# TIMELINE

**Week 1: 7th – 14th May**

* Create account and VM (Ubuntu)on Google Cloud
* Install BIND9 and other utils necessary

**Week 2: 14th – 21st May**

* Deploy DNS server on cloud machine.
* Create primary NS, forward, reverse zone file
* Write up

**Week 3: 21st – 28th May**

* Setup Cache name server
* Write Up
* Analyse packets on Wireshark (Unencrypted)
* DNS over TLS
* DNS over HTTPS

**Week 4: 28th – 4th June**

* Analyse packets on Wireshark (Encrypted)
* Decide on measurements
* Write up – Introduction
* Poster preparation

**Week 5: 4th – 11th June**

Decide on measurements

Plot the values

Install Quad9 and test

Poster preparation & submission – 7th June

**Week 6: 11th – 18th June**

Reproduce implementation on SF’s servers

Make a list of people willing to use DNS (limited number)

Plot graphs

Write up

**Week 7: 18th – 28th June**

Tweaking implementation

Poster showcase – 20th June

Write up - continued

Implement on Trinity servers (if permission granted)

Make PPT for presentation

**Week 8: 28th – 2nd July**

Prepare for Oral examination

Write up

Tweak implementation

More measurements and analysis

**Week 9: 2nd – 9th July**

Analysis of values and data obtained

Make a UI of packet capture (if necessary)

Write up continued

**Week 10: 9th – 16th July**

Incorporate continuous feedback from SF and presentation

Write up

**Rest: 16th – 15th August**

Improvements

Create a UI (if necessary)

Any additional implementations

Analysis

Plot measurements and observations

Write up

Submission