DEPARTMENT OF CSE

APEX INSTITUTE OF TECHNOLOGY

# PROJECT PROPOSAL

## Project Title: - PARKINSON’S DISEASE CLASSIFICATION USING MACHINE LEARNING TECHNIQUES

## 2. Project Scope:-

## Parkinson's disease is a progressive nervous system disorder that affects movement leading to shaking, stiffness, and difficulty with walking, balance, and coordination. Parkinson's symptoms usually begin gradually and get worse over time.

## The scope of this project is to compare various machine learning models in the successful prediction of the severity of Parkinson's disease and develop an effective and accurate model in order to help diagnose the disease accurately at an earlier stage which could in turn help the doctors to assist in the cure and recovery.

## 3. Requirements: -

A laptop, computer, or notebook computer is a small, portable personal computer (PC) with a screen and alphanumeric keyboard. Now coming to Programming languages, we should have a knowledge about the Python, Machine learning and its algorithms and some knowledge about the Jupyter Notebook. For software we require Anaconda and Jupyter Notebook IDE for executing our code.

### STUDENTS DETAILS

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| **Name** | **UID** | **Signature** |
| GIRESH VENKATA TRINADH KANDRU | 20BCS6536 |  |
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| RISHABH RAI | 20BCS6757 |  |

### APPROVAL AND AUTHORITY TO PROCEED

We approve the project as described above, and authorize the team to proceed.

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| **Name** | **Title** | **Signature (with Date)** |
| Ms MERRY K.P. | Supervisor |  |