VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

BELAGAVI

A PROJECT REPORT ON

"PARKINSON'S DISEASE PREDICTION USING MACHINE LEARNING TECHNIQUES"

Submitted in partial fulfillment for the award of Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

By

KARUNAKAR	4AL19CS063
SHAMEER ABDUL KADER	4AL19CS082
VISHESH R SHETTY	4AL19CS109

Under the Guidance of

Dr. Arun Anoop M

Associate Professor

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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MOODBIDRI-574225, KARNATAKA

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MIJAR, MOODBIDRI D.K. -574225, KARNATAKA

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CERTIFICATE

This is to certify that the project entitled **"PARKINSON'S DISEASE PREDICTION USING MACHINE LEARNING TECHNIQUES"** has been successfully completed by

KARUNAKAR	4AL19CS063
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the bonafide students of **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2022–23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Projectwork prescribed for the Bachelor of Engineering Degree.

Dr. Arun Anoop M **Project Guide**	**Dr. Manjunath Kotari** **Head Of the Department**	**Dr. Peter Fernandes** **Prinicipal**

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Name of the Examiners **Signature with Date**

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ABSTRACT

Parkinson disease is a progressive neurodegenerative disorder that affects the motor system, and early detection can improve the quality of life for individuals with the condition. In recent years, there has been growing interest in using audio recordings and machine learning algorithms to detect early diagnosis of Parkinson's illness. This approach involves training supervised machine learning algorithms to analyze audio recordings and identify patterns and features that may indicate the presence of the disease. Using audio recordings to forecast the onset of Parkinson's disease presents both obstacles and potential, which are discussed in this paper's description of the state of the research in this area. The research concludes by highlighting the potential benefits of this approach, including the potential to enable earlier detection and intervention, leading to improved management of symptoms and potentially delaying the progression of the disease.