KPIs for Cardiovascular Disease Prediction Application

Key Performance Indicators (KPIs) are essential metrics to evaluate the success and effectiveness of the Cardiovascular Disease Prediction Application. These KPIs help in assessing the application's accuracy, performance, user engagement, and overall operational efficiency.

Performance Metrics

- Prediction Accuracy (%) - Measures the correctness of the model's predictions.
- Precision & Recall (%) - Evaluates the model's ability to detect disease cases.
- F1 Score - A balanced metric combining precision and recall.
- Response Time (ms) - The average time taken to generate predictions.
- System Uptime (%) - Ensures system availability and reliability.

User Engagement & Adoption

- User Adoption Rate (%) - Percentage of targeted users actively using the app.
- Daily Active Users (DAU) - Number of unique users per day.
- Retention Rate (%) - Percentage of users continuing app usage over time.
- Average Session Duration (minutes) - Tracks user engagement per session.

Operational & Business Metrics

- Number of Predictions Made - Total cardiovascular risk assessments performed.
- False Alarm Rate (%) - Percentage of incorrect positive predictions.
- Customer Satisfaction Score (CSAT) - User feedback on accuracy and usability.
- Compliance with Medical Standards (%) - Adherence to healthcare regulations.
- Data Processing Time (ms) - Time taken to analyze and process user data.