



Date 16 October 2022

Team ID PNT2022TMID09607

Project Name PARKINSON’S DISEASE DETECTION

USING MACHINE LEARNING

Maximum Marks 4 Marks

<div>SCENARIO</div> <div>Browsing, booking, attending, and rating a local city tour</div>	<div></div> <div>Entrice</div> <div>How does someone initially become aware of this process?</div>	<div></div> <div>Enter</div> <div>What do people experience as they begin the process?</div>	<div></div> <div>Engage</div> <div>In the core moments in the process, what happens?</div>	<div></div> <div>Exit</div> <div>What do people typically experience as the process finishes?</div>
<div></div> <div>Steps</div> <div>What does the person (or group) typically experience?</div>	<div><div>Parkinson's Disease</div><div>the person suffering from parkinson's disease will be affected with neuro degenerative disorder of central nervous system</div></div> <div><div>Symptoms</div><div>The person suffering from the Parkinson's disease will observe the symptoms like tremor of voice, shivering in the tone, muscle stiffness, slowness of movement, difficulty with walking and emotional and behavioural changes</div></div>	<div><div>Beginning of the process</div><div>Collecting voice dataset and speech recording</div></div>	<div><div>SWA Algorithm classifies dataset of the patient into healthy and normal patient</div></div>	<div><div>Parkinson's disease is detected</div></div>
<div></div> <div>Interactions</div> <div>What interactions do they have at each step along the way?<ul style="list-style-type: none"><li>■ <b>People:</b> Who do they see or talk to?</li><li>■ <b>Places:</b> Where are they?</li><li>■ <b>Things:</b> What digital touchpoints or physical objects would they use?</li></ul></div>	<div><div>they will consult a doctor about the abnormal symptoms they observe</div><div>Hospital clinic , labarotary</div><div>voice recorder ,microphone, instruments for measuring voice parameters</div></div>			
<div></div> <div>Goals &amp; motivations</div> <div>At each step, what is a person’s primary goal or motivation? (“Help me...” or “Help me avoid...”)</div>	<div><div>Early detection of Parkinson's disease by detecting changes in the voice of patient.</div><div>Early recovery of Parkinson's disease patient</div></div>			
<div></div> <div>Positive moments</div> <div>What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?</div>	<div><div>Early detection of the disease and early recovery.</div></div>			
<div></div> <div>Negative moments</div> <div>What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?</div>	<div><div>the usage of large dataset may consume time to process the result</div></div>			
<div></div> <div>Areas of opportunity</div> <div>How might we make each step better? What ideas do we have? What have others suggested?</div>	<div><div>Training the dataset with various algorithms to improve the accuracy</div></div>			

