

CLINIC CONSULTANT IN ECE
ENGINEERING DESIGN & IMPACT STATEMENT

Consultant Name & Rowan ID

Client Name

Project Title

Brief Description of the Consultant Work (150 words or less)

Please answer **all** of the following questions. The font size will decrease as you add text to accommodate all the text you enter. You can also use additional space and pages if needed. Completed form must be attached / submitted with your report.

Part 1 – Engineering Design Process

What is the engineering design process you used? Briefly describe: i) problem definition and opportunities for advancing technology; ii) technical requirements; iii) timeline / tasks / deliverables; iv) trade-offs and alternatives that were considered, v) risks considered; vi) final design: how did you test, analyze, evaluate and verify your solution?

What are the multiple realistic constraints in your project: Constraints are specific limitations and restrictions on how you may (or may not) solve the problem. Constraints are different than design specifications (already described above). Every project must mention the applicable constraints.

What engineering standards were applicable or did you use / follow? Every report must mention the applicable engineering standards. Include the name/citation (e.g., IEEE 1451) and brief description of each standard.

Part 2 – Consideration of Impact Factors - You must think about and consider the impact of your solution, design or service decisions on the following factors. All questions must be answered.

Describe the public health, safety and welfare factors considered in your design/service, along with their impact

Describe the global, social and cultural factors considered in your design/service, along with their impact

Describe the environmental factors considered in your design/service, along with their impact

Describe the economic factors considered in your design/service, along with their impact

Part 3 – Professional Practice & Growth

Ethical and professional considerations: Using the four-corners approach, explain what ethical and professional issues may arise (or did) in the context of global, economic, environmental, and societal factors; how you address them or how can they be addressed. Identify the capabilities, consequences, duties and virtues associated with your design / service / decisions.

Consultant
Signature: