

Project Title: Scene Graph Generation for Satellite Images

Brief description of topic: The Scene Graph generation involves semantic of visual scene by explicitly modeling objects, attributes of objects, and relationships between objects.

Following can be the steps

1. Acquisition of Satellite image dataset.(Many are available online/ Github etc)
2. Object detection and identification of attributes and relationships between objects using deep learning methods
3. Develop the scene-graph where the nodes represent objects and edges represent relationships

No of interns per project 3-4

Project guide details: Mrs. Stuti N. Ahuja, Assistant Professor, IT Department, SIESGST

Preferred year for the intern: TE (2022 passout)

Pre-requisite: Basics of Machine learning / Deep learning