Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID24825
Project Name	Project - Detecting Parkinson's Disease using Machine Learning
Maximum Marks	4 Marks

Solution Architecture:

- Collecting the hand-drawn Spiral and Wave diagrams from the person.
- After uploading it to the model, we use the model to diagnose the disease.
- Here the model diagnoses by segmenting the image and viewing it to compare and produce a result.
- The image is segmented and understood by the model by utilising various methods like Conv 2d, Conv 1d, etc. and it also utilises activation functions like Relu, Linear, etc. for optimal performance.
- After classifying the image it returns the result to the patient as output

Solution Architecture Diagram:

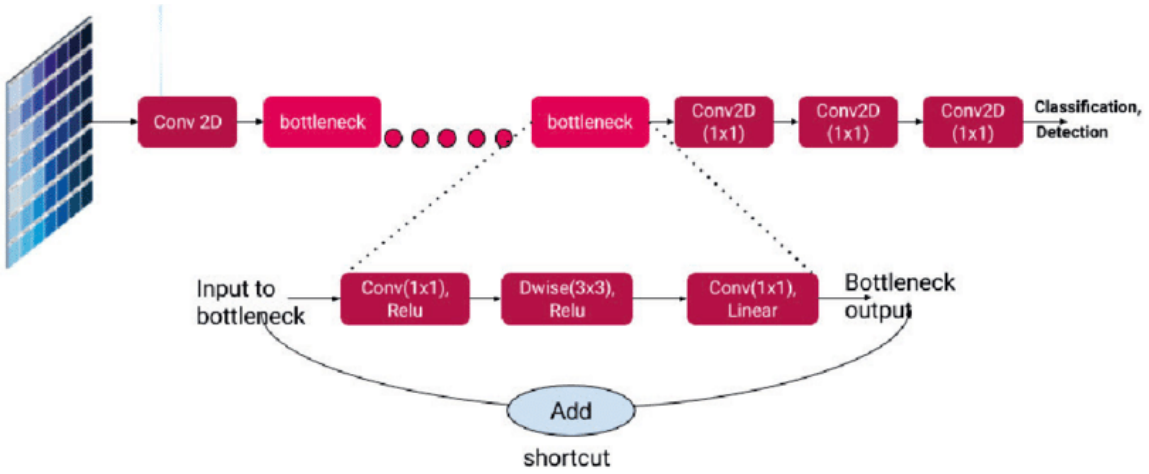

Figure 1: Architecture and data flow of the mobilenet_v2 model we used for our solution

Reference:

[Classifying Parkinson's disease through image analysis: Part 1 | by Robin T. White, PhD | Towards Data Science]