Here are a couple of sources of information about the existing BMTC system.

## 1) http://www.mybmtc.com

This website provides the timetable of the general, air-conditioned and special bus services. The time table of a bus service gives the following information about every route it covers:

- an alphanumeric route number which is displayed on every bus running on the route
- end_bus_stop1, end_bus_stop2
- departure time instant from end_bus_stop1, arrival time instant at the end_bus_stop2
- departure time instant from end_bus_stop2, arrival time instant at the end_bus_stop1
- journey distance
- journey duration
- list of bus stops in the route

The data looks as follows:

| Route Information | Departure From Origin | Arrival at Destination | Departure From Destination | Arrival at origin |
|---|---|---|---|---|
| **Route NO:** 1<br>**Origin :** Jayanagara 9th Block<br>**Destination :** Yeshwanathapura new railway station<br>**Journey Time :** 01:25 Min.<br>**Journey Distance :** 19.6 KM<br>View All Bus Stops   View Map | 07:35, 08:15, 08:55, 10:40, 11:20 12:00, 13:20, 14:00, 14:40, 16:25 17:05, 17:45 | 08:50, 09:30, 10:10, 11:55, 12:35 13:15, 14:35, 15:15, 15:55, 17:40 18:20, 19:00 | 08:55, 09:35, 10:40, 12:00, 12:40, 13:20, 14:40, 15:20, 16:25, 17:45, 18:25 | 10:10, 10:50, 11:55, 13:15, 13:55, 14:35, 15:55, 16:35, 17:40, 19:35, 19:55 |

The above data is available in the form of HTML web pages from http://www.mybmtc.com. Required data can be extracted from the pages.

## 2) http://bmtcroutes.in

The web application takes the source and destination bus stops of a passenger as its input and returns the routes (route number) that pass through both bus stops. The passenger may board a bus bearing one of the route numbers at the source bus stop and the bus will take him/her to the destination bus stop. The web application also has the feature to find all bus stops in the vicinity of the passenger's location which he has to specify manually on the displayed map. (Android and iPhone versions of this application are also available here.)

http://www.mybmtc.com has a trip planner which functions similar to http://bmtcroutes.in described above.

Both web applications above use the Google Maps APIs. The first of the two websites above is more useful for our purpose as it provides the complete (static) bus schedule information on all routes.