

# Stadium Ticketing System (SeTS)

The Stadium Ticketing System (SeTS) is an application system design proposal set to allow for modern day entry into stadiums providing a virtual stadium ticketing management system. In Kenya, there are several stadia namely the Moi International Sports Centre – Kasarani, Nyayo Stadium, City Stadium, Afraha Stadium, and Kenyatta Stadium among many other stadia that host football matches where for the longest time the entry verification mode into the stadium during match days has been through use of manual tickets. Unfortunately, the manual system has developed several problems over the years that have led to long queues, locking out of fans, the death of fans due to a stampede caused by a struggle to gain entry into stadiums, financial losses to clubs caused by untamable fraud amongst other problems. This project proposal is carried out with an aim of automating the manual ticket system and provides an online ticket booking and verification system that holds data ranging from ticketing information to financial and statistical information. In achieving this studies were carried out to collect data about the system and its requirements prior to actual design. The study entailed in-depth interviews; direct observation and a review of online sources to help in the design of the system. SeTS will greatly transform ticket management substantially benefiting clubs leading to financial growth and subsequently improving the fans match day experience. The system proposal provides fans with the capability of finding available match day fixtures, plan ahead by booking on time, reserving a match seat ensuring they never miss out and an automated verification at the gates allowing faster entry. The system maintains up to date information on matches, tickets booked and financial information.

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