

Wayfinding Project Report

In Collaboration with Assistech Lab, Indian Institute of Technology, Delhi.

Progress over the last one and half month

- Survey of college building
- Digital Mapping of Ground floor
(Click here for demo <http://inclunav.apps.iitd.ac.in/exibition/> and select Kamala Nehru College)
- Identification of sensor position
- Order placement of sensors/beacons
- Static navigation page
(Click here for demo)
<https://inclunav.apps.iitd.ac.in/innav/wayfinding?KamalaNehruCollege>

Our tentative plans for next one month include

- Mapping of remaining floors (10th April)
- Deployment of the beacons/sensors (20th April)
- Testing of indoor navigation system (30th April)

Wayfinding Project Student list

S.NO.	Name of student	College Roll no,	Course
1.	Akriti Singh	20/419	BA(H) Geography Semester 4
2.	Muskan	20/440	BA(H) Geography Semester 4
3.	Nidhi Deswal	20/455	BA(H) Geography Semester 4
4.	Shreya Biswas	20/407	BA(H) Geography Semester 4
5.	Aarshiya Manchanda	20/484	BA(H) Geography Semester 4
6.	Sahana Das	20/392	BA(H) Geography Semester 4

A brief report on Progress of Kamala Nehru Wayfinding Project

Objective: Proposal for the design and implementation of Indoor Navigation Assistance Solution to be implemented at Kamala Nehru College Campus, University of Delhi.

Key milestones in the project are,

1. Physical site survey (Ground and first floor completed)
2. Data collection and floor-plan refinement (Ground and first floor completed)
3. Digital mapping and map data rendering (Ground floor completed, first floor in development)
4. Hosting of digital map (Ground floor completed, first floor in development)
5. Beacon placement and calibration (Ground floor completed, first floor in planning)
6. Functional testing (Ground floor on going)
7. Validation trials with users (Planned after 1st floor beacons deployment)

(1 and 2) Physical site survey and data collection:

We survey Kamala Nehru College to understand the spatial constraints for wayfinding and accessibility. We [collected data](#) and also identified the physical vs digital map refinements.

(3 and 4) Digital mapping and map data rendering:

