Optimizing Sri Lankan Ayurvedic Healthcare Industry: A Technological Approach to Enhance Patient Care and Management with Special References to the Central Province in Sri Lanka

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Ayurvedic medicine, which originated in ancient Indian traditions, has acquired international recognition as a holistic and natural healing approach that emphasizes the balance of mind, body, and spirit via tailored treatments, herbal cures, and lifestyle practices. This study focused on the integration of modern technologies into Sri Lanka's traditional Ayurvedic healthcare system, to optimize patient care and management. The purpose of this study was to direct the thoughtful integration of contemporary instruments, promoting a medical environment that skillfully combines traditional healing methods with state-of-the-art discoveries for the benefit of patients in Sri Lanka and elsewhere. Ayurveda, which is based on ancient practices, plays an important part in the nation's healthcare, but the changing landscape needs a collaborative approach to provide consideration at of how modern technology like wearables, telemedicine, digital health records, and artificial intelligence interact with traditional Ayurveda. The goal of this study was to create a web-based platform that will improve the standard of Ayurvedic care in the Central Province of Sri Lanka. The study covers current issues in the Ayurvedic healthcare system by concentrating on the Central province main 9 ayurvedic hospitals: Palakele, Doluwa, Gelioya, Nildandahena, Panvila, Thanna, North Matale, and Hadaganawa. Additionally, it includes 37 community medical offices and 21 central dispensaries. By using contemporary technologies, the platform aims to enhance medication supply management, expedite patient care, and promote better communication between healthcare providers all of which contribute to the development of an Ayurvedic treatment system that is more responsive and successful.

Keywords: *ayurvedic healthcare industry, patient care, modern technologies*