**Testing Agenda**

1. Simple Internet Speeds over 10 websites
   1. Fetched html code for each webpage:
      1. 'https://www.google.com.pk/',
      2. 'https://www.youtube.com/',
      3. 'https://www.apple.com/',
      4. 'https://www.yahoo.com/',
      5. 'https://www.linkedin.com/',
      6. 'https://www.wikipedia.org/',
      7. 'https://www.amazon.com/',
      8. 'https://twitter.com',
      9. 'https://www.pinterest.com',
      10. 'https://www.quora.com'
   2. Ran this test 100 times and taken the average
   3. **Results**
2. Simple Available Tor Circuits Randomly Chosen
   1. **Results**
3. Fixed Guard Node, Random Middle Relay, Random Exit Relay [**No path selection algorithm used**]
   1. Fetched html code for same websites
   2. Ran this test 100 times and taken the average
   3. **Results**

**Comparison of Tests 1 and 3**

1. Fixed Guard Relay, Exit Relay close to destination [**Shortest Path based on NODES location. Random selection within nodes**]
   1. Key takeaway was that the nodes had a list of relays of which we made random selection
   2. Fetched html code for same websites
   3. Ran this test 100 times and taken the average
   4. **Results**

**Comparison of Tests 1, 3 and 4**

**Comparison of Tests 1, 2, 3 and 4**

**\*ISSUES FACED\***

* Totally Blind at start
* Randomly chose 3 relays without checking flags
* http requests not https
* Internet speeds vary. Times vary

\***FUTURE WORK**\*

* Machine learning. Features that correspond well with time and latencies