**Metadata Sheet in DOCX format for the submission of: Project Report**

**Course:** Five Year Integrated Master of Computer Applications

**Branch:** Computer Science and IT

**Title of project Report:** Alzheimer’s Disease Prediction with AI Personalized Treatment Recommendation System

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**Admission Year:** 2022

**Abstract:**

Alzheimer’s disease is a progressive neurodegenerative disorder that significantly impairs memory, cognitive function, and quality of life. Early and accurate detection is vital for effective intervention, yet conventional diagnostic methods are often limited by subjectivity, delay, and inaccessibility. This project proposes a comprehensive, AI-powered, web-based platform for the early detection and personalized management of Alzheimer’s disease using advanced deep learning techniques, including Convolutional Neural Networks (CNNs) and Deep Neural Networks (DNNs). The system is designed to analyze MRI brain scans to detect and predict the onset and progression of Alzheimer’s at various stages. In addition to diagnosis, the platform enables continuous patient monitoring, personalized medicine recommendations, and secure access to medical records. It also facilitates online consultations with healthcare professionals, improving accessibility for patients in remote or underserved areas. Developed with medical collaboration and trained on high-quality neuroimaging datasets, the system provides a reliable, scalable, and user-friendly tool for both patients and clinicians. By integrating intelligent diagnostics with patient-centered services, the platform represents a transformative step forward in Alzheimer's care, aiming to enhance early detection, streamline healthcare workflows, and ultimately improve patient outcomes.

**Keywords:**

AI Disease Prediction

Deep Learning

Convolutional Neural Networks (CNNs) and Deep Neural Networks (DNNs).

MRI

Early Detection

Healthcare

Monitoring

Web Platform