

DIGITAL PLATFORM FOR REAL-TIME DOCTOR ATTENDANCE MONITORING

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ABSTRACT

The Digital Platform for Real-Time Doctor Attendance Monitoring is designed to enhance healthcare services in Primary Health Centres (PHCs) by effectively managing doctor attendance. This system offers comprehensive monitoring, allowing the Deputy Director of Healthcare Services (DDHS) to oversee doctor attendance and promptly address absences, ensuring uninterrupted healthcare delivery. The platform integrates several components, including an admin panel, a biometric attendance system, and a mobile tracking application, all connected via a centralized server. The admin panel, serving as the primary interface, enables the DDHS to track attendance, receive alerts, and manage healthcare workers' shifts and personnel information. It also allows the Block Medical Officer (BMO) to manage doctor data and organize shifts, which the District Health Officer (DHO) then approves. Biometric systems at all PHCs and sub-centres ensure accurate attendance by requiring healthcare providers to verify their presence through fingerprint authentication. Additionally, a smartphone application tracks the physician's GPS location during work hours, confirming their presence in designated medical facilities. This integrated system helps reduce absenteeism and enhances healthcare service availability.