

**Project (Technical Computing) Feedback and Marks Sheet 2022-23**

<b>Student:</b>	<b>Marker:</b>	<b>Agreed Mark:</b>	
	<b>Turnitin Similarity Index:</b>		

  

<b>Assessment Criteria</b>	<b>Comments</b>	<b>Mark (out of 100%)</b>	
Carrying out an in-depth investigation of the context and literature and, where appropriate, other similar products. <b>(10%)</b>		0	0
Identifying, selecting and applying appropriate tools, techniques and approaches relevant to the project. <b>(20%)</b>		0	0
Producing a set of deliverables by which the success of the piece of work can be judged. Marking should address the following: <ul style="list-style-type: none"> <li>Does the deliverable meet the aims of the project and the target audience?</li> <li>Were suitable and relevant engineering approaches/processes used?</li> <li>Has the success of the project been measured?</li> <li>What is the quality of the deliverable and its video?</li> <li>What is the difficulty of the deliverable?</li> <li>How complete is the deliverable?</li> <li>Is it well described in the documentation?</li> <li>Was the demonstration of the work convincing?</li> </ul> <b>(50%)</b>		0	0
Research, critically reflect on and clearly communicate issues relevant to project success. <b>(10%)</b>		0	0
Research, critically reflect on and clearly communicate issues relevant to professional and ethical concerns, risk, and aspects of personal development planning (PDP). <b>(5%)</b>		0	0
Quality of report, referencing and video. <b>(5%)</b>		0	0
<b>Mark: Project (Technical Computing)</b> <i>To update the final mark, do Ctrl-A and then F9.</i>		<b>0%</b>	

## Marking Grid - Introduction

Learning Outcome	How will you demonstrate this?	How will this be assessed?	How much is it worth?	How can I produce high quality work?
Carrying out an in-depth investigation of the context and literature and, where appropriate, other similar products.	Research chapters of your report.	As part of the project report.	10%	Look at a range of literature types: web, books, papers, conference proceedings etc. Analyse them and discuss your findings. Investigate similar relevant products, compare them with each other and explore how they relate to your proposal. Provide a complete and thorough analysis of <b>all</b> the relevant dimensions of your project.
Identifying, selecting and applying appropriate tools, techniques and approaches relevant to the project.	Summarise findings in a chapter of your report.	As part of the project report.	20%	Appraise a variety of relevant approaches (software, hardware, techniques, systems, etc) and clearly justify your selection of the processes chosen to complete your project, showing some originality.
Producing a set of deliverables by which the success of the piece of work can be judged.	Create a deliverable supported by techniques and skills you have learnt during your course.	<ul style="list-style-type: none"> <li>Described as part of the project report.</li> <li>Give a demonstration of your work.</li> <li>Include a video of your deliverable.</li> </ul>	50%	Produce and present an outstanding deliverable, relating it back to the approaches and processes chosen in the previous section. <b>In the project report</b> , describe the creation of the deliverable, give reasons as to why choices have made a difference to your final deliverable. Relate the success of your deliverable to both the project specification aims and to the users of your work (where appropriate). Measure the success of your project using accepted metrics and relevant techniques. Demonstrate your deliverable to your tutors in a clear and coherent manner. Submit a short but clear video of your deliverable.
Research, critically reflect on and clearly communicate issues relevant to project success.	Write a critical reflection of both the project as a whole and the final deliverable. Discuss further work for your project.	The final chapter in your report - part 1	10%	Write an excellent critical analysis, using clear and relevant examples of your work to back up your discussion on the success or otherwise of your project deliverable. You should also discuss the techniques, approaches and processes that were used (and their success or otherwise). In addition, discuss exciting and original ideas for future developments and clearly explain how these may be achieved.
Research, critically reflect on and clearly communicate issues relevant to professional and ethical concerns and aspects of personal development planning (PDP).	Write about the how the project has helped you develop both personally and professionally. Include any ethical issues that have arisen and discuss how they have been resolved.	The final chapter in your report - part 2	5%	Provide a convincing discussion of personal and professional learning that has taken place and how this learning will influence your future direction. This should also include personal development that has taken place, with examples to back up your discussion wherever possible. Where appropriate, clearly and convincingly discuss how ethical and professional issues have influenced decisions taken throughout the project.
Quality of report, referencing and video.	Have an error-free report with a wide range of references.	Make sure your whole report is well referenced and error free.	5%	Spend time making the report error-free, good looking and a pleasure to read. Make sure you have a wide range of references, not just website references, all correctly cited.

## Marking Grid by grade range - Page 1 of 2

Learning Outcome	Fail (<40%)	Pass (40-49%)	2.2 (50-59%)	2.1 (60-69%)	1 <sup>st</sup> (70%+)
Carrying out an in-depth investigation of the context and literature and, where appropriate, other similar products. (10%)	There is very little in the way of investigation or research. Project decisions are not based on research.	Only partial investigation has taken place. Bibliography and resources used are limited and in places unreliable or questionable.	Adequate investigation of background and context. Typical range of resources in the references and bibliography which are generally reliable/appropriate.	Good investigation of background and context. Good range of resources in the references and bibliography which are generally reliable and appropriate.	<b>85% +:</b> Exceptional work of the highest quality. The research is thorough, demonstrates excellent knowledge and understanding, and is error free.  <b>70% +:</b> Excellent, in depth reporting on the background and context of the project. Extensive range of resources in the references and bibliography which are all reliable and appropriate. All dimensions of your project are considered.
Identifying, selecting and applying appropriate tools, techniques and approaches relevant to the project. (20%)	Tools chosen are not appropriate. No discussion of reasons behind the choices made.	Tools, techniques and approaches are chosen but there is little reasoning and little justification for the choices made.	Tools, techniques and approaches chosen are clearly described but are limited in scope, either in depth or number.	Tools, techniques and approaches are chosen, with a good range of suggestions and reasoned discussion for their use. There is no originality.	<b>85% +:</b> Exceptional work of the highest quality. The approaches used are innovative, relevant and clearly justified.  <b>70%+:</b> A whole variety of relevant approaches (software, hardware, techniques, systems etc.) are clearly discussed and justified. Some originality is shown.
Producing a set of deliverables by which the success of the piece of work can be judged. (50%)	The deliverable does not work and/or does not meet the aims of the project. The deliverable is poorly represented in the report. The creation of the deliverable is only described in a very basic manner. No supporting video supplied.	The deliverable is poor and only just meets the requirements of the project. The reasons for design, functionality, interface and general presentation decisions are not obvious. Its creation is only described in a basic form in the report. A very basic video is submitted.	The deliverable is of a good quality but it does not fully meet the user requirements. It meets most of the aims but alternatives have not been considered. The description of the creation of the deliverable is lacking in some areas. The video is informative and of good quality.	The deliverable is of good quality and many alternatives have been considered and correctly discarded. It meets the requirements of both the project and the end users but the proof of this has not been suitably handled. The description of the deliverable in the report is mature and relevant. The video is very helpful.	<b>85%+:</b> Exceptional work of the highest quality. The deliverable is of a publishable standard (or very close) with extensive evidence of independent investigation. The success of the project is discussed in the report in a thorough, mature and convincing manner. Exceptional video quality.  <b>70%+:</b> The deliverable is of exceptional quality. In the report, the creation of the deliverable is related back to the specification, the users and the chosen processes. The success or otherwise of the deliverable is measured in a scientific and reliable manner. Exceptional video quality.

## Marking Grid by grade range - Page 2 of 2

Learning Outcome	Fail (<40%)	Pass (40-49%)	2.2 (50-59%)	2.1 (60-69%)	1 <sup>st</sup> (70%+)
Research, critically reflect on and clearly communicate issues relevant to project success. (10%)	Very little or no reflection has taken place. No examples are given and suggestions for further work are poor.	An attempt at critical analysis of the project. Any discussion is not backed by examples or reasons. The suggestions for further work are weak and not put in context.	The critical analysis is good but does not cover all areas of the project. It is backed up by examples. Further work suggestions are good but are relatively obvious and could be extended.	The critical analysis is good and covers all relevant areas of the project. The further work section is extensive and insightful. However, weaknesses in the analysis can be found and the feasibility of some of the extensions has not been justified.	<b>85%+</b> : Exceptional work of the highest quality. The evaluation demonstrates excellent analysis skills based on mature reasoning covering all areas of the project. Some innovation is present in the further work section.  <b>70%+</b> : The critical analysis discussion is excellent. It covers all areas (from specification to final deliverable). It also discusses exciting and original ideas for future developments and clearly explains how these may be achieved. Any weaknesses found are extremely subtle.
Research, critically reflect on and clearly communicate issues relevant to professional and ethical concerns and aspects of personal development planning (PDP). (5%)	Very little or no attempt at discussion personal and/or professional development. Ethics are not discussed.	Some attempt at discussing the personal and professional learning and development that has taken place as a result of doing the project. No real insights. Ethical considerations are weak and come across as an afterthought.	A good attempt at discussing the personal and professional learning that has taken place but weak examples are given. Ethical considerations are treated more seriously and do not come across as an afterthought but they are not related back to project examples.	A good attempt at discussing the personal and professional learning that has taken place backed up by relevant examples. Ethical considerations are treated more seriously and their impact on the project is made clear.	<b>85%+</b> : Exceptional work of the highest quality. There is extensive evidence of personal development showing self-awareness and professionalism. Ethical issues are discussed in a mature and thorough manner and related directly to the project.  <b>70%+</b> : An excellent discussion of personal and professional learning and development that has taken place (backed up by relevant examples) Discussion of how this learning will influence future direction is clear. Excellent discussion of how ethical issues have influenced decisions taken throughout the project with relevant and clear examples.
Quality of report, referencing and video. (5%)	An unfinished and error ridden piece of written work.	The errors in the report detract from the meaning. References are poor.	There are multiple errors in the report. The range of references is weak.	The report is mainly error-free. References are varied but not as extensive as they could be.	The report is error-free, a pleasure to read and has a very wide range of references.