

MARKING CRITERIA AND STUDENT FEEDBACK

MODULE: Group Project and CAE

ASSIGNMENT: Viva

STUDENT: Group 2 Oliver Gordon, Richard Osborne & Davis Watkins

DATE: 14/05/2019

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
1. Engagement with literature Skills Extent of research and/or own reading, selection of credible sources, application of appropriate referencing conventions.			
30-39%: Poor evidence of reading and/or of reliance on inappropriate sources, and/or indiscriminate use of sources. Referencing conventions used inconsistently. Very limited referencing throughout the slides and only one verbally contact, namely Greenpower and having quoted them with regards to motor temperature		10	3.8
2. Knowledge and Understanding Skills Extent of knowledge and understanding of concepts and underlying principles associated with the discipline.			
30-39%: Gaps in knowledge, with only superficial understanding. Some significant inaccuracies. Chassis adaption was defined with regards to weight savings. Gearing was reviewed 11 speeds. Suspension and tyres through chassis development was discussed. Driver ride comfort was reviewed with a shock absorber. Some costing was introduced briefly		10	3.8
3. Cognitive and Intellectual Skills Analysis, evaluation and synthesis; logic, argument and judgement; analytical reflection; organisation of ideas and evidence			
30-39%: Some evidence of analytical intellectual skills, but for the most part descriptive. Ideas/findings sometimes illogical and contradictory. Generalised statements made with scant evidence. Conclusions lack relevance. Calculations could have been included. For example, energy in the battery, average power for each race duration. This would have informed the operating point of the motor and hence the drive ratio. Some basic figures were defined with regards to gearing and speeds and shock absorbers and weigh transfer was calculated. No specific calculation were introduced		30	10.8
4. Practical Application Skills Deployment of methods, materials, tools and techniques; application of concepts; formulation of innovative and creative solutions to solve problems.			
40-49%: An adequate awareness and mostly appropriate application of well- established methods, materials, tools and/or techniques. Basic appreciation of the context of the application. CAD was utilised to review some alternative designs and rolling radius were considered. Briefly you defined a partial test on the dyno and temperature of the motor was expressed as an issue. Gear changing ratchet mechanism was also introduced. Some basic deflection testing in workshop along an attempt to simulate it in FEA.		30	14.4
5. Transferable Skills for Life and Professional Practice Attributes in professional practice: individual and collaborative working; deployment of appropriate media; presentation and organisation.			
40-49%: Can communicate in a suitable format but with some room for improvement. Work lacks coherence in places and could be better structured. Good slides produced with individual conclusion with each section. More technical analysis would have been a benefit		20	8
Assignment Mark (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)	40.8 %	
	Up to one-week late		
	Over one week late		