

# Research Direction for Automated Online and Offline Hiking and Camping Supported Website

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**Abstract.** Nowadays most popular outdoor sport in Sri Lanka is hiking and camping. Both local and foreign visitors love to go on hikes and camping trips to take in the scenery. When camping and hiking, travellers encounter a variety of challenges, including unforeseen bad weather, not knowing how to set up the tent properly, getting sick or hurt, not having enough food, being too cold at night, and not knowing the destination. Need to develop a new automated system in addition to the current one to help travellers in Sri Lanka in order to address the aforementioned problems. According to the survey and analyzing literature the younger age group (18–25) is most likely to enjoy adventure hiking and camping without a guide. There are many difficulties users were experiencing and hearing their opinions on previously used mobile applications and websites. Based on the viewpoint of the traveller, determine the specifications and recommendations for a new system. The new automated system should include a number of additional components, according to the observation of survey results. The new web page suggested alternatives are trail comparison, weather forecasts, date setting, live chat with a guide, choosing locations to rent camping gear, using an online and offline map, utilizing an online map, and near me (location-based search). Then, hikers will have the chance to reduce their numerous issues with choosing a hiking and camping trip, as well as the issues they ran into while hiking. The suggested approach also enables tourists to buy travel-related gear

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