



# The Truss Project Report Structure

## 1 Truss description + Sketch (3 Marks)

In this section, describe the design of truss, advantages, and the rational for selecting this design.

Add a detailed sketch of the truss which includes all the dimensions of the truss (should allow anyone to build the same design).

## 2 Picture of the truss and the test set-up (3 Marks)

In this section add clear pictures of the truss from all angles and add pictures of the test set-up.

## 3 Results (4 Marks)

In this section include the ultimate load of the truss in (Newton) + the graph from the Universal Testing Machine (UTM), the weight of the truss in (grams) and then convert it to (Newton) and then calculate the Strength Factor:

$$\text{Strength Factor} = \frac{\text{Ultimate Load (N)}}{\text{Weight of the truss (N)}}$$