



## ABSTRACT

The thesis deals with the identification the passenger transportation .Among all the method of passenger transportations; This research basically focuses on the rail mode from a point of “Accessibility” view as it one of the most important factors which with the passengers take in to consideration in their modal choice for transportation. The main aim of this research is accessibility to ‘Seeduwa railway station’ by analysing the different accessibility factors access time, access cost and access distance of the different access modes of transport to Seeduwa railway station.

Researcher did an investigation for that study area. Researcher examined to understand the level of accessibility and factors of intermodal connectivity, determine most Significant factor influence on accessibility and identify whether the accessibility influence by democratic factor of passenger

Primary data collection was done using a structured questionnaire with the sample of 267 respondents. Questionnaires were distributed among 300 people who are used rail transportation and gained 89% of respondent rate. And also conducted the interviews with the selected population. They are Railway staff, Bicycle motor bike parking providers, Bus drivers and conductors.

To analyse all those data which gathered from survey and interviews, the researcher used these methods. They are Reliability test, Regression analysis, independent sample t-test and One-way Anova analysis.

Through this study it was able to find out the most significant factor influence on accessibility is Time. And also the researcher analysed that most preferred intermodal connectivity is feeder Bus. The reason to choose it, Is easy to access and affordable cost.

**Key words: Passenger Transportation, Accessibility, Regression, Anova**