PROJECT PROPOSAL

1	Title of the project: **Intelligent Sign Language Recognition Using Image Processing and Machine learning** Area of project: Image processing using machine learning
2	Abstract: The basic objective of this project is to develop a computer based intelligent system that will enable dumb people significantly to communicate with all other people using their natural hand gestures. The idea consisted of designing and building up an intelligent system using image processing, machine learning and artificial intelligence concepts to take visual inputs of sign language's hand gestures and generate easily recognizable form of outputs.
3	Expected Outcome of the project: This system can act as a translator between the sign language and the spoken language dynamically and can make the communication between people with hearing impairment and normal people both effective and efficient.
4	Number of interns required - 4
5	Project guide – Prof. Swati Rane
6	Preferred year of the intern - TE / BE
7	Duration of the project – 6 months

Prof. Pushkar Sathe   Prof Dr. Preeti Hemnani
Project Coordinator   (HOD-EXTC)