

# Fact Checker

## Problem Statement

Given a document or a set of documents and a fact, tell whether the fact is true or false.

## Possible Approaches:

1. Summarize(optional) the document(s) and use various techniques for semantic similarity between the document/summary and the fact.
2. Create a negation of the fact and find out semantic similarity for both of them and decide accordingly.
3. Create triplets(subject-verb-object) of sentences in the document and store them. And then create a triplet of the fact and find similarity between these triplets.
4. Use different approaches for co-occurrence matrices.

## Deliverables:

1. 11th November(Friday): Complete implementation and a rough draft of the report.
2. 17th Novemebr(Thursday): Complete implementation with improvement in approaches and report.
3. 24th-28th November: Viva based on the project.
4. 30th November(Wednesday): Final submission of the project.

**PS:** Remember the aim of the project is not to get the final result but how you approach the problem and how you work on it.