

# Problems faced by schoolteachers during the Covid-19 pandemic in Sri Lanka and their solutions from an IT perspective

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**Abstract.** With the covid-19 pandemic, the world is facing a challenging situation today. The World Health Organization has also announced this situation as an epidemic. There are various problems in the field of education. Like other countries in the world, Sri Lanka is now locked up. Due to that, these institutions turned to online education in a background where educational institutions such as schools and universities were completely locked down. Students and teachers seem to be facing a lot of problems due to this focus on online education. This study confirms that schoolteachers have many problems during the epidemic and that teacher's awareness of online education is inadequate. The study collected responses by using a Google Form from schoolteachers. This study also shows that teachers have various problems with online teaching and that schoolteachers' knowledge of online education is inadequate. This study discusses 11 factors that contribute to this problem. These problems of teachers are mainly due to the problem of knowledge of English and lack of proper training. This study also found that teachers did not pay attention to the teaching method before the spread of COVID-19. In this study, the teachers accepted every problem collected by the surveyor as a problem they were facing in the online study. Teachers also noted that satisfaction with teachers' online teaching was very low. It was agreed that an answer to this situation should be found as soon as possible. Therefore, when the researcher came up with two short-term and long-term solutions (two software's) that could provide an IT perspective to solve these problems, it was also confirmed by the teachers who participated in the survey. The researcher hopes to describe the qualities and capabilities that two software should have in this study. This study discusses the problems that teachers face in engaging in online teaching with the spread of COVID19 and how to solve those problems from an IT perspective.

**Keywords:** *Covid-19, IT perspective, Online teaching, Problems, School teachers*