

Project Initialization and Planning Phase

Date	15 July 2024
Team ID	739673
Project Title	Early Prediction Of Chronic Kidney Disease
Maximum Marks	3 Marks

Project Proposal (Proposed Solution) template

This project proposal outlines a solution to address a specific problem. With a clear objective, defined scope, and a concise problem statement, the proposed solution details the approach, key features, and resource requirements, including hardware, software, and personnel.

Project Overview	
Objective	Identify CDK to get a better treatment in early stages.
Scope	Significant potential in improving patient outcome and reducing health care cost.
Problem Statement	
Description	Identifying the CDK patients and providing them a better treatment in early stages
Impact	Improved patient health and quality, public health impact, advertisement in medical research and technology.
Proposed Solution	
Approach	Predictive modelling and pattern recognition
Key Features	Predictive analytics, remote monitoring and telehealth, lifestyle and behavioral interventions

Resource Requirements

Resource Type	Description	Specification/Allocation
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Hardware		
Computing Resources	CPU/GPU specifications, number of cores	12 th Gen Intel ® Core ™ i5-1235U 1.30 GHz
Memory	RAM specifications	16 GB
Storage	Disk space for data, models, and logs	456 GB
Software		
Frameworks	Python frameworks	Flask
Libraries	Additional libraries	numpy, pandas, seaborn
Development Environment	IDE, version control	Jupyter notebook, Github
Data		
Data	Source, size, format	Xml sheet, 48kb size