

Project Design Phase-I

Solution Architecture

Date	04 November 2023
Team ID	Team - 592796
Project Name	Alzheimer Disease Prediction
Maximum Marks	4 Marks

Solution Architecture:

It optimizes and enhances the process of predicting Alzheimer's in patients in a very early stage with the help of CNNs real time image classification algorithm. It altogether enhances the accuracy and efficiency of predicting the disease at a very early stage itself helping in early diagnosis and treatment which helps to make the life a lot more easier and happier for both patients and care-givers. This infinite closed-loop system ensures real-time updates in the brain pattern of subjects using regular updates of MRI pattern recognition leading ever evolving accuracy and efficiency.

Our solution leverages Convolutional Neural Networks (CNNs) to predict Alzheimer's in any potential individual and the risk and intensity levels for different stages with ease and accuracy.

- Data Gathering
- Image Preprocessing
- Model Building
- Alzheimer's disease Prediction
- Real Time Analysis

Solution Architecture Diagram

