Abstract

Saudi Arabia has one of the world's largest vehicle accident death rates. To overcome this, an electronic integrated system was initiated, which contains many components, including surveillance and penalizing systems; however, this system experienced what could be called an extreme system rejection in which some components were hacked, vandalized or even destroyed. To gain an understanding of this issue, the characteristics of the system were studied by modelling them using different theoretical perspectives. In addition, inferential statistics and a branch of data mining (sentiment analysis) were utilized to acquire a clearer insight into the causes. The results of this study include strategic and technological recommendations that could be of use for developers, researchers and decision makers for developing, studying or implementing similar systems.

References


Index Terms

Computer Science
Power Electronics

Keywords
System characteristics, Data mining, Violation systems.