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| **Sanjivani Rural Education Society’s**  **Sanjivani College of Engineering, Kopargaon-423603**  ***(An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune)***  ***NAAC ‘A’ Grade Accredited***  **Department of Information Technology**  ***UG Programme in IT NBA Accredited***  **FINAL YEAR PROJECT SYNOPSIS**  *(Academic Year 2024-2025)* | |
| **Project Group Id** | | 16 |
| **Title of the Project** | | Sign Language Conversion to Text and Speech |
| **Project Domain** | | Deep Learning and Natural Language Processing |
| **Problem Statement** | | Communication barriers exist between the hearing and deaf or hard-of-hearing communities due to the difference in language modalities. While spoken and written languages are commonly used, sign language is the primary mode of communication for many in the deaf community. However, sign language is not universally understood by those who do not know it, leading to challenges in social integration, education, and access to services. The goal of this project is to bridge this communication gap by developing a system that can convert sign language into text and speech in real-time. |
| **References** | | *(Specify latest references. Attach first page of all references with synopsis)*  [1] Deep learning models used in similar projects.  [2]Research on improving communication for the hearing impaired.  [3]Techniques for converting sign language to text or speech.  [4]Real-time Translation. |
| **Project Plan** | | *(Attach separate sheet specifying all phases of project)* |
| **Name of Students in the Project Group with their signatures** | | 1.Atharva Narayan Kotasthane  2.Yash Sanjay Musmade  3.Swapnil Jitendra Naikwadi  4.Pramod Sanjay Katare  5.Harshada Ramesh Kulkarni |
| **Name of the Guide and Signature** | |  |
| **Date** | |  |



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| Project title Accepted/Rejected. | | |
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| Dr C D Bawankar |  | Dr. M A Jawale |
| Project Coordinator |  | HOD |