 points Yes, the project is presented clearly and in appropriate language

10 points Yes, and... a very professional level of language to academic or industry standards

**Are the diagrams and images appropriate and clear?**

0 points No, there are no diagrams

2 points No, but... there are some images, but they don't really relate to the text in any way.

5 points Yes, but... there is use of visual materials but they are of poor quality or poorly linked to the text

7 points Yes, good quality visual that compliment the text and communicate important information

10 points Yes, and... a very professional level of visual materials to academic or industry standards

**Does the report display knowledge of the area of study, previous work and academic literature?**

0 points No

4 points No, but... there are some attempts to refer to other work

6 points Yes, but... the report some discussion of the area and a few bits of previous work, but the discussion might be limited, confused or only partially correct

8 points Yes, the report gives an overview of the area and well written discussion of at least 4-6 pieces of previous work, based primarily on a good reading of the suggested work from the template

10 points Yes, and... the report gives and detailed and insightful analysis of the area of study with a detailed description of very well chosen examples of previous work that goes considerably beyond what was suggested in the template

**Does the report critically evaluate the previous work and/or academic literature?**

0 points No

2 points Yes, but... the report makes some attempts at evaluating previous work

4 points Yes, the report situates the project in a critical analysis of previous work

6 points Yes, and... the report gives and detailed and insightful analysis of the area of study with a detailed description of very well chosen examples of previous work that goes considerably beyond what was suggested in the template

**Does the report contain appropriate citations?**

0 points No

2 points Yes, but... the report presents some previous work without proper citations (e.g. no citations or just links or incorrect style)

4 points Yes, all work mentioned in the report is cited in correct ACM style

**Is the design of the project clear and of high quality?**

0 points No

2 points No, but... the design is hard to follow and very incomplete, but there are some attempts to present a design

4 points A design corresponding to the “acceptable” level of project described in the template but not described in a clear or complete way, or with several flaws

5 points A clearly described design that corresponds the “acceptable” level of project described in the template

6 points A design corresponding to the “good” or “excellent” level of project described in the template but not described in a clear or complete way, or with several flaws

8 points A clearly described design (including suitable visual communication) corresponding to the “good” level of project described in the template

10 points A design corresponding to an “excellent” project but with elements lacking or a few flaws

12 points A very clear and coherent design, described well in both visuals and writing that corresponds to the “excellent” level of project described in the template

**Is the project concept justified based on the domain and users?**

0 points No

2 points No, but... there are some attempts to justify the concept, but without evidence

4 points Yes, but... the project concept includes some reference to the domain and users but without a full analysis of requirements

6 points Yes, the project concept is based on a clear and evidenced argument for the requirements of users and/or the domain

8 points Yes, and... a project concept that is strongly based on a detailed, insightful and innovative analysis of the users and/or domain

### **Is the final implemenation of high quality?**

0 points No, there is no implementation described

6 points No, but, there is no working prototype, but there is some attempt at making one

12 points Yes, but... there is a working prototype that would correspond to part of a project at the “acceptable” level of project described in the template

15 points Yes, but... there is a prototype that would correspond to part of a project at the “good” or “excellent” level of project described in the template, but it has many bugs and flaws

18 points Yes, there is a working prototype that would correspond to part of a project at the “good” level of project described in the template

22 points Yes, and... there is a working prototype that would correspond to part of a project at the “excellent” level of project described in the template

### **Is the implementation that is described technically challenging?**

0 points No, the prototype is OK but fairly standard

3 points Yes, but... This prototype includes some of the more difficult techniques or algorithms taught in this degree

6 points Yes, This prototype includes some very difficult techniques or algorithms that go beyond what is taught in this degree (closer to masters or professional level)

8 points Yes, and... this prototype is extremely advanced, either being close to cutting edge research (advanced masters or PhD), or very advanced/cutting edge professional work

### **Is the evaluation strategy appropriate to the aims of the project?**

0 points No, there is no evaluation strategy

2 points No, but... there is some attempt at an evaluation plan, but it is very confused or not explained in any detail

3 points Yes, but... the strategy is simply a restatement of the suggested approach from the template

4 points Yes, but... The strategy does not engage with the suggestions of the template or is otherwise not appropriate

5 points Yes, it is a well thought out strategy that builds on that proposed in the template

6 points Yes, and... the strategy is very detailed an well thought out, going considerably beyond that described in the template

**Does the evaluation display good coverage of appropriate issues?**

0 points No, there is no real evaluation

2 points No, but... the evaluation does cover some important issues but misses many others

3 points Yes, but... there are some important areas that the evaluation misses

4 points Yes, the evaluation covers the major important areas of the project

5 points Yes, and... the evaluation is very detailed and covers a number of subtle issues

**Are the results of the evaluation presented well?**

0 points No, there is no evaluation presented

2 points No, but... there is some attempt to describe the evaluation but it is very hard to understand

3 points Yes, but... the write up of the evaluation is hard to read, omits important information or contains errors

4 points Yes, the results are clearly presented in a way that is easy to follow for computer scientist

5 points Yes, and... the report is of a very professional standard, either of academic or industry research

**Are the evaluation results used to critically analyse the project with respect to the objectives of the project?**

0 points No

1 points Yes, but... the project presents some analysis but it is simplistic (e.g. just using results to say how good the project it) and/or does not address the objectives of the project

2 points Yes, a balanced, evidenced analysis of the good and bad aspects of the project relative to the original objectives

4 points Yes, and... a critical, evidence driven analysis that goes beyond the pros and cons of the project to make potentially generalisable conclusions

### **Does the project display evidence of originality?**

0 points No, this is a fairly standard undergraduate project

5 points Yes, but... this type of project is novel or original in comparison with the large majority of undergraduate projects

8 points Yes, an original piece of work that goes considerably beyond undergraduate level and is closer to what would be expected at masters level or at the level of a valuable new product development

10 points Yes, and... a level of original research or innovative that is would normally be expected at PhD level, or a highly innovative commercial product

### **Detailed rubric breakdown for video submission**

#### **Is the final product of high quality?**

0 points No, there is no demo

2 points No, but, there is no working prototype, but there is some attempt at making one

3 points Yes, but... there is a working prototype that would correspond to part of a project at the “acceptable” level of project described in the template

5 points Yes, but... there is a prototype that would correspond to part of a project at the “good” or “excellent” level of project described in the template, but it has many bugs and flaws

6 points Yes, there is a working prototype that would correspond to part of a project at the “good” level of project described in the template

7 points Yes, and... there is a working prototype that would correspond to part of a project at the “excellent” level of project described in the template

#### **Is the implementation that is described technically challenging?**

0 points No, the prototype is OK but fairly standard

1 points Yes, but... This prototype includes some of the more difficult techniques or algorithms taught in this degree

2 points Yes, This prototype includes some very difficult techniques or algorithms that go beyond what is taught in this degree (closer to masters or professional level)

3 points Yes, and... this prototype is extremely advanced, either being close to cutting edge research (advanced masters or PhD), or very advanced/cutting edge professional work