

# BIIT MAPS

## IITB maps

### User Manual

1. [Introduction](#)
2. [Features](#)
3. [Concept](#)
4. [Manual](#)
5. [Developers](#)

## 1. Introduction:

This program aims to solve the problem of finding the most fast and suitable way to travel within IITB.

It also packs a bunch of features to make it more useful companion for travelling.

## 2. Features:

It features some essential tools for a map:

- Find Directions  
(and sorted according to means of transport and distance)
- Find and shows relative position between any two land marks

It also features some custom features tailored to suit the needs:

- Tum-Tum timings and routes
- It features 3 modes of transports:
  - on foot,
  - cycle,
  - Tum-Tum

### 3. Concept:

The program takes in a map (north placed in top and east on right) in the form of an array, legends, and processes it to give directions and find the way.

It uses its algorithms to find the shortest path, relative position and alternate ways.

### 4. Manual:

Initially the program will ask you what you want to do?

- Seek directions  
This feature gives step by step directions for travelling between the two given points.  
Program will ask you to input starting location.  
Look around; name the first landmark you see as the starting location.  
Then program will ask you to type the destination (if you don't know what inputs are or if you are puzzled we display a "List")  
It will ask you to input the means of transport: reply by "walk" or "road" as you want.  
The program will then find the possible way (via given transport)

- Find  
This feature give the relative location of any place you enter with respect to any reference point (you can enter your current location or any other place mark as this reference point)
- Nearest land marks  
This feature finds the nearest 3 landmarks to any given location.
- Tum-tum  
It shows the list of tum-tums from one place to another, along with official time of departure.
- Miscellaneous  
Hangout selector: can't decide a place to hang-out?  
This app has a random hangout selector. Let it choose a random place to hangout.  
It takes in current date+time (system's date & time) (type "current" in input feild) or user entered date time in ddmmyy then hh:mm  
Help: if you cannot figure out what the selected feature does just type "Help" in any response feild available.

## 5. Developers:

Chetan Singh  
Deepak Kinra  
Sheetal Jain (Capt.)

This is made using the Programming Language C++ in Code::Blocks.

## Revision History

Date	Description	Author	Comments
11-10-2014	V 1.0	Chetan Singh	Content, formatting
12-10-2014	V2.0	Sheetal Jain	Revision
23-10-2014	V3.0	Sheetal Jain	Corrections