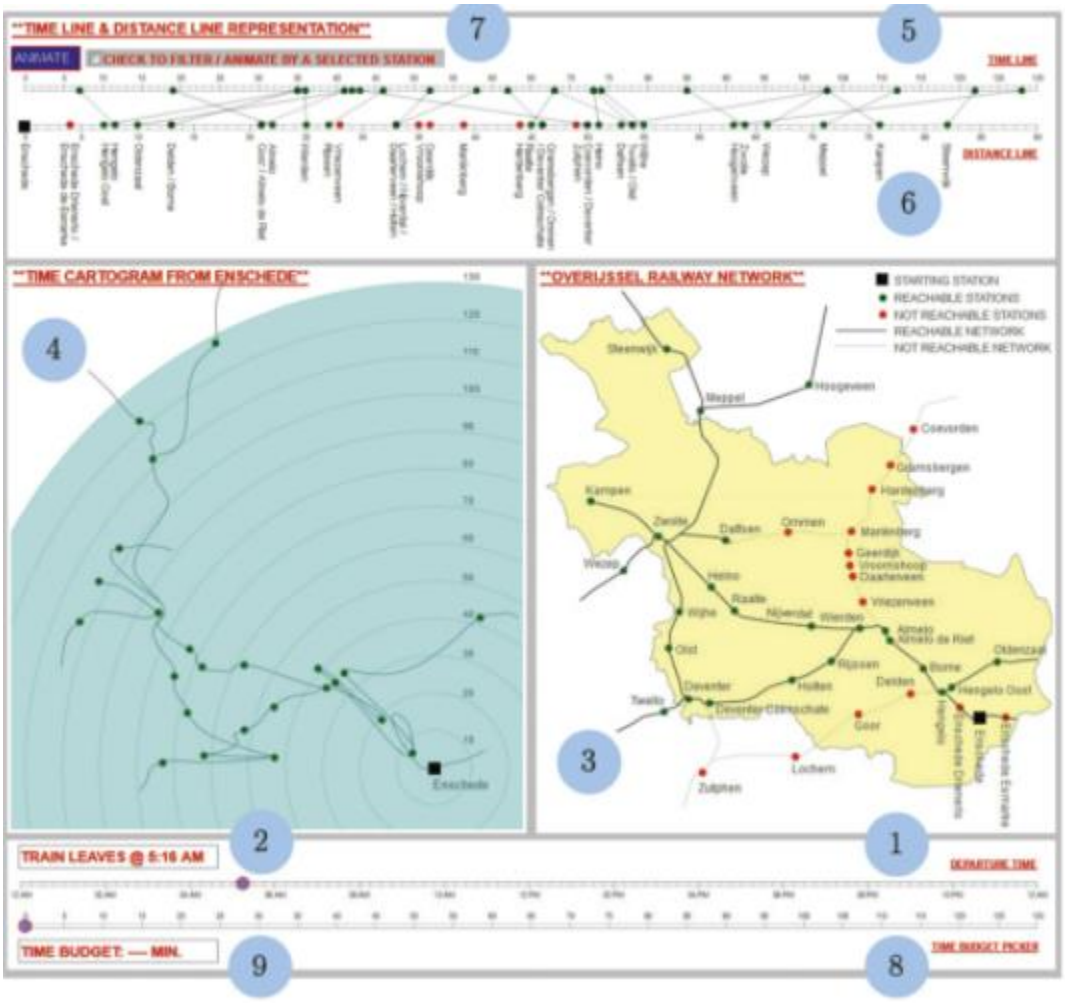
Project Overview:

The majority of people rely on maps to get around. Geographic maps depict the physical distance between two points. These maps might occasionally mislead you about trip times. Due to slower connections, two cities that are physically close to each other may be "far apart" in terms of travel time, while two cities that are geographically distant may be "nearby" in terms of travel time due to quicker connections. In these situations, displaying a transportation network using time as a distance metric might help to make the network more intelligible. Following is the representation of the environment in the web browser.



This study uses an interactive linked-views framework to describe reachability in transportation networks by combining different (carto) visual representations—a distance line, a time line, a time cartogram, a time prism, and a geographic map. D3.js is used to create a prototype in a web environment. Any transport network can benefit from the implementation. The method is demonstrated in this study using train network data from the Dutch province of Overijssel. The solution we provided in this project delivers a unique and informative viewpoint on data analysis. The concept might be used in fields including spatial analysis and transportation planning, in addition to complementing a number of ways for displaying journey durations. I worked on the above project as a final year project (FYP) in my B.Sc Computer System Engineering from University of Engineering and Technology, Peshawar Pakistan.