

DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

**PROJECT PROPOSAL**

# Project Title: -

# Human Face Detection

1. **Project Scope: -**

With the wide acceptance of online systems, the desire for accurate biometric authentication based on face recognition has increased. One of the fundamental limitations of existing systems is their vulnerability to false verification via a picture or video of the person. Thus, face liveness detection before face authentication can be performed is of vital importance. Many new algorithms and techniques for liveness detection are being developed. Even though some systems use hardware-based liveness detection, we focus on the software-based approaches, in particular, the important algorithms that allow for an accurate liveness detection in real-time.

1. **Requirements:-**

* Python Basics.
* Use of OpenCV.
* Jupiter Notebook.

## STUDENTS DETAILS

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| **Name** | **UID** | **Mobile Number** | **Signature** |
| **AMISHA KHANNA** | **20BCS6712** | **8053424240** |  |
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**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)** |
| **Vijay Bhardwaj** | **Supervisor** |  |
| **Ashok Kumar** | **Co - supervisor** |  |