



Department Of Computer Engineering

Academic Year: 2021 to 2022

Year (SE / TE / BE): TE SEM : VI

Project Title: Sign Language Recognition

Team Member 1: (Team Leader)

Name: Ishanee Revankar

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Team Member 2:

Name: Nidhi Singh

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Team Member 3:

Name: Nidhi Heniya

College ID: 19102041 Email: 19102041@apsit.edu.in

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Team Member 4:

Name: Chirag Hegde

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Project Guide [Signature]

Project Coordinator

Head of Department

Guide Name: Prof. Sofia Mujawar



Department Of Computer Engineering

Academic Year: 20__ to 20__

Year (SE / TE / BE): TE SEM: VII WEEK No.: 122

Date: From 14-02 to 25-02

Progress Planned	Progress Achieved
1. Deciding Domain	Domain selected as ML
	and language as python
2. Project Title	Project Title decided.
3. Problem statement	Problem statement &
and understanding domain	domain understood
4. Need to review research	Read various research
papers based on problem	papers.
statement.	
5. Topic Finalisation	Topic is Sign language Recognit

Guides Review: Domain selected was Machine learning
all other details/ information like Title & topic
are finalised.

Signature
Team Member 1: [Signature]
Team Member 2: Nidhi's
Team Member 3: Niti
Team Member 4: Chirag

Project guide: [Signature]

Signature: 25-2-22

Date:



Department Of Computer Engineering

Academic Year: 2021 to 2022

Year (SE / TE / BE): TE SEM: VI WEEK No.: 3

Date: From 28-02 to 04-03

Progress Planned	Progress Achieved
1. Defining Objective & scope	Objective & scope is defined
2. Detailed literature review	Literature review prepared for Sign Language recognition
3. Setting up software requirements	Installing python, opencv, VS code & Tensorflow
4. Process of workflow of project decided (modules)	Data collection, preprocessing, Model creation, Prediction were decided.

Guides Review: Software required were installed
correctly and workflow was decided

Signature
Team Member 1: [Signature]
Team Member 2: Nidhis
Team Member 3: MT
Team Member 4: Chitra

Project guide: [Signature]
Signature: 4-3-22

Date:



Department Of Computer Engineering

Academic Year: 2021 to 2022

Year (SE / TE / BE): TE SEM: VI WEEK No.: 4

Date: From 7-03 to 11-03

Progress Planned	Progress Achieved
1. Selection of Algorithm	CNN model was selected for the project
2. Planned to learn the Indian sign language	learned to A-Z sign and 0-9 signs
3. Selection of preprocessing techniques, need to apply on image	The decision was taken to apply thresholding,
4. Image collection	Sign Images were collected

Guides Review: Algorithm selected was CNN and is
appropriate according to the topic

Signature
Team Member 1: [Signature]

Team Member 2: Nidhi S

Team Member 3: MA

Team Member 4: Chirag

Project guide:

Signature:

[Signature]
11-3-22

Date:



Department Of Computer Engineering

Academic Year: 2021 to 2022

Year (SE / TE / BE): TE SEM: VI WEEK No.: 526

Date: From 14-03 to 25-03

Progress Planned	Progress Achieved
1. Image Preprocessing	- All images collected
need to done before storing	were converted to black
in dataset	and white and resized.
2. Creation of Training	- Training dataset was
data	created.
3. Creation and implementing	Created the model
model for project	with
4. Writing introduction	- Introduction and model
and research paper review	abstract completed

Guides Review: After all the procedure was done
correctly, students started working on research
paper

Signature
Team Member 1: [Signature]

Team Member 2: Nidhi's

Team Member 3: Mt

Team Member 4: [Signature]

Project guide:

Signature: [Signature]
25-3-22

Date:



Department Of Computer Engineering

Academic Year: 2021 to 2022

Year (SE / TE / BE): TE SEM: VI WEEK No.: 79 & 8

Date: From 11-04 to 22-04

Progress Planned	Progress Achieved
1. Completing Training of model	Machine learning model was trained with
2. Testing the trained model	Model was tested based on real time input and achieved accuracy of
3. Completion literature review	literature review was completed
4. Increase performance of model	Model performance increased

Guides Review: Other all documentation was completed
correctly.

Signature
Team Member 1: [Signature]

Team Member 2: Nidhis

Team Member 3: N/A

Team Member 4: Chinmay

Project guide: [Signature]
Signature: [Signature]

Date:



Parshwanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
(Religious Jain Minority)

Department Of Computer Engineering

Academic Year: 2021 to 2022

Year (SE / TE / BE): TE SEM: VI WEEK No.: 92810

Date: From 28-03 to 8-03

Progress Planned	Progress Achieved
1. Obtaining results	- Results obtained
2. Completing the integration of opencv and ML model	- Opencv and Trained model was integrated
3. Methodology and conclusion of research paper	- Completed the research paper
4. Final formatting of research paper	- Final formatting of research paper is done

Guides Review: Research paper was done correctly.

In proper format

Signature
Team Member 1: [Signature]

Team Member 2: Nidhis

Team Member 3: Mit

Team Member 4: Chitara

Project guide: [Signature]
Signature: 8-3-22

Date: