**Centralized and Integrated Doctor Appointment Booking Platform - CIDABP**

Ms Bhuvana M, Assistant Professor, Information Technology

Vijay A, Student, Department of Information Technology

Surya D, Student, Department of Information Technology

Vasanth N, Student, Department of Information Technology

Manimurugan S, Student, Department of Information Technology

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Abstract:** An integrated and unified online platform for scheduling doctor appointments is presented in this abstract in response to the increasing need for effective healthcare services, especially in the digital era. By enabling easy appointment scheduling across several hospitals, the technology is intended to empower patients and address the issues presented by disjointed healthcare systems. By utilizing contemporary technology, the platform provides a user-friendly interface that allows patients to quickly peruse open times, choose their favorite physicians, and arrange appointments based on their schedules and medical requirements. Ensuring real-time synchronization of appointment scheduling and availability through integration with multiple hospital infrastructures improves accessibility for patients. The platform streamlines the patient journey by centralizing appointment booking procedures, which saves time and effort when scheduling medical appointments. Furthermore, the integration of various hospital systems encourages fair access to healthcare, which is especially advantageous for patients who require specialized care or who live in underserved areas. The platform's centralized design also helps hospitals use their resources more effectively by streamlining appointment scheduling and cutting down on administrative burdens. This ultimately improves patient satisfaction and accessibility to healthcare overall by improving operational efficiency and care delivery quality.