

## Project Initialization and Planning Phase

Date	15 July 2024
Team ID	740061
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.

<b>Project Overview</b>	
Objective	Identify CDK to get a better treatment in early stages.
Scope	Significant potential in improving patient outcome and reducing health care cost.
<b>Problem Statement</b>	
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.
<b>Proposed Solution</b>	
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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<b>Hardware</b>		
Computing Resources	CPU/GPU specifications, number of cores	12 <sup>th</sup> Gen Intel ® Core ™ i5-1235U 1.30 GHz
Memory	RAM specifications	16 GB
Storage	Disk space for data, models, and logs	456 GB
<b>Software</b>		
Frameworks	Python frameworks	Flask
Libraries	Additional libraries	numpy, pandas, seaborn
Development Environment	IDE, version control	Jupyter notebook, Github
<b>Data</b>		
Data	Source, size, format	Xml sheet, 48kb size