IBM PROJECT A1101

ARTRICIAL INTELLIGENCE-GROUP 3

Project:- AI BASED DIABETIC SYSTEM

AI_PHASE-2

INTRODUCTION:-

An AI-based diabetic system typically refers to a technology or software that uses artificial intelligence to help manage diabetes. These systems can have several components:

Blood Glucose Monitoring: AI can analyze data from continuous glucose monitors (CGMs) or blood glucose meters to provide real-time feedback and predictions about blood sugar levels.

Insulin Dosage Recommendations: Some systems can suggest insulin dosage adjustments based on the user's current blood sugar levels, insulin sensitivity, and other factors.

Diet and Lifestyle Recommendations: AI can offer dietary and lifestyle guidance tailored to an individual's needs, helping them make healthier choices.
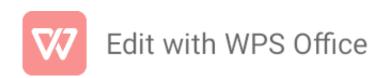
Medication Reminders: AI systems can remind users to take their medications or administer insulin at the right times.

Data Analysis and Pattern Recognition: AI can identify trends and patterns in blood sugar data, helping users and healthcare providers make informed decisions.

Telemedicine Integration: Some systems connect users with healthcare professionals for remote consultations and support.

Predictive Analytics: AI can predict hypoglycemic or hyperglycemic events, allowing users to take preventive actions.

CONCLUSION:-

These systems aim to empower individuals with diabetes to better manage their condition and improve their overall quality of life. It's important to consult with healthcare professionals when using AI-based diabetic systems to ensure they are used effectively and safely.