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Group Assignment

**CEE1IEE Final Report Assessment Sheet**

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| **Group Name/Student Names: Group 10**. Charlotte Wellard, William Hadrill, Kelvin Wong, Mohammed Muljani and Wenbin Shi  **Supervisor:** |

The following sections are included for your guidance and to help you rank the groups.

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| **Group Writing Skills [0 – 10 marks, to 0.5 mark accuracy]:**  Structure and fitness for purpose.  Clear introduction, easy to read and general flow.  Edited to remove repetitions; adequate coverage of important areas.  Thoroughly checked before submission. | 6 |

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| **Technical and Analytic Content [0 – 20 marks, to 0.5 mark accuracy]:**  Analytic understanding of the problem.  Performance modelling. Technical progress.  Demonstration of working/completed sections. | 12 |

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| **Conclusions, clarity of client recommendations [0 – 10 marks, to 0.5 mark accuracy]:**  How useful is the report to the client  Correctness of the conclusions and implementation plan | 6 |

Total mark allocated [out of 40]: 24

**Please include comments to justify your decision on this page or overleaf.**

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| Your report is well written and the summary shown in table 1 (including appropriate use of units) is very clear. However, you have some quoted energy consumption and generation numbers without showing any detailed calculation as to how you arrived at them although you did include significant analysis for the swimming pool. For example I couldn’t find anywhere in your report an assumption about how many cardiovascular machines you were proposing. Similarly, your costings (which seem excessive to me) are given without detailed breakdown. Also how much of these costs would be incurred by an on-grid system? Use of solar panels is appropriate although I’m not sure whether wind turbines on the roof would require planning permission which would also incur costs. Use of space heating and water heating using solar energy might also have been worth exploring. Your recommendations to your client are reasonable if somewhat negative perhaps encouraging her to take a cautious approach! |

Assessor: .Dr Mike Spann. Date: 7/4/15