**Topic: The design and construction of a bridge to span a creek with a width of about 20 metres.**

The bridge should not be copied that is already in existence or get the same plans.

Location: Could be any (for example a park etc).

Word Limit: 2000 Words

The report should include the following:

**1. Rationale and Background**: stating reasons for doing this project with a background to the project followed by principal objectives. Discussion should be supported by academic literature.

(Example – Arch Bridge – Bridge for crossing pedestrians etc.)

A picture of Bridge in CAD or Photoshop. Doesn’t have to be detailed. Just a sample one.

**2. SWOT analysis:** discussing strength, weakness, opportunity and threats of the project in terms of technical, economical and environmental aspects.

References: Harvard Style

Marking Criteria: Sample (HD)

Rationale and Background: Rationalise why the project is chosen and discuss the background of the project in an insightful way, with support from an extensive range of academic references.

Swot Analysis: Insightful analysis regarding all three technical, economical and environmental aspects.Comprehensive analysis in the context of the project.