Project Title: Detecting Parkinsons Disease using Machine Learning Project Design Phase-I - Solution Fit Template Team ID: PNT2022TMID34835

People above the age of 50. Expensive exams. MRI facility are available only in

big hospitals and it's hard for backward people to Parkinson's disease can't be cured, but medications

detect their symptoms at the right time. can help control the symptoms, often dramatically. . In some more advanced cases, surgery may be . advised. Your health care provider may also

recommend lifestyle changes, especially ongoing

aerobic exercise



* Early prediction
* Easy procedure Parkinson's disease is caused by a loss of nerve cells Patients with Parkinson’s disease can experience
* Accurate prediction in the part of the brain called the substantia nigra. It several behavioral symptoms, such as apathy,
* Low cost is an age-related degenerative brain condition, agitation, hyper-sexuality, stereotypic movements,

meaning it causes parts of your brain to deteriorate. Pathological gambling, abuse of antiparkinsonian

It's best known for causing slowed movements, drugs, and REM sleep behavioral disorders.

tremors, balance problems and more. Most cases

happen for unknown reasons, but some are inherited.



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|  | **3. TRIGGERS TR**  What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efﬁcient solution in the news.  Hard for people to go through an MRI. They wanted to get accurate results by an easy procedure. They triggered by watching advertisement on various websites related to Parkinson's disease. | **10. YOUR SOLUTION SL**  If you are working on an existing business, write down your current solution ﬁrst, ﬁll in the canvas, and check how much it ﬁts reality.  If you are working on a new business proposition, then keep it blank until you ﬁll in the canvas and come up with a solution that ﬁts within customer limitations, solves a problem and matches customer behaviour.  Voice signals are taken from the person and it is  Compared with the dataset of the Parkinson disease person dataset and the disease is detected | 1. **CHANNELS of BEHAVIOUR CH**    1. **ONLINE**   What kind of actions do customers take online? Extract online channels from #7   * 1. **OFFLINE**   What kind of actions do customers take ofﬂine? Extract ofﬂine channels from #7 and use them for customer development.  Customers take Parkinson's detection test online after notices some symptoms  Customer take further treatment or medications from hospital |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  How do customers feel when they face a problem or a job and afterwards?  i.e. lost, insecure > conﬁdent, in control - use it in your communication strategy & design.  Customers cannot do their task properly as they have symptoms of Parkinson's disease. After detecting the disease, customers can take treatment and prevent the symptoms get worsen and show a betterment in their performance |