Smart Ticketing and Seat Reservation System for Sri Lankan Railway

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This system is formulated to overcome the significant flaws in the present scenario and the consequences of traveller ticket buying and seat reservations, which frequently lead to mistakes and long queues. Long queues are a massive issue in the current railway system. The proposed system provides proper solutions for train passengers to make their daily travels easy, and most local and foreign travellers use trains to move to their travel destination. Nevertheless, there are some issues with the current train seat reservation system. The proposed system will be able to give a solution for these issues. The proposed method is an online application that allows travellers to buy ticket seat reservations from their mobile phones. The unique feature of the new proposed self-seat reservation system is that travellers can reserve any number of seats according to their preference. Moreover, in this research paper, we have discussed some solutions for people who cannot use smart phones, and who do not have the technical knowledge to use smartphones and modern technologies. A system dashboard is a separate application of a system used for management system works, reservation and database.

Keywords: *smart reservation, e-ticketing, train ticketing, e-transportation*