



# CONTINUUM

Connecting the broken chain



CENTER FOR  
THE LIVING CITY

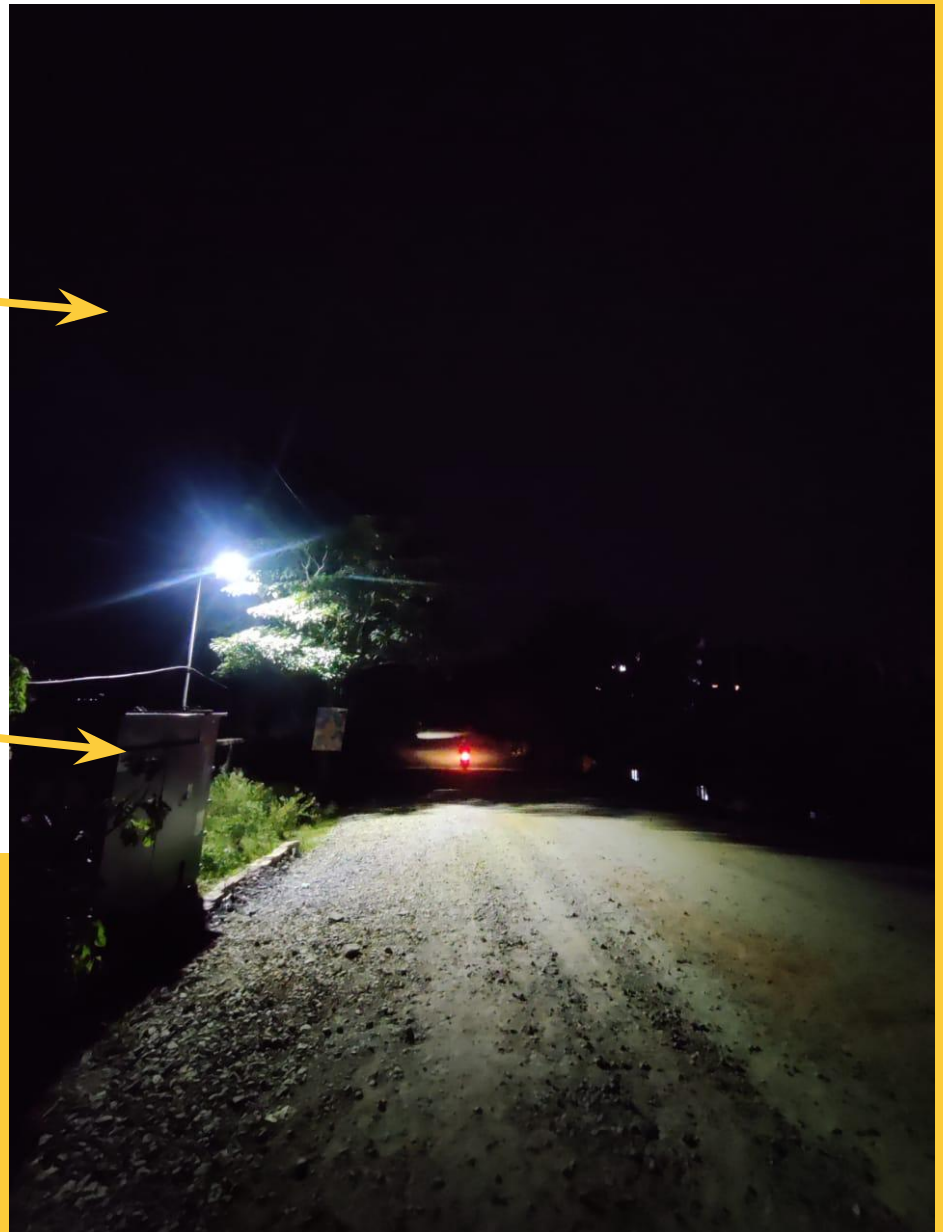
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# Problem identified

The area surrounding the campus, outside its walls is vaguely divided into multiple hubs by function and these areas see more footfall compared to the other areas in the locality, but the problem lies in the roads connecting these hubs. During the day, these roads may be seen as normal semi-urban streets around an educational institution but as it gets darker these roads get a little scarier for the students to venture out alone. There might be couple of street lights along the way but it doesn't solve the eeriness of the cold, dark stretches, devoid of any light. Plus, areas lose continuity at regular intervals and students need to walk these very roads for basic necessities. Hence, it is a problem we as students find to be the greatest concern at the moment.

Dark streets makes it inconvenient for the students and residents alike.

The discontinuity between two busy areas of the locality makes it difficult to avail facilities that are available in the other side





# TIMELINE

We divided the **1.6 km** stretch between Achith Nagar and Acharya hostels based on its activity levels and footfall throughout the day. Hub 1 refers to Achith Nagar which is dominated by student settlement (also known as Acharya cottage) apart from it the area also serves as a residential area. Hub 3 is the hostel area of the institution and hence has a huge student population. This brings us to hub 2 which connects hub 1 and hub 3. Hub 2 is what we call the discontinued zone and is what we will be focusing on in this project.

Given below is a representation of the hubs at different time periods of the day.



- LEGEND:**
- Residential area
  - Commercial area
  - Acharya institutes
  - Vegetation
  - Project Site Area
  - Hub 1- Achith nagar
  - Hub 2- Discontinued space
  - Hub 3- Acharya Hostel to Auto stand

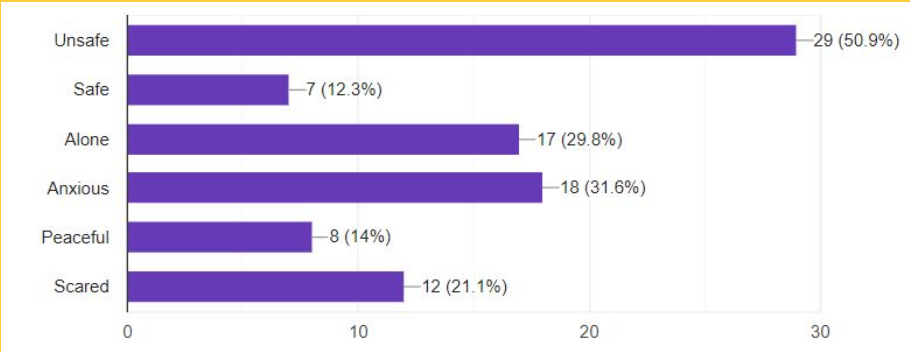
Site stretch- 1.6 KM

LANDUSE MAP

## KEY MAP

LOCATION	7:30 AM-12:00 PM	12:30 PM-5:30 PM	6:00 PM-9:00 PM
HUB 1			
HUB 2 (DISCONTINUED SPACE)			
HUB 3			

A **survey** was conducted and it was seen that negative adjectives were chosen in the majority of the responses when asked to describe the street connecting the hubs.



Most of the responses highlighted how according to them the lack of ample lighting makes them feel like the area is unsafe. When asked to list out the positives and negative of the area considered, these were the responses we got:

No street lights

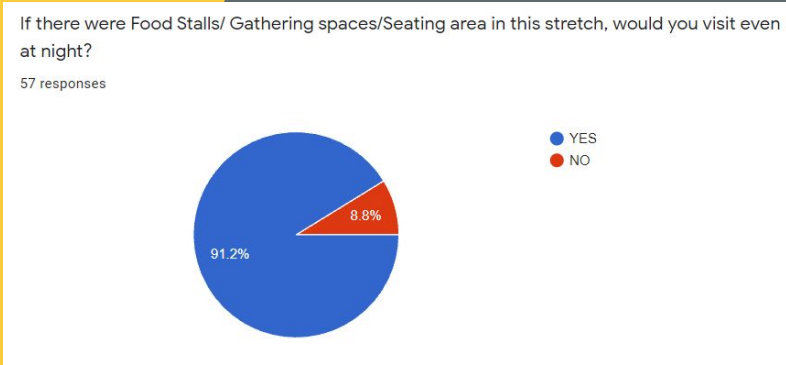
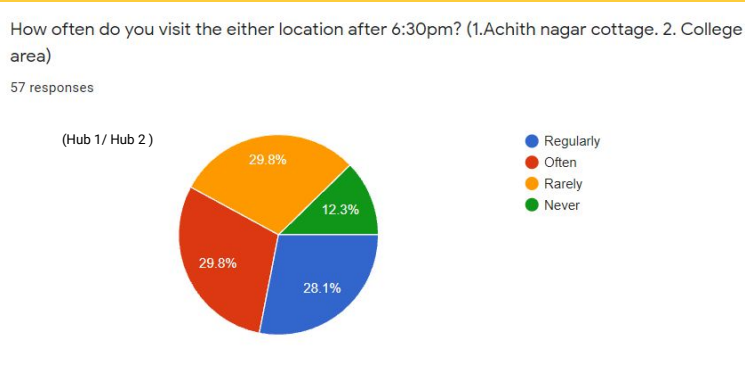
Less traffic, no street lights, no separation between pedestrian zone and vehicular road, No commercialization, Green walkways with enough trees, no garbage management

The road doesn't have enough street lights with almost no shops making the it dark and scary for a person to walk alone at night.

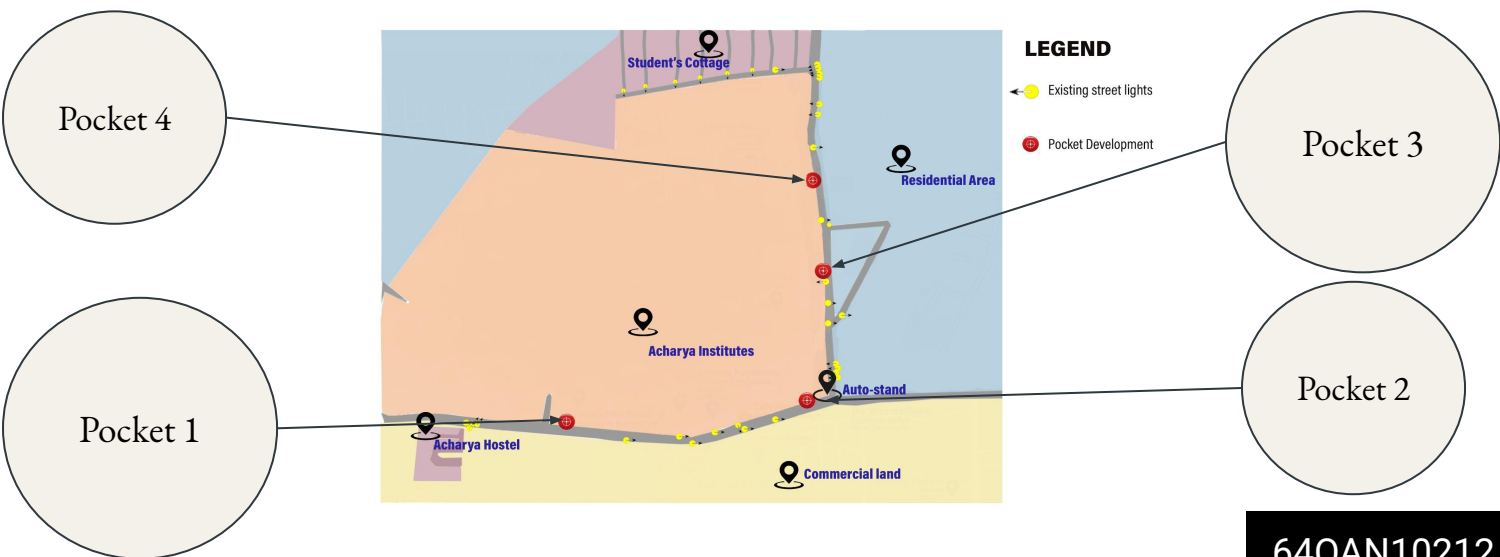
Not much positives, and there have been many thefts in this particular area.

Lack of street lights

We looked into the amount of people who access the space and tried to check the type of response we'd get from the consumers in that area



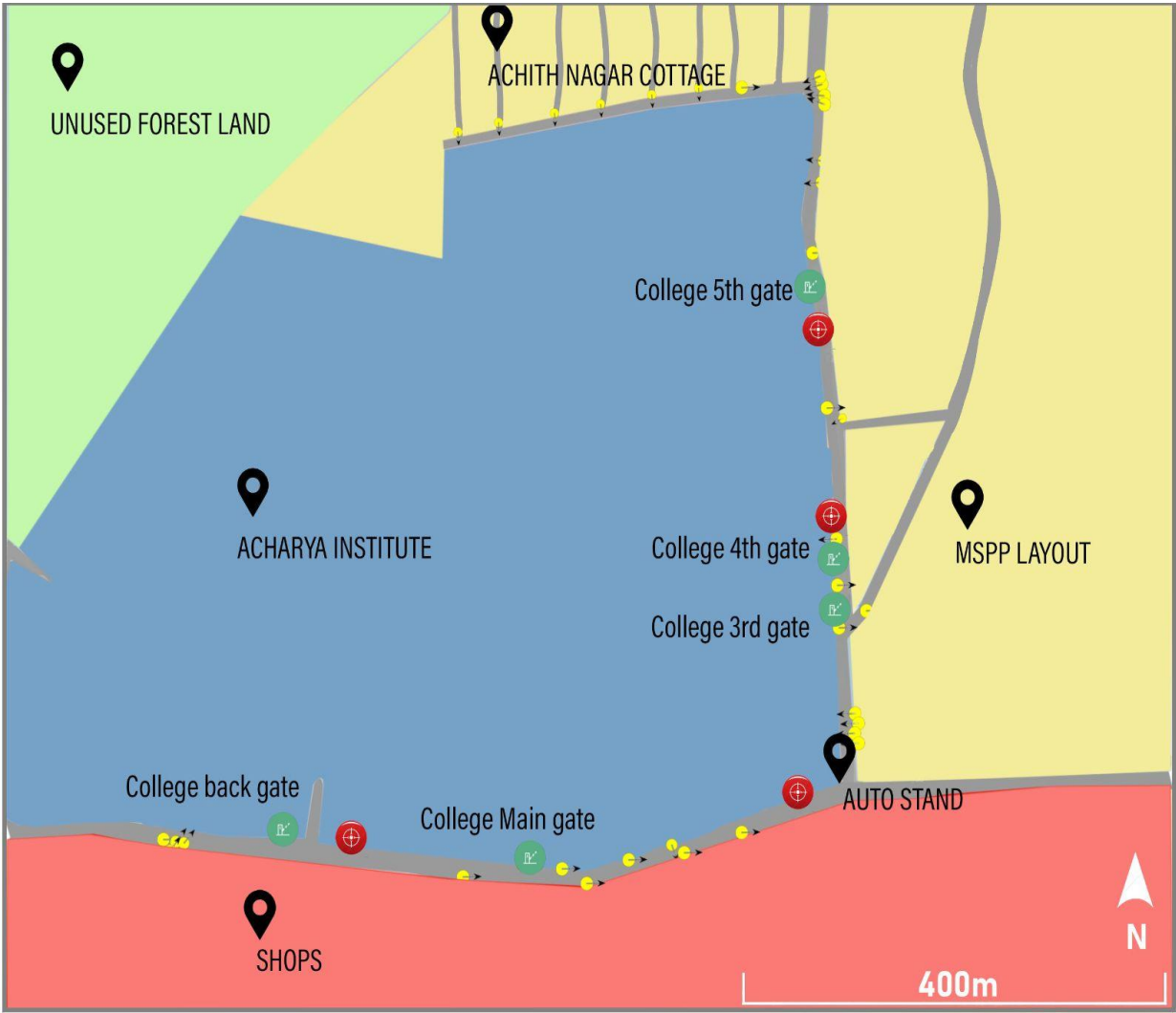
Based on this survey we identified certain dark pockets, development of which can change hub 2 for the better.





# THE SOLUTION:

As users of the road ourselves, it's a known fact that there are certain areas on the road that adds on to the eeriness of the road which is devoid of streetlights. Instead of ignoring those corners we took them head on and identified 4 pockets along hub 2 and hub 3. These pockets are more or less at equal distances from one another and are provided at spots with least streetlights to act as a solution to our lighting problem, in an interactive way.



## LEGEND

- FOREST LAND
- INSTITUTIONAL LAND
- RESIDENTIAL LAND
- COMMERCIAL LAND
- POCKET DEVELOPMENT
- EXISTING STREET LIGHTS
- ACHARYA COLLEGE GATE

## POCKET LOCATIONS :

- Pocket 1 - Near college back gate ( hub 3 )
- Pocket 2 - Near auto stand ( hub 3 )
- Pocket 3 - Sugarcane juice stall ( hub 2 )
- Pocket 4 - Near college 5th gate ( hub 2 )

# POCKET 1 & 2:

At pockets 1 and 2, this shading structure is provided for seating , putting up stalls and extra lighting in the area.

The materials used are

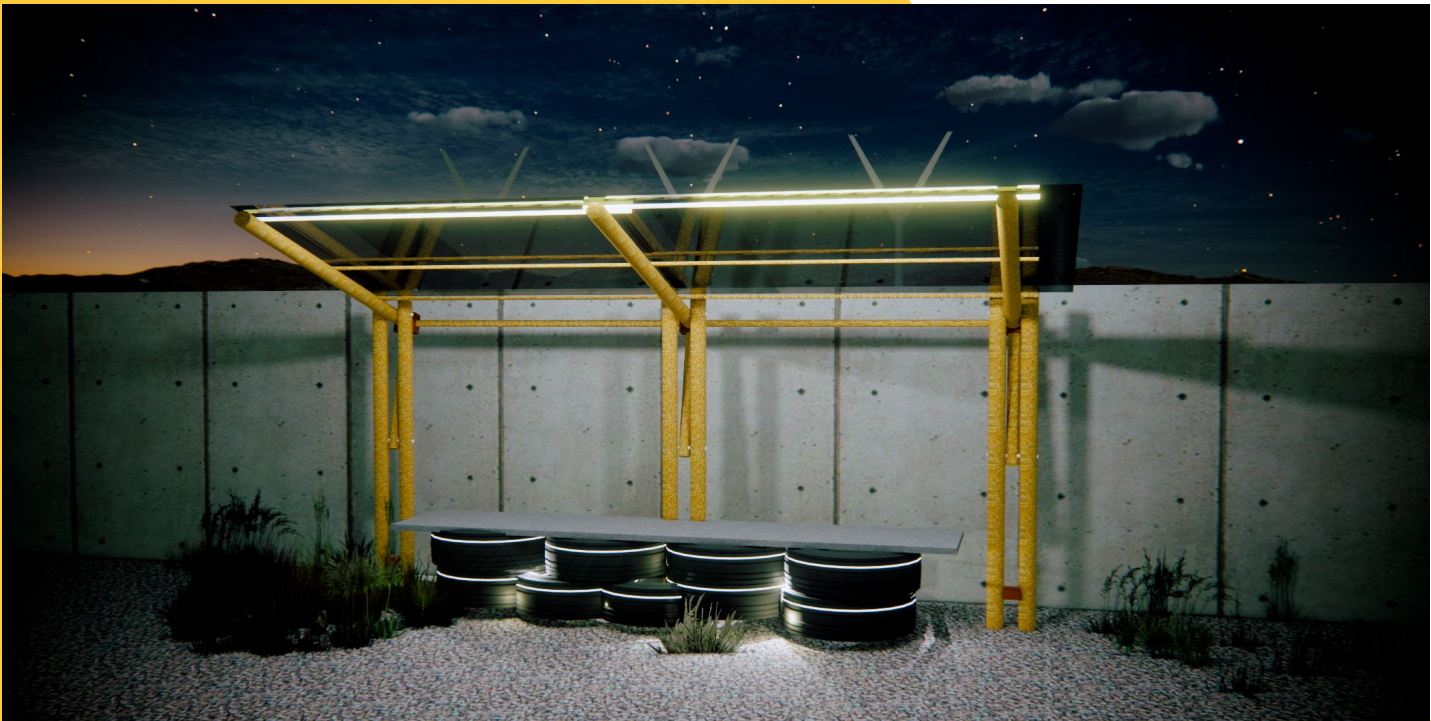
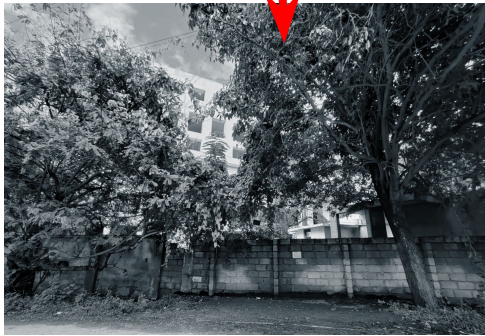
Framing structure- Dry Bamboo poles

Roofing-Polycarbonate Sheets

Seating- stone slab (kadappa ) over tyres

The lighting is provided by led light strips as shown in the images below.

The framework of the shade resembles a simple shade used in most bus stops. It is simple yet effective and cost efficient. At the same time the lights used reduces the dark spaces in hub 2.





## POCKET 3 :

Our Pocket 3 is identified at a junction of three roads where sits a sugarcane juice stall run by Mrs. Jaya D.

She's been running the stall for the last 4 years under the shade of a big tree near the parking lot of the institution. Her location seems justified given that her customers are mainly students from the institute.

We asked her a few questions to understand further how it is to be a small business owner in that area.

The juice stall is open on all days of the week from 9am to 6pm. When asked why she chose to close at 6pm she replied saying that there is hardly anyone who comes after 6pm. The footfall of the area drastically drops after sun down.

Which makes her scared and she doesn't feel safe to keep her shop open that late.

On being asked she said she would extend the timing upto 7:30 pm if she had potential customers come in after 6pm and proper lighting . The footfall , stall sees per day is around 100 and the numbers peak on monday. She wants to create a student friendly area which is spacious and comforting.



This design would help her business grow and lights would make her feel more safe and at ease even when she needs to keep the stall open later than 6 pm

The development of the area will further bring her more customers.



## POCKET 3 :

At pocket 3, we've provided organised seating for the customers of the sugarcane juice stall.

The stall shall be renovated slightly in design to accommodate more lighting in the space.

The seating system is made of oil barrels over which a used tyre with rope weaving is placed and seating arrangement is illuminated by led light strips.

The trees in this pocket help increase scope in lighting by the use of fairy lights along the barks of the trees.





## POCKET 4:

At pocket 4, there is a social space created by tyres and led light strips. The place functions as a play area and a gathering space where people can sit and socialise.

The led strips are organised and thus provides evenly distributed lighting in the pocket.

The trees are utilised as they act as support for tyre swings which are an attraction of this pocket.



# STAKEHOLDERS AND BENEFICIARIES

We'd say this development heavily benefits the ones who'd be using the space or even the road, without fear hindering their daily lives. But we do have stakeholders who seem interested in this project.

The area falls in the jurisdiction of the Gram Panchayat of kasaghattapura and on approaching them they seemed extremely interested and happy that we have been given such an opportunity.

## MATERIALS STUDY

MATERIALS	COST (₹)	TOTAL
USED TYRES	110 per tyre	5000
SAND	130 per bag	1000
ROPE (JUTE )	50 per pack	2000
STITCHING THREAD	190 per pack (20m)	1500
LIGHTING	90 per m (strip lights) , 250 per unit (20m , fairy lights	3500
CEMENT	370 per bag	1100
BAMBOO POLES	250 per pole	3600
STONE SLAB (KADAPA)	40 per square feet	1100
ROOFING SHEETS { POLYCARBONATE SHEETS }	950 per square metre	12000
OIL BARRELS	550 per barrel	1200
-	-	₹ 32,000