Problem Statement

Lack of lighting, shelter and maintainance makes the SUTD pond an **unfavourable** venue for all users. This causes it to be **underutilized** and limits its potential as a **nucleus** for social interaction.

Design Goals

The area I chose is the pond near the SUTD hostel which also houses the regal Jackie Chan Pavillion II.

Its proximity to hostel blocks as well as the tranquil surroundings makes it a convenient meeting spot for students and staff alike. The heritage building also draws many visitors lookinng to soak in the magnificence of the Pavillion.

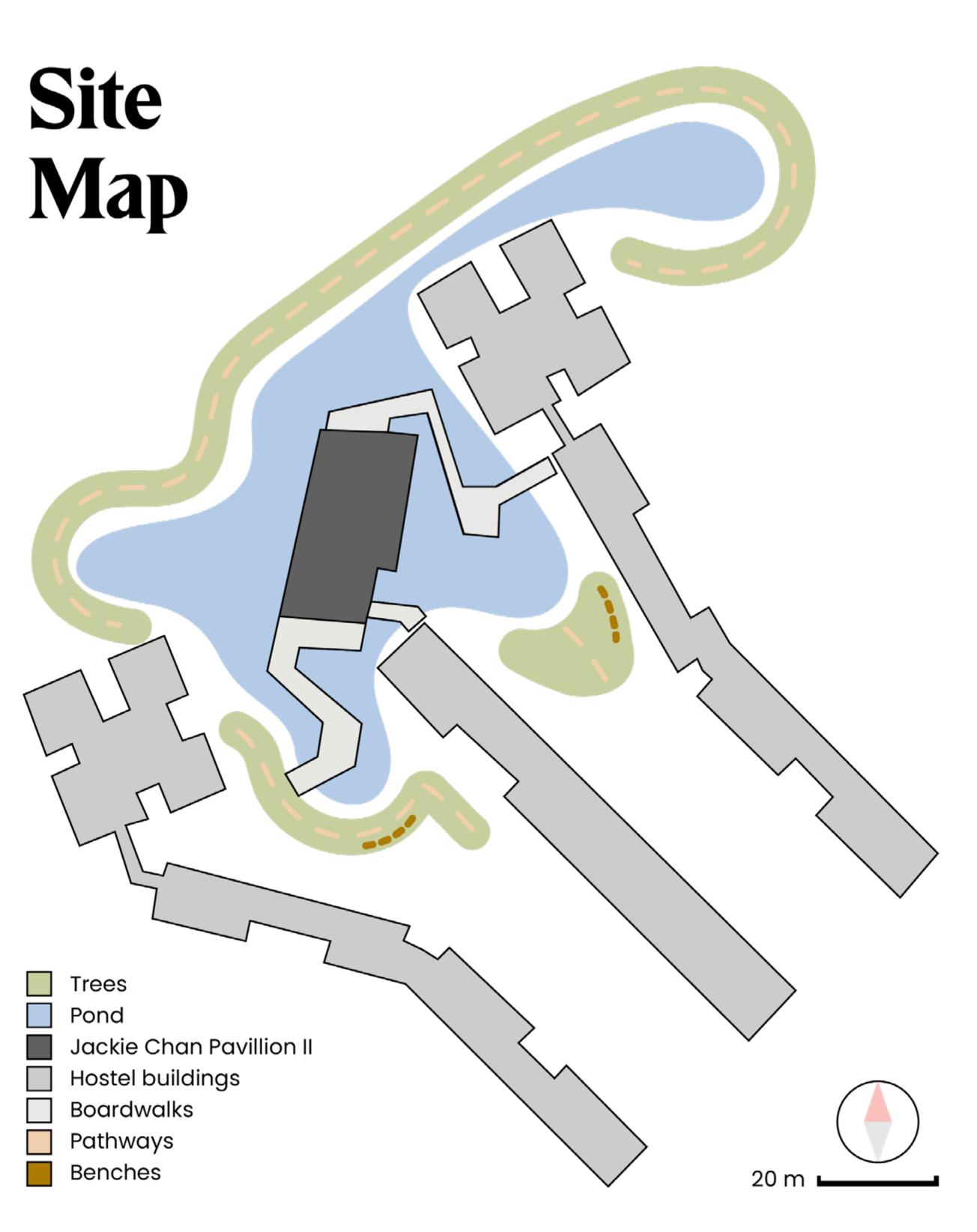
In spite of this, the area remains underutilised due to the **inadequate lighting** at night which results in **unnecessary dangers** when visiting the pond at night.

Additionally, the pond has a distinct **lack of shelter** to protect visitors from Singapore's weather elements.

Lastly, the murky water of the pond is **unsightly** to visitors. The environment is **undermaintained** as it is difficult to clean thoroughly.

Despite taking up a large proportion of the space in SUTD, these factors strongly **dissuade** people from passing through the space **irrespective of the time of day**. They prevent the pond from achieving its **full potential** as a peaceful haven within the SUTD campus.

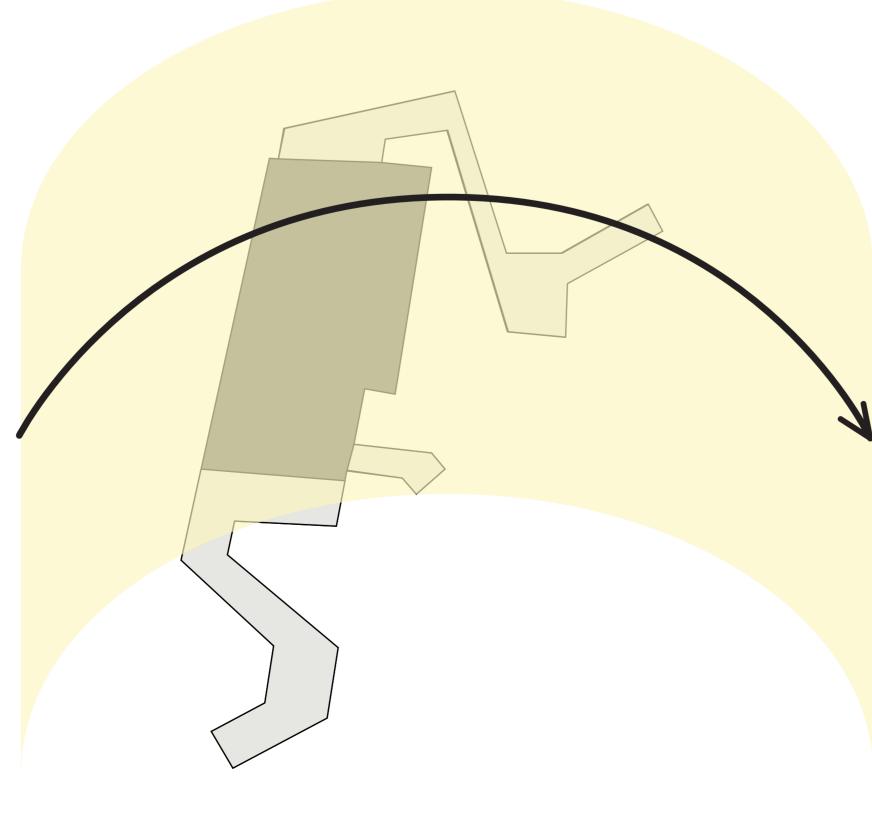
My goal is to transform the pond into a more **appealing** meeting no matter the time. I believe the simple activity of talking a walk at the pond can be **reimagined**: the pond can be revamped into not only a hub for social interaction but a centre of interacting with the breathtaking environment.



Curious child looking at the fish. Staff on a 7.00 am 12.00 pm 7.00 pm

25°C

Sun Diagram



There is higher footfall at the shaded areas as people prefer them over sunny tracks.

The shade provides respite from the intense heat, creating a more pleasant environment.

Foot Traffic Sum Phase shaded shaded

Phey Kai Ting Kalista 1007691 SC06

Activities

The SUTD pond is able to play host to a number of different types of activities which cater to a wide variety of user - students, staff, children from the daycare and visitors.

The **peaceful surroundings** and rich environment is attractive.

Activities include: taking in the greenery, bird watching in the trees, or examining the biodiversity in the pond itself.

Visitors drawn to the heritage building find the pond to be a picturesque setting for admiration. The pond and the pavillion offer a rich cultural and architectural tapestry.

Children from the nearby daycare infuse the area with laughter and playful energy. The pond allows children to **observe the diverse wildlife** that inhabit the pond, **connecting them with nature**.

Troubled staff can seek a brief escape from their busy routines: the calming waters provide **moments of respite**. The pond is a place where the staff can **unwind and recharge**.

Finally, for students, the pond turns into a nighttime retreat for them, offering a tranquil backdrop for **late-night walks** and **heartfelt talks**.

Interactions

The **lack of seating** on the boardwalks on the pond inhibits users' ability to stay for extended periods. They **do not linger** to fully enjoy the serene environment.

People visit the pond also spend time **observing and appreciating the wildlife** that inhabits or visits the pond.

They frequent the location at varying times:

- Children can be seen there with their parents after their daycare.
- Students mainly visit at night after classes.
- Visitors are found when the sky is bright and the details of the building are illuminated, allowing them to appreciate its intricate features during the daylight hours.

Environment

The pond is surrounded by greenery. The lush vegetation helps **alleviate stress** and makes the environment cooler.

Although the open space circulates fresh air, the air is stale due to the poorly maintained pond.

It is hot in the day as the sun shines directly at the site but it is cool and windy at night.

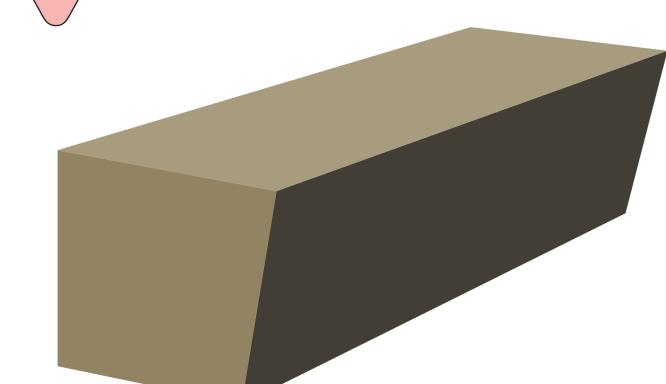
The pond is a habitat for wildlife such as terrapins, fish and insects like mosquitoes and ants.

After 9 pm, frogs can be heard croaking, especially after a rainy day.

Macro AEIOU

Objects





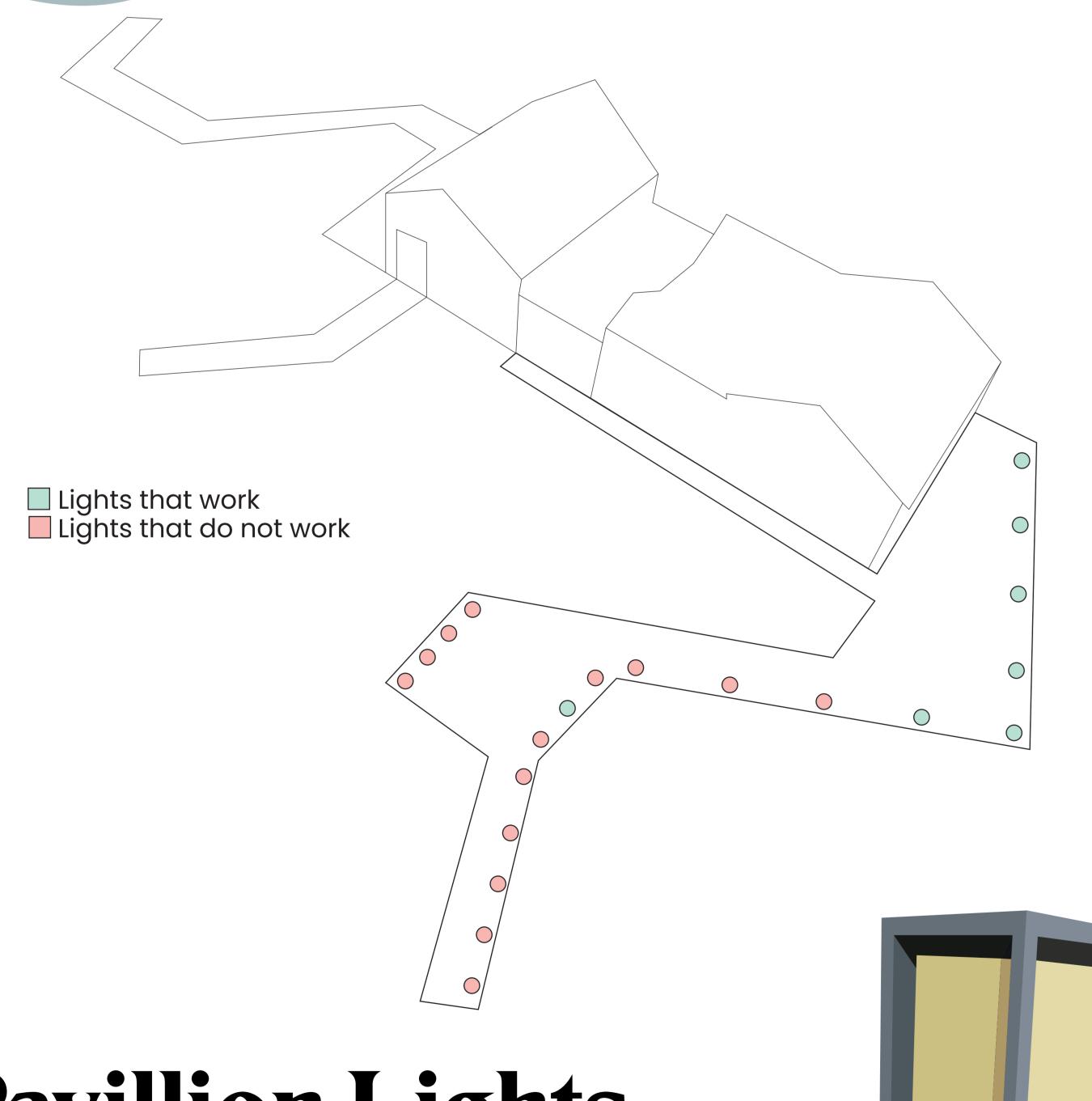
These stone benches are the only sitting area provided arond the pond. However, trees block the view of the pond and pavillion, making its location not optimal. Throughout my visits to the site, I have never seen anyone sitting there.



The sign cotains information about the Jackie Chan Pavillion in English and Chinese, catering to the cultural enthusiasts. Many visitors come to SUTD to see the antique buildings that were donated by the Jackie Chan.

Floor Lights

These floor mounted lights provide illumination from a low position, contributing to ambient lighting. However, out of the 21 lights, only 7 work, rendering them useless. This makes the boardwalk very dark and uninviting as users would feel unsafe.



Pavillion Lights

Like the floor lights on the boardwalk, the lights outside the pavillion do not work either.



The fountain **does not work** as well. Dead leaves and trash thrown in have gathered on top, making the floating fixture **displeasing**. The water is full of algae, further discouraging people from visiting the site. Due to the difficulty, the fixed installation is **not maintained**.

9 pm 26°C

Site Trees Pond Jackie Chan Pavillion II Hostel buildings Boardwalks Pathways Benches Temperature across the day

2 pm 32°C

Users

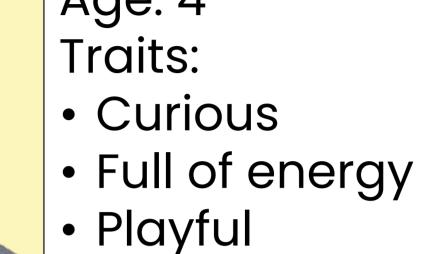
Visitor Age: 65

Traits: Retired Health conscious

Dislikes: Likes: Rich

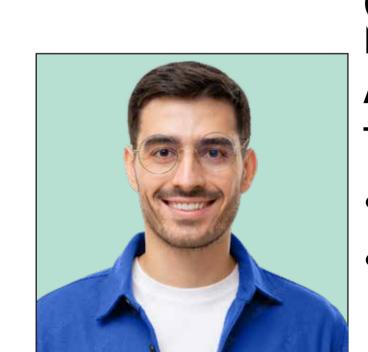
Heat stroke Standing Places for too long to rest

Child Age: 4



Likes: Looking

water Running Boredom around



Staff Age: 46 Traits: Stressed Wants to spend time with family

Likes: Scenic places

Dislikes:

Dislikes:

Murky

Hot sun Inadequate Relaxation Lighting

Student Age: 21



Likes:

places

Tired

Dislikes: Places to

Hot sun Dirt and Scenic

Footpath

26°C28°C32°C

9 pm 26°C

