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CS -D

Software Engineering

Quiz # 1

# Project Name: Metro Bus

# Project Description: Version 2

In the past few years, the number of cars has increased a lot and the current public transportation system is not able to handle the traffic intensity. Traffic jams during peak hours have become common. Moreover, traditional public transportation has become unsafe, especially for women. To facilitate the general public and to reduce traffic problems “Metro Bus” service should be launched in RWP and ISB. The project will consist of a network of 25 km long roads starting from Saddar and ending at the secretariat. It will have special routes and buses that will target common destinations. This will reduce the number of traffic jams and provide a safe and comfortable means of transportation for the general public. It will also be 15000 jobs in different areas. The project will cost around 300 million PKR and is expected to be completed in approximately 2 years. It would facilitate around 300 thousand people daily and generate a revenue of 10 million per week.

Objectives:

1. To provide a safe, comfortable and low-cost means of transportation for the general public.
2. To reduce traffic jams and improve the flow of traffic.
3. To generate revenue.
4. To generate 15000 jobs.

# Project Description: Version 3

Over the past few years, the number of cars has increased exponentially and the current public transportation system is not able to manage the traffic intensity. During peak hours, traffic congestion has become a common problem, and traditional modes of public transportation are increasingly becoming unsafe, particularly for women, who are often subjected to harassment and other security risks while travelling. To facilitate the people and to reduce traffic problems Metro Bus system between Rawalpindi and Islamabad is being proposed. The project will consist of a network of 25 km long roads starting from Saddar, Rawalpindi and ending at the secretariat in Islamabad. The service will feature special buses and routes. The buses will be equipped with state-of-the-art technology to ensure reliable and efficient transportation. This will include GPS tracking and passenger information system. The routes will be comprised of 25 stations spaced 1 km apart from one another. This will reduce the number of traffic jams and improve the flow of traffic during peak hours. The project will cost around 300 million PKR and the completion time of the project will be approximately 5 years. It would facilitate around 300,000 people daily and would generate a revenue of 10 million per week.

Objectives:

1. To provide a safe, comfortable and low-cost means of transportation for the general public.
2. To reduce traffic jams and improve the flow of traffic by providing special routes and buses.
3. To serve 300,000 people daily and generate revenue.
4. To reduce fuel consumption and CO2 emissions.