

## MARKING CRITERIA AND STUDENT FEEDBACK

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|-------------------------------|-------------------------------|
| <b>MODULE:</b> Major Project  | <b>ASSIGNMENT:</b> Final Viva |
| <b>STUDENT:</b> Krishna Katwa | <b>DATE:</b>                  |

This section details the assessment criteria. The extent to which these are demonstrated by you determines your mark. The marks available for each criterion are shown. Lecturers will use the space provided to comment on the achievement of the task(s), including those areas in which you have performed well and areas that would benefit from development/improvement.

| Common Assessment Criteria Applied                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | Marks available | Marks awarded | % Awarded |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|---------------|-----------|
| <b>1. Research-informed Literature (research/literature survey)</b><br>Extent of research and/or own reading, selection of credible sources, application of appropriate referencing conventions.                                                                                                                                                                                                                                                                                                                                                              |  |                 |               |           |
| 60-69%: Inclusion of a wide range of research-informed literature, including sources retrieved independently. Selection of relevant and credible sources. Very good use of referencing conventions, consistently applied.<br><br><i>Regulations researched and cited correctly. Evidence design specification influenced by research sources and existing products. Some good relevant references cited.</i>                                                                                                                                                  |  | 10              | 6             | 60        |
| <b>2. Knowledge and Understanding of Subject (ability to identify problems)</b><br>Extent of knowledge and understanding of concepts and underlying principles associated with the discipline.                                                                                                                                                                                                                                                                                                                                                                |  |                 |               |           |
| 60-69%: Knowledge is extensive. Exhibits understanding of the breadth and depth of established views.<br><br><i>Clear justification for project area. FEM outlined and some limitations highlighted to appreciate during analysis. General optimisation process understood - shame you did not implement topology results in your new design.</i>                                                                                                                                                                                                             |  | 10              | 6.25          | 63        |
| <b>3. Analysis (Technical ability, analytical content and ability)</b><br>Analysis, evaluation and synthesis; logic, argument and judgement; analytical reflection; organisation of ideas and evidence                                                                                                                                                                                                                                                                                                                                                        |  |                 |               |           |
| 60-69%: Sound, logical, analytical thinking, synthesis and evaluation. Ability to devise and sustain persuasive arguments, and to review the reliability, validity & significance of evidence. Ability to communicate ideas and evidence accurately and convincingly. Sound, convincing conclusions / recommendations.<br><br><i>Topology study was good. Good to see mesh study conducted to assess mesh decisions. Good attempt to validate results with practical testing. Further analysis of proposed design should have been conducted.</i>             |  | 30              | 18            | 60        |
| <b>4. Practical Application and Deployment (progression/achievement, ability to draw conclusions and understand results)</b><br>Deployment of methods, materials, tools and techniques; application of concepts; formulation of innovative and creative solutions to solve problems.                                                                                                                                                                                                                                                                          |  |                 |               |           |
| 50-59%: A good and appropriate application of standard methods, materials, tools and/or techniques. Good appreciation of the context of the application, with some use of examples, where relevant.<br><br>Some good practical testing carried out with measurement of rig deflection monitored. However, you have conducted some advanced methods to gain topology optimisation, which has generally been ignored later in the design process. This is a real shame, as you have shown you understand the rationale for this process but not implemented it. |  | 30              | 15.8          | 53        |
| <b>5. Skills for Professional Practice (communication and presentation, overall achievement and ownership of project)</b><br>Attributes in professional practice: individual and collaborative working; deployment of appropriate media; presentation and organisation.                                                                                                                                                                                                                                                                                       |  |                 |               |           |
| 60-69%: Can communicate well, confidently and consistently in a suitable format. Can work very well as part of a team, with very good contribution to group activities. Work is coherent and fluent and is well structured and organised.<br><br><i>Presented well, around good slides. Project time plan presented. Good graph showing deflection result comparison.</i>                                                                                                                                                                                     |  | 10              | 6             | 60        |
| <b>5. Skills for Professional Practice (Summary Poster)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                 |               |           |
| 50-59%: Can communicate effectively in a suitable format, but may have minor errors. Can work effectively as part of a team, with clear contribution to group activities.<br><br><i>Poster is a well presented representation of your project.</i>                                                                                                                                                                                                                                                                                                            |  | 10              | 6             | 60        |
| <b>Assignment Mark</b> (Assessment marks are subject to ratification at the Exam Board. These comments and marks are to give feedback on module work and are for guidance only until they are confirmed.)                                                                                                                                                                                                                                                                                                                                                     |  |                 |               |           |
| Late Submission Penalties (tick if appropriate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                 |               |           |
| Up to one-week late                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                 |               |           |
| Over one week late                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                 |               |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 58              | %             |           |