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(57) Abstract :
 ABSTRACT HEALTHCARE MANAGEMENT SYSTEM WITH AI-DRIVEN ANALYSIS, GENERATIVE AI, AND TELEMEDICINE TO OPTIMISE ACCESS AND TREATMENT This invention discloses an Emergency healthcare management system operated via a mobile application, featuring various modules for user interface, severity assessment, emergency response, medical history analysis, data sharing, treatment plan approval, disease progression prediction, follow-up monitoring, and video-guided assistance. The system utilizes AI, including Generative AI and predictive AI, for personalized therapy regimens and disease progression prediction. It also incorporates features for user-friendly interfaces, accessibility in remote areas, and integration with telemedicine services. Data storage facilitates verification and personalized medication recommendations. The method involves receiving patient details, conducting severity assessment, connecting to ambulance services, analyzing medical history, sharing data with doctors, obtaining treatment plan approval, predicting disease progression, conducting follow-up checks, providing video-guided assistance, and integrating with telemedicine services. The method utilizes stored data for verification and personalized medication recommendations. The application is available for iOS and Android, free for patients, and subscription-based for healthcare professionals accessing telemedicine features. [To be published with Fig.1]

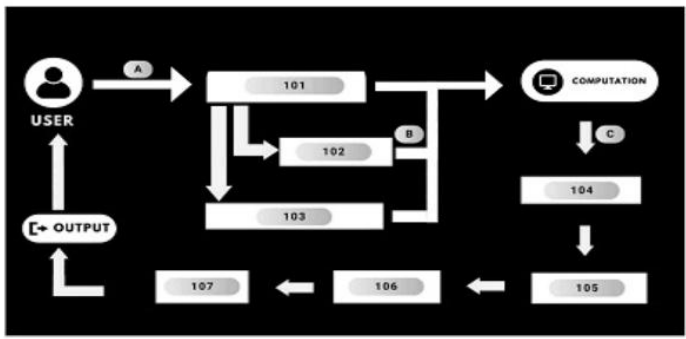


Figure 1

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