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(57) Abstract :
 ABSTRACT AN AI-POWERED MOBILE APPLICATION FOR CONNECTING PATIENTS, HEALTHCARE FACILITIES, AND MEDICAL PROFESSIONALS The invention relates to an AI-Powered mobile application for healthcare facilities seamless interaction between diabetic patients, medical facilities, and professionals. The mobile application includes, A user interface for data input (101), a patient database storing user information and BMI (103), and a prediction model for risk assessment (104). It also features appointment scheduling (106), emergency priority services (107), hospital registration, and appointment booking (601-605), personalized diet tracking (701-706), contact access and processing (901-906), and data collection and processing (991-994). The system utilizes machine learning algorithms, real-time updates, and wearables integration to enhance user experience and ensure data security. Additionally, it allows for user feedback incorporation and employs encryption and ensemble learning techniques for improved functionality and accuracy. [To be published with Fig.1]

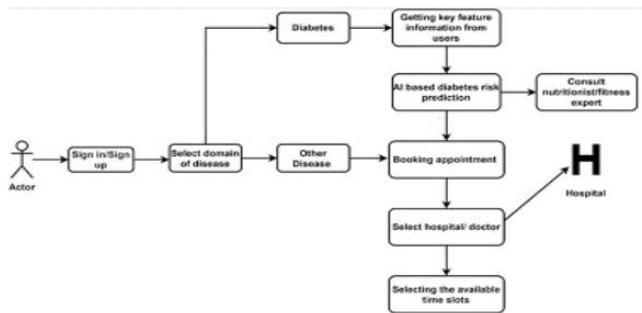


Figure 1

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