

## **PARKING DEMAND AND SUPPLY BEHAVIOR OF THE USERS IN A HILLY TERRAIN IN BANDARAWELA CITY**

### **ABSTRACT:**

Parking facilities can serve an important role in a city center. Parking demand and supply attribute balance is contributing to the proper traffic management in a city. Bandarawela is a one of major cities in Badulla district with higher topographic variability as the specific attributes to this city. This study has identified several issues that are inheriting to the mountainous topography. Determining the balance of parking demand and supply, most using vehicular modes, type of parking, analyzing the attributes of parking that can be used for future developments in hilly terrain. Series of analysis using statistical analysis techniques is included as the methodology for data analysis. It is expected that the outcomes and recommendations will be useful to predict parking demand and supply behavior of the users in a hilly terrain.

**Keywords:** *Parking Supply Adequacy, Adverse Geography, Hilly Terrain, Vehicle Ownership, Parking type*

