



## DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

### PROJECT PROPOSAL

- 1. Project Title: - OBJECT DETECTION WITH DEEP LEARNING**
- 2. Project Scope:** Real time object detection may be a huge, spirited and sophisticated space of computer vision. If there may be a single object to be detected in a picture, it's called Image Localization and if there are multiple objects in a picture, then it's Object Detection. This detects the semantic objects of a category in digital images and videos. The applications of real time object detection include tracking objects, video surveillance, pedestrian detection, folks count, self-driving cars, face detection, ball tracking in sports and plenty of additional. Convolution Neural Networks may be a representative tool of Deep learning to find objects victimisation OpenCV(Opensource computer Vision), that may be a library of programming functions mainly geared toward Realtime computer vision.
- 3. Requirements: - Jupyter Notebook , Python IDE, GUI (tkinter)**

#### STUDENTS DETAILS

Name	UID	Signature
VUPPUTURI BHARATH	20BCS6586	
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#### APPROVAL AND AUTHORITY TO PROCEED

*We approve the project as described above, and authorize the team to proceed.*

Name	Title	Signature(with Date)
Ms. SUKHMANN KAUR	Supervisor	