**STUDY ON DELAY DISTRIBUTION OF TRAINS**

**ABSTRACT**

This Thesis presents the reduction of strength to the Indian railway system by identifying passenger train delay. Now days, not all trains come on time at every station; it may delay anywhere in the given route due to operational problems or due to another train. The current timetable in India of Indian Railways demands dense traffic at various nodes on a network in sections and complex national and international dependencies.

Delay studies are very useful for finding out the efficiency of work, system and other operations. Identifying delay distribution of train is helpful to measure reliability of trains and railway system. Adding more trains to the calendar could cause danger to its stability in delay timings. This analysis is very useful to locate and eliminate some serious disturbances at various locations. A full range analysis of this data can lead to better identification of various delays and analysis their context. Contrast the distribution of arrival and departure timings of the train in different stations by using delay studies.