**Assignment 4**

The aim of this assignment is to use Staad Pro to analyse a structure when given time varying loads.

| **Time (sec)** | **Force (kN)** |
| --- | --- |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 4 |
| 7 | 3 |
| 8 | 2 |
| 9 | 1 |
| 10 | 0 |

The structural properties of the cylinder are:

Diameter: 10m

Thickness:10mm

Length: 210

Material: concrete

The results are in this drive: [link](https://drive.google.com/drive/folders/1KQfh7nwUNFgol9Emzoi6au_eBDx5lACR?usp=sharing)