Faculty of Science, Engineering and Technology

Enterprise Development

Research Report for High Distinction (HD)

**Prepared by: <Your name, student id>**

**[Optional Feedback, timeline and schedule]**

**Submission for Feedback: 6 June 2016 (Monday of Week 14) 9:00am**

**Tutor’s feedback: 8 June 2016 (Wednesday of Week 14) 5:00pm**

**[Final Submission]**

**Submission for Portfolio: 13June 2016 (Monday of Week 15) 9:00am**

**Instructions** - This document is for students aiming to achieve High Distinction (HD).

For **HD**, a student needs to complete the software for D grade as well as a research report. Possible options are

R1 Implement the same functionality of the software for D grade using two different technologies of the same language (e.g comparing JSF with PrimeFaces) and compare the two in terms of some criteria nominated by the student (e.g. performance or ease of development).

R2 Implement the same functionality twice (one using Java EE technologies and the other using .NET technologies), and compare the two in terms of some criteria nominated by the student (e.g. performance or ease of development)

The work in this option involves integrating Java EE applications with .NET technologies or vice versa.

R3 Other please specify (to be detailed in the research proposal)

In the research report, the student must (1) collect useful and relevant data, (2) perform their own analysis and (3) draw conclusion based on their comparison.

Your research report is a free-form report. You can decide on your own sectioning. The one below is just an example. It may not suit your needs. Please feel free to customize it. However, you must present your research results in a concise and precise manner that the interview panel could understand.

**Research Report: <Title of your research>**

**Research Topic: <Your research topic – what you want to compare>**

<a description of what you want to compare, and hence form the basis of your research >

**Research Option: <R1 / R2 / R3>**

<which option of research you want to pursue>

**Introduction**

<a brief introduction to your research topics; a brief description of why this research topic interests you or why you want to do research on this topic>

**Research Methodology**

<a description of your research methodology; how you carry out your research including planning, actual implementations, your comparison criteria etc.>

**Research Plan**

<a description of how you carry out your research, including data collection, analysis and write up the conclusion>

**Research Work**

<a description of how you carry out your research, including data collection, analysis and write up the conclusion>

**Comparison Criteria: <Performance / Ease of Development / …>**

<a description of how you would compare your research and why; e.g. I choose to compare the performance >

**Results and Observations**

<a description of your results and observations, including but not limited to tables and graphs; Include here also is your analysis>

**Conclusion**

<a conclusion about your research>