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.