**Project Initialization and Planning Phase**

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| 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.

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| **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 heatlh 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**

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| **Resource Type** | **Description** | **Specification/Allocation** |
| **Hardware** | | |
| Computing Resources | CPU/GPU specifications, number of cores | 12th 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 |