

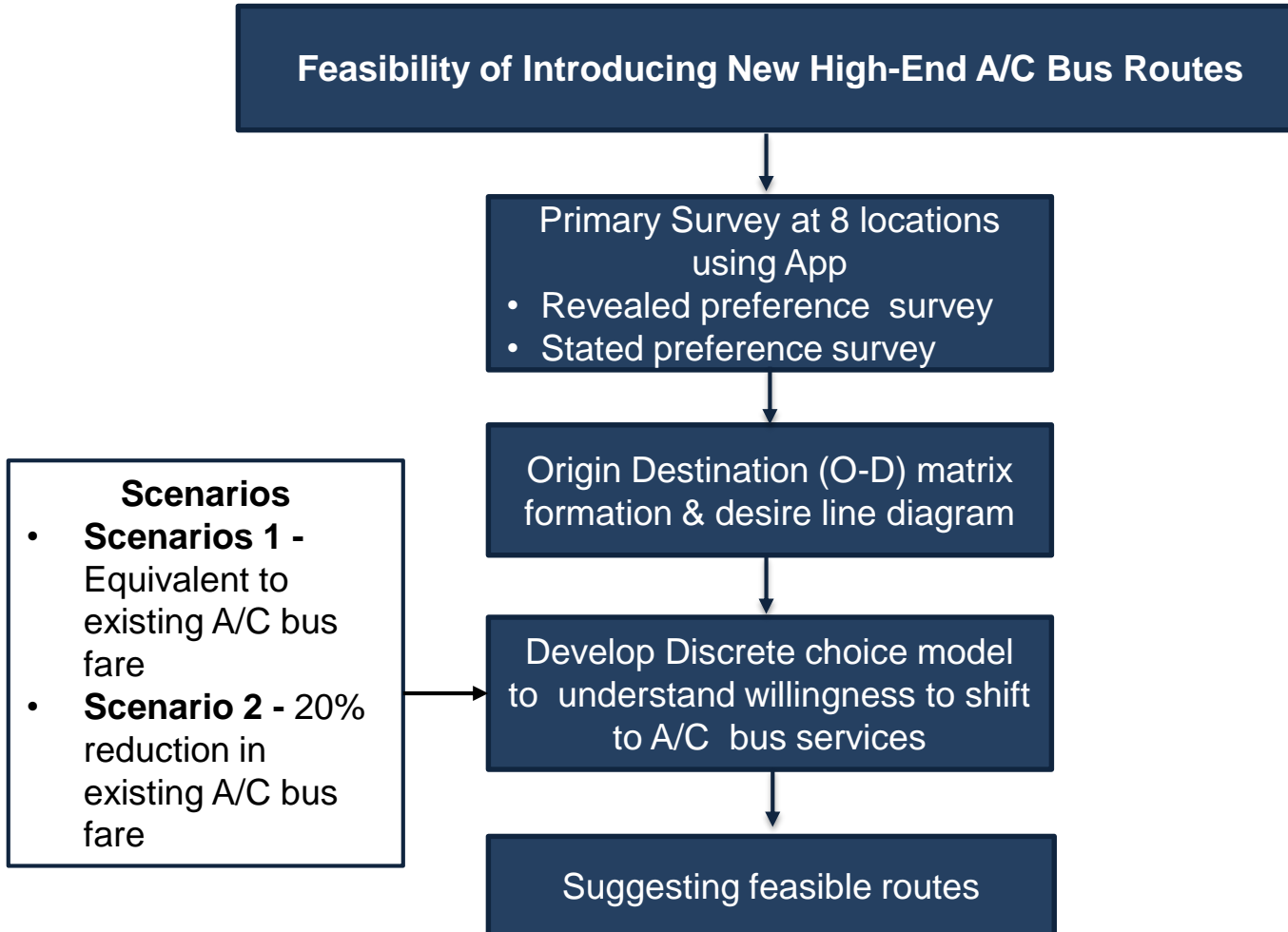


Feasibility of Introducing New High-End AC Bus Routes

Objectives

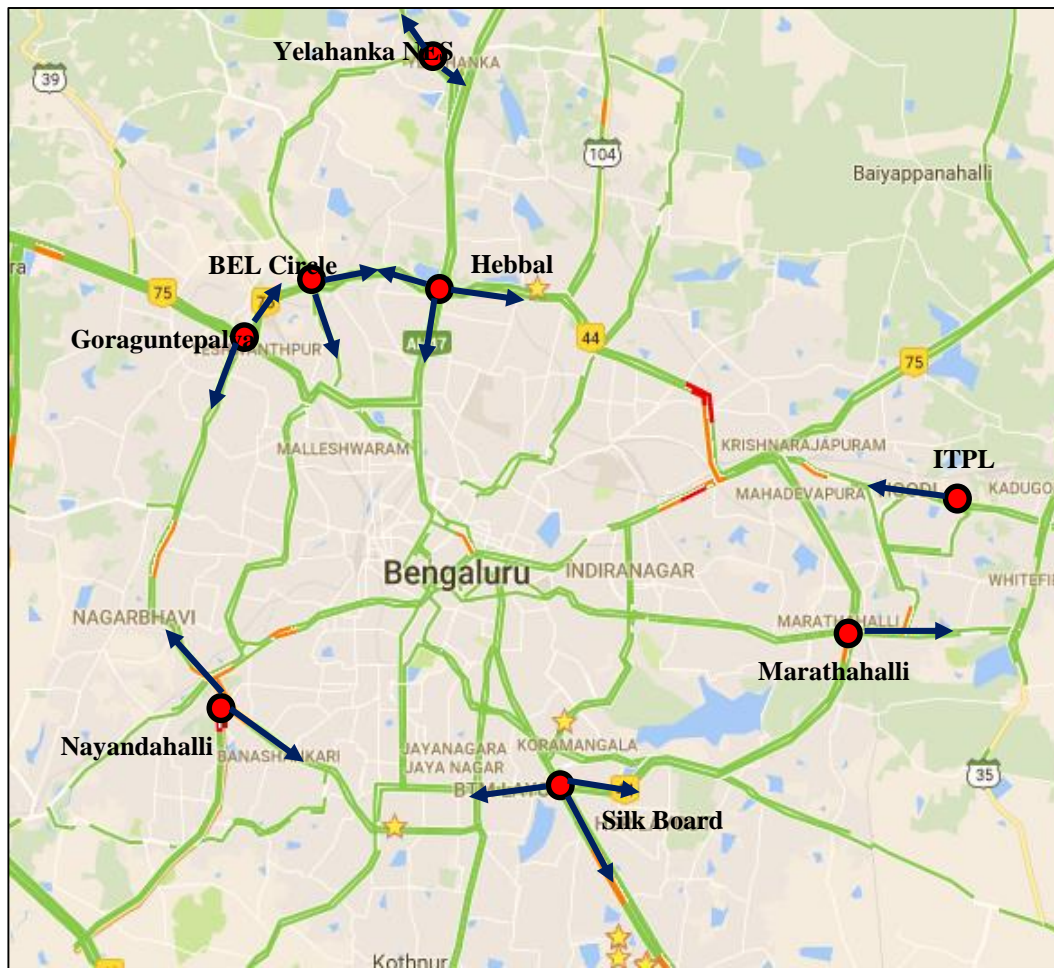
- To determine the feasibility of introduction of new A/C bus services along important corridors
- To identify the feasible directions for operation of A/C bus services.

Methodology



Survey Locations and Sample Size

Type of Survey	No. of Locations and Sample Size	Mode of Data Collection	Date of Survey
Commuter opinion survey	8 Locations 6,730 Samples	Open Data Kit (ODK) App based survey	20 th February - 28 th February 2018



App Interface for Survey

12:23 PM 6.67KB/s 69%

Willingness to...

What is the mode of travel

BMTC bus

Private Bus/Tempo Traveller

Cab/Taxi

Auto

Private Car

Bike/Scooter

Others

2:28 PM 0.71KB/s 62%

Willingness to...

Travel Info

Total travel time(Including waiting time) (Min)

40

Travel distance(km)

7

Total travel cost (INR)

200

App Interface for Survey

12:25 PM 0.00KB/s 69%

Willingness to...

Willingness to shift to "AC Bus"

Current Mode Travel Time (Min)
40

Current Mode Travel Cost (INR)
200

Scenario 1

AC Bus Travel Time (Min)
49

AC Bus Travel Cost (INR)
30

Your Choice Current Mode AC Bus

12:25 PM 0.00KB/s 69%

Willingness to...

Willingness to shift to "AC Bus"

Current Mode Travel Time (Min)
40

Current Mode Travel Cost (INR)
200

Scenario 2

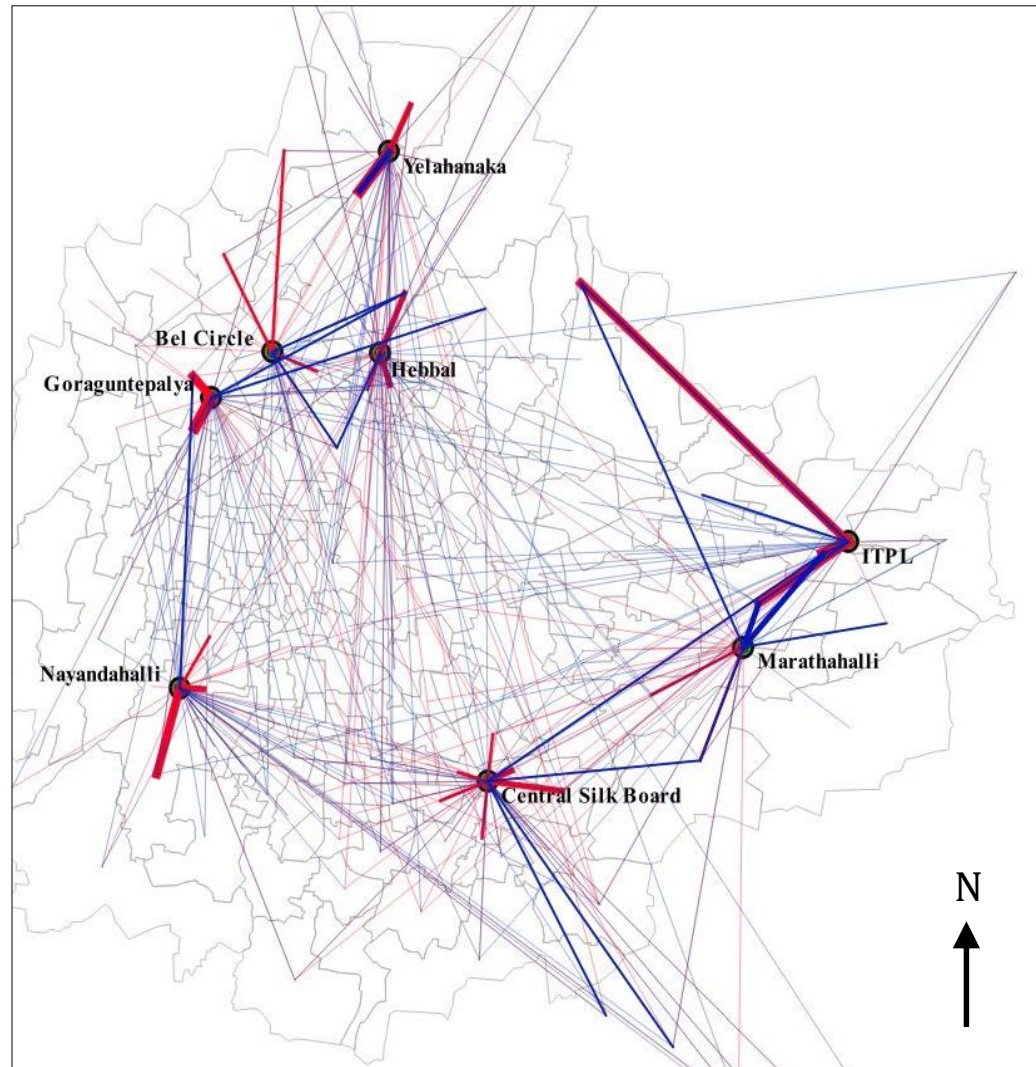
AC Bus Travel Time (Min)
49

AC Bus Travel Cost (INR)
23

Your Choice Current Mode AC Bus

Origin - Destination Desired Lines

All locations



Origin trip - to survey location
Destination trip - from survey location

Mode shift analysis performed at locations with significant number of trips.

Potential directions identified.

Legend

Desire Lines: Origin - Survey Location (No.of Trips)

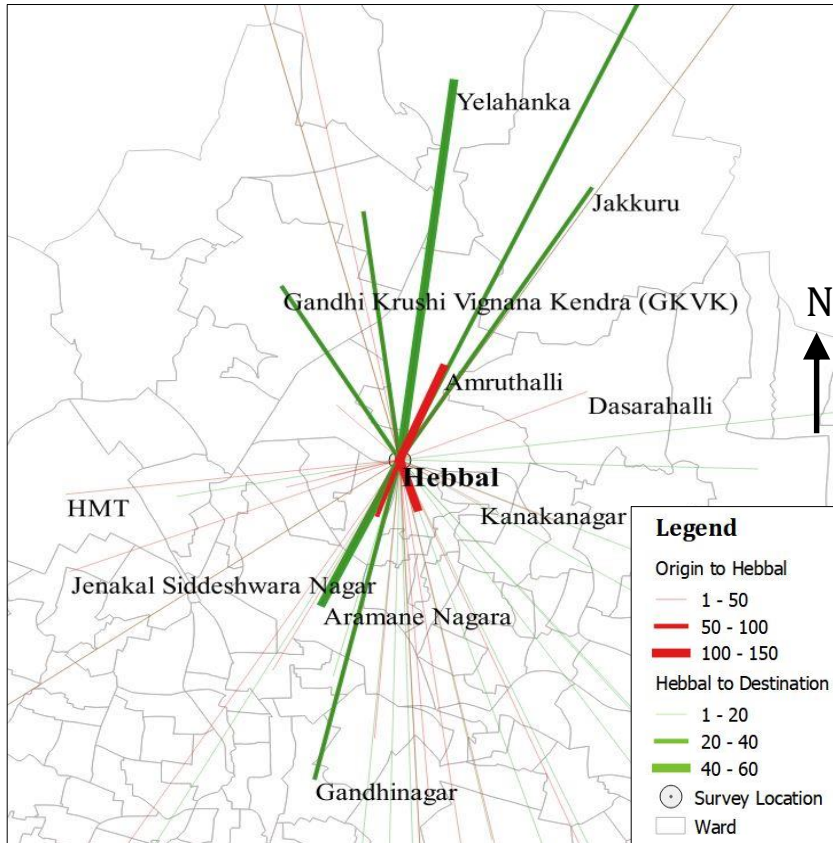
- 1 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 300

Desire Lines: Survey Location - Destination (No.of Trips)

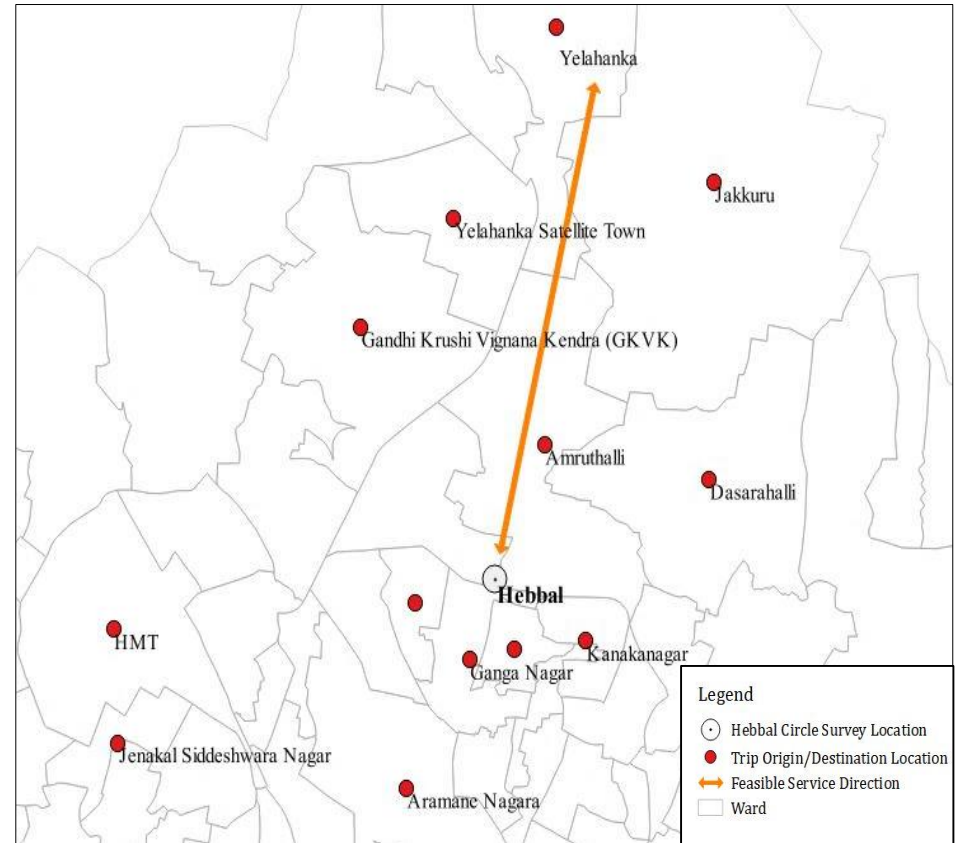
- 1 - 50
- 50 - 100
- 100 - 150
- Survey Location
- Ward

Potential Direction for AC Bus Services

Hebbal



Origin - Destination Desired Lines



Feasible Direction of New A/C Bus Services

Findings and Recommendations

Findings

- ~25% - willing to shift to A/C bus services from:
 - Autos - 8-9%
 - Two wheelers - 6-7%

Recommendations

Potential directions for introduction of A/C bus services:

BEL Circle – Attur Layout – Yelahanka

Hebbal – Yelahanka

Yelahanka - Amrutahalli – Hebbal – BEL Circle – HMT Layout.