DETECTING PARKINSON'S DISEASE USING MACHINE LEARNING

IBM – LITERATURE SURVEY

UNDER THE GUIDANCE OF

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DPARTMENT OF INFORMATION TECHNOLOGY
LOYOLA INSTITUTE OF TECHNOLOGY

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LITERATURE SURVEY

PROJECT TITLE : Parkinson’s Detection Using Machine Learning

AUTHOR NAME : Surekha Tadse , Muskan Jain ,Pankaj Chandankhede

YEAR OF PUBLISHED IN : 2021

ABSTRACT :

Advance technology such as Data Science can be used to find solutions to medical science problems, by using its data and implementing machine learning Alogrithms on it, to draw the insights and patterns from the data and spotout the possibilities. The system has achieved a much better end up predicting the palladium patient is healthy or not, XGBoost provided the high accuracy of 96% and therefore the Matthews parametric statistic(MCC) of 89%.

PROJECT TITLE : Early Detection of Parkinson’s Disease Using Deep Learning and Machine Learning

AUTHOR NAME : Wu Wang, Junho Lee ,Fouzi Harrou ,Ying Sun

YEAR OF PUBLISHED IN :2020

ABSTRACT :

Accurately detecting Parkinson’s disease (PD) at an early stage is certainly indispensable for slowing down its progress and providing patients the possibility of accessing to disease modifying therapy. Towards this end, the premotor stage in PD should be carefully monitored. An innovative deep-learning technique is introduced to early uncover whether an individual is affected with PD or not based on premotor features.

PROJECT TITLE : Parkinson’s Disease Diagnosis Using Machine Learning and Voice

AUTHOR NAME : Timothy J. Wroge ,Yasin Ozkanca ,Cenk Demiroglu ,Dong Si

YEAR OF PUBLISHED IN : 2019

ABSTRACT :

Biomarkers derived from human voice can offer in-sight into neurological disorders, such as Parkinson’s disease (PD), because of their underlying congnitive and neuromuscular function. PD is a progressive nerodgenerative disorder that affects about one million people in the united states, with approximately sixty thousand new clinical diagnoses made each year .

PROJECT TITLE : Parkinson’s Disease Detection based on Changes of Emotions during speech

AUTHOR NAME : Justyna Skibinska ,Radim Burget

YEAR OF PUBLISHED IN : 2018

ABSTRACT :

Parkinson’s disease (PD) is the neurodgenerative disease which affects 2-3 % of the population beyond 65 years of age in Eu. When PD treatment is administered early, it is significantly more effective. Unfortunately, it is quite challenging to detect this disease at its early stage and when the symptoms can be regonized it is usually quite late.