

DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

**PROJECT PROPOSAL**

# Project Title: -

# Machine Learning-based An Improved Sign Language Recognition System

1. **Project Scope: -**

In this assessment, a survey on existing Machine Learning-enabled Sign Language Recognition System and the objectives of this assessment are given as:

1. To presents a short survey on the existing model related to automatic sign language

recognition.

1. To focus on the existing problem of the automatic sign language recognition system.
2. To find out the best approach of Machine Learning for the automatic sign language recognition system.
3. **Requirements:-**

* Python
* OpenCV
* NumPy
* Pandas
* NLTK
* Matplotlib

## STUDENTS DETAILS

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| **Name** | **UID** | **Mobile Number** | **Signature** |
| **AMISHA KHANNA** | **20BCS6712** | **8053424240** |  |
| **HRITVIK MATHUR** | **20BCS6760** | **9549548930** |  |

**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)** |
| **Siddharth Kumar** | **Supervisor** |  |
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