Final Report

1. INTRODUCTION

1.1 Project Overview

Liver cirrhosis is a life-threatening condition that often remains undiagnosed until its advanced stages. Our project leverages the power of Artificial Intelligence (AI) and Machine Learning (ML) to predict the onset of liver cirrhosis with high accuracy, enabling early diagnosis and timely intervention. By analyzing patterns in medical data, the system can provide insights that assist healthcare professionals in making faster and more accurate decisions, thereby transforming the landscape of liver care.

1.2 Purpose

The primary purpose of this project is to develop a predictive model that can identify patients at risk of developing liver cirrhosis. This model aims to assist doctors in screening, early diagnosis, and monitoring treatment outcomes. The project also strives to demonstrate the potential of AI and ML in augmenting healthcare systems and improving patient outcomes.