**DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY**



PROJECT PROPOSAL

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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**

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| **Name** | **UID** | **Signature** |
| **VUPPUTURI BHARATH** | **20BCS6586** |  |
| **KETHURI AJAY** | **20BCS6585** |  |
| **AMAN MISHRA** | **20BCS6594** |  |
| **AMAN SHUKLA** | **20BCS6568** |  |

**APPROVAL AND AUTHORITY TO PROCEED**

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

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| **Name** | **Title** | **Signature(with Date)** |
| Ms. SUKHMAN KAUR | Supervisor |  |
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