

## **PROJECT DESIGN PHASE-I**

### **SOLUTION ARCHITECTURE**

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Team ID	PNT2022TMID09274
Project Name	DETECTING PARKINSON'S DISEASE USING MACHINE LEARNING
Date	2/10/22

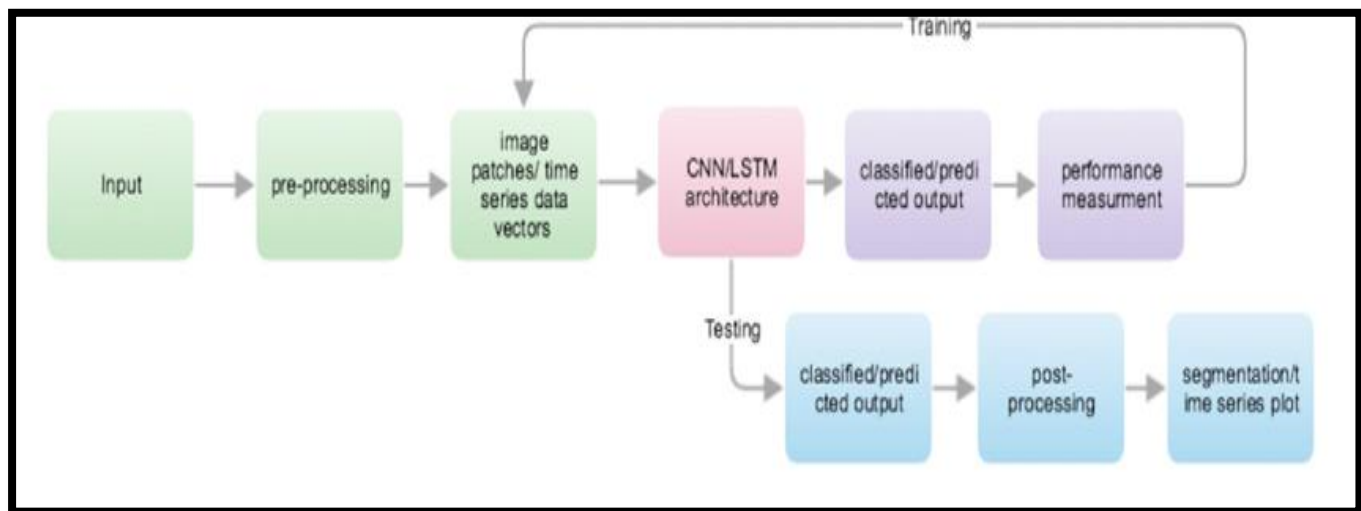
### **PROBLEM STATEMENT**

- Parkinson's disease is a neurological movement disorder. Common symptoms include tremor, slowness of movement, stiff muscles, unsteady walk and balance and coordination problems.
- Biomarkers derived from human voice can offer insight into neurological disorders, such as Parkinson's disease (PD). PD is a progressive neurodegenerative disorder.
- Due to the decrease in motor control that is the hallmark of the disease, voice can be used to detect and diagnose PD.
- We provide evidence to validate this concept here using a voice dataset collected from people with and without PD.

### **SOLUTION ARCHITECTURE:**

Solution architecture is the process of developing solutions based on predefined processes, guidelines, and best practices with the objective that the developed solution fits within the enterprise architecture in terms of information architecture, system portfolios, integration requirements and many more. It can then be viewed as a combination of roles, processes and documentation that are intended to address specific business needs, requirements or problems through the design and development of applications and information system.

## SOLUTION ARCHITECTURE FOR DETECTION OF PARKINSON'S DISEASE



## TECHNICAL ARCHITECTURE

