

# Proposing Mobile voting application for Sri Lankan elections in the covid-19 pandemic situation

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**Abstract.** This system is designed to avoid significant flaws in the current situation and to avoid the consequences of voting in the covid-19 pandemic. In this epidemic situation, going to the polls can be described as a gathering of people because that Voters are at a risk. Nevertheless, there are some issues in the current traditional voting system. The traditional ballot paper system comes at a huge cost, the huge amount of time to carry ballot boxes and count them and calculate. The proposed system will be able to give a solution for those issues. The proposed method is a mobile voting application that voters to vote via the mobile application to their respective candidates. As the methodology, analysed literature and used a questionnaire to measure user readiness. According to the questioner many people prefer to vote with a Mobile application. Moreover, in this research paper, the researcher has discussed some solutions for the people who cannot use smartphones and who do not have the technical knowledge to use smartphones and modern technologies. As future works this application can develop furthermore using open CV, machine learning to take this application easier to manage and use.

**Keywords:** *Mobile voting, electronic voting(e-voting), Digital voting*