

## Project 2: Experiencing Trip and Mode Choices

### Route 1: BUET to TSC

Mode: Rickshaw      Alternative Modes: Walking

Distance: 0.69 km	Travel Time: 4 min
Average speed: 10 km/hr	Cost: 43.5 BDT per km per person

#### Rationale for choosing rickshaw:

1. Rickshaws are available near BUET 2<sup>nd</sup> gate.
2. No other mode available except walking.
3. Relatively cheap transport for travelling shorter distances.

#### Travel Difficulties:

1. Limited passenger capacity

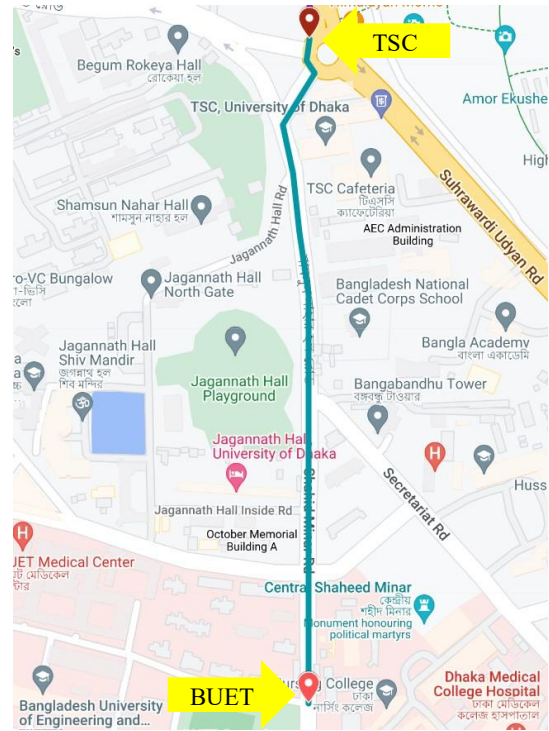


Fig: Route 1 from BUET to TSC



Intersection



Smooth and free road



TSC

Fig1: Surrounding condition on the way from BUET to TSC

## **Route 2: TSC to Shahbag**

**Mode:** Walking      **Alternative Modes:** Rickshaw

Distance: 0.55 km	Travel Time: 9.5 min
Average speed: 3.4 km/hr	Cost: 0 BDT

### **Rationale for choosing walking:**

1. Shahbag is almost within 0.5 km from TSC which is a 5-minute walking distance
2. Wide footpath beside Dhaka University area

### **Travel Difficulties:**

1. Broken, uneven and discontinuous pedestrian way
2. The footpath was also found unpaved in some of the places
3. Construction materials such as cement, sand, pieces of brick and garbage were left beside the footpath
4. An unused bus stoppage was found on the footpath which is not functioning anymore
5. In some parts of the footpath, most of the spaces were illegally occupied by hawkers

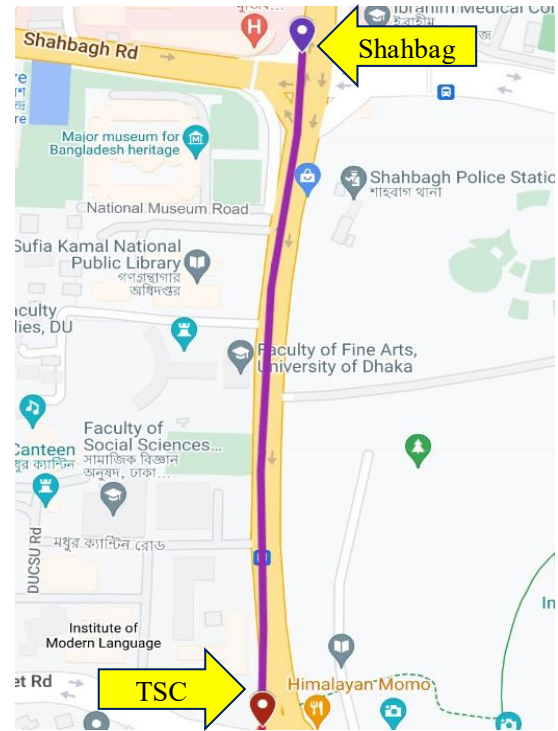


Fig2 : Route 2 from TSC to Shahbag



Paved part of footpath



Unpaved part of footpath



Wastes are left here and there



Unused bus stoppage



Illegal stalls



Foot overbridge



### **Route 3: Shahbag to Farmgate**

**Mode:** Bus    **Alternative Modes:** Rickshaw, CNG

Distance: 0.73 km	Travel Time: 19.2 min
Average speed: 2.3 km/hr	Cost: 7 BDT per km per person

#### **Rationale for choosing bus:**

1. A plenty amount of buses were available at Shahbag
2. Cheap transport
3. Very little waiting time
2. Wide footpath beside Dhaka University area

#### **Modal Exchange Issue:**

We had to cross the main road by foot-over bridge to access the bus stoppage, which required 2 minutes.

#### **Travel Difficulties:**

1. There is no designated bus stoppage. So, waiting on the main road to ride a bus is not safe.
2. The bus was carrying passengers out of capacity
3. Sellers of water bottle and other unhygienic food were selling and making noise
4. Broken hanging supports
5. Taking of passengers in a moving bus which was so risky

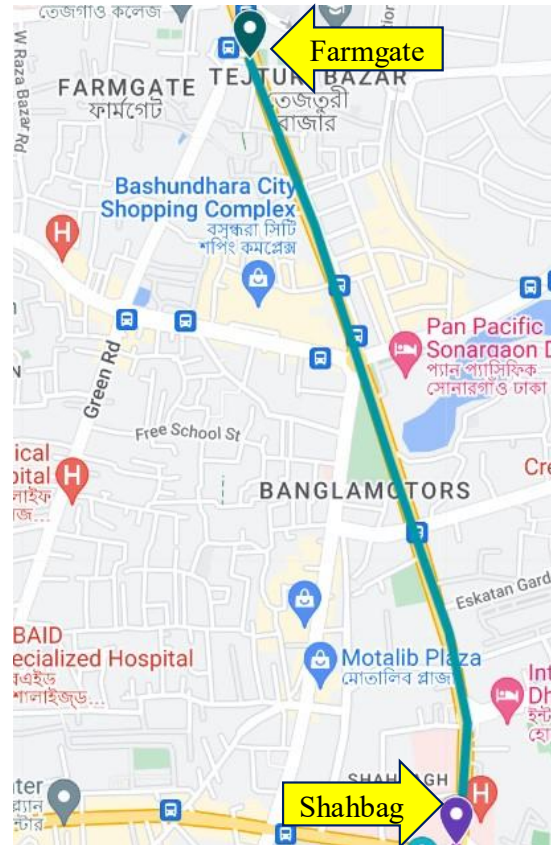


Fig3: Route 3 from Shahbag to Farmgate



Way to bus stoppage



Passengers out of capacity



Sellers on bus



Broken hanging supports



Risky taking of passengers



Bus stopping site

## Route 4: Farmgate to Satrasta Bus Stoppage, Tejgaon

Mode: Rickshaw Alternative Modes: CNG, Walking

<b>Distance:</b> 1.15 km	Travel Time: 8 min
Average speed: 8.4 km/hr	Cost: 35 BDT per km per person

### Rationale for choosing rickshaw:

1. Rickshaws were available at where?
2. Relatively cheap transport for travelling shorter distances

**Modal Exchange Issue:** It was needed to cross a longer distance to access another mode which required 6 minutes.

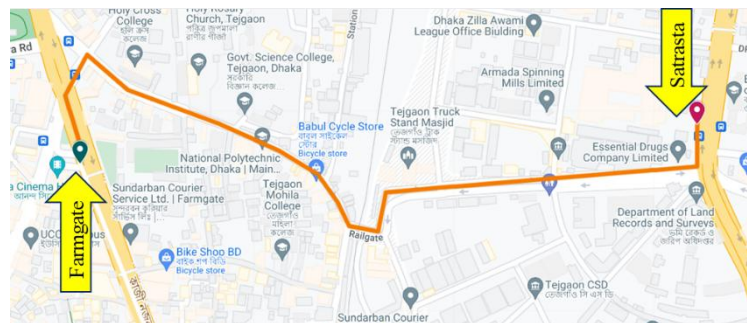


Fig 4: Route 4 from Farmgate to Satrasta Bus Stoppage

### Travel Difficulties:

1. Had to travel a long distance to find a rickshaw stand
2. Road was broken and was in a water logged condition, that's why we had to face difficulties while riding on rickshaw
3. We had to face bad odor because of dumping waste beside road
4. Construction of an elevated expressway on the road made the road risky to use



Way to rickshaw stand



Water logged road with holes



Risky construction on road