**GATIS Project**

We aim to implement this paper in the following phases:

1. Phase-1: Understanding the problem statement

Objective**:**

* Synthesize realistic images directly from text descriptions using a GAN-based architecture.
* A few examples:
  + *"This small bird has a short, pointy orange beak and a white belly."*
  + *"This flower has bright purple petals with a white stigma."*

Challenges:

* High Multimodality: Many valid images can correspond to the same text description.
* Text-to-Image Gap: Bridging the difference between textual representations and visual pixel space.