



## CP 302 – CAPSTONE PROJECT PRESENTATION

### Signage Model of IIT Ropar

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# INTRODUCTION



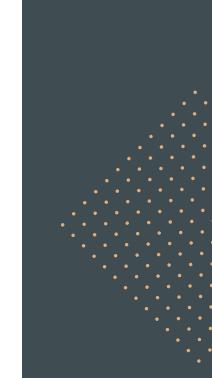
## What is a Signage Model ?

A signage model of a place refers to the design and implementation of signage within a particular location, such as a building, campus, or public area. Signage serves as a visual communication tool to provide information, guide people, and enhance the overall user experience within that space.

### Uses

- Information Dissemination
- Wayfinding
- Safety and Compliance
- Accessibility
- Enhancing User Experience
- Aesthetic Integration

# OBJECTIVES



- Provide clear and effective navigation guidance to help individuals locate desired destinations within the college campus.
- Convey relevant information such as names of blocks, hostels, departments, sports complex etc within the campus.
- Communicate safety information and compliance regulations, including fire exits, hazardous areas, speed limits, breakers, turnings, parking lots etc .
- Create a positive user experience by reducing confusion and frustration through clear, concise, and well-placed signage.
- Design signage models to be adaptable and scalable to accommodate changes in the environment or user needs over time, using modular systems that can be easily updated or expanded.

# 1- Speed Breakers in IIT Ropar

- Speed breakers, also known as speed bumps or speed humps, are physical traffic calming devices designed to reduce the speed of vehicles. They are typically constructed in the form of raised sections of pavement across roadways, forcing drivers to slow down as they pass over them

## Needs

- Safety Enhancement
- Traffic Calming
- Pedestrian Safety
- Compliance with Speed Limits

## SPECIFICATIONS

### Where do we need Speed humps ?

- Academic zone
- Faculties/Staffs residential zones
- Hostels zone
- Sports complex

### Main focus :

- Breakers at the effective places with more traffic
- Min. numbers of Speed Breaker

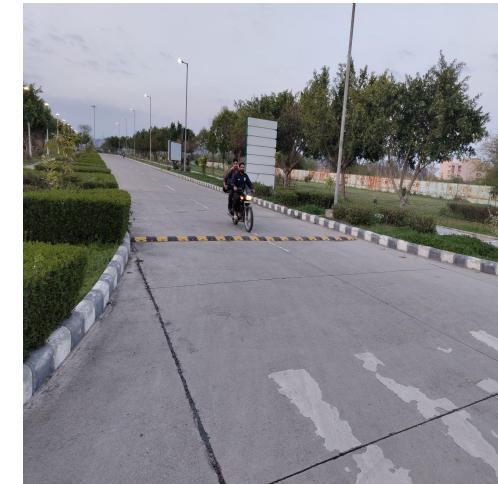
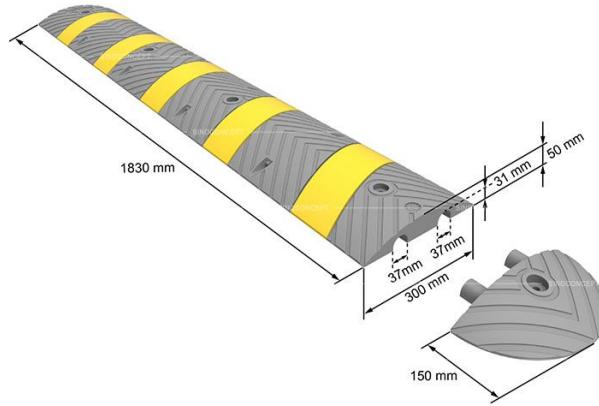
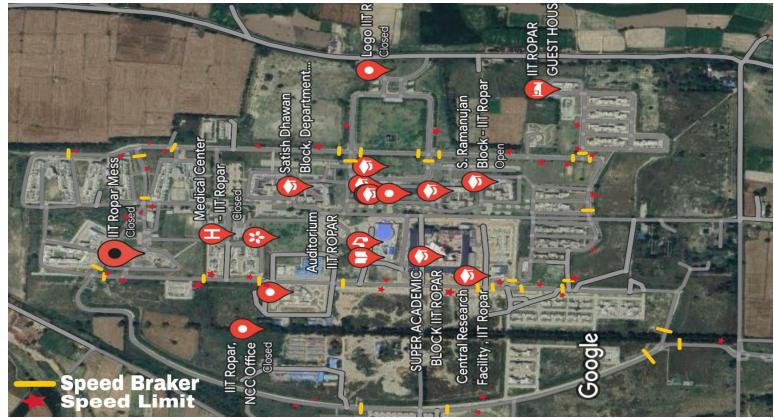
### Materials :

High-density polyethylene (HDPE)

### Properties of materials :

- Durability
- Weather Resistance
- Lightweight
- Ease of Installation
- Cost-Effectiveness

# PLANNING OF BREAKERS



## 2- PARKING LOTS NEAR SAB

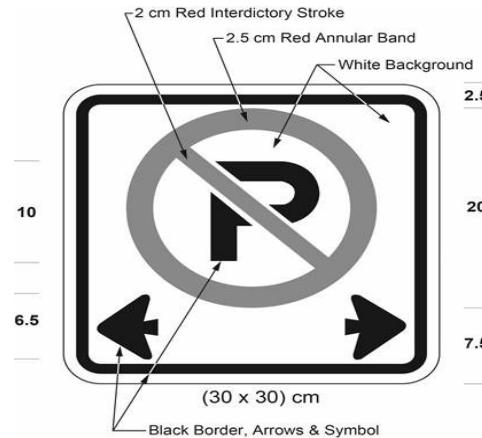
- A parking lot, also known as parking garage, is an area designated for parking vehicles. It serves as a space where vehicles can be parked temporarily while their drivers engage in various activities nearby.

### Needs

- Vehicle Storage
- Convenience
- Safety and Security
- Traffic Management



**Residents  
parking  
only**



# PLANNING OF PARKING LOTS



### 3- Fire Exit Signage in SAB

- A fire exit is a designated and strategically positioned route within a building or structure that is specifically designed and marked for use during emergencies, particularly in the event of a fire.

#### Needs

- Evacuation Safety
- Life-Saving
- Visibility and Signage
- Preventing Panic
- Emergency Response



Down and right from here



Down and left from here



Up and right from here



Up and left from here



Straight on from here: Or,  
straight on and up from here



Down from here



Right from here



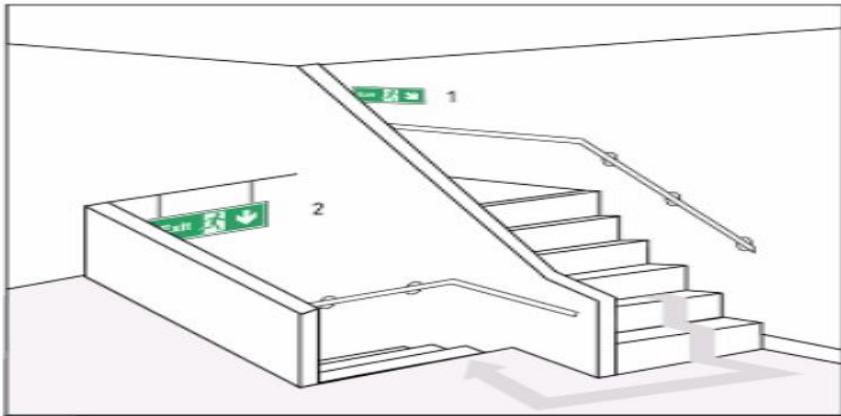
Left from here



Final fire exit

#### Fire Exit symbols and their location

# FIRE EXIT IN SAB



## 4– Numbering of Rooms in SAB

Review full extent of building and spaces that need to be numbered.

Select primary entry floor

Number rooms starting at the earliest point of entry to the floor in ascending order.

### Structure of Room Nomenclature

#### Blocks

- A- Right side of main entry gate
- B- Left side of main entry gate
- C-In front of main entry gate

#### Codes

- AHU- Air handling unit
- ER - Electrical Room
- NR - Network Room
- LS - Lift Room

A-213

Block A

First floor

AHU-A213

Room type

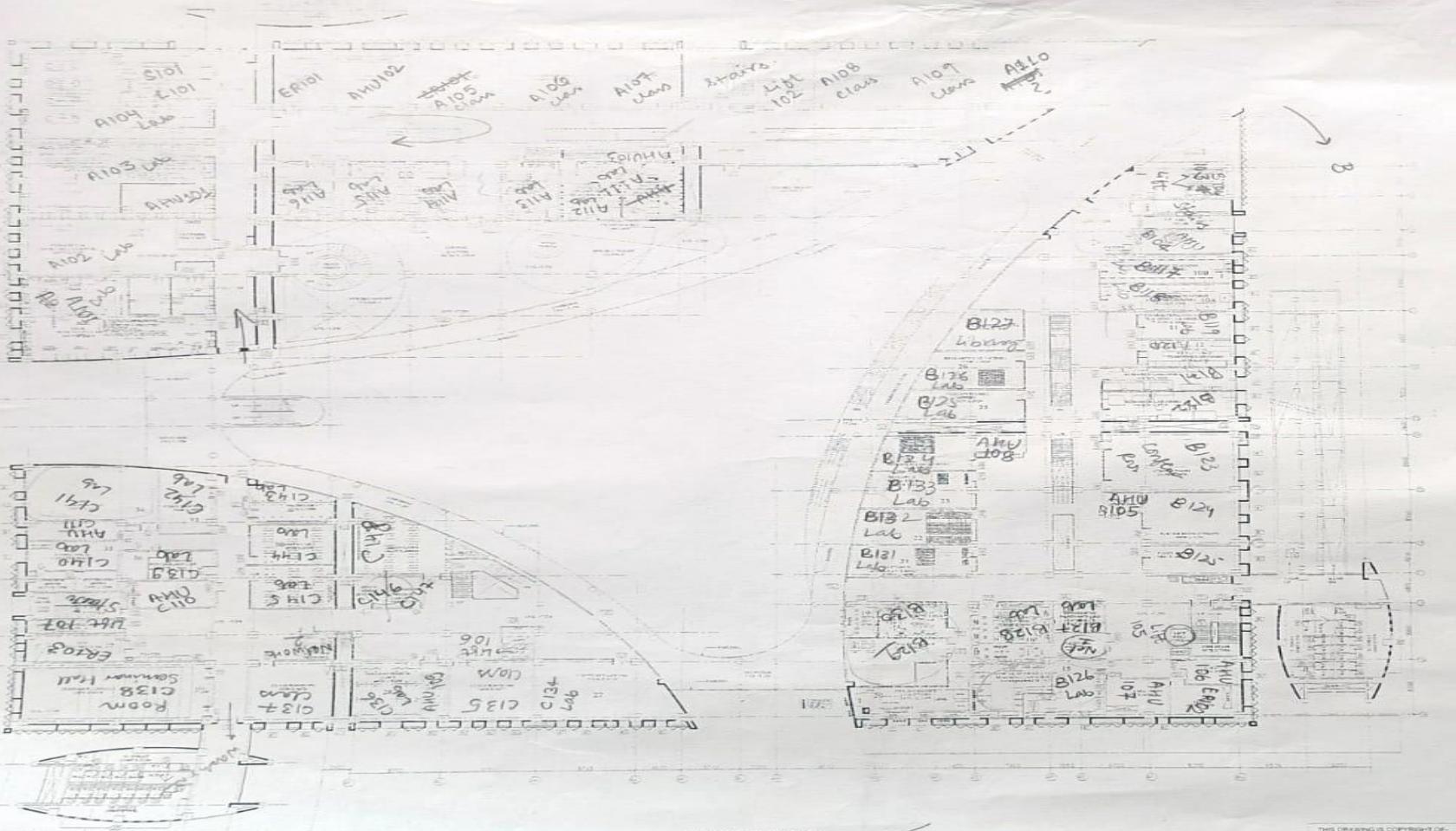
Block A

First floor

#### Numbering

- 001 & above- Ground Floor
- 101 & above- First Floor
- 201 & above- Second Floor
- 301 & above- Third Floor
- 401 & above- Mezzanine Floor

## **Numbering of rooms on map**



## 5- Name Plate in SAB

### USES

1. Identification
2. Professionalism
3. Courtesy
4. Privacy

### Material

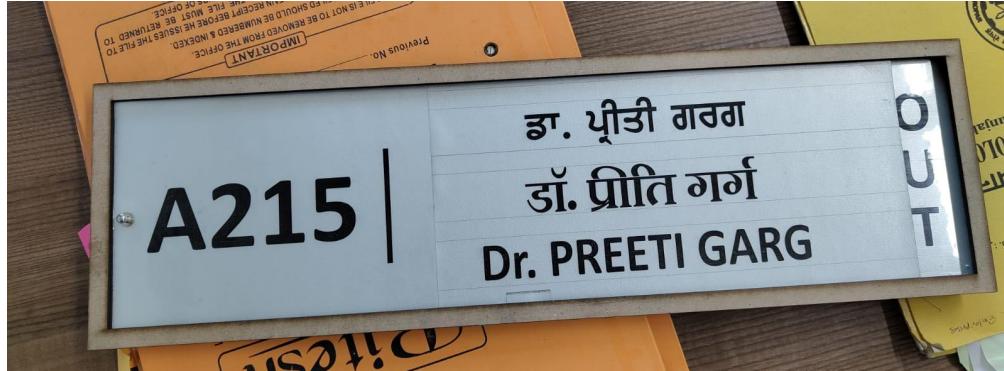
Acrylic

### Language

हिन्दी, English , ਪੰਜਾਬੀ

### Font

Arial ,Roboto



### QR

It will contain details about the professor

<b>Group Member</b>	<b>Contribution</b>
Archit Shakya (2021ceb1011)	Survey ( Breaker,parking Lot, Fire Exit ), Room Numbering (1st, 2nd Floor)
Deepika Upadhyaya (2021ceb1017)	Survey ( Breaker,parking Lot, Fire Exit ), Room Numbering(Ground,1st, 2nd Floor)
Himanshu Kumar (2021ceb1024)	Survey ( Breaker,parking Lot, Fire Exit )Room Numbering (1st, 2nd Floor)
Rishikesh (2021ceb1028)	Survey ( Breaker,parking Lot, Fire Exit )Room Numbering (Ground, 3rd, Mezzanine Floor)
Tanmay Singh (2021ceb1031)	Survey ( Breaker,parking Lot, Fire Exit ))Room Numbering (Ground, 3rd, Mezzanine Floor)

# CONCLUSION

Based on the various surveys and analyses conducted for the signage model, it's evident that attention to detail in aspects of works done. These elements not only streamline navigation but also ensure compliance with safety regulations and standards. As a result, the comprehensive approach taken in this capstone project underscores the importance of effective signage systems in optimizing operational efficiency and ensuring the well-being of occupants. Moving forward, continued maintenance and periodic reassessment will be crucial to sustain the efficacy of these signage solutions.

# REFERENCES

- <irc.gov.in.099.1988.pdf>
- <no-parking-sign.html>
- <https://www.moglix.com/safety-and-security/traffic-safety/speed-breakers-bumps/116241300>

# Thank You !

