ABSTRACT

National Spatial Data Infrastructure (NSDI) is a government organisation which has been established to fulfil the purpose of sharing spatial data among the public and other stakeholders through internet. The vulnerability of cyber-attacks is high on government organisations when considering the developing trends throughout the last few years. The study is focused on analysing the effectiveness of existing cyber security model in NSDI. The researcher used qualitative approach to find the existing cyber security model in NSDI through interviews and quantitative approach to identify the relationship between effectiveness of the existing cybersecurity model and the employee's attitude, skill, knowledge and training. Researcher derived general objective of the research study as to analyse the effectiveness of existing cyber security model in NSDI. It was found that the attitude, skill, knowledge and training of an employee contribute a significant value for the effectiveness of the existing cyber security model and also fund that the liner regression equation for predicting the dependent variable from the independent variables.

Key words: Cybersecurity, Distributed System, Web GIS, NSDI