

Rescheduling of Public Transport Along Pyangaun - Lagankhel Route

Abstract— Public Transportation shares significant trips of Kathmandu valley; thus, vehicles scheduling plays vital role in the urban development. Among various routes within Kathmandu valley, 8.78km Pyangaun – Lagankhel was considered as the study area. Mini buses, micro and tempo are the current operating public transport means within the study area; but is not serving the demand effectively. Due to operational delay and lack of proper system characteristics, it is utmost necessary to reschedule the public vehicles within the route. This paper tries to analyze the status quo analysis and rescheduling the public transportation with significant capacity buses so as to reduce the travel time and increases the operating speed. It also provides the headway and frequency of improved public transportation system.

Keywords— *Public Transportation, Frequency, Station, Speed*