

**Batch 2017**

Biyagama

Homagama

Seethawaka

**SITE PLANNING PROJECTS**

**PORTFOLIO**



Department of Town & Country Planning  
University Of Moratuwa

## CONTENT

01	172301F	NEW TOWN CENTER FOR MEEPE - WITH TRANSPORT TERMINAL, COMMERCIAL AND RECREATIONAL PARK
02	172302J	RESIDENTIAL AND COMMERCIAL BUILDING DEVELOPMENT PERAGASHANDIYA JUNCTION
03	172303M	PROPOSED PLANNING & DESIGN INTERVENTION PLAN FOR DIMO MINI URBAN PARK DEVELOPMENT PROJECT- 2040
04	172304R	FASHIONABLE ECO-FRIENDLY OPEN SPACE AND MARKET AREA FOR SIYABALAPE JUNCTION
05	172305V	URBAN GREEN PLAZA WITH NODAL & BUS TERMINAL DEVELOPMENT @ MATTEGODA
06	172306B	TRANSPORT ORIENTED MIXED DEVELOPMENT IN PADUKKA
07	172307E	BANDARAWATTA JUNCTION DEVELOPMENT PLAN
08	172308H	PROPOSED NODE DEVELOPMENT PROJECT MATTEGODA
09	172309L	KADAWATHA CITY CENTER DEVELOPMENT
10	172310G	FINANCIAL & ADMINISTRATIVE COMPLEX SQUARE
11	172311K	URBAN MARKET & RECREATIONAL AREA KAHATHUDUWA “GREEN GROCERY KAHATHUDUWA”
12	172312N	HANWELLA MAJESTIC CITY MART (HMCM) AND NEW BUS STAND DEVELOPMENT – HANWELLA
13	172313T	“CITADEL DEVELOPMENT”- WORKERS’ HOSTEL DEVELOPMENT PROJECT
14	172314X	DEVELOPMENT GUIDE PLAN FOR PADUKKA TOWN – PADUKKA MIXED USE DEVELOPMENT
15	172315C	URBAN PLAZA INTEGRATED DEVELOPMENT WITH PUBLIC MARKET -KADAWATHA
16	172316F	WATERFRONT DEVELOPMENT FOR KELANI RIVER IN HANWELLA
17	172317J	VALLEY MARKET SQUARE
18	172318M	SOUTH CITY MIXED USE DEVELOPMENT, HOMAGAMA
19	172319R	URBAN GREEN SPACE DEVELOPMENT
20	172320L	INTEGRATED BUS TERMINAL HUB – STRATEGIC ACTION PROJECT PROPOSAL
21	172321P	WETLAND PARK DEVELOPMENT PROJECT
22	172322U	BIYAGAMA CITY CENTER SITE PLAN 2024
23	172323A	PROPOSED PUBLIC SQUARE WITH COMMERCIAL DEVELOPMENT IN KAHATHUDUWA
24	172325G	DEMO ECO INDUSTRIAL PARK DEVELOPMENT (DEIP) STAGE II - 2022 -2040
25	172326K	DEVELOPMENT GUIDE PLAN FOR LOW-INTENSITY HIGHWAY AND SERVICE AREA IN BIYAGAMA
26	172327N	DEVELOPMENT GUIDE PLAN FOR PADUKKA TOWN - PROPOSED GUEST HOUSE & HOTEL DEVELOPMENT PROJECT
27	172328T	COMMERCIAL HUB DEVELOPMENT HOMAGAMA
28	172329X	MULTI STOREY CAR PARK DEVELOPMENT & SHOPPING COMPLEX
29	172330R	RECREATIONAL CLUSTER DEVELOPMENT IN MATTEGODA
30	172331V	RAILWAY STATION HUB DEVELOPMENT PROJECT - HOMAGAMA (2040)
31	172332B	MIX USE DEVELOPMENT PARALLEL TO RECREATIONAL AREA (THEME PARK APARTMENT, SHOPPING COMPLEX, OPEN CAFETERIA, ETC
32	172333E	MINI SHOPPING MALL AND URBAN PARK DEVELOPMENT AT GALAGEDARA JUNCTION
33	172334H	NEIGHBORHOOD CLUSTER DEVELOPMENT IN MATHTHEGODA
34	172335L	NEIGHBORHOOD SPACE IN RESIDENTIAL ENVIRONMENT IN MEEPE
35	172338A	GREENSPREE: ONE STOP SHOPPING MART MEEPE
36	172339D	INTERGRATED SERVICE HUB AND PUBLIC PARK DEVELOPMENT PROJECT HOMAGAMA
37	172340X	SPORTS ZONE DEVELOPMENT PROJECT
38	172341C	PUBLIC FAIR REDEVELOPMENT & OPEN RECREATION PARK
39	172342F	DEMO COMMERCIAL COMPLEX, BIYAGAMA INDUSTRIAL TOWNSHIP ZONE
40	172343J	PROPOSED GREEN VIEW DEVELOPMENT AT HANWELLA
41	172344M	TRANSIT JOINT MIXED-USE DEVELOPMENT PROJECT-PADUKKA
42	172345R	URBAN MARKET AREA DEVELOPMENT & RECREATIONAL DEVELOPMENT MATTEGODA
43	172347B	PROPOSED PLANNING & DESIGN INTERVENTION FOR THE SELECTED SITE IN KAHATHUDVA
44	172348E	COMMERCIAL CITY CENTER DEVELOPMENT KAHATHUDUWA
45	172349H	COMMERCIAL + RECREATIONAL MIX DEVELOPMENT
46	152308N	PAHATHGAMA CITY SERVICE HUB – A NEW PLACE TO GO



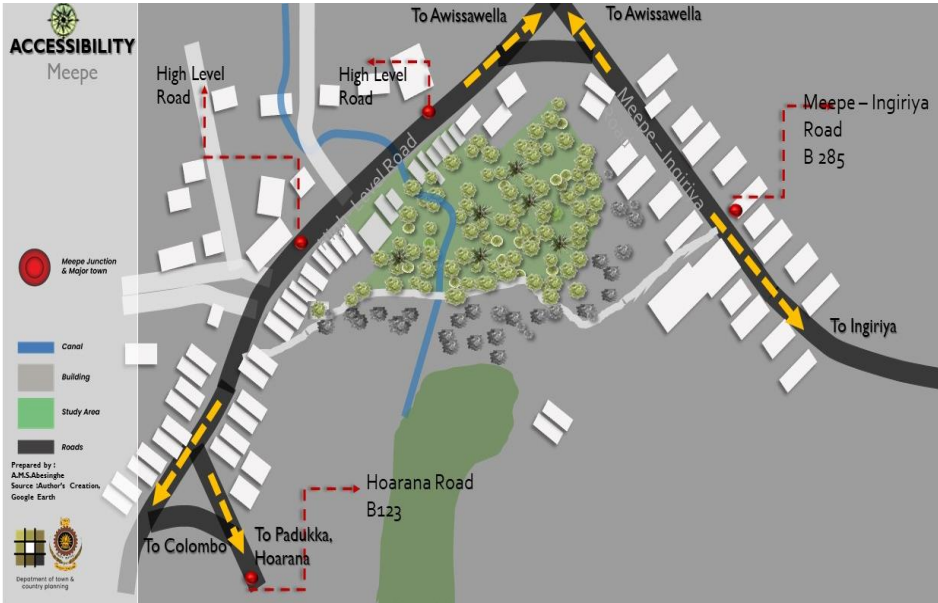


Name : A.M.Sandulika Abesibghe  
Supervisor : Dr.Nayomi Kankanamge  
Email : sanduabesinghe1997@gmail.com  
Index No : 172301F

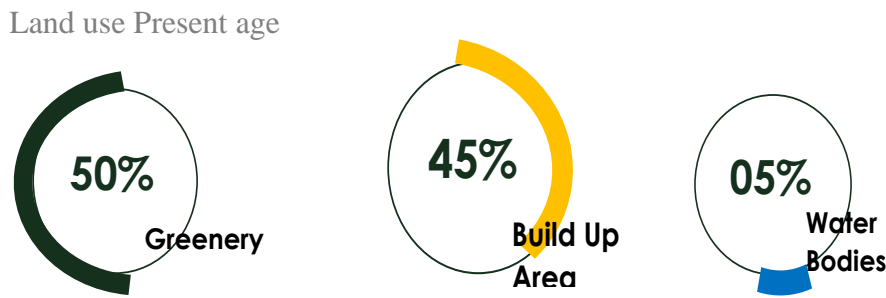
Executive Summary

Meepe, an emerging Town center in Seethawaka Pradeshiya Saba Local authority is the entrance point to the largest greenery space of Colombo. Its location in the High-Level Road (A4), gives Meepe a higher locational advantage. Along the linear direction of High level, Colombo suburbans as Maharagama, Pannipitiya, Kottawa, Homagama have already being developing as first order, self- sufficient cities to cater their inhabitants. So with that upcoming development potential of Colombo suburbans, it is explicitly highlighted that in near future, Meepe will convert into Colombo suburban city center. Since Meepe is situated in a highly rich bio diversified area as Seethawaka, it is necessary to guide the upcoming development pressure, in order to conserve its city character.

Site Context

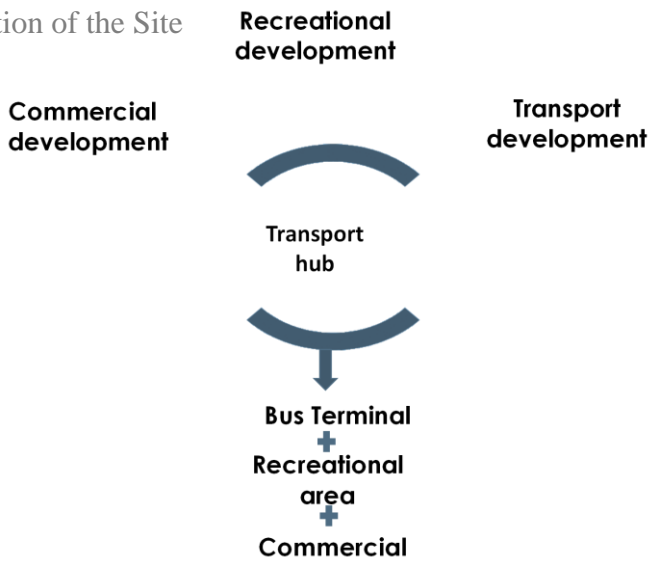


NEW TOWN CENTER FOR MEEPE  
With transport terminal, commercial and recreational park

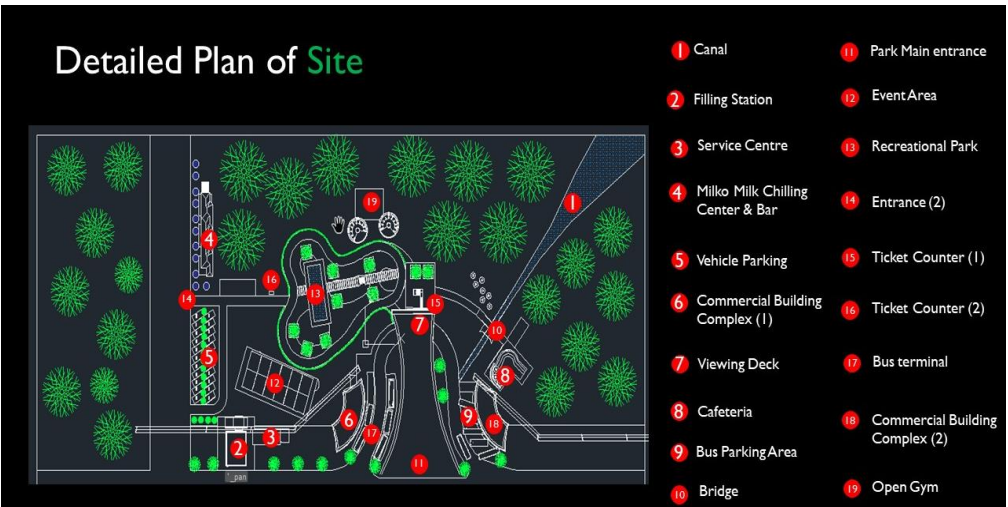
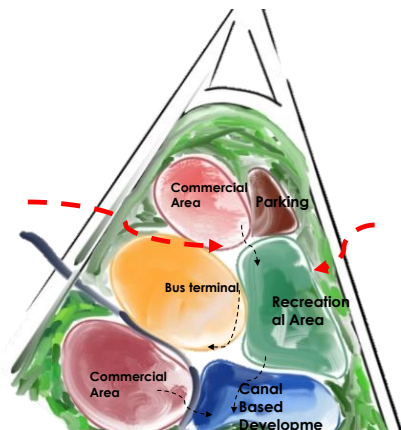


By considering the above situation I propose my new city center for meepe including a bus terminal, Commercial units and the recreational park. Here I back my concept using the theories I learnt at the university, by analyzing city data and by referring valid publications. By considering all I can clearly state that the proposed new meepe city center achieves its goals and objectives, and then the vision of becoming the “exemplary green city”.

Finalization of the Site



Concept Plan



The detailed plan is designed identifying all the key components of the design. All the analysis did before bring us to this final design. There are lot of sub components added to the conceptual design to meet the expected. This figure shows the complete view of the detailed plan of the proposed design.

Design – New Town Center for Meepe





Residential & commercial Building Development

Peragashandiya Junction



Name: Aksaya.s

Supervisor: Dr. Chathura De Silva

E-mail address: aksayasuntharamoorthy@gmail.com

Index no: 172302J

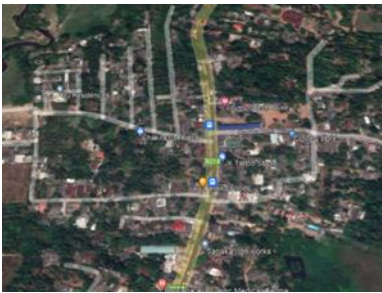
summary of the site planning

We select Bandarawatte to syampalaphe area for our study area.

Figure 1 Phase 1 study area



Figure 2 Pergashandiya junction



In this area I select Pergashandiya junction area. In Pergashandiya area I select this yellow area.



perch area.

If we see the existing situation of the land. We can see North side commercial building, East side new Kandy road, South side road, West side residential building. It is 22

Figure 3 Selected area

This site has development potentials.

- This is located in New Kandy Road.
- Two bus stand near to this place.
- There are four roads join near to this land.

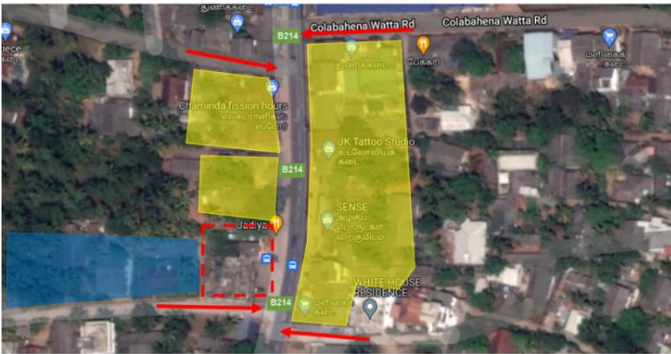


Figure 4 Site with surrounding area

If we see this figure yellow color indicate commercial area. Blue is residential area. Four arrow are indicate four roads. Red break line indicate selected area.

layout of this building.

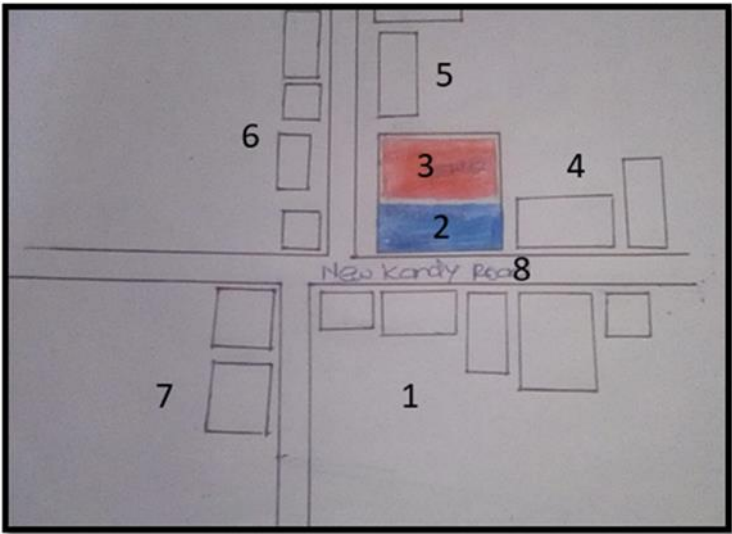


Figure 1o layout of building and surrounding

This is the layout of the building and surrounding area. If we see this layout,

- 1- Commercial area
- 2-Parking area of proposed building.
- 3- Proposed building
- 4- Mix commercial area
- 5- Residential area
- 6- Residential area.
- 7- Commercial area
- 8- New Kandy Road.

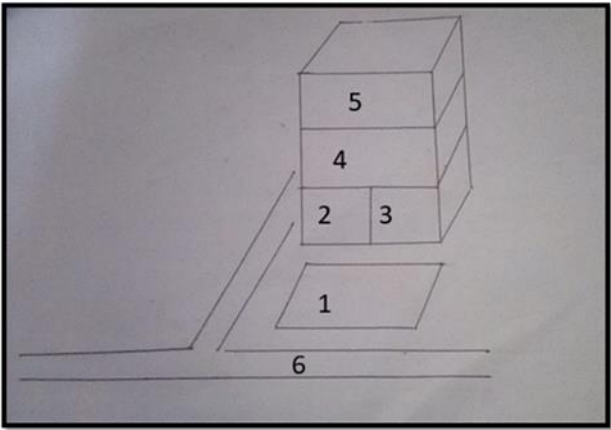


Figure 11 3D view of propose building.

- 1. Parking space
- 2. commercial unit
- 3. commercial unit
- 4. housing unit
- 5. housing unit
- 6. New Kandy Road

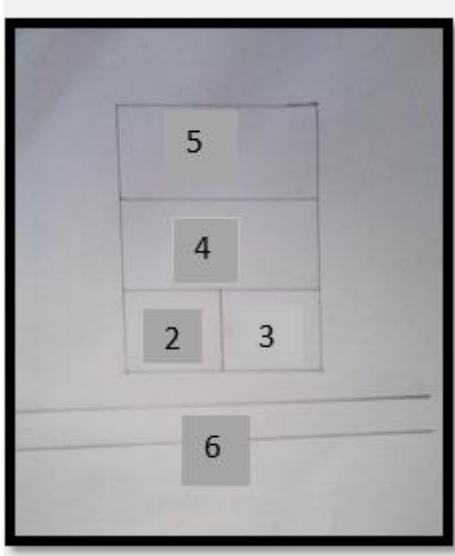


Figure12 front view of propose building



3D view of the propose building.



PROPOSED PLANNING & DESIGN INTERVENTION PLAN FOR DIMO MINI URBAN PARK DEVELOPMENT PROJECT- 2040

Name: R.M.D.Y. Bandara

Supervisor: Dr Wathsala Gunawardhane

Email address: [dinushib96@gmail.com](mailto:dinushib96@gmail.com)

Index No: 172303M



Summary Of the Site Planning

The main purpose of the site planning project of Demo Eco-Industrial Park Development under the second phase is to prepare a Detail project proposal Development and plan and design a strategic action project, with a detailed demonstration of the application of Institutional, Environmental, Financing, Regulatory and other processes that aligning with Dimo Development Guideline Plan & Local Development Plan that prepared for Biyagama.

The contextual analysis identifies the main problems, of the DGP area and helps to position the area in different aspects by targeting what kind of site-level gap is in Demo Eco-Industrial Park. Further, The lacking areas need to be a concern for Project preparation.

After the preliminary analysis which conducts to identify the level of the urban form via physical structure, functional efficiency, environmental sustainability, social equitability, economic viability, etc. After Identifying the stakeholder consultation view, Highest and best use project for selected land. Finally, According to the DGP, there is a Mini urban park, a Restaurant and a vehicle park have been proposed under the regulation conditions.

The site area belongs to the “High-Intensity Utility and Industrial Oriented Development District. Under the implementation proposed the suitable funding method is a public-private partnership. During the construction, the base invests public sector and private sector. Getting to the benefit can use the shareholder method. Also, maintenance costs are the same. Responsibility has the same two parts. Client funded (Dimo Industry) and Ministry of Social empowerment & welfare. This is the work breakdown structure and timeline of the proposed development projects that started this year and will be ended in 2024.

Development Objectives

- Utilize,Underutilize ad vacant land to gain the optimum current and future befits to the city
- Create an income generating source for dwellers to have more employment opportunities
- Attract people towards to the Dimo Industrial area
- Inspire people to feel relaxed and comfortable

Derived proposals for the selected site

- Mini urban park and Bysicle path development of the area
- Restaurant and food stalls
- Vehicle parking
- Underground Pedestrian crossing

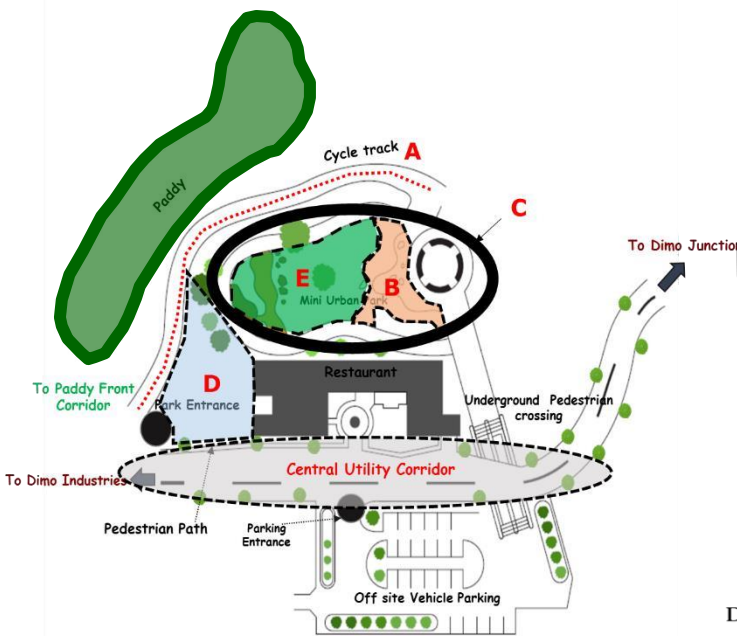


Figure 1 Conceptual Design/Source by author

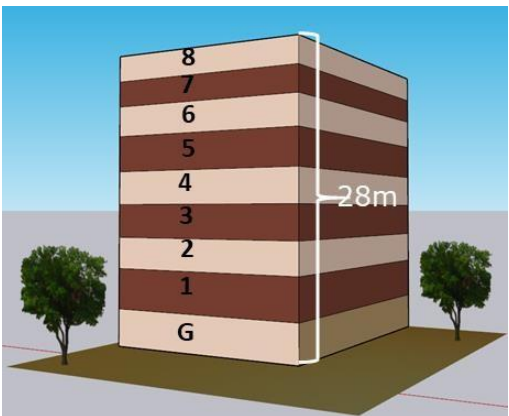


Figure 2 leagal peamiseability



Figure 3 Socio Economic Impact



Figure 3 cross section of the site



Activities	2021	2022					2023					2024				
	NODE	JA	FE	MA	AP	MA	JU	JL	AG	SE	OC	NODE	JA	FE	MA	AP
Land Acquisition																
Site clearance																
Restaurant Development																
Urban mini park development																
Vehicle Parking																
Underground peestrian crossing																

Figure 2 Time Line



FASHIONABLE ECO-FRIENDLY OPEN SPACE AND MARKET AREA FOR SIYABALAPE JUNCTION



T.G.P.D. Dharmarathna  
Supervisor: Dr. Nayomi Kankanamge  
E-mail: [dharmarathnapoornima@gmail.com](mailto:dharmarathnapoornima@gmail.com)  
Index no: 172304R

Project site is located at Biyagama in Gampaha district, Western province. Total land area is 55 acres. The zone bounded with different land uses on different sides.

- South – Raggahawatta canal, Paddy Lands
- North – Samurdhi Mawatha, Siyabalape Jogging Park and wetland area
- West – Residential and commercial Cluster
- East – Siyabalape /junction, New Kandy Rd, commercial and residential Cluster

Most Important thing is the selected site located admits of the very important and compact Cluster of Demo Industrial area and Biyagama EPZ Industrial area.

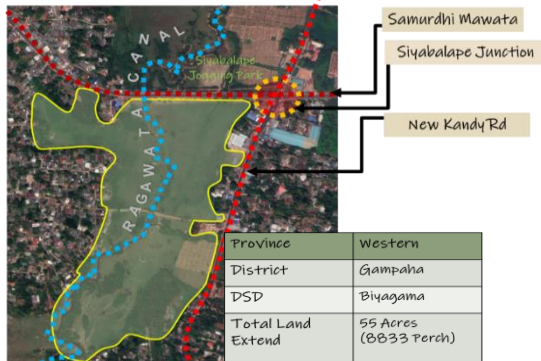


Figure: Location Details

DEVELOPMENT GUIDELINES: SPECIFIC

Development Guidelines for South District- Self-sustaining Corridor (Bandarawatta to siyabalape GDP above showed area identified as a Self-Sustain Corridor.)



Figure: South Corridor

Permissible uses	Residential, hospitals and industrial activities are not allowed within this zone. Day and night functioning area. Only agriculture-based activities are allowed in this area. Cultivation, recreational and open spaces, green house gardening, warehouses and farmers markots are allowed.
Building height	Maximum 2 story building (max 6 m) were allowed from existing ground level.
Zone Factor	0.12
Plot Size	12P
Road Frontage	12m

- 01 • Get Organic food, Fruits, Plants from Local community of Surrounding area.
- 02 • Enhance Agriculture Production
- 03 • Re Cultivate Abundant Cultivation Lands
- Provide Job Opportunity for Community
- Give Shop Ownership to Community
- Fresh and healthy Foods for Community
- Protect Wetlands and sensitive area
- Enhance beauty and attraction of area
- Enhance health

Figure: Potential Uses and Benefit for The Public / Local Community

PROJECT GOALS AND OBJECTIVES

The smart growth approach is the main core base for the development concept and following principles are the main foundation for the entire concept which used phase 1 GDP. According to that concept, create that development

GOAL

promote the recreational spaces and Organic food Market to improve the local economy through the urban agriculture.

Objectives

- 1) Self sustain Corridor for promote the local economy
- 02) Self sustain corridor to develop multifunctional green open spaces
- 03) Enhance beauty and attraction of area
- 04) Enhance health Sector of Local Community

DESIGN OF PROPOSED DEVELOPMENT

Selected site Located as separate Blocks A, B, C and D. But after this development these separate 4 Blocks continuation create attractive and potential site. In this development used 5.5% of land for development. But rest of land 94.5 Land area protect as wetland. Due to the flood impact that development above 2.5m from ground level and also this is backyard functioning development. T used to protect environment Sensitivity of area. Backyard functioning activity can reduce garbage dumping. And also, mostly used ecofriendly materials. Like Wood Shops, Wood Roofs, Wood Floors, Wood Furniture’s etc. and also mostly use ecofriendly colors for walls and etc.



Figure: Site Detail



Figure: Proposed Development

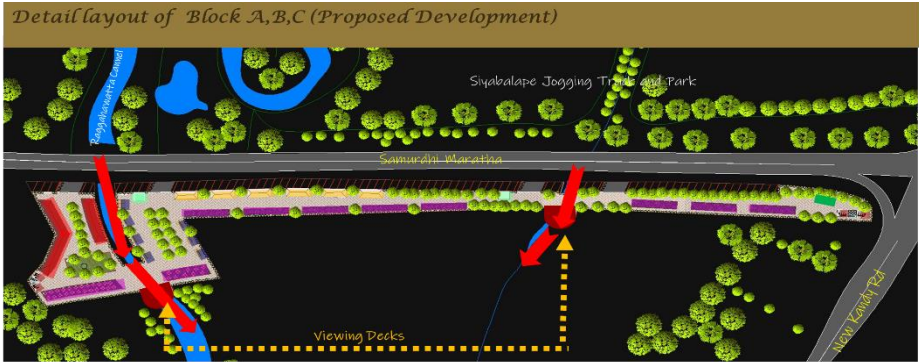


Figure: Layout Plan Down by the Author

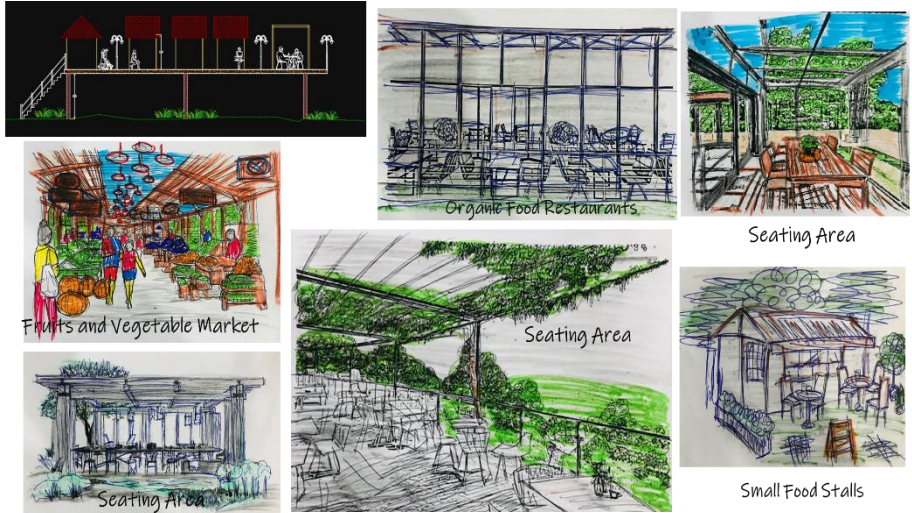


Figure: 3D View Down by the Author

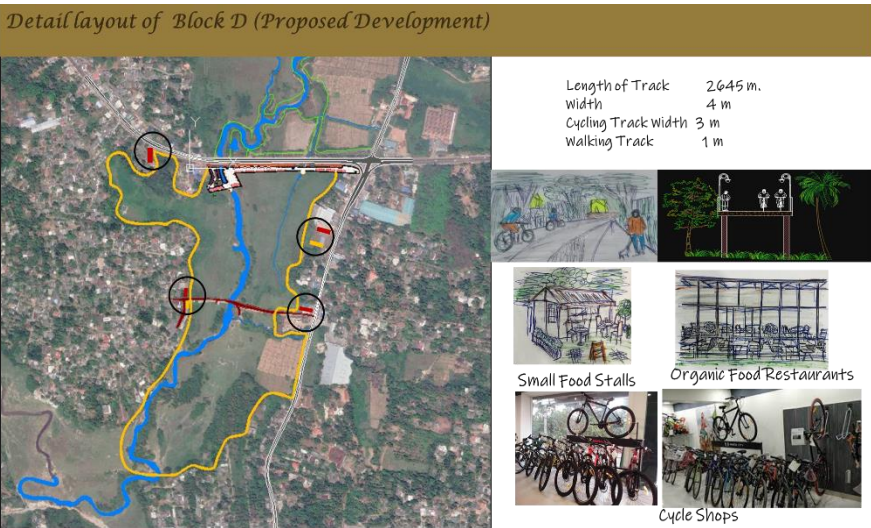


Figure: Detailed Layout Block D Image Drawn by Author/ Image Source Google)

Block D Functioning as Walking and Cycling Track. Local Community can entrance using these 4 Entrances below show using circles. And also, near the entrances provide Cycling shops for renting cycles and also in this area locate small food shops and restaurants. That block has another potential as protector, when we consider about the surrounding building clutters those lands will extend and use wetland areas for development in the future.





# URBAN GREEN PLAZA WITH NODAL & BUS TERMINAL DEVELOPMENT @ MATTEGODA

Name: D.M Vihangi Amesha Dilrukshi

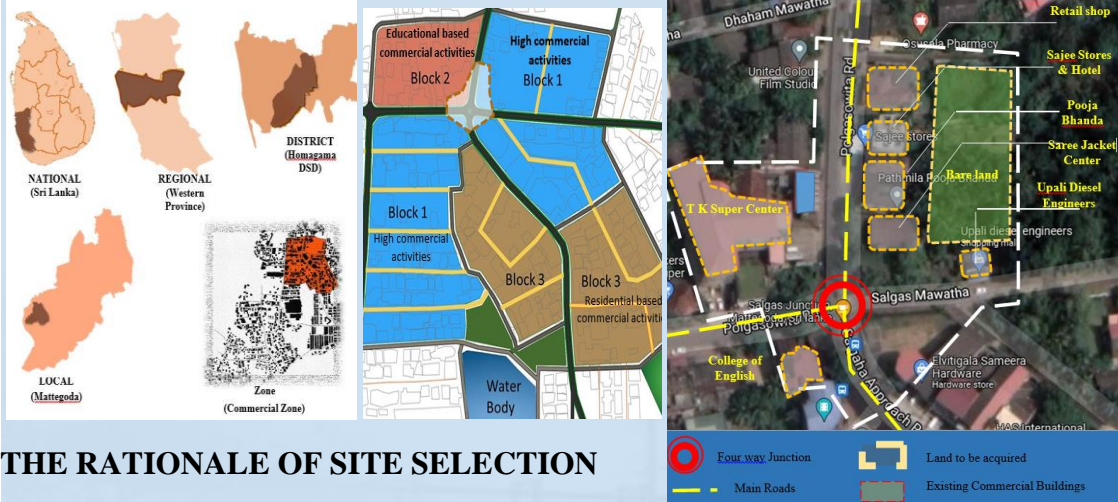
Supervisor: Dr. Gayani Ranasinghe

Email: [vihangidilru@gmail.com](mailto:vihangidilru@gmail.com)

Index: 172305V

## SUMMARY OF THE SITE PLANNING

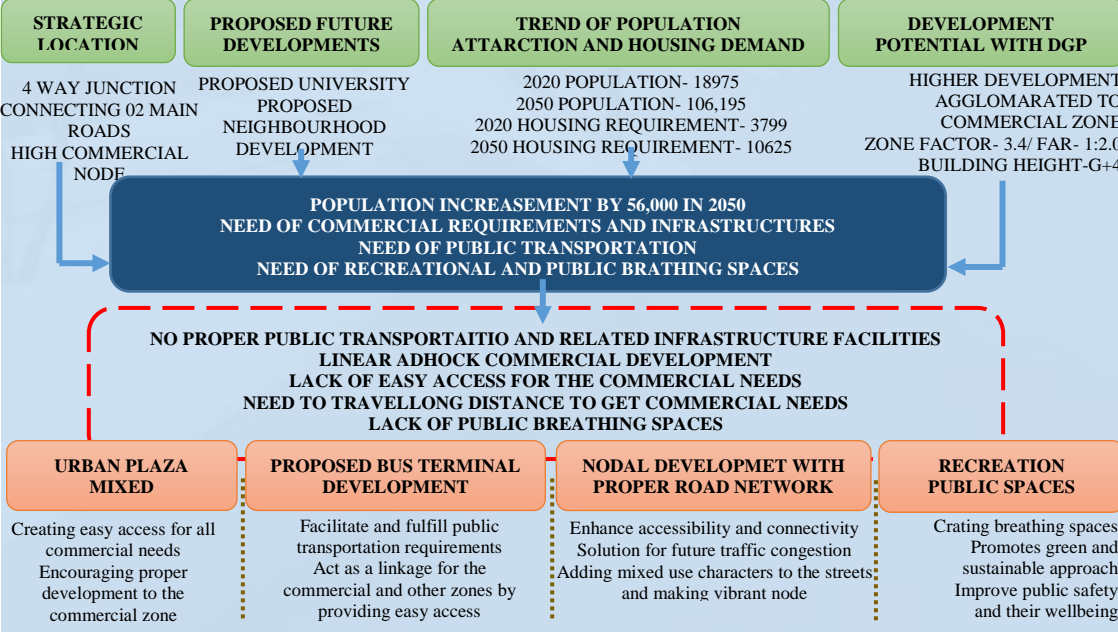
**LOCATION:** Mattegoda, Homagama DSD, Colombo |Site Extent:3.5 acres



## THE RATIONALE OF SITE SELECTION

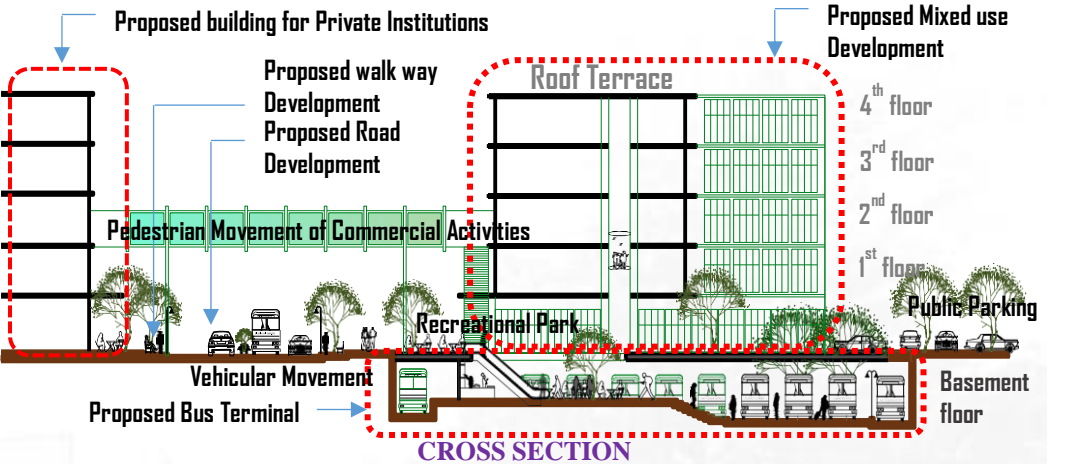
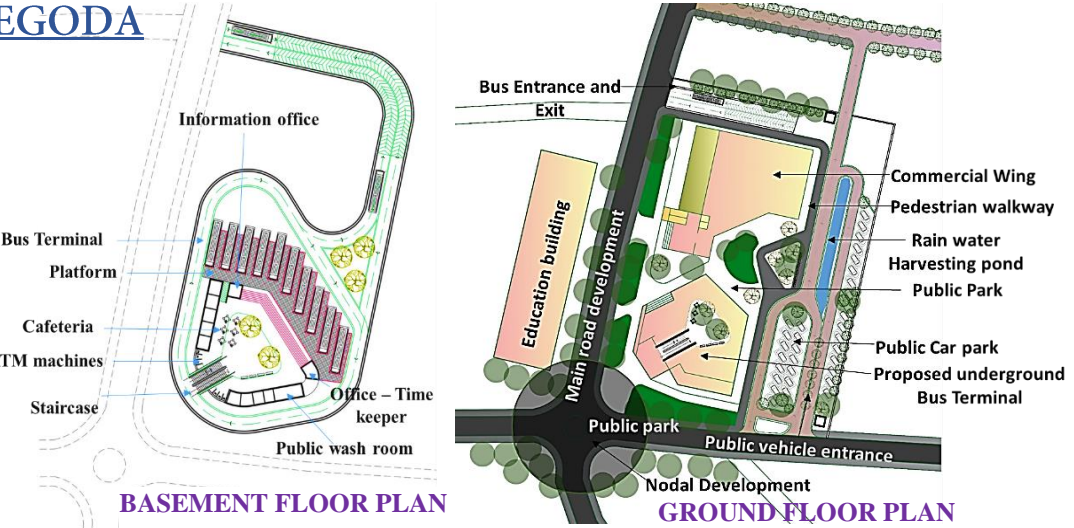
- located in commercial zone, strategic location with a junction that connects two main roads.
- Place where people attract for fulfil their commercial needs
- Area with highest vehicular and pedestrian movement.
- DGP Plan proposed accommodation and high dense residential clusters
- Upcoming university will create new student based community with their accommodation, commercial and recreational needs.
- Due to these there will be high population agglomeration towards this node and commercial zone.

## NEED OF THE PROJECT



## IMPACT OF THE PROJECT

- Economic**
  - Enhancement and retention of jobs
  - Increased value of surrounding property
  - Development of infrastructure facilities
  - Creating easy access for all commercial and other needs
  - Encouraging proper development to the commercial zone
  - Facilitate and fulfill public transportation requirements
- Environmental**
  - Respond the existing topography and minimize damage
  - Sustainable development
  - Promotes green and sustainable approach
- Social**
  - Project strategically breaks the linear ad hock development.
  - creating an introverted natural environment that can accommodate the public needs in walking distance
  - Reconnects people with nature, commercial & recreational with encouraging public transportation
  - Create social interaction by providing new mixed use functions with an effective transportation system
  - Creating social sustainable community, uplift the way of living
  - Solution for future traffic congestion
  - Adding mixed use characters and making vibrant node
  - Improve public safety and their wellbeing





# TRANSPORT ORIENTED MIXED DEVELOPMENT IN PADUKKA



Name: R.M.D.M. Dissanayaka

Supervisor: Dr. Chameera De Silva

Email Address: [madushikadilini5@gmail.com](mailto:madushikadilini5@gmail.com)

Index No: 172306B

## Summary of the Site Planning

### Introduction

Padukka is part of the Seethawaka PS, Colombo district, in the western province, with a long history, according to the administrative boundary. Padukka is located 30-33 kilometers from either side of the Colombo district boundary and is part of the Avissawella electorate on both sides. The site is in Padukka city center. **Adjacent to the railway station and bus stand.** It is representing core part of the Padukka City center.

- **Land Extent** – 1.30 acres (5245 m<sup>2</sup>)
- **DSD** - Padukka
- **GND** - Padukka
- **Elevation** - 44ft from the sea level

Following figures show the location of the site.



Figure 1 - Location of the site

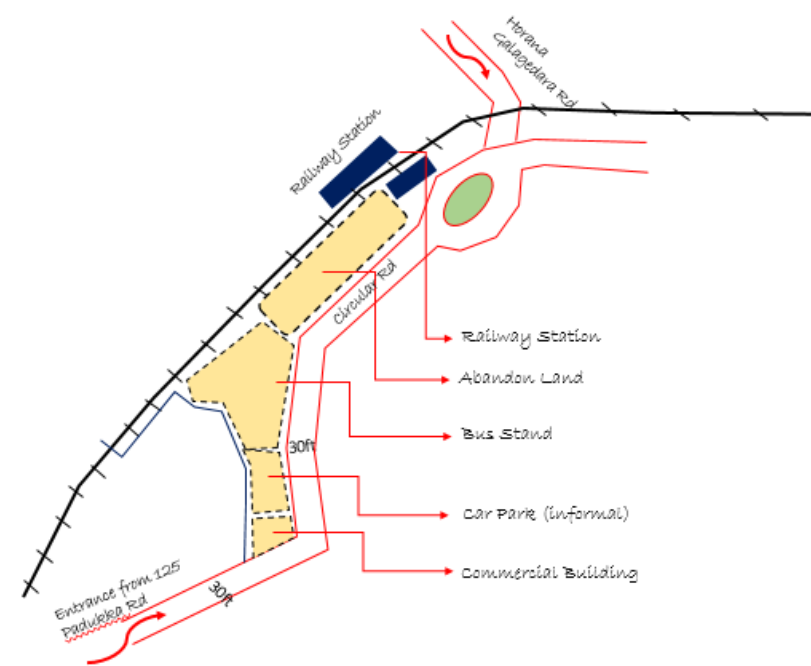


Figure 2 - Existing layout of the site

### Planning Process

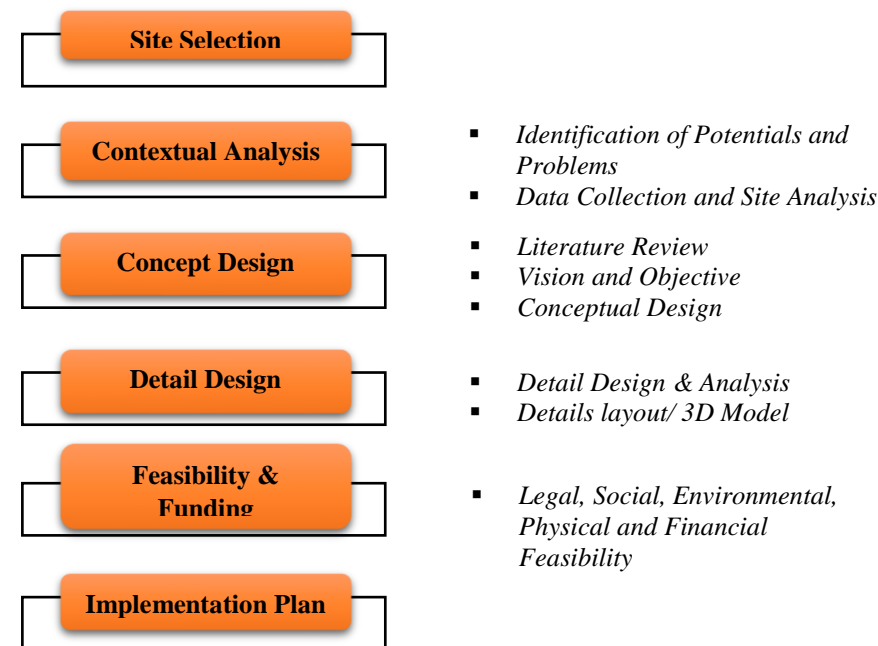


Figure 3 – Planning Process

### Rational for the Site Selection

- Existing Transportation Network (railway and local road)
- Rapid growth of future commuter population
- Growth of residential population
- Proposed Elevated KV line up to Angampitiya

- Regional linkages
- Limited services and infrastructure to cater the transit demand
- The site is not visually attractive and sympathetic to the local character
- Development plans which have been proposed, are not detailed enough to resolve the real ground issues

### Conceptual Design

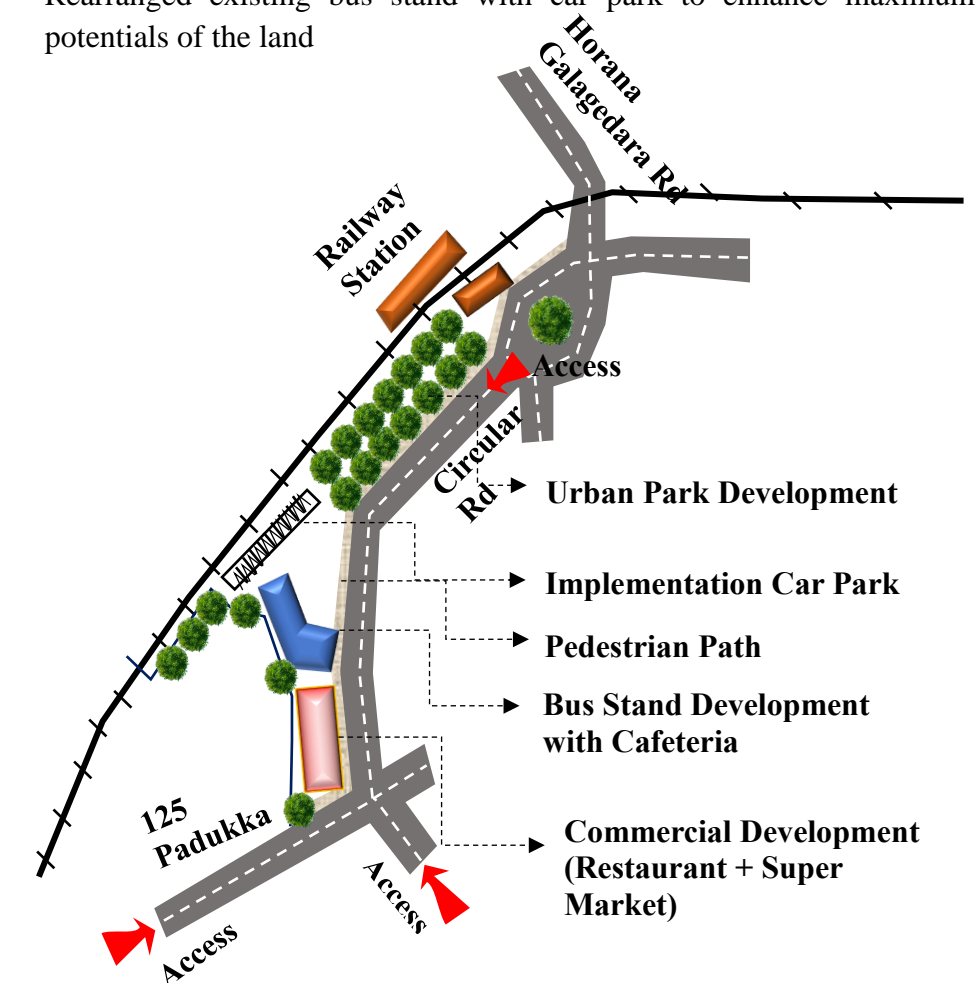
#### Proposed Development Activity - Transport Oriented Mixed Development in Padukka

**GOAL** - Thriving Commuter Suburban with Positive Social Encounters

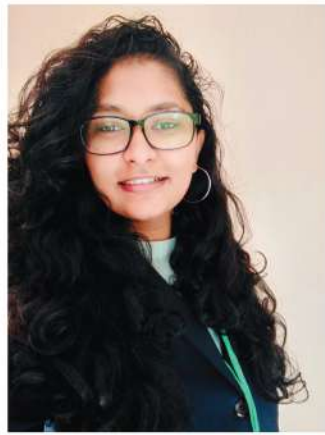
**Objective** – Provide retail choices to inspire commuters and the residents inside the valley

### Strategy

- Integrate the old station building with the bus terminal while enabling sufficient communal spaces by implementing urban park and walking path
- Provide adequate retail choices within the commercial development (Supermarket and restaurant)
- Rearranged existing bus stand with car park to enhance maximum potentials of the land







## BANDARAWATTA JUNCTION DEVELOPMENT PLAN

Name:

D. M. S. D. K. Dissanayake

Supervisor:

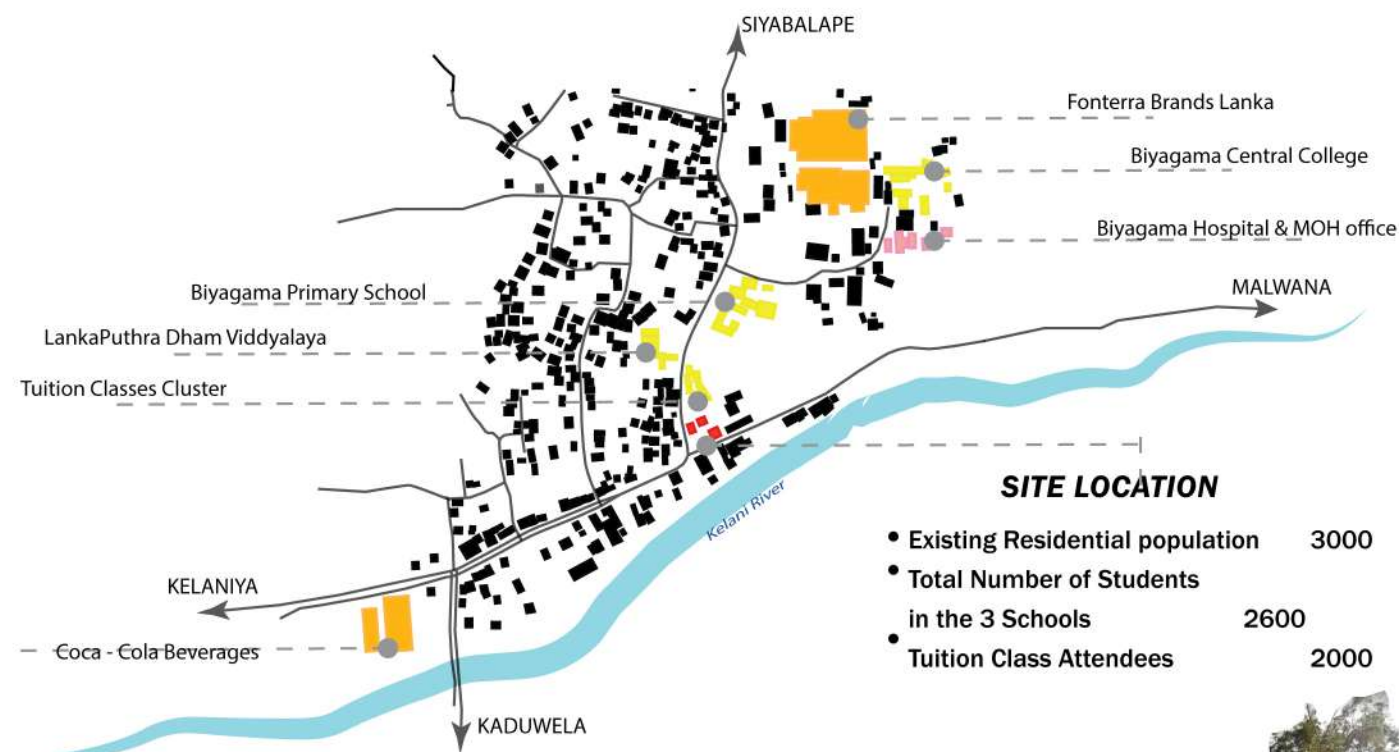
Dr. Chatura De Silva

E mail:

sandunimayanz@gmail.com

Index Number:

172307E

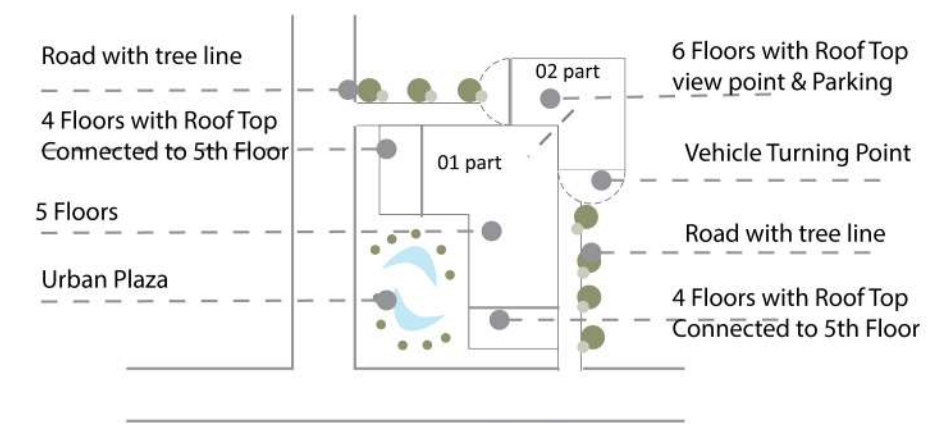
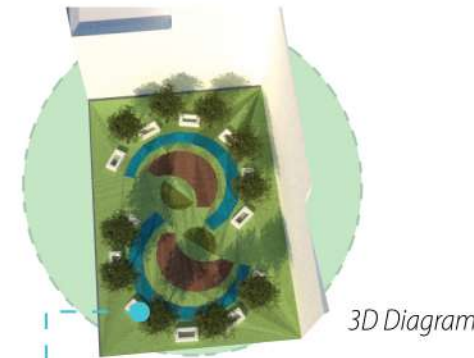


SITE LOCATION	
• Existing Residential population	3000
• Total Number of Students in the 3 Schools	2600
• Tuition Class Attendees	2000



Biyagama is one of the major industrial cities in Sri Lanka with several leading industries located. Therefore, this plan will address the existing users of the area, the transit connections, natural elements of the site, underutilized and underdeveloped land and the future development potential of the site.

The selected junction area is located in the high benefited area in the terms of accessibility, market potential, social connectivity, and natural elements. Currently, this site is in an underutilized and inefficient condition. The community's expectations of the area, were identified by the online survey and the google local guide reviews. Most people expected to have a shopping complex in the area. the second most expected development is to open space for leisure and bus stand facilities. As the next step market analysis and development potential were calculated. The proposed site plan contains main two parts including a commercial building and an urban plaza. The commercial building is divided into 2 parts considering the functionality and activities that promote. The design of a place is closely related with how people will interact with a place, how they experience of a place. Therefore, the following design concepts used for Create the site more unique, sustainable and efficient way.



Conceptual Diagram

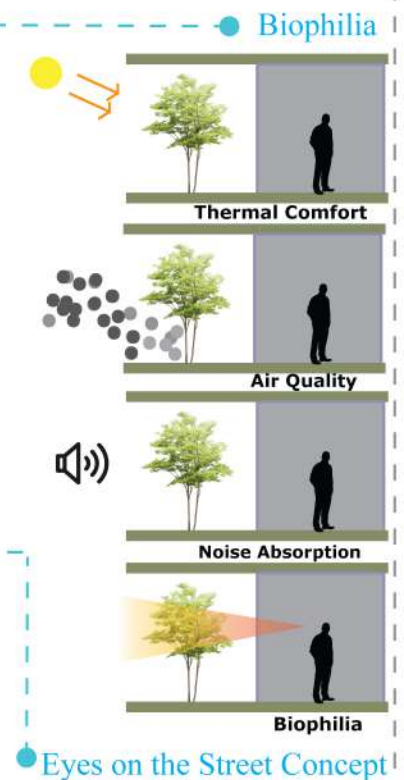
"When there are people present in a public space such as city streets, it strengthens the space and inspires social cohesion."  
- Jane Jacobs

### Design Concepts

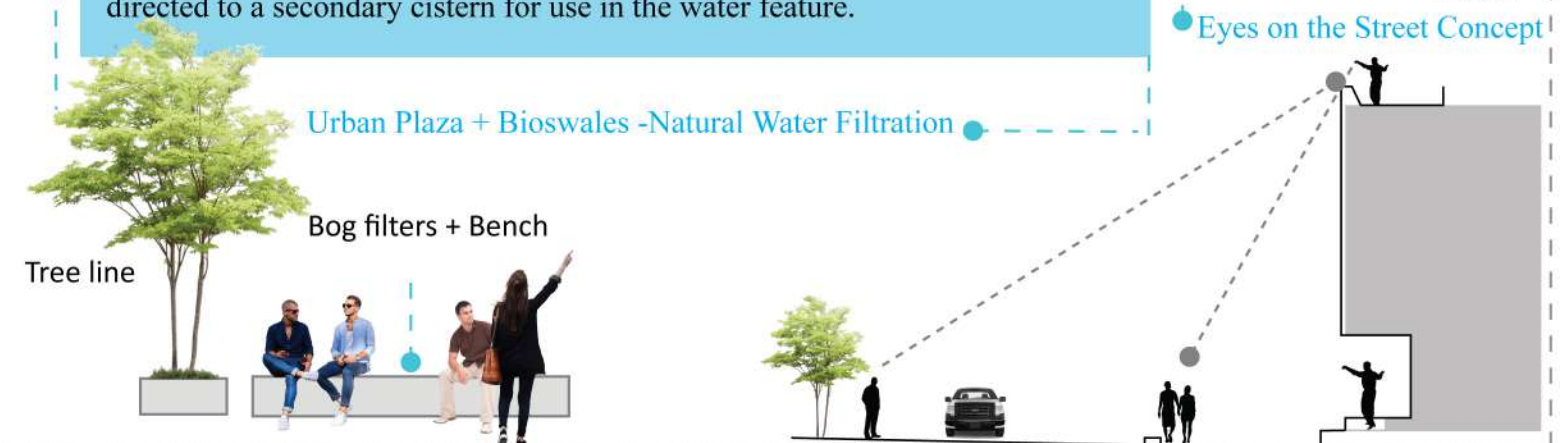
The commercial building and the urban plaza are designed to enhance the connection between, people, buildings and nature. tree lines will be protected thermal comfort, improve air quality inside and the outside of the building, reduce the noise from traffic, improve shadiness and create a greater view. the windows and walls design according to weather patterns (sunlight, wind, and rain)

In the aim of creating a safer environment, the concept of "eyes on the street" has been considered when designing this site. The windows and rooftop area arrange towards the streets, and the urban plaza (public open space) will strengthen this concept. This will keep the movement and security of the place especially the children and women who walk through this area will feel safer than walking through a close-in area.

Stromwater rises through layers of gravel planting media and bog plants that filter the water by removing sediments and absorbing toxins. Using gravity to move through the bog pools, the water eventually terminates in a pool and is directed to a secondary cistern for use in the water feature.



Eyes on the Street Concept











**Name – M.L.L.S Ekanayake**

**Supervisor – Architect. Kokila Sooriyagoda**

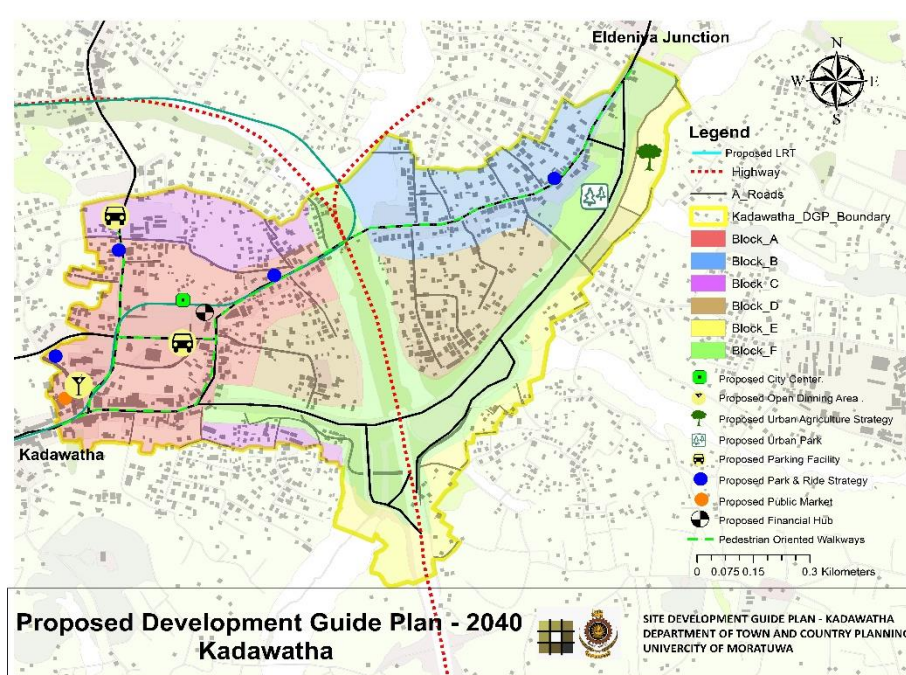
**E-mail – [sathyaekanayake14@gmail.com](mailto:sathyaekanayake14@gmail.com)**

**Index No – 172309L**

Kadawatha City Center Development Project was prepared in fulfillment of the requirements of the module of Site Planning and Design Studio of the Hounours Degree of Bachelor of Science in Town and Country Planning.

The city of Kadawatha situated in Colombo - Kandy main transportation corridor is experiencing accelerated growth, and, with it, her landscape is transforming. Kadawatha is gaining the nation's attraction as a rising transportation hub with the expressway network and proposed Light Rail Transit, able to attract flourishing investments.

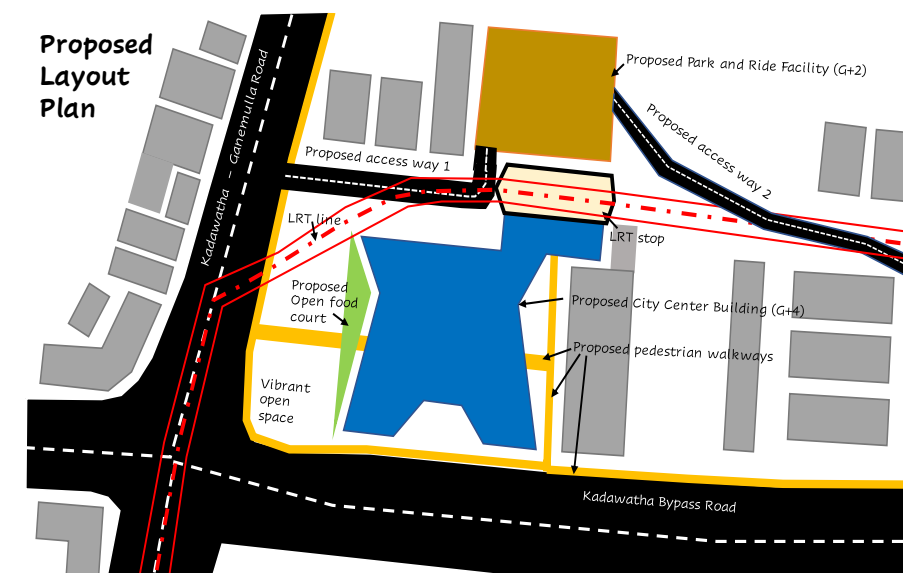
The proposed Development Guide Plan of Kadawatha which was prepared in the previous stage guides the development via six guided blocks and with that, Kadawatha is now ready to face its challenges. The selected site for Kadawatha City Center is located in, Block A, the Urban Core Area in 1.23 Hectares of immense potential land.



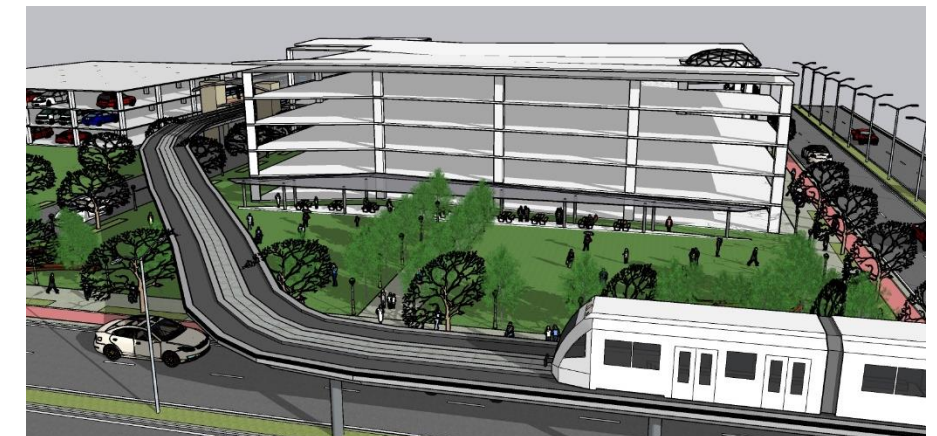
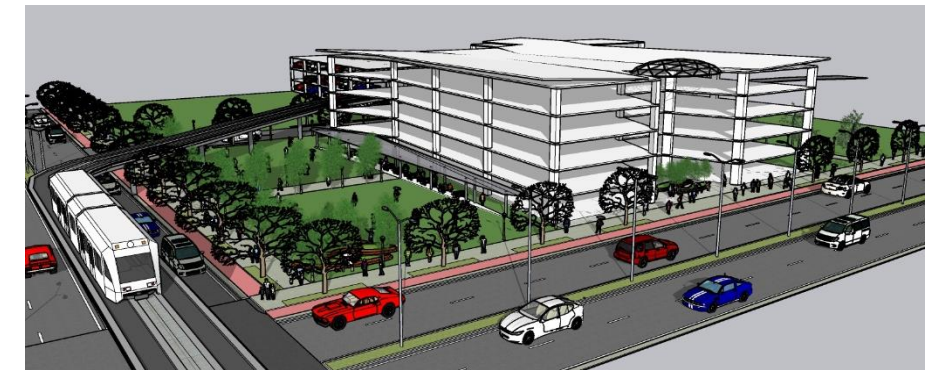
## KADAWATHA CITY CENTER DEVELOPMENT

The site is the land of existing Kadawatha bus stand which is bounded by two balanced roads which have a high pedestrian flow. The proposed first route of Light Rail Transit (LRT), from Ragama to Bambalapitiya and Thunmulla Junction via Colombo Fort, lies through the site.

Considering the site's problems and potentials, three alternative development potentials have been identified. concerning the fitness against the proposed DGP, inhabitants' needs and the interests of current and future stakeholders, development of a City Center along with the LRT stop, and a Park and Ride facility, which is envisioned to transform the site into a livable urban space where you can find everything you need under one roof, would be the highest and best use of the site. It also directly contributes to the local, regional, and national planning directions and the concept which Urban Development Authority promotes for LRT stops.



The proposed city center facility will consist of supermarkets, food courts, movie theatres, pharmacies, textiles, banks, public markets, kids' play area, gaming zone, city beds, etc. on 185 000 sq. ft. of G+4 floors. A 10m accessway from Kadawatha- Ganemulla Road is proposed and, another one is developing with the Multi-Model Transport Hub Project besides. The LRT terminal is connected to the third floor of the City Center and, an open food court is also proposed on ground level. The Park and Ride will consist of 600 standard and 50 two-axial parking slots.



This development will not only benefit the present generation along but will be a treasured resource for the next. While helping the mobility of you all, you can find everything you need under one roof. Also, will bring a change in how you travel, live, work and play.





FINANCIAL & ADMINISTRATIVE SQUARE

Name: H.M.A.P. HERATH  
Supervisor: Archt. Kokila Sooriyagoda  
E – Mail Address: [achiherath95@gmail.com](mailto:achiherath95@gmail.com)  
Index No: 172310G

LAND OWNERSHIP: Urban Development Authority (UDA)



Figure: Existing Situation of Identified Site/ Source: Compiled by Author

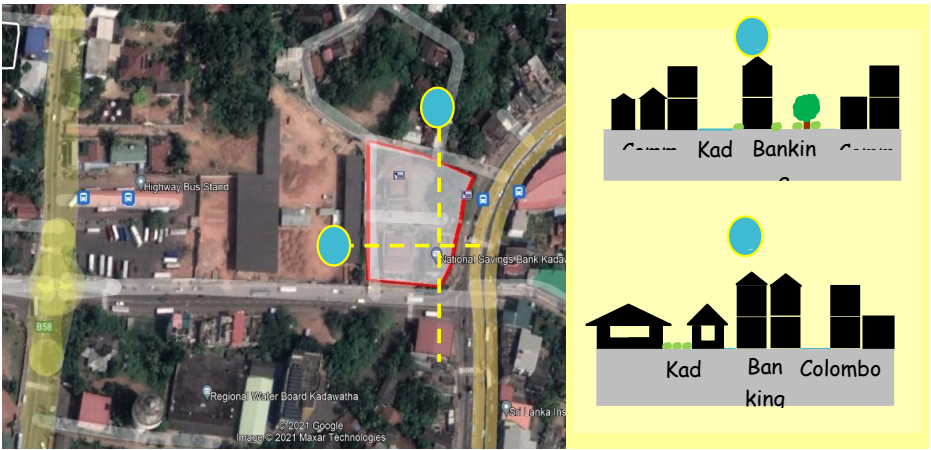


Figure: Cross section view of the site (Existing Situation) / Source: Compiled by Author

DESIGN CONCEPT – LAYOUT PLAN

This is the draft concept of the Proposed Financial and Administrative Square Project in Kadawatha 2040.

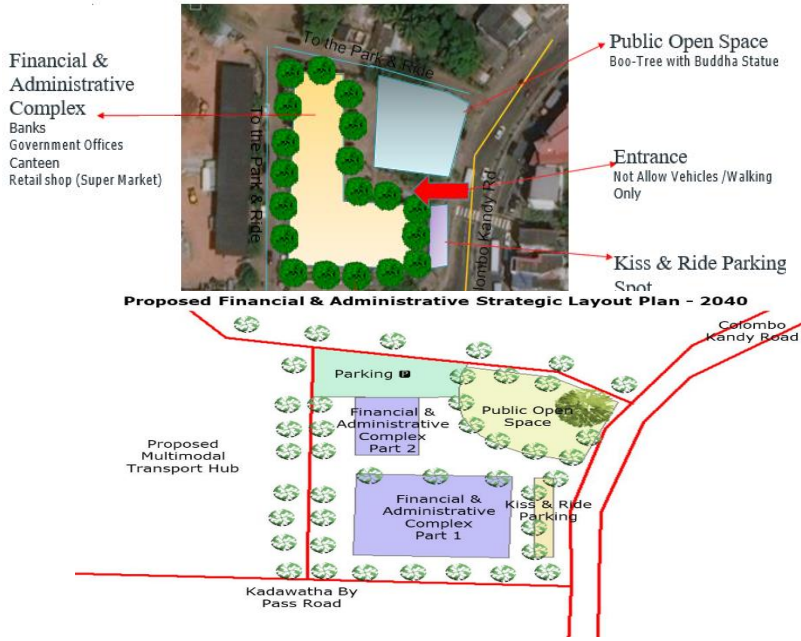


Figure: 2D View of the proposed Layout Plan / Source: Compiled by Author

RATIONALE BEHIND THE PROPOSED ELEMENTS

Financial & Administrative Complex 1

- Building Extent (Area) - 1191.6 Sq.m
- Building Height - G+2 (with Green Roof Top)
- Ground Floor – Banking Complex
- 1<sup>st</sup> Floor – Administrative Offices Floor
- 2<sup>nd</sup> Floor – Office Uses / Public Library



Figure: 3D View of the Financial & Administrative Complex 1 / Source: Compiled by Author

Financial & Administrative Complex 2

- Building Extent (Area) - 345.4 Sq.m
- Building Height - G+2 (With Green Roof Top)
- Ground Floor – Canteen /Open Cafeteria
- 1<sup>st</sup> Floor – Retail Shops
- 2<sup>nd</sup> Floor – Shops (Clothing/Electric Items)



Figure: 3D View of Financial & Administrative Complex 2 / Source: Compiled by Author

Public Open Space

Land Extent (Area) - 968.6 Sq.m

Elements

- Statue of Buddha
- Boo Tree
- Seating Area
- Boulevards

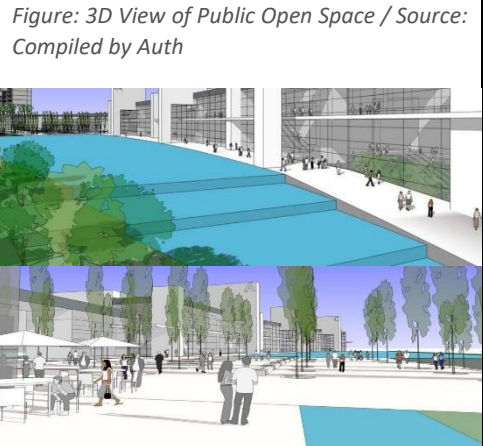


Figure: 3D View of Public Open Space / Source: Compiled by Auth

INTRODUCTION - LOCATION

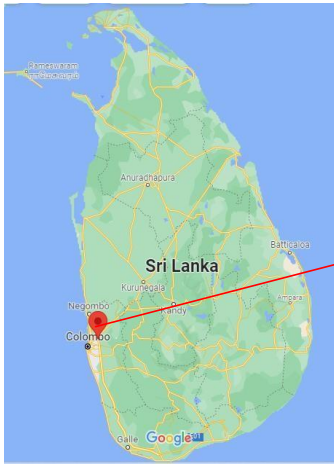
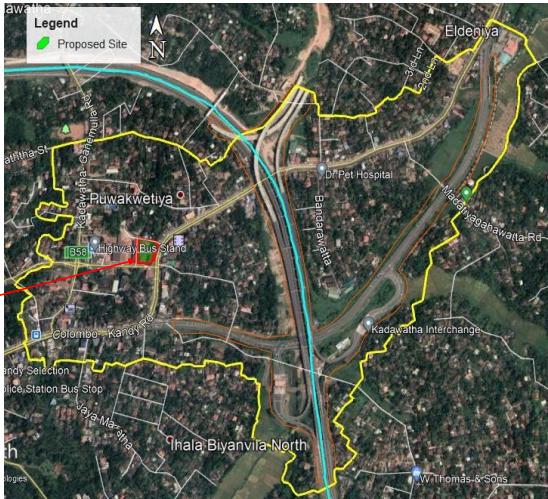


Figure: Map of Location/ Source: Google Earth



REASONS FOR THE SITE SELECTION

1. The identified location is in the Kadawatha Town Center area, especially it's located near the Kadawatha Bus Stand. (Proposed Multimodal Transport Hub) Mainly it's located near the Highway Bus Stand
2. And also in the existing situation, there is a banking complex
3. And in near future, this site will be a prime location in Kadawatha city center with developing multimodal transport hub and LRT line
4. It's located faced to the new Ragama road and Colombo Kandy Main Road
5. That site is located between the main nodes in the proposed Kadawatha DGP area.

PROVINCE: Western Province

DISTRICT: Gampaha District

LAND EXTENT: 1 Acre (160 Perch)



# URBAN MARKET & RECREATIONAL AREA- KAHATHUDUWA

## “Green Grocery Kahathuduwa”

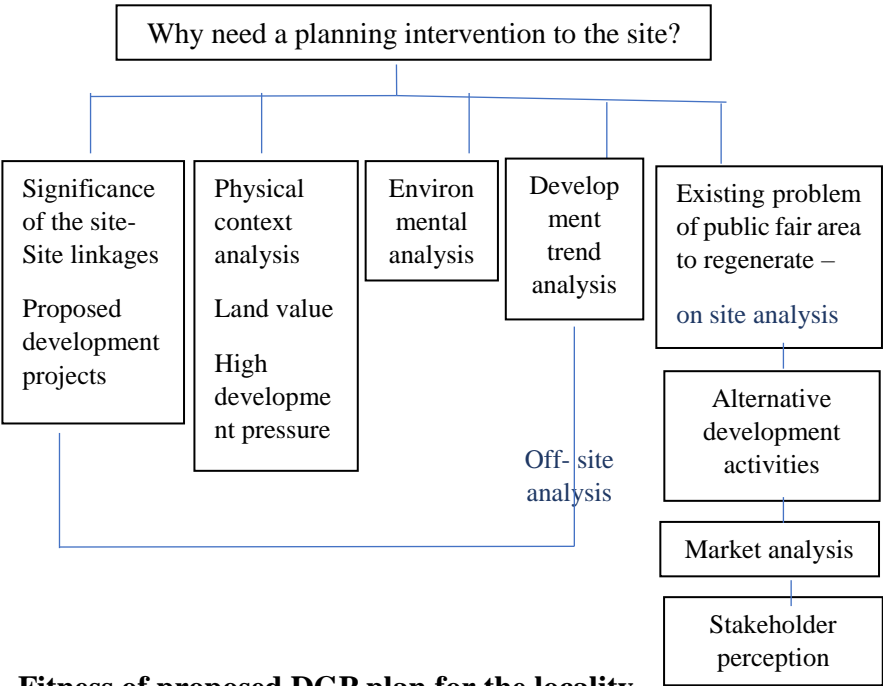


Name; H.M.S. Wageesha Herath  
Supervisors: Plnr. Susantha Amarawickrma,  
Plnr. Prathibhani Bandusena  
Email; [wageeshaherath12@gmail.com](mailto:wageeshaherath12@gmail.com)  
Index: 172311K

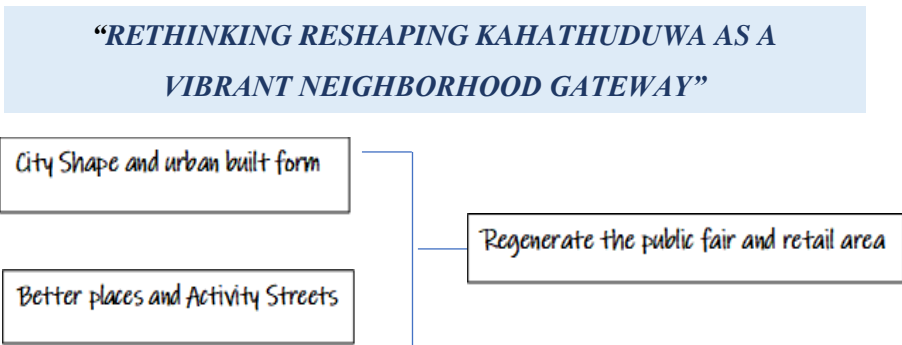
### Introduction

Selected site is located in Kahathuduwa area which is the area selected for DGP boundary in first stage on site planning. Kahathuduwa is located in Homagama, Western province Sri Lanka. It can be identified as a small township which shows lots of development characteristics due to the gains of transportation development. It can be justified as an emerging township by 2030 which shows lots of development characteristics.

### Necessity of the plan



### Fitness of proposed DGP plan for the locality



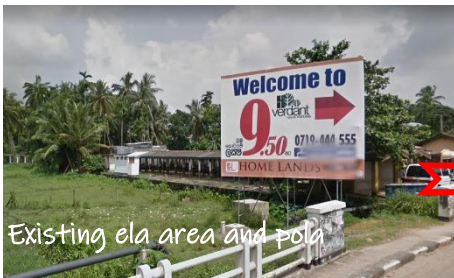
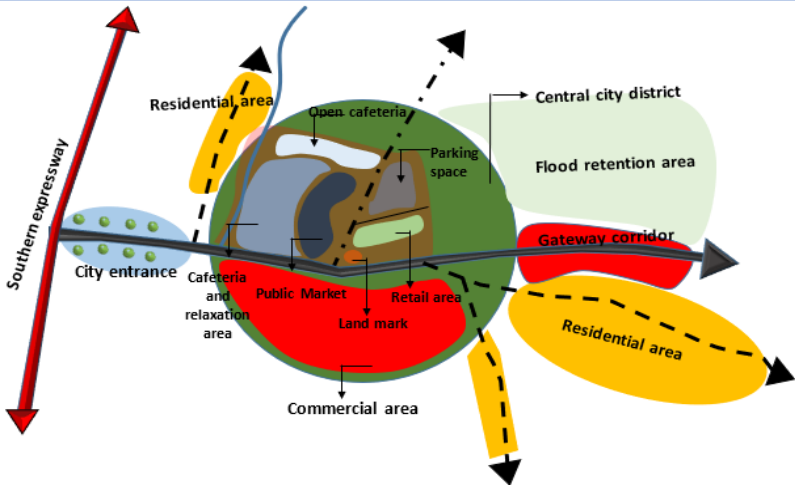
### Concept

Due to the transport linkages, connectivity and the expressway, there is an increasing demand for the residential uses in Kahathuduwa. Thus, the intention is to make a place which welcome people seeking a unique place to live and accommodate them in a fully integrated mixed-use neighborhood. Therefore, utilizing the lands in order to achieve mix of activities, creating a welcoming atmosphere for people, to ensure access to public facilities and gained leisure and pleasure living experience are the major concerns of neighborhood experience. According to concept is regenerate the Pola and surrounding area while ensure the following principles.

1. Enhance visual appearance of built environment through regenerate of the site
2. To utilize the lands in to the highest and best use while maximizing the potentials of the site
3. To provide convenient access for shopping, public amenities and other services
4. Adequate space provided for business/commercial activities within the gateway.
5. To provide safe and improved public gathering places/ open spaces

The development of a public market in the city planning is pivotal in supporting the growth of the local economy. The market is also a place where the culture of the locals evolves daily. Throughout history, markets and bazaars have served as an integral distribution point of goods and a meeting point for people and traders. According to this try to make public fair and surrounding are as better place for convenient shopping activities and gathering while minimizing the identified challenges and the harness the potentials.

### Conceptual Diagram





# Hanwella Majestic City Mart (HMCM) and New Bus Stand Development – Hanwella



**Name:** I.D.M.P. Iddamalgodha

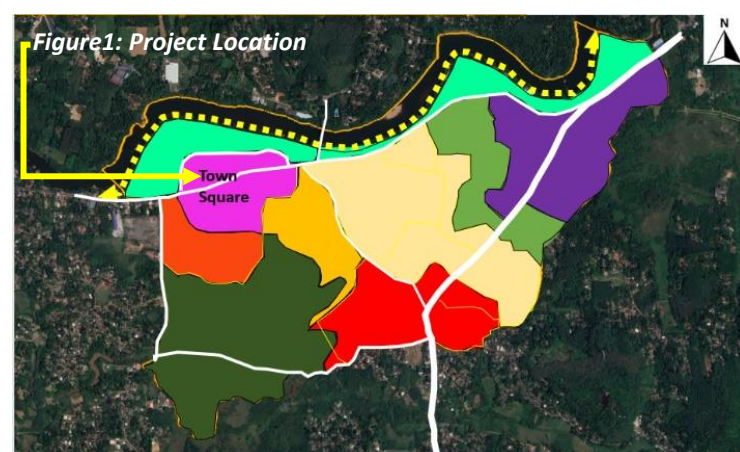
**Supervisor:** Dr. Emeshi Warusavitharana

**Email:** [idmpiddamalgodha@gmail.com](mailto:idmpiddamalgodha@gmail.com)

**Index No:** 172312N

## Exclusive Summary

This site project was carried out to align with Hanwella Development Guideline Plan (DGP) - proposed by stage 01. **“Eco2 Hanwella”** is the vision proposed under 2050 DGP for Hanwella. Under the proposed development plan for the Hanwella area, it comes with different zone to launch the different strategic action projects. This mentioned strategic action project is implemented under one of the zones that called ‘Town Square Development’.



## Site Details

- **Location** – Hanwella, Colombo district
- **Land Ownership** – Seethawaka PS
- **Total Land Extent** – 1.68 Acres
- **Accessibility** – Colombo – Hanwella Low level road (main), Hanwella By-pass Road, Hanwella Junction road, Hanwella bridge

## Project Details:

**Vision of the Project** – “A Step Towards the Comfort of the Local Community for Enhanced the quality of Urban life”

### Need of the project -

Problems to Mitigate	Potentials to Enhanced
Inadequate Public Facilities	Locational Advantages
Less Town Attraction	Massive Development Trend
Poor Land Utilization	Transportation Oriented Neighborhood
Most of Important Commercial and Service Facilities are Decentralized	Variety of Surrounding Activities
No well-organized of the town structure	Scenic View

Table: Rational of the proposed project

### Potential Use and Benefit for the Public

- Reducing the time wasting by centralizing existing decentralized important commercial and service facilities in the town square (Able to obtain significant number of facilities from a one place)
- Getting more commercial benefits through retaining the commuters in the Hanwella town square
- Enhancing the town attraction
- Making the well adaptive, and integrated neighborhood community with upcoming development
- Improving the walkability and commuter interactions by improving accessibility and enhancing the locational connectivity

### Investment Plan

- Hanwella New Bus Stand – Totally funded by UDA and Seethawaka Pradeshiya Sabha (PS)
- HMCM – Private public partnership (PPP) (UDA + Private investor)

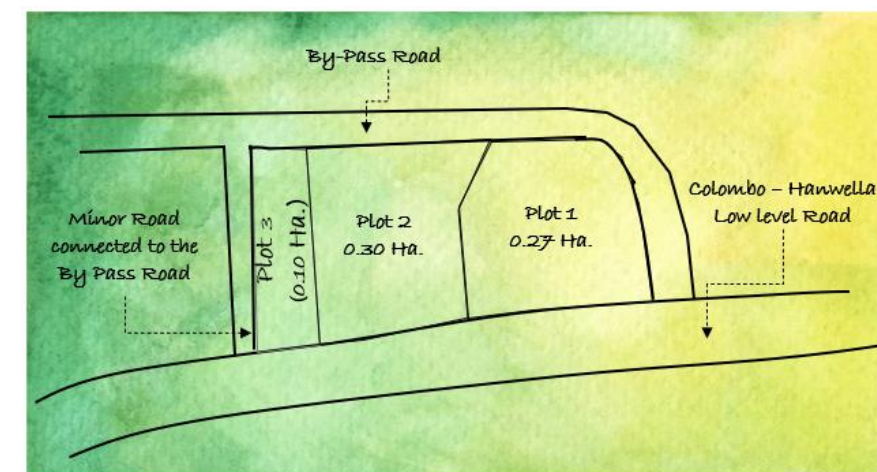


Figure2: Survey Plan of the Study Area

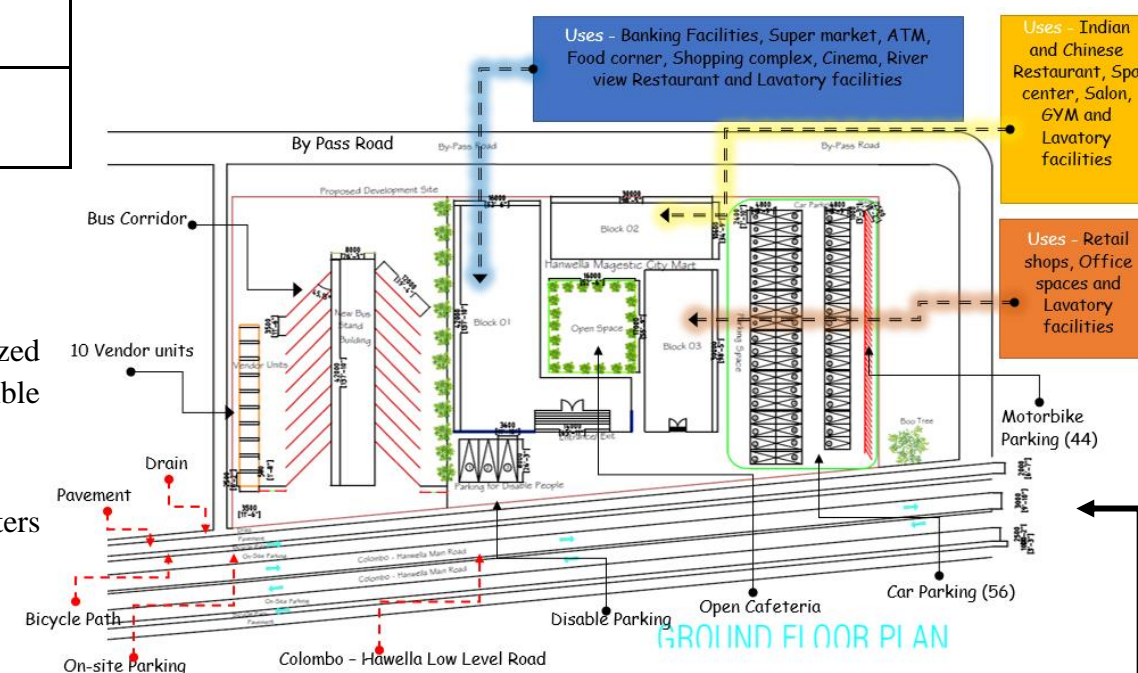


Figure3: 2D and 3D Layouts of the Proposed Project





# “CITADEL DEVELOPMENT”-WORKERS’ HOSTEL DEVELOPMENT PROJECT



**Name:** Dilsha Jayamaha

**Supervisor:** Dr Wathsala Gunawardhane

**Email:** [dilshajayamaha@gmail.com](mailto:dilshajayamaha@gmail.com)

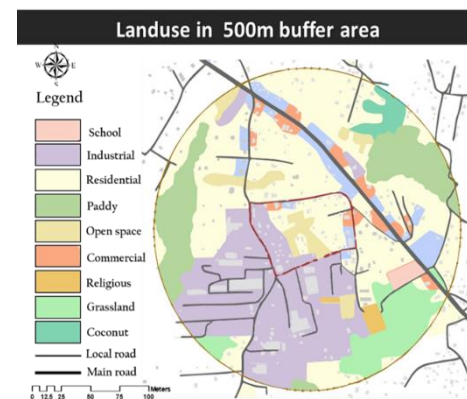
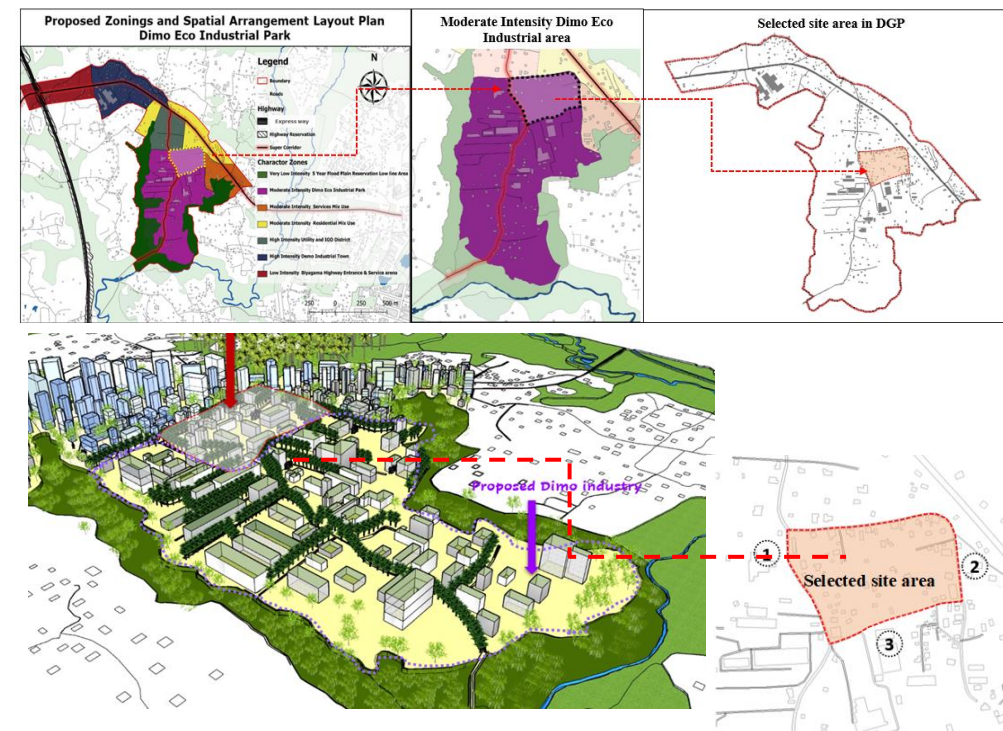
**Index No:** 172313T

## Executive Summary

Site is located at Biyagama in Gampaha District. It was located 19.3 km away from the Colombo port and 37.6 km away from the Katunayake airport. As well, it has positioned closer proximity to Kadawatha, Biyagama cities. This area selected by Biyagama Local plan (Eco Industrial Park Development). According to the land use analysis can be identified most of the area which is 35% area is residential and 28% of the area belongs to an Industry.

Citadel development should be built as a major hub of the industrial zone. This can be referred to as a main wall. All security and infrastructure requirements must be providing hear. The main purpose here is to live in a comfortable environment.

- Place for people
- Enrich the existing
- Make connections
- Work with the landscape
- Mix use and forms
- Manage the investments
- Design for change



## Need of a Development Strategic Action Project

According to the UDA regulation 2006-2015 that is identify this area as the Industrial Zone. The attention of the site this area developing as the industrial based on the development projects and the based on the development trend. According to the upcoming future development around the site area, clearly identified the Road development projects, infrastructure development projects and residential apartment with the hotels in surrounding to the site. If we consider about the existing land use context to the future development scenario of the area there will be high change of value.

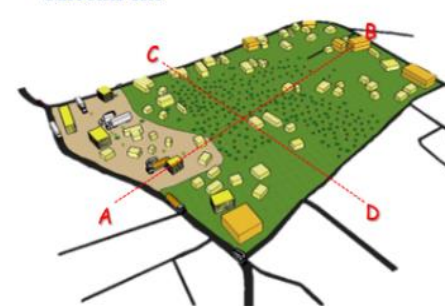
## Proposal Plan for the Citadel Development

- A.** Workers’ Hostel Building A-1
- B.** Workers’ Hostel Building A-2
- C.** workers’ Hostel Building B-1
- D.** Workers’ Hostel Building B-2
- E.** Workers’ apartment complex
- F.** Dima Head Maintain Office and Training school
- G.** Recreational Park with vehicle Park
- H.** Pocket Park with Exercise Station
- I.** Open Market and Cafeteria



## Perspective views of the site Layout

Currents site



## Proposed site







Name : I.M.H.L. Jayasekare  
Supervisor : Professor Rangajeewa Rathnayake  
Email Address : [jayasekarehansi@gmail.com](mailto:jayasekarehansi@gmail.com)  
Index Number : 172314X

## Development Guide Plan for Padukka Town - Padukka Mixed Use Development

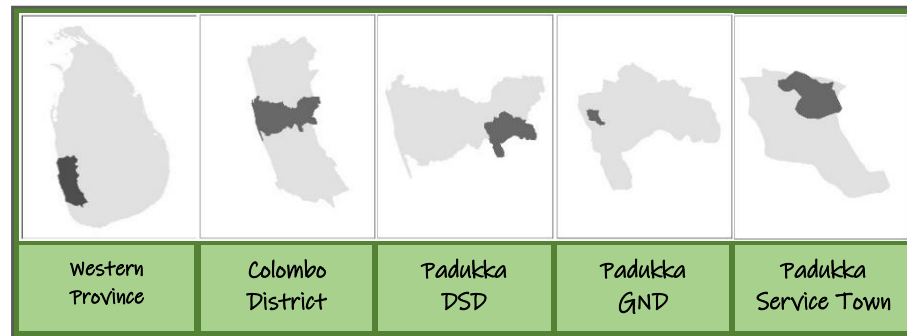
## Introduction

The development Guide Plan for Padukka has been prepared for 2040 under the first phase of the studio. And the second phase a development project proposal for Padukka should be prepared in relation to this Development Guide Plan for 2040.

The site was initially identified and the suitable development activity was identified for the selected site. Under the second phase the proposed project was a **mixed use development center** in the Padukka Service Town. And a layout plan was prepared for the proposed development activity and the preliminary cost for that was estimated. Then the evaluation of impact was identified under the different appropriates. Finally, the investment plan and implementation strategy for the proposed mixed use development were prepared.

## Location

Padukka is an administrative division of the Seethawaka Pradeshiya Sabha in the Colombo District of the Western Province, Sri Lanka. Padukka is located 30-33 km from the Colombo district border and is part of the Awissawella electorate on both sides



### Padukka Location

## Vision

**“Padukka”, Commuter Epicenter & True Neighborhood Living  
Nourished by the Kelani Valley.**

## Goals

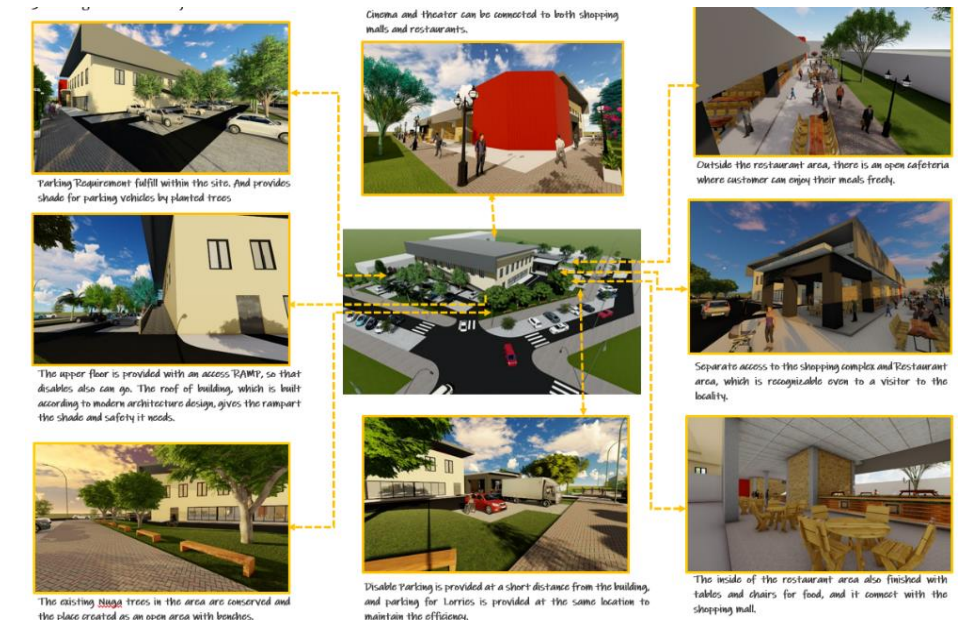
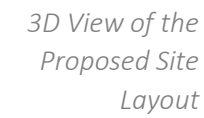
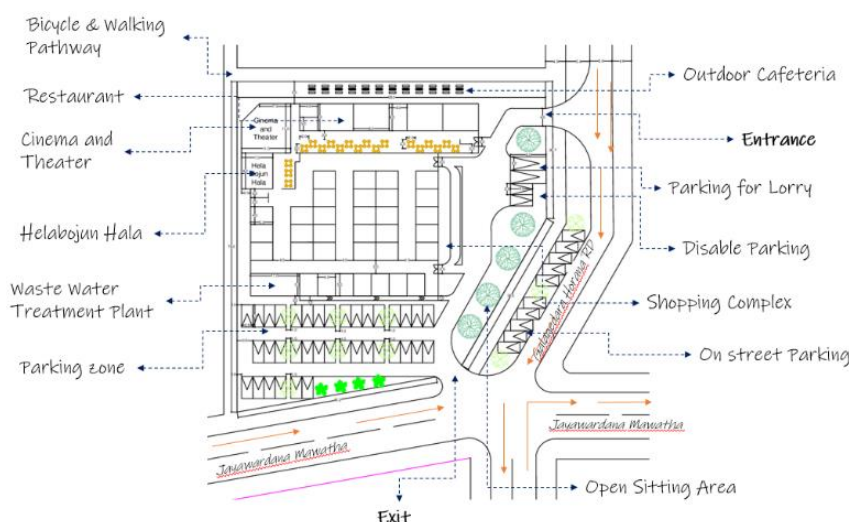
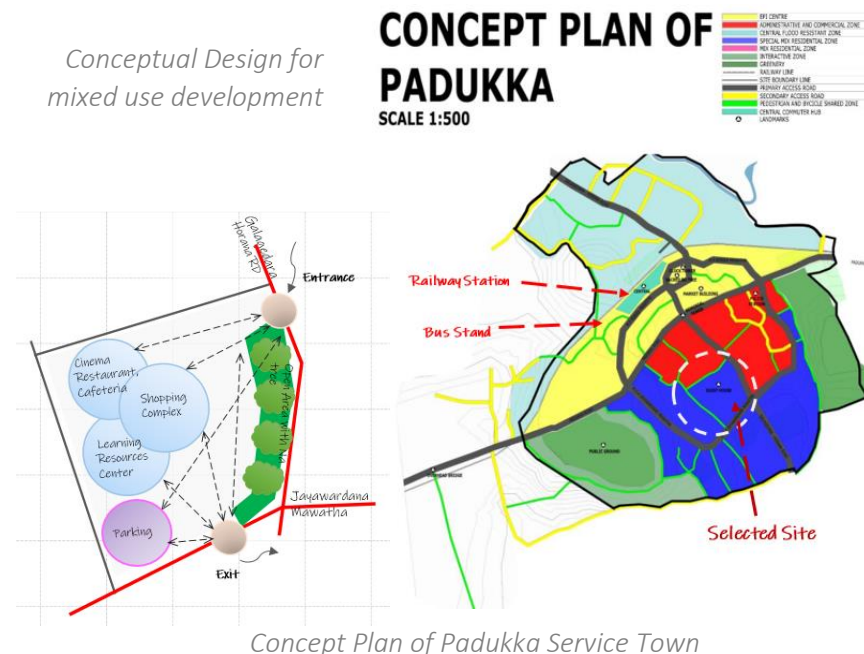
*GOAL 01* - Thriving commuter suburban with positive social encounters.

*GOAL 02* - True neighborhood living experience with intelligent design features

### GOAL 03 - A healthy and resilient neighborhood

## Mixed Use Development for Padukka

According to the proposed KV line project, Padukka railway could be converted into a larger scale station. As a result, people traveling at high level may be more inclined towards railway transportation, which may create a huge demand for travelling through the Padukka. Also, according to the zoning concept presented in the phase 01, with the high promotion of functioning in the city of Padukka, an advantage in the surrounding area can be achieved in a period of about ten years. Taking this situation into consideration, it is assumed that due to the promotion in the city of Padukka, the need for this mix use development will arise and this development will be prophesied for 2045.



### *Design & Connectivity within the area around the site*





Name: D.M.N.H Jayathilaka

Supervisor: Archt. Kokila Sooriyagoda

E-mail address: [niroshajayathilaka4@gmail.com](mailto:niroshajayathilaka4@gmail.com)

Index no: 172315C

Kadawatha is a fast-growing urban center with high development pressure located in Gampaha district, Western province of Sri Lanka. Kadawatha has developed and is currently developing as a gateway to Southern province to Northern Province with ongoing and proposed projects. This DGP is intended to develop the area as a human centered place where one can find “what they search in Kadawatha” with vibrant service clusters, walkable streets and public spaces, buildings with active ground floor uses, pedestrian-oriented entries, facades that provide direct, convenient, safe and attractive access to transit.

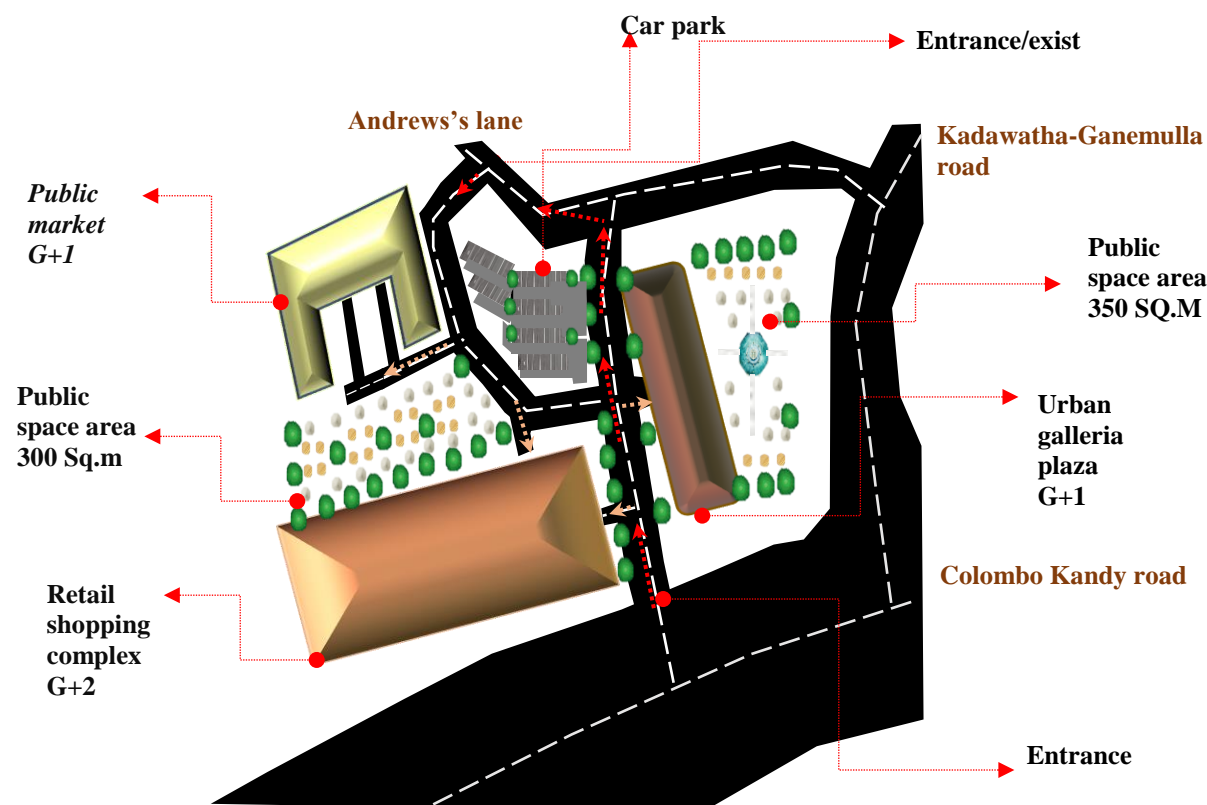
The proposed development guideline vision and the concept as follows” to be a flourishing and energizing transit oriented which serves and facilitates its inhabitants, commuters as well as the ones who travel through; not as an area where people just pass by, but rather stop, linger, converse, and generally live life. The goals of this proposed Kadawatha development guideline in 2040 are; “Walkable and connected, Dense and diverse, Vibrant and context sensitive”

The site development creates a path to achieve this goals and vision through creating urban plaza integrated development with Kadawatha public market area. Creating public market area, retail shopping complex and urban galleria shopping mall fulfill the objectives of “Provide great public spaces with easy access which encourage a feeling of safety and visual interest, reduce long and inefficient travel though providing a balanced mix of complementary commercial uses and recreational activities within close proximity, creating pedestrian friendly walkable streets, public spaces, entries, facades with active ground floor uses”. Making two open public space and parking area fulfill the objectives of “Built inclusive human centered places which becomes destinations with sense of belonging and increased livability”. When these development activities achieve the objectives of the proposed Kadawatha development guide plan-2040.

## Proposed Kadawatha Development Guide Plan – 2040

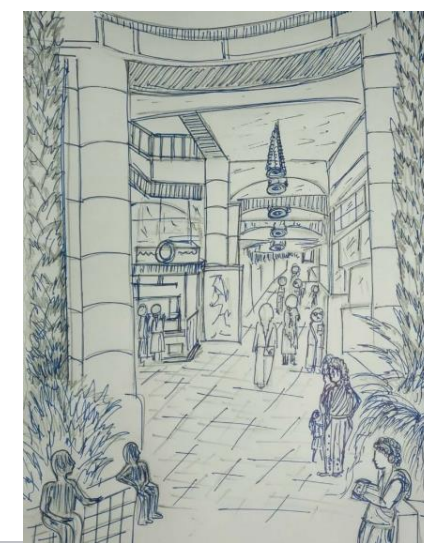
### Urban Plaza Integrated Development With Public Market -Kadawatha

#### Detail Design Of The Proposed Site Development



#### Key Design Concept

- Walkability
- Livability
- Vibrant
- Eyes on the street
- Diverse
- Inclusive
- Balanced mix of complementary uses







Name: - H.D.A.G. Karunathilaka  
 Supervisor: - Dr. Emeshi Warusawitharane  
 Email: - karunathilakagayaththri@gmail.com  
 Index No: - 172316F

## WATERFRONT DEVELOPMENT FOR KELANI RIVER IN HANWELLA

Proposed development implemented along Kelani River. The total land area is divided into 8 zones and each zone has specific features.

Total land area – 17.26Acres

Project Origin – Kelani Nadee Park

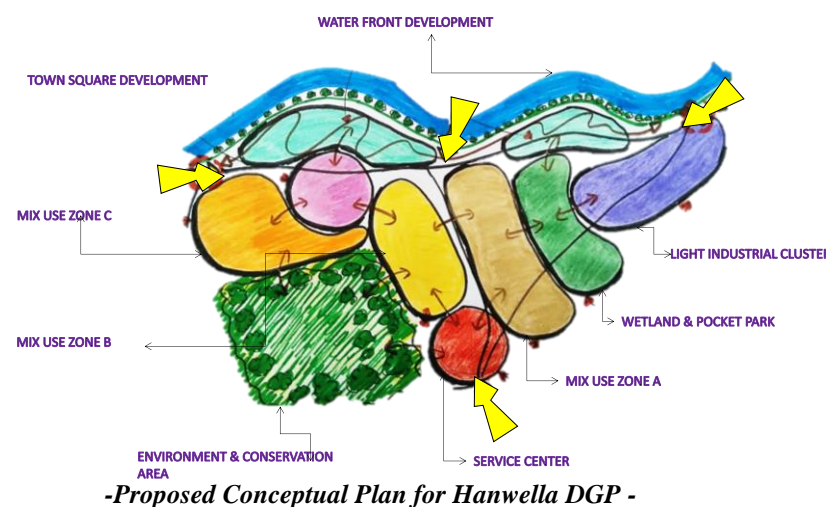
Project Destination – Hanwella Bridge

Land ownership – Seethawaka Local Authority, Sri Lanka Land Development Corporation

### Summary of the Site Planning

Site planning and design studio is a module that is scheduled for the undergraduate students in level 3 of the Department of Town & Country Planning as an individual planning project. Based on Hanwella DGP (proposed by the previous stage) has been proposed this site-planning project for Kelani riverfront in the Hanwella town area. “Eco2 Hanwella” is the vision proposed under 2050 DGP for Hanwella. Under this vision have been proposed two goals, **environmental sustainability**, and **economical sustainability**. Each of goal has two objectives and every objective has two strategies.

The proposed Waterfront development comes under the **environmental sustainability goal**. Under the proposed plan for the Hanwella area, waterfront development is the zone that implementing this strategic project.



This proposed development (waterfront development) helps to prevent encroachment, and functions as a buffer area for flooding.

This development creates benefits for the environment,

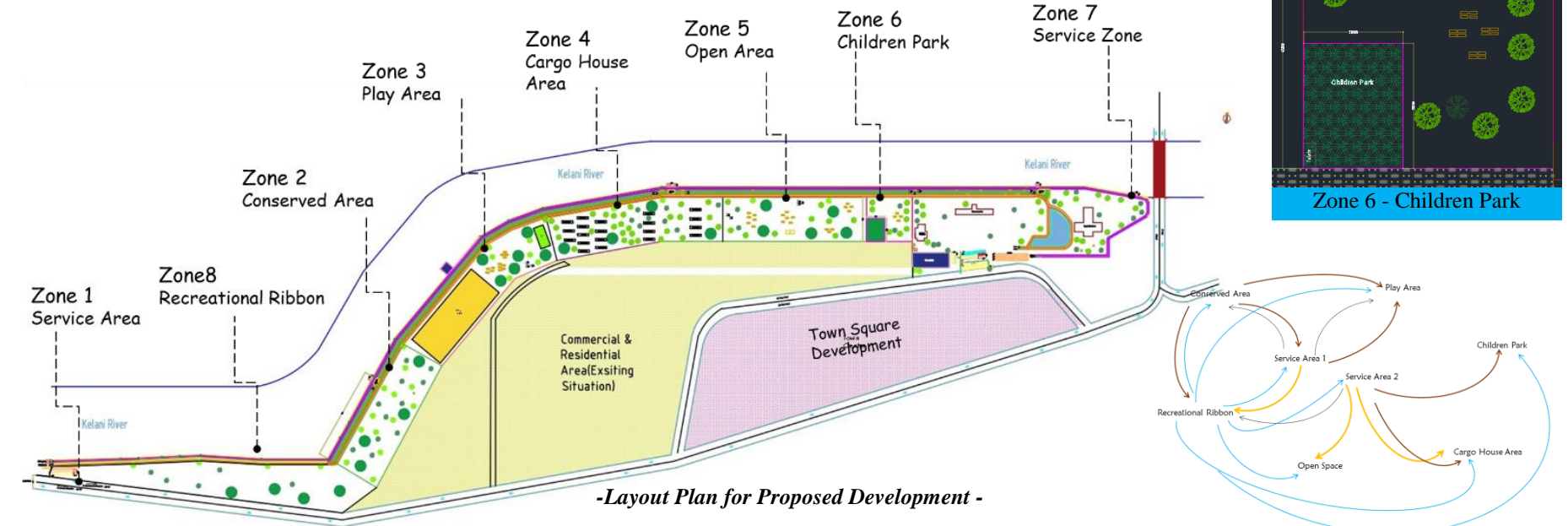
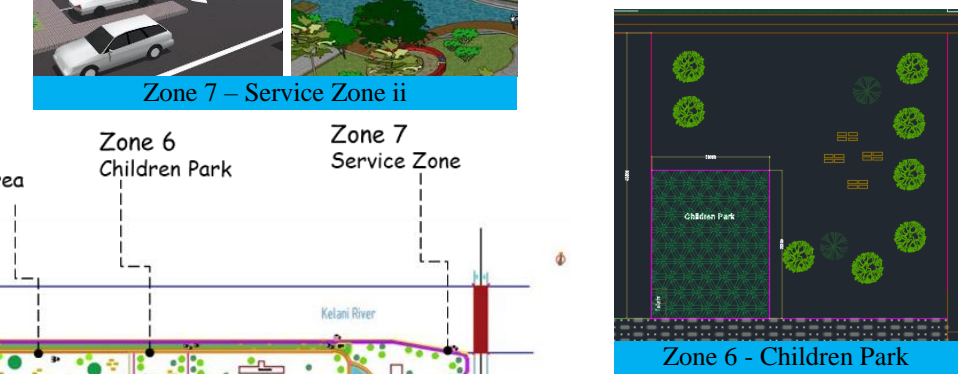
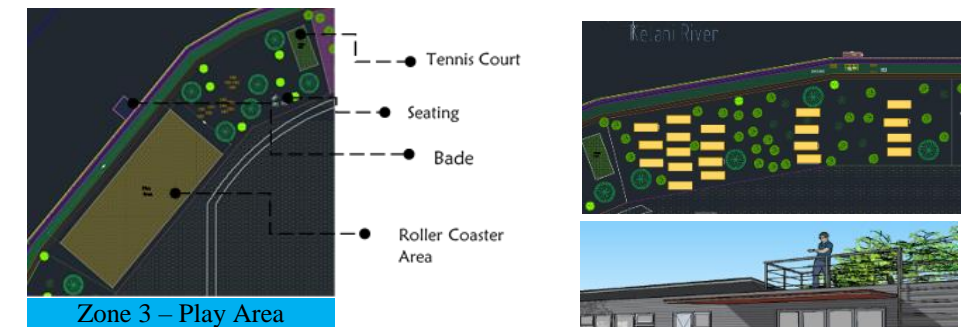
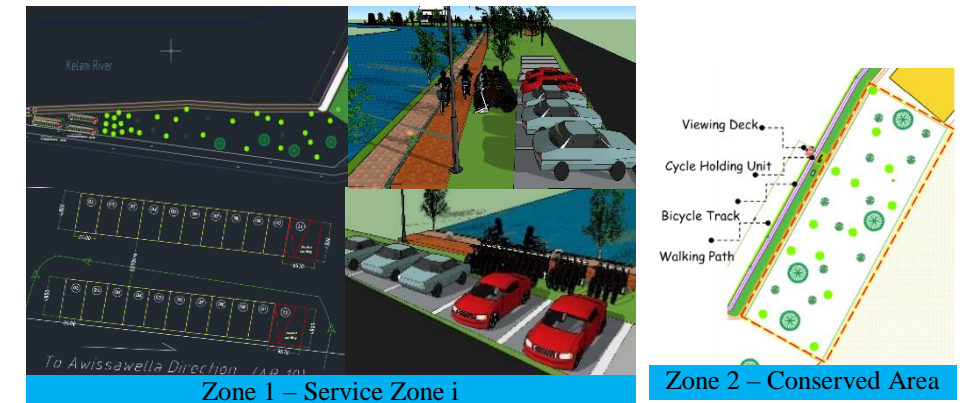
- Prevent Encroachment
- Reduce Water Pollution
- Mitigate Flood risk
- Sustainable Landscape
- Reduce soil erosion
- Enhance environmental beauty
- Reduce pressure on the city

Social

- Enhance the quality of life of the residence
- Increase social relationship
- Enhance the mental health of people

Economic

- Enhance economic activities in the city with small economic activities
- Create jobs opportunities
- Give the support for tourism activity enhancement



- Connection among zones -

Entrance

Service Provider

Flood risk Reduction

Connect to the water features





**Name**  
Naduni KasthuriArachchi

**Supervisor**  
Prof. Rangajeewa Rathnayaka

**Email:**  
naduni.nayanahara@gmail.com

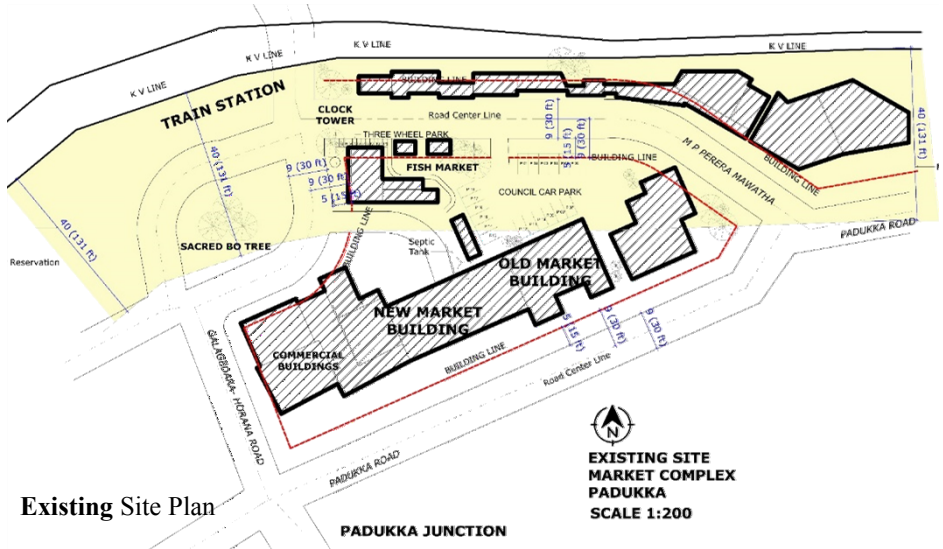
**Index No:** 172317J

Executive Summary

The Subjected site and its surrounding context, as the result of being commercialized in a slow rate due to the commuters travel across the town, retains a significant low to midrise with most buildings between 3m- 6m in heights. Setbacks also relates to its commercial nature, with zero front and no side setbacks in most of the commercial strips along the outer circular road where temporary outdoor market stalls are located. Some of the buildings have been constructed over the building line as in the following Site plan.

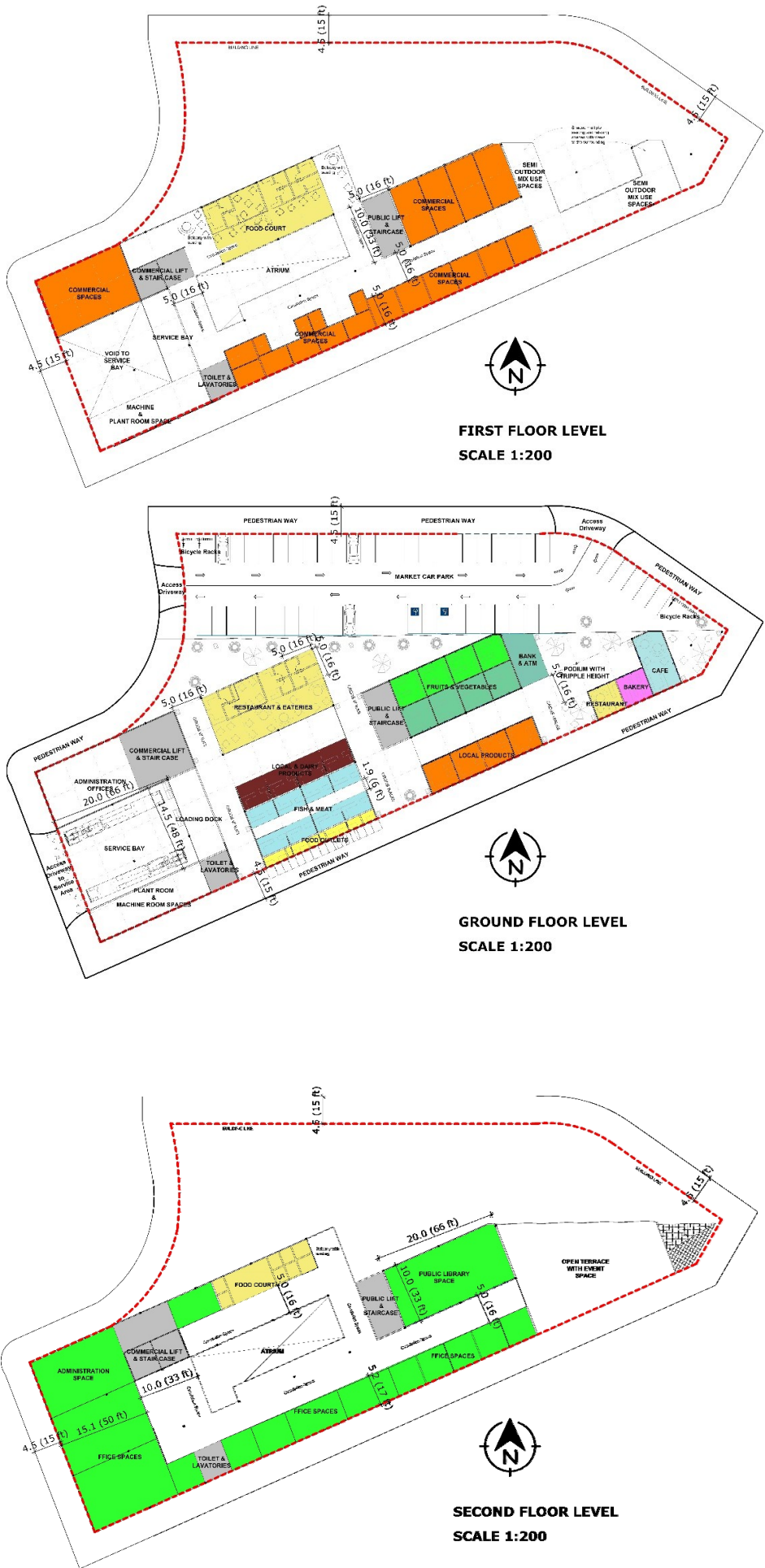
Site Details

Project title	Market Square
Sector	Industry and Trade
Sub sector	Internal Trade
Province	Western Province
District	Colombo District
Divisional Secretariat Division and GND	Padukka DS Local Authority-Padukka GND
Land Extent	1.2 Acres 192 P



Existing Site Plan

Project Design



VALLEY MARKET SQUARE

STRATEGIC ACTION PROJECT PROPOSAL

In this proposed market is designed as the way of mostly cost-effective and adding more community benefits while give opportunities for new investors. When creating ideas for the market infrastructure, however, there were few basic design concepts that considered. Space standards, material and structure selection, and the impact of the climate (rainfall, temperature, wind) on design are all aspects to consider.

The way space is used in markets varies greatly depending on the type of function it contains and proposes. The standards listed in the sections below. However, more precise descriptions of the different market sections have been prepared at the detailed design stage.





# SOUTH CITY MIXED USE DEVELOPMENT, HOMAGAMA

## STRATEGIC ACTION PROJECT PROPOSAL



**Name:** B.G.U.N. Kumari

**Supervisor:** Dr. Gayani Ranasinghe

**Email:** [udeninelum1@gmail.com](mailto:udeninelum1@gmail.com)

**Index No:** 172318M

### Executive Summary

Align with Homagama Local development plan vision of “Most Livable vigorous Domicile of the west by 2040”, Homagama town center Development Guide Plan (GDP) prepared following Transit-Oriented Development concept. This propose project will be implement of southern corridor under the boundary of the Homagama Town Center Development Guide Plan. The southern corridor is identified as the gateway of TechCity. The proposed development may landmark gateway in TechCity while providing symbolic value for Homagama.

### Site Details

**Location:** Homagama, Colombo District

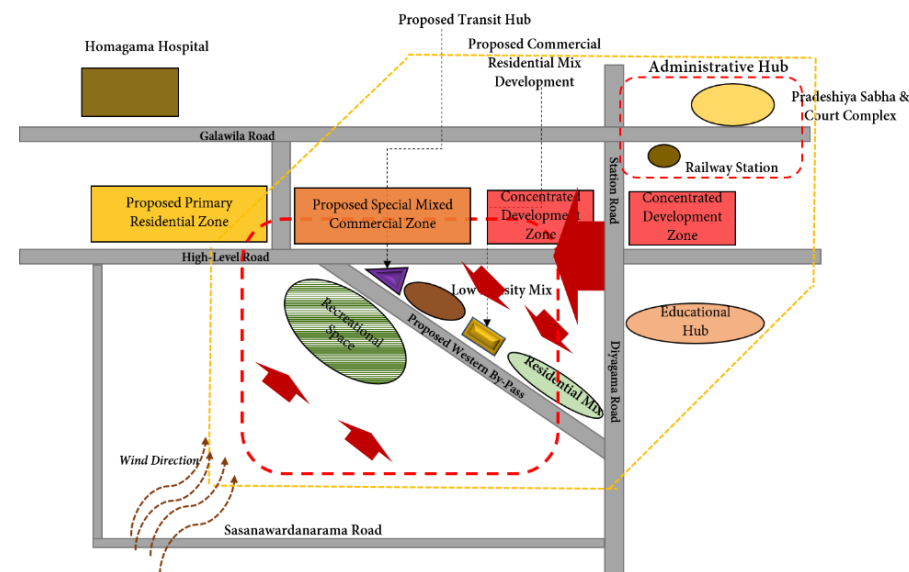
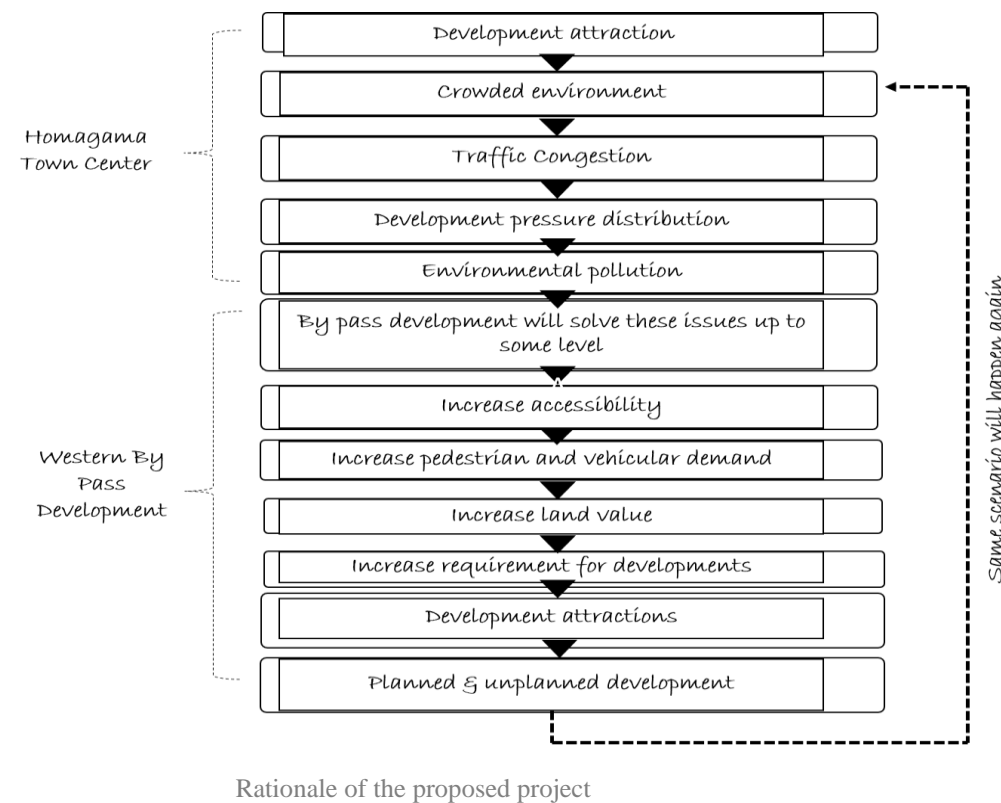
**Area:** 4.4 Acres

**Current Building Usage:** Abandoned Land

**Land Ownership:** Government

### Need of a Development Strategic Action Project

1. To accommodate services and facilities to future vehicular & pedestrian demand
2. To take best & Highest use of the land
3. To ensure livability while controlling development pressure

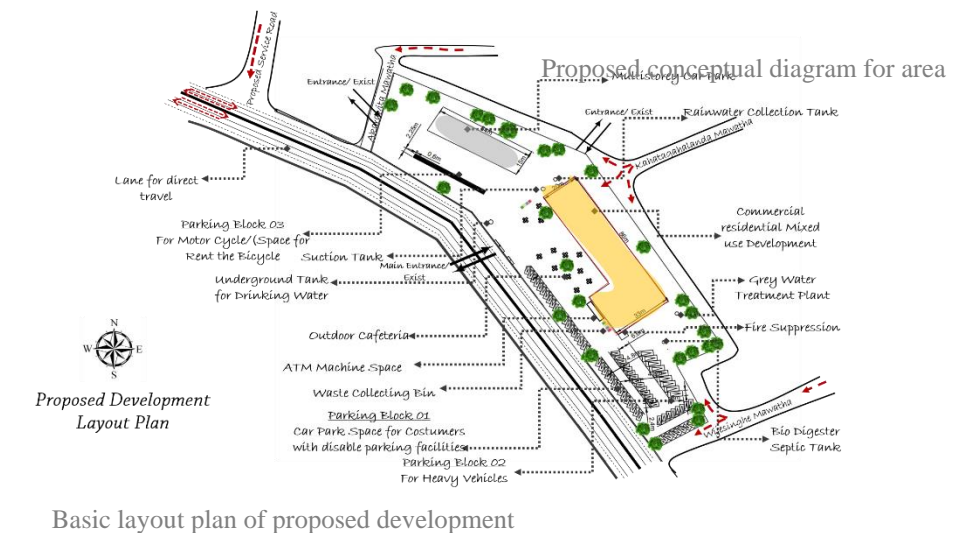
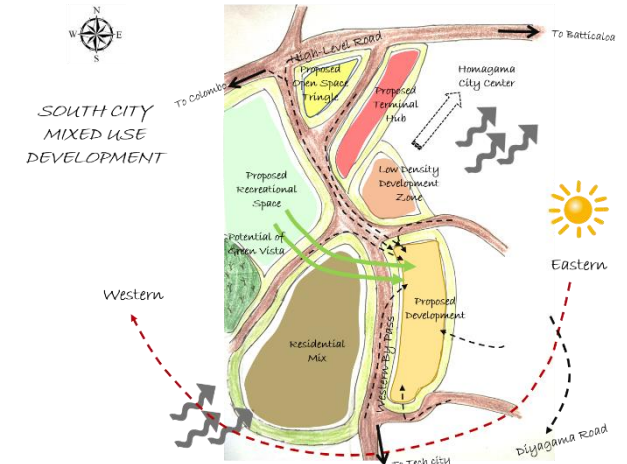


Desired Scenario with the proposed project

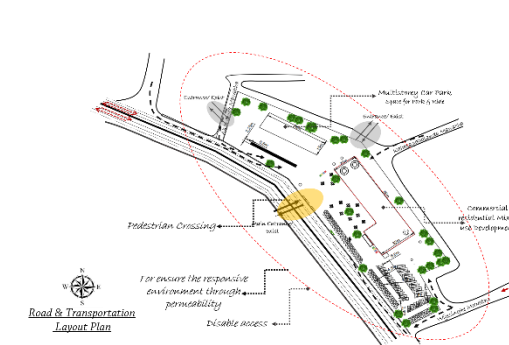
- Proposed south city mixed-use developments, will mainly consists of a mixed-use building, multi-story car park, and outdoor cafeteria.
- The proposed mixed-use building will have facilities such as communications, book shops, gymnasium, restaurants, juice bar, swimming pool, cafeteria, small shops, housing units, and so on.
- There residential facilities will provide

Space around 70 families and around 3000 population can use other services and facilities at once. As well as this development will provide around 600 job opportunities.

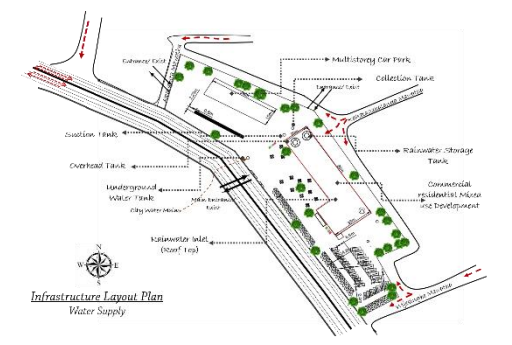
- This project mainly focuses to ensure liveability there.



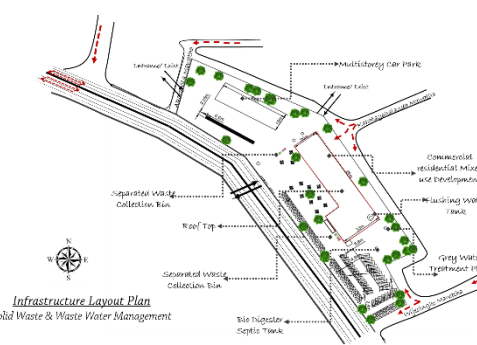
Basic layout plan of proposed development



Proposed road & transportation layout



Proposed infrastructure layout – water supply



Proposed infrastructure layout – Solid water & wastewater management



Proposed infrastructure layout – Open space & parking



## URBAN GREEN SPACE DEVELOPMENT



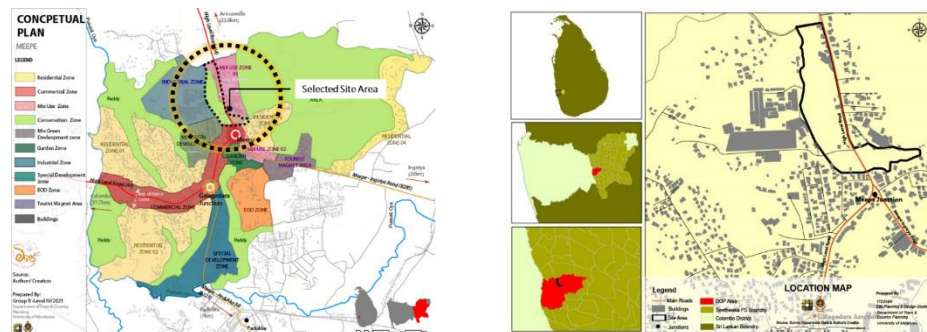
Name: K.A.D.H. Lakprasadini  
Supervisor: Dr. Shanaka Kariyawasam  
E – Mail Address: [dinithi22dhl@gmail.com](mailto:dinithi22dhl@gmail.com)  
Index No: 172319R

## INTRODUCTION

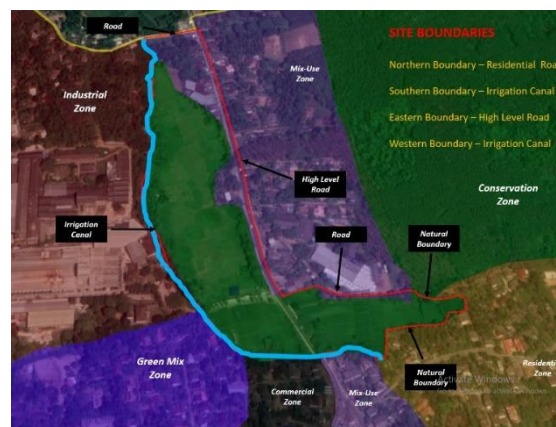
Site planning is developing a development proposal which is enhancing the potentials and addressing the current failures while taking the highest and best use of the site. It is arranging the external physical environment to support human behavior which is lies along different boundaries of architecture, engineering, landscape architecture and city planning. (Lynch, 1948) Due to progress in urbanization and development, retarding basin has decreased and it caused to inland inundation due to poor drainage capacity and lack of retention areas. The main intension of this site plan is to take the highest and best use of the site while managing the flood risk and low land areas where it is prepared for the future development trend of the area.

## LOCATION

Development Guide Plan (DGP) for Meepe is prepared in conjunction with the Seethawaka local development plan prepared under the module of (SP 3601) Urban Planning & Design studio. This plan contains series of development guidelines for different zones & strategic action projects. This site located in that proposed DGP area.



## SITE BOUNDARIES



### North

Residential Road

### South & West

Irrigation Canal

### East

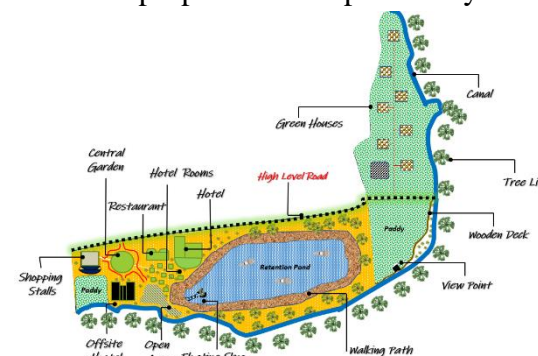
High Level Road

## JUSTIFICATION OF THE SITE SELECTION

- Flood Management
- Management of Paddy Land
- Surrounding Land Uses
- Upcoming Development Projects

## CONCEPT PLAN

Concept plan developed to the site area by considering its fitness against the proposed development guide plan. Proposed development focused to protect the uniqueness of the area & to make a population magnet where people attracted to the place daily while generating huge income through the development. As the development promote public & private spaces attraction & interaction of the people enhance the social gatherings. And also, through the proposed development visual quality of the place also increased. All the developments proposed by considering the permissible & non permissible uses proposed in the previously created DGP.



## DETAIL DESIGN



Detail design of the development carried out by considering the future development focused and also the existing regulations. Considered development guidelines & regulations. And identify the developable area of 22.2 Acres.

## RATIONALE BEHIND THE PROPOSED ELEMENTS



Offsite hostel to protect the privacy & the balcony's design to face to retention pond & paddy lands to take the opportunity of the scenic view.



Green bush belt used to protect the privacy of the hotel users, public open area users & hostel users.



Outdoor hotel rooms located facing to the retention pond to have the view & as it faces to the wind direction, cool environment generate. Small bush belt use to protect the privacy from walking path users.



Solar lamps & sand bed used for walking path to protect the natural setting as a sustainable energy usage.



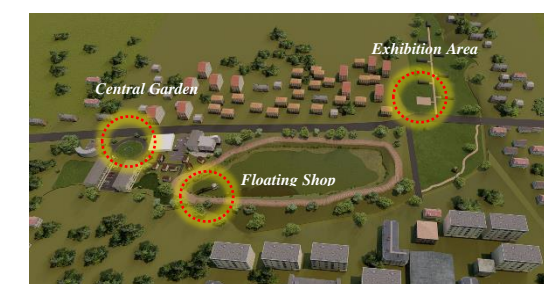
Shopping stalls, restaurant & hotel developed facing to the high-level road to attract the people & take the advantage of road users.



Open dining areas in outside of the restaurant & curve shaped shopping stalls proposed to protect the visual permeability of the place to attract more people on it.



A tree line of "Kumbuk" trees proposed along the canal reservation as a barrier for encroachments.



Central garden proposed in the entrance with a children park & open area to functioned with commercial stalls, restaurant & hotel development. Floating shop proposed to attract daily commuters & an urban agriculture exhibition area proposed here to aware urban agricultural practices using small space.





**Name:**  
R. A. Daneesha Madumadhi  
Ranasinghe

**Supervisor:**  
Dr. Chamali Hewawasam

**Email:**  
[daneesharanasinghe@gmail.com](mailto:daneesharanasinghe@gmail.com)

**Index No:** 172320L

Executive Summary

Under the proposed vision for the Homagama Local Plan Area, “The Most Livable Vigorous Domicile of West by 2040”, the Homagama Town Center was developed as the “Transit Nucleus of Homagama by 2040” under Site Planning proposals focusing Transit-Oriented Development for the Homagama Town Center. The selected site located in “Central Corridor” (Along the Kottawa highlevel road) of the Development Guide Plan (DGP), which is proposed to have high density bi-functional use by 2040.

For the strategic action plan, the existing bus stand, the abandoned paddy land used as a dumping area, and the commercial building opposite the road is planned to be integrated as an “Integrated Bus Terminal Hub” with multiple purposes within a limited area with high accessibility and mobility.

Site Details

Site Location	Homagama PS, Colombo, Western Province
Total Land Extent	Site Area – 7.63Ha With Roads – 11.07 Ha
Land Ownership	Bus Terminal – UDA, Homagama PS Open Dumping Site – UDA Small retail shops – Private parties
Existing Land Uses	Bus terminal area is used as a parking area for buses and private vehicles. Small temporary shops are located. Paddy land has been converted as an open dumping site. Lands opposite the main road used for small retail shops.

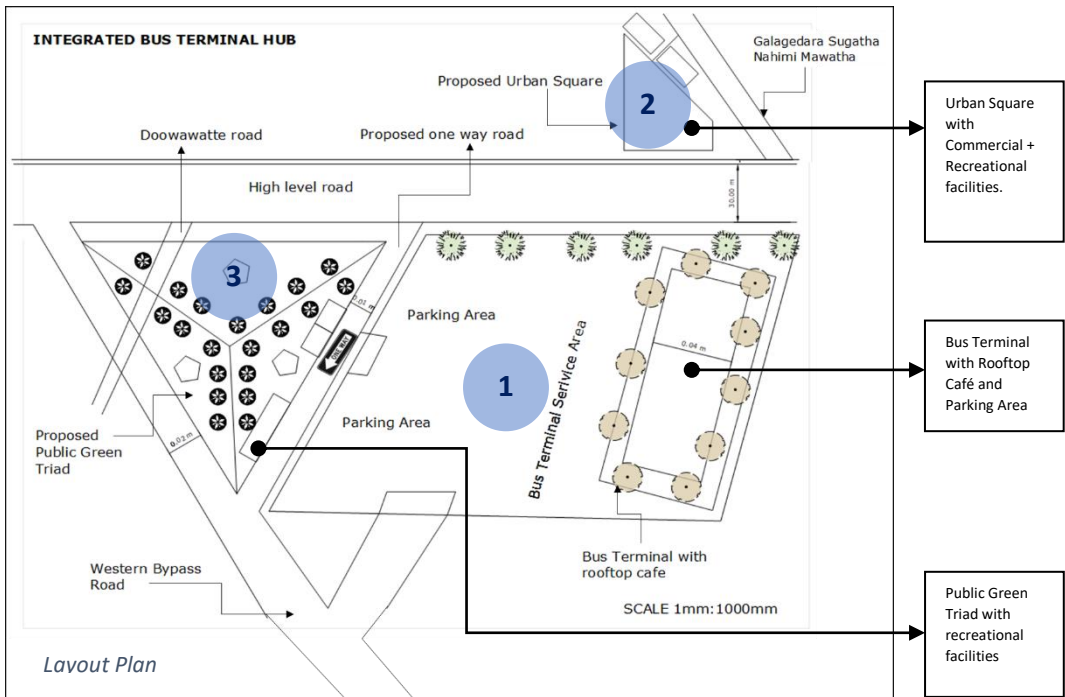
High concentration of commercial activities, other public services, amenities, and high building density are major reasons to select the site.

INTEGRATED BUS TERMINAL HUB –  
STRATEGIC ACTION PROJECT PROPOSAL

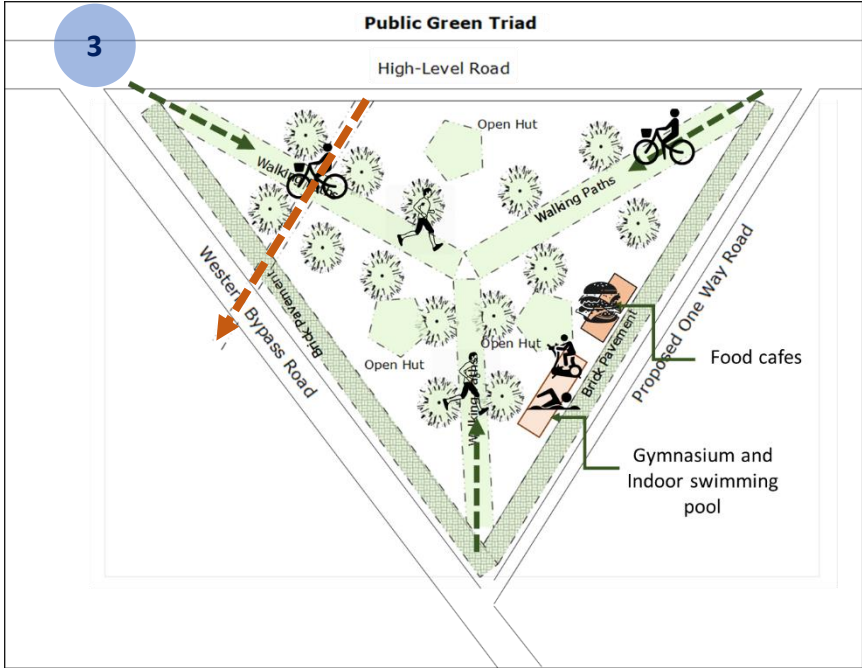
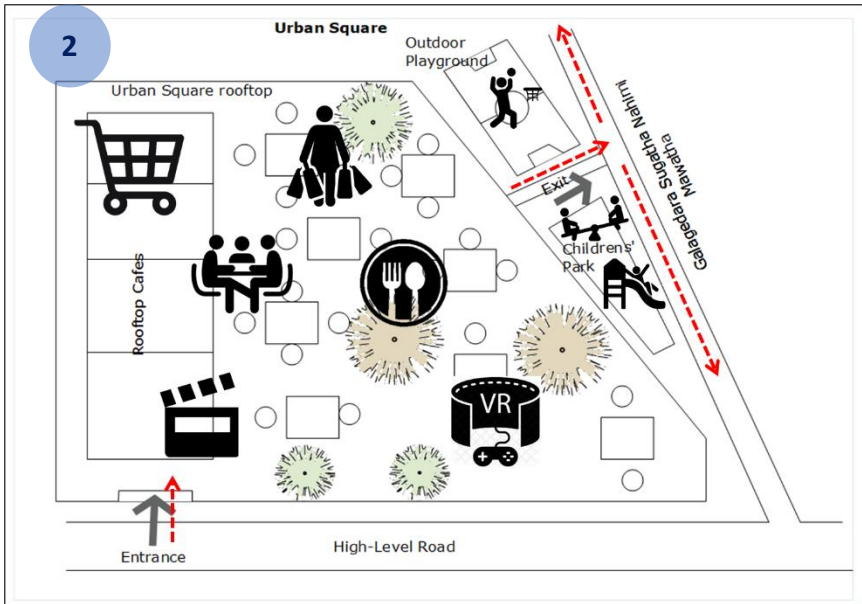
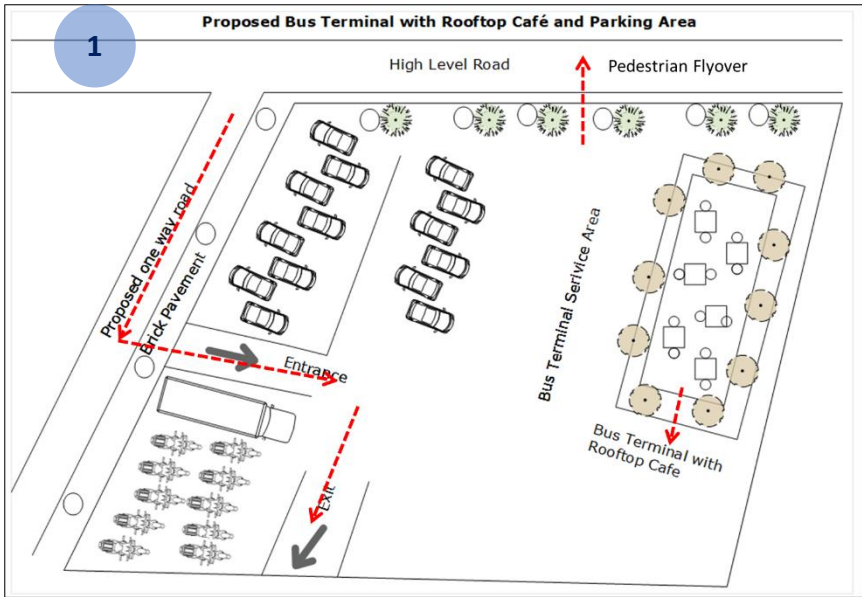
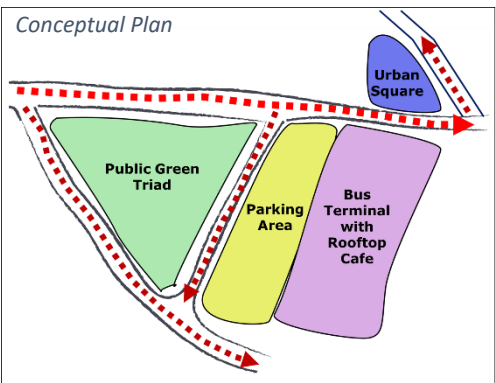
Need of a plan

- Ongoing and proposed development plans such as, Colombo - Awissawella high-level road expansion with 6 lanes, existing bypass road (footpath) converted as two-lane road, Diyagama road as a four-lane road by development proposals.
- Harness the potentials such as high accessibility, variety of supportive goods and services, availability of developable lands, high permeability, and proper connectivity.
- Curb the negative externalities such as traffic congestion, high walkable distance, less pedestrian friendly streets.

Project Design



This strategic action plan integrates the proposed transit hub, green park, and the special mixed commercial zone in DGP under the given guidelines and permissible uses. Additionally one-way road connecting bypass road with main road and a pedestrian flyover is proposed to connect the sites as an integrated hub.





# WETLAND PARK DEVELOPMENT PROJECT



**Name:** M.H. Dinusha Diwani Mendis  
**Supervisor:** Dr Emeshi Warusavitharana  
**Email:** [dinushadmendis@gmail.com](mailto:dinushadmendis@gmail.com)  
**Index No:** 172321P

- Facilitate for environmentalists, students, the public and tourists to enjoy the scenic beauty and learn about wetland structure and, functions and bio-diversity

## SITE DESIGN

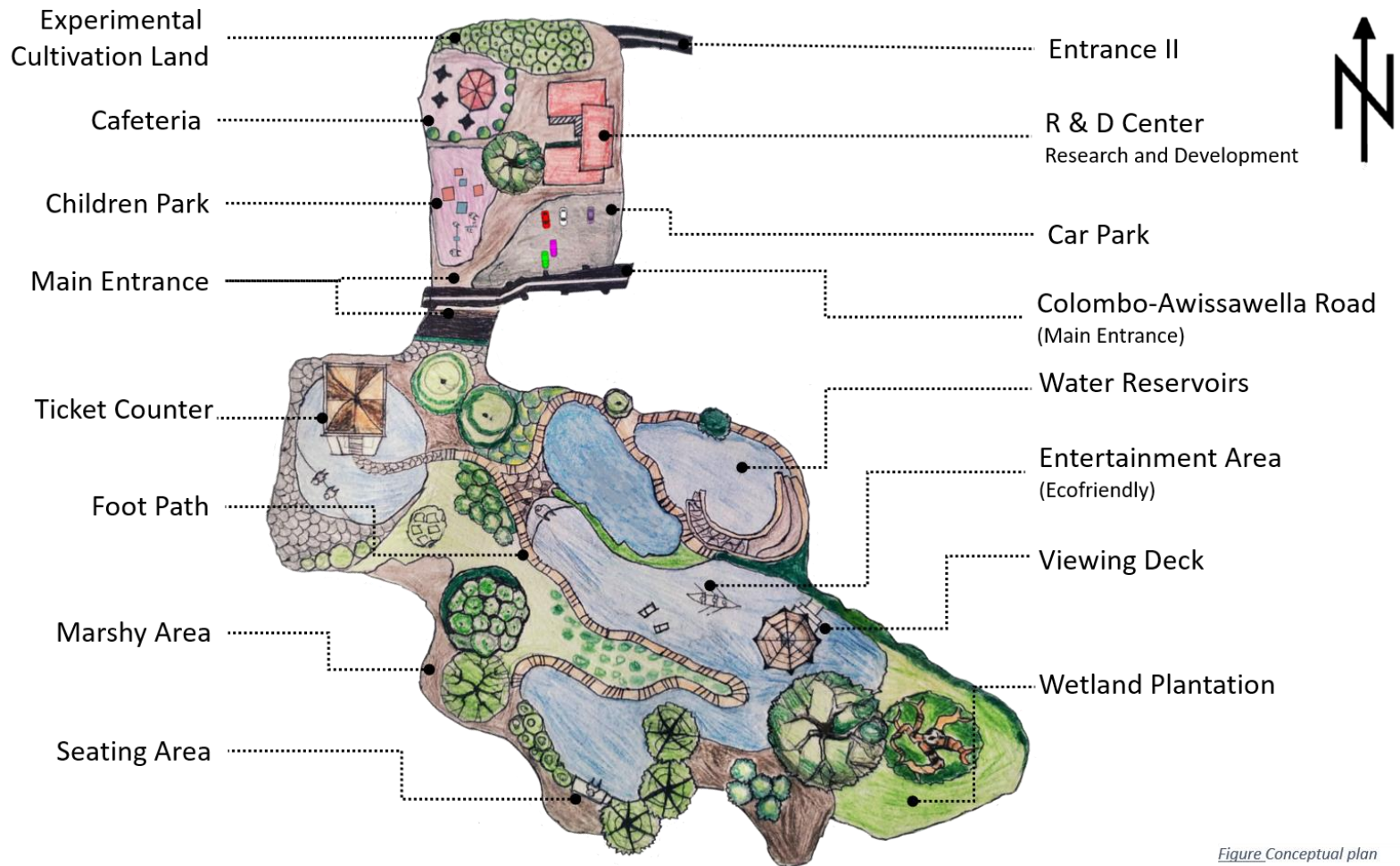


Figure Conceptual plan

## EXECUTIVE SUMMARY

Under the academic module of Site Planning and Design studio it is assigned to convey comprehensive planning and design application for the selected site area within the site which engage the module, Urban Planning & Design Studio under semester six. To prepare Development Guideline Plan for Hanwella (Delineated boundary in Hanwella) in the first stage of Site Planning & Design Studio. The proposed project is coming up under the second stage of Planning & Design Studio. The project is expected to deliver a comprehensive planning application for the selected site. To proposed Wetland Park Development Project is the particular project which evaluates the context and relevance of the proposed study area development through several analytical steps and further predicts project viability in terms of environmental, socio-physical and financial aspects for the proposed development identified as project components.

## SITE DETAILS

Urban Wetland project is located in Sri Lanka, Western province, Colombo district, Hanwella Pradeshiya Sabha area. The history of Hanwella goes back to the era of the Seethawaka Kingdom. It situated is Hanwella town face to Colombo Awissawella low level road.

<b>District</b>	: Colombo
<b>DSD</b>	: Seethawaka
<b>Local Authority</b>	: Seethawaka Pradeshiya Sabha
<b>GND</b>	: Pahala Hanwella & Hanwella Town
<b>Land Extend</b>	: Total -17.5 Acres (Wetland Park Area: 4.3 Acres and Wetland Area: 13.2 Acres)
<b>Land Ownership</b>	: Government and Private
<b>Existing Land use</b>	: Marshy, Coconut, Public, Residential

## OBJECTIVES

- Generate a lot of job opportunities for the community
- Conserve mashy area
- Land Value increasing
- Students have a chance for sports activities within the local area
- Minimize encroachment and unauthorized filling

<b>District</b>	Colombo
<b>DSD</b>	Seethawaka
<b>Local Authority</b>	Seethawaka Pradeshiya Sabha
<b>GND</b>	Pahala Hanwella & Hanwella Town
<b>Land Extend</b>	Total – 17.5 Acres
<b>Land Ownership</b>	Government and Private (Commercial building and four residential houses)
<b>Existing Land use</b>	Marshy, Coconut, Public, Residential
<b>Financial retain from</b>	Bank Loan
<b>Responsive Institute For The Project</b>	Urban Development Authority
<b>Total Project Cost</b>	LKR 140 Mn



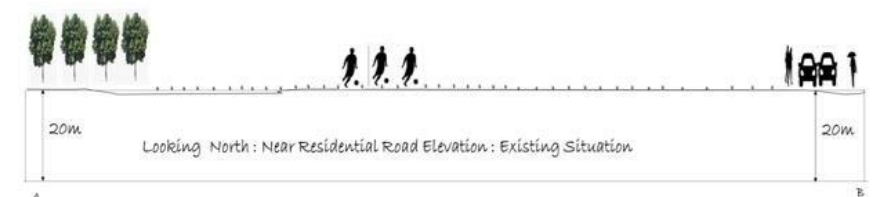
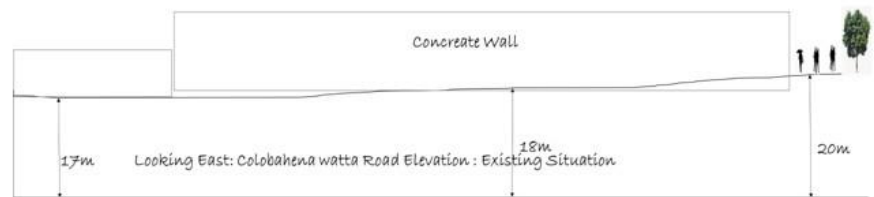
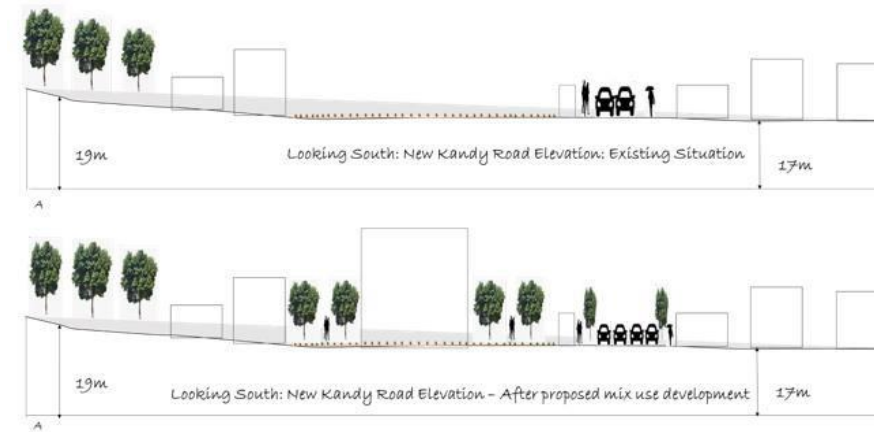
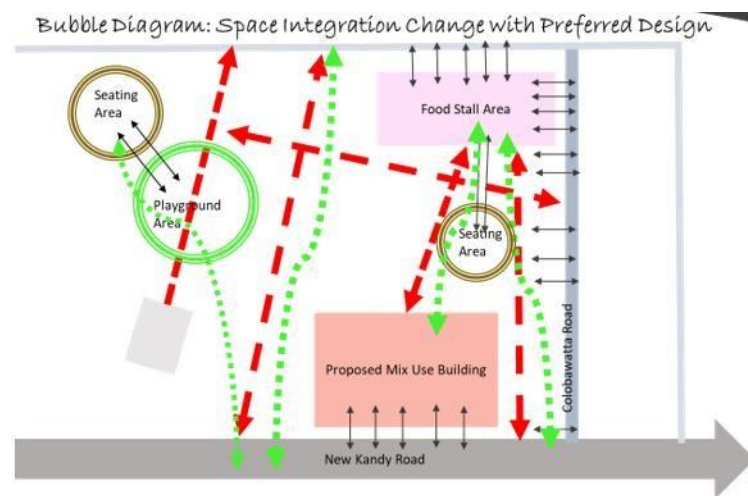
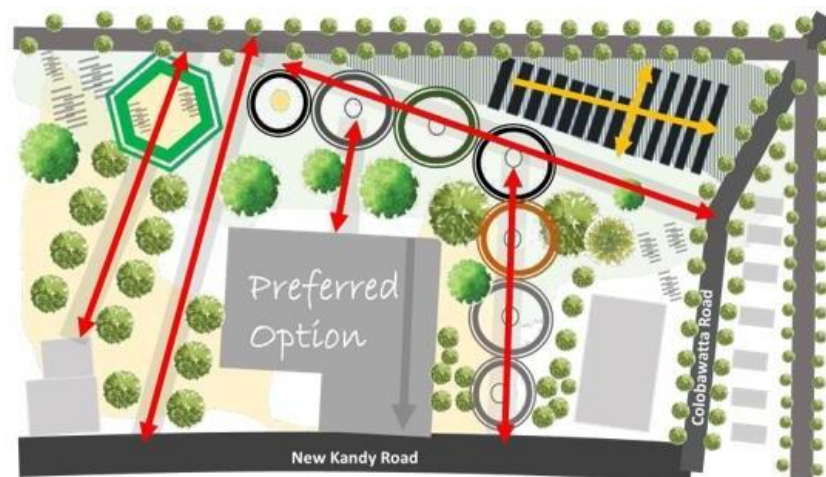




## Biyagama City Center Site plan 2024

Name: V.T.N. Munasinghe  
 Supervisor: Dr. Chathura De Silva  
 E- Mail: [taniamunasinghe@gmail.com](mailto:taniamunasinghe@gmail.com)  
 Index Number: 172322U

The site is located in the western province, Gampaha district, Gampaha Pradeshhiya Sabah area. The development guide plan area is situated between Bandarawatta junction and Siyabalape junction. The existing location is a emerging node in Gampaha district and the entire spatial strategies are based on the leverage and uplift the existing environment in a sustainable manner. Aim of the proposed design is to interact and interactive urban design that is sustainable and can use by every type of users, to showcase the liveliness of the area with the integrated design to be experienced by all users and to create environment friendly space for all users.





# PROPOSED PUBLIC SQUARE WITH COMMERCIAL DEVELOPMENT IN KAHATHUDUWA.



Name: W.K.D. Nadeesha

Supervisor: Ms. Malani Herath

E-mail address: nadeeshadilki3@gmail.com

Index no: 172323A

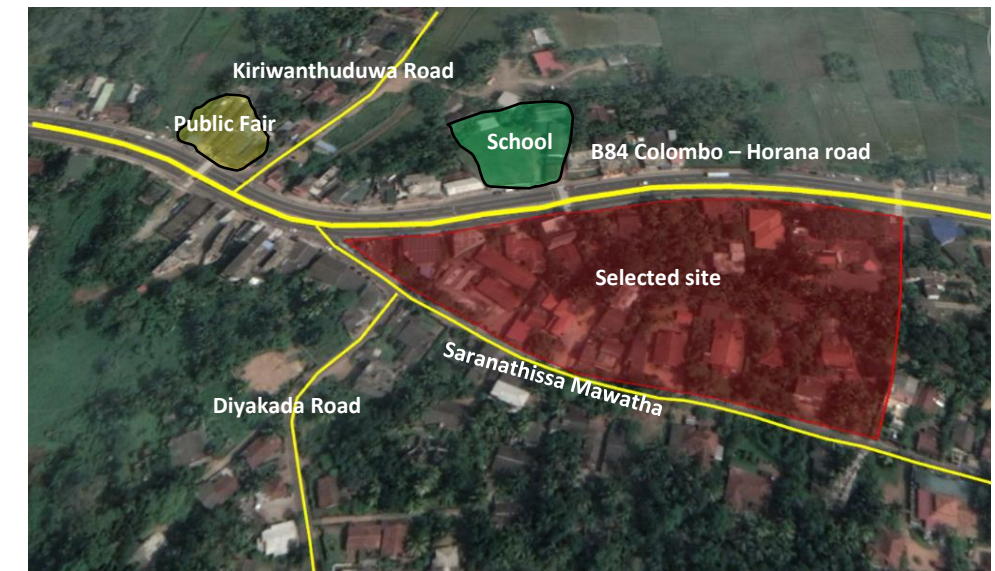
## Summary of the Site Planning

The selected site for the site planning project is located within in Kahathuduwa city core area. Kahathuduwa is an emerging town center of Colombo district, Western province. According to the Development Guide Plan Kahathuduwa that is identify this area as the Central city core district. The attention of the site this area developing as the commercial and recreational based on the development projects.

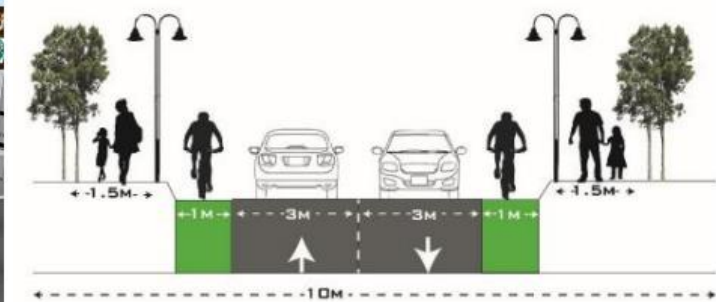
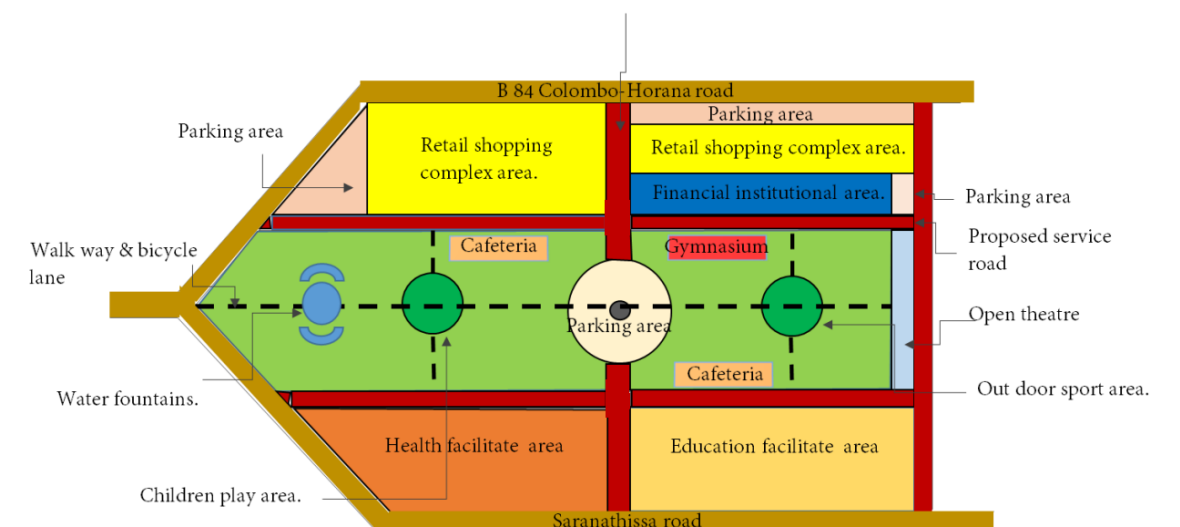
The site is representing core part of the Kahathuduwa city center. Hence It has big role to play in the ground. City center should provide all of the needs of the people who are coming from outside and within the city. With the construction of the southern expressway entrance the development of the Kahathuduwa area began gradually. As a result, more private investment in housing development projects was flowing into the Kahathuduwa area. Mainly middle-income class and high-income class housing schemes. In addition, the current population of Kahathuduwa is expected to increase by 2030. But there is not enough diversity of commercial activities to cater to the growing population and the population passing through the city. Although there are currently several commercials of the same type, they are not sufficient for the growing. Therefore, it means creating a commercial hub that can attract the population. One of the main problems facing the city is the lack of open spaces for gathering and enjoying. So, hope to create this commercial hub centered on that. A separate zone has been proposed for general business activities. Also, there are only two state banks in the area and a zone has been set as ide for other private and state banks, individual financial institutions and private business offices. It also provides places for private educational institutions and vocational training centers and private health centers. The design aims to provide the basic services required by the growing population in the future within their walking distance

By considering these all things with the demand from the surrounding, Public square with commercial development integrated with above developments have been proposed for the site.

Objective: Create a place which gathers all people, connect places & provides opportunities to relax, recreate and work.



Main entrance & exit road





## Demo Eco Industrial Park Development (DEIP) Stage II - 2022 -2040



Name – Nilantha Randeniya

Supervisor – Dr. Wathsala Gunawardhana

E Mail – [rnilandeniya@gmail.com](mailto:rnilandeniya@gmail.com)

Index No – 172325G

### Summary of the Site planning

The industries and Industrial parks are playing an important role in the country's development. The way of doing industries and their new forms are expected and assumed to have dialectical variation towards the country. Conversely, if not those are properly planned, industrial development has the prospective to pose tremendous risks and hazards on natural resources, the surrounding environment and the community. Therefore, this proposal is to develop Demo Junction area as Demo Eco Industrial Park Development (DEIP) Stage II - 2022 -2040.

The demo is the Frist Eco-Industrial Park of Sri Lanka. this report contains the Feasibility studies of Demo Eco-Industrial Park Stage II those are Financing Plan, Financing Method - Public-Private Partnership Method, Environmental Management Plan, Social Screening Assessment - Participatory Rural Appraisal (PRA), Physical Feasibility, Traffic Impact Assessment and Parking, Utility Provision, Drinking Water, 20 Mw Electricity Grid Line, 20 Mw Electricity Transformer, 5G Fiber Optical Line Network, Wastewater Generation, Solid Waste Generation, CONTINGENCY and Emergency Feasibility, Project Implementation Framework. Demo is Place live, Work and Play

### Site Details

Name of Project – Demo Eco Industrial Park Development (DEIP)

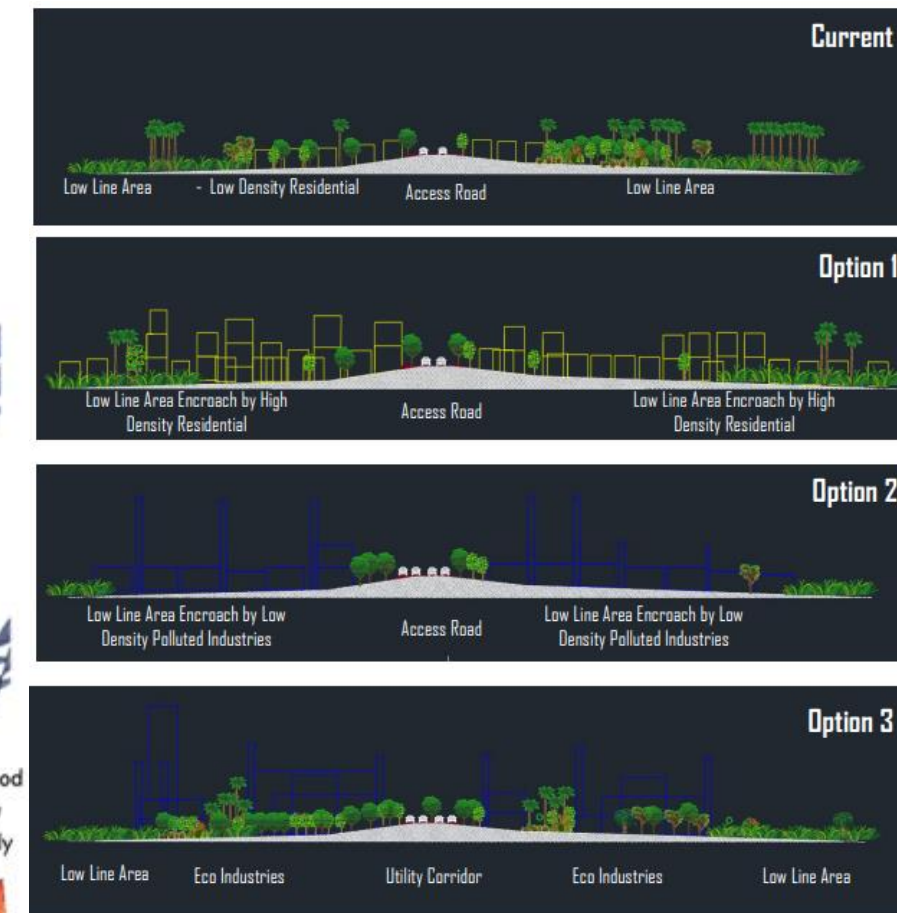
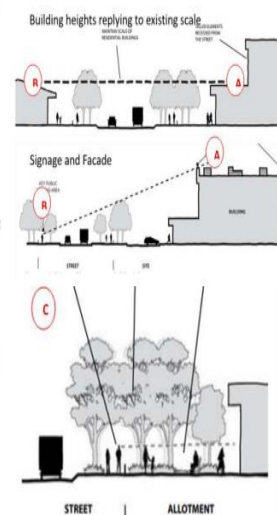
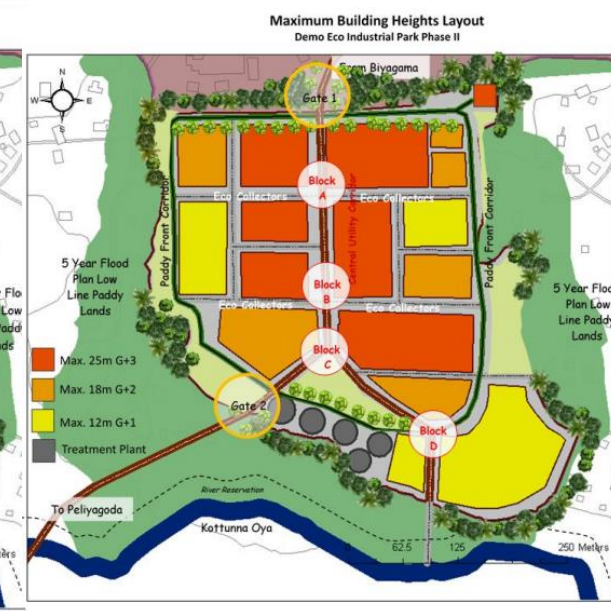
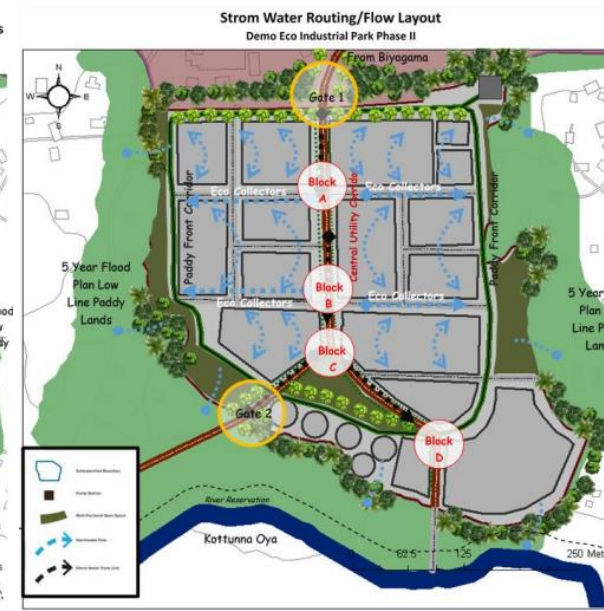
Stage II - 2022 -2040

Location – Demo Junction, Sapugaskanda, Biyagama, Sri Lanka

Site Area – 20 Arcs

Present Land Use – Single Industries Use

Proposed Land Use – Multiple Industrial Use





Development Guide plan For Low-intensity Highway and service area in Biyagama



Name : P.A.Ayoma Nuwandi  
Supervisor: Archt. Kokila Sooriyagoda  
E-mail address: ayomanuwandi@gmail.com  
Index number: 172326K

Summary of the site plan

Site planning and the designing studio is a module scheduled for Town and country planning undergraduate students. The location of this site area is located in the Biyagama PS area. When say Biyagama firstly comes to our mind about industrial city. So in the local plan also consider that side in Biyagam. There has that strength with transport. There has potential to connect with the outer circular highway. But there wasn't an entrance to the highway. So all vehicles in the industrial area have to go to Kaduwela to exit and entrance. So proposed highway entrance in demo Junction near Samurdi Mawatha, outer circular highway. Through that, consider reducing transferring costs in the industrial area. The DGP proposed guidelines for that proposal. When it moved to the site plan, as a support center for the highway entrance, their industries proposed a Service area for that location.

Through different contextual analyses identified selected site areas for the development. So did Connectivity analysis land use analysis, land value, and ownership analysis in the selected site. According to those identified land is the privet property and perch price goes with 11-12 lacs and 6-7 lacs and the land use of the site is residential. Land extent was 12 acres.

Need of the service area

When considering Biyagama industrial city there have so many industries like MAS holdings, Unilever, Camso, CEAT, Forbes marshal, Damro furniture etc. With these industries,

- There needs a supportive center with logistic services.
- The unemployment percentage is 5.10% of the total population. So need new employment opportunities.

- Employment sector 38% of employers directly contribute to the manufacturing industries.
- Commuters also have many issues with their day-to-day traveling and boarding locations.

After proposing many alternative developments like Service areas, warehouses, and Industrial service areas. By comparing those proposals' potential uses and benefits selected industrial service area development. Fitness against the proposed DGP for the locality. Carrying capacity ,Market analysis also the main parts of this site plan. This outer circular highway is locate in Colombo metropolitan region.(throuth colombo and Gampaha district). It runs around 20km away from the city center of Colombo. Nothern end of this highway is connected to Kadawatha on Colombo-Kandy road and the sothern side is located at Kaduwela. For this market analysis, the first step considered about supply-side with five parts. As Other players, Quality, Agglomeration, Collaboration, Gaps, Risk. Here get market range as local level. This development is 4 years development project, and here recover the cost for the project by Loan from the Asian development bank, Cafeteria income, Commercial building income, Truck service area income, and Privet owner money. When considering this development IRR value is 38.17%, So it is a feasible project. On the other side, its cost-benefit is 0.56 Which is low than 1. So cost-benefit comes in a low amount. Within 24 years they have to pay these debts.

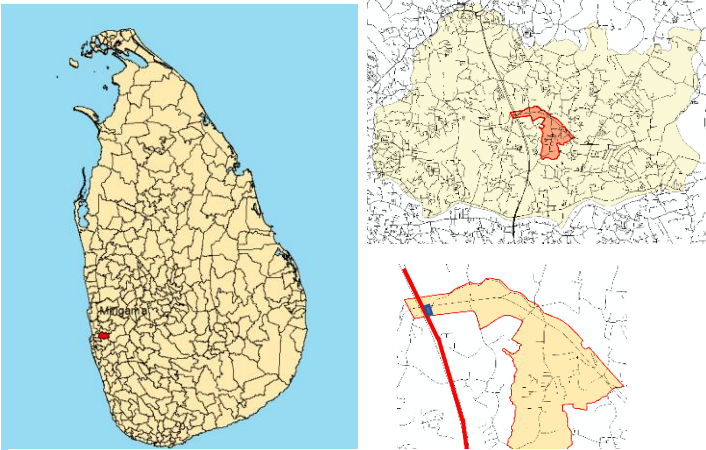


Figure1.1.1 Site location

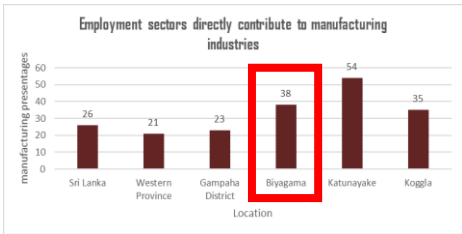
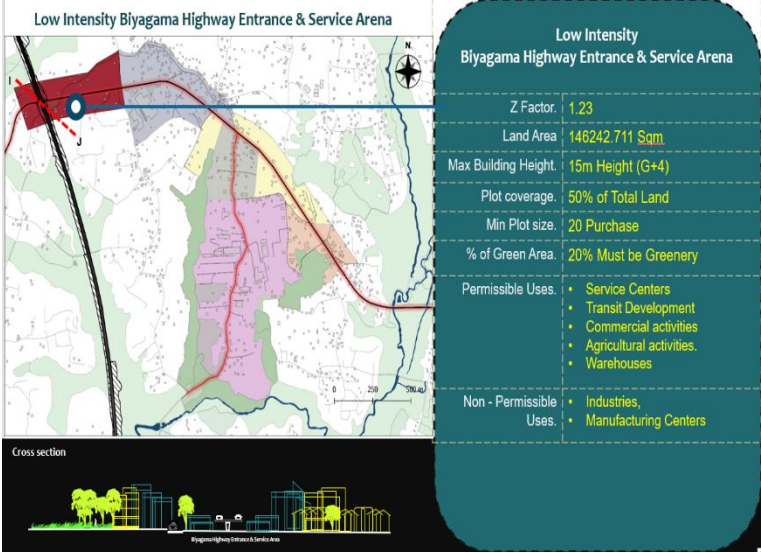
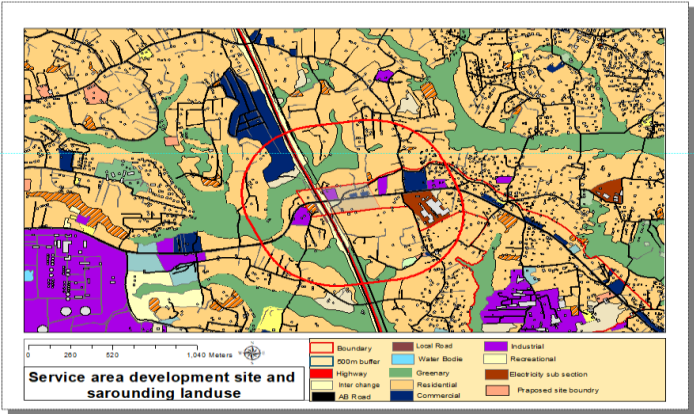
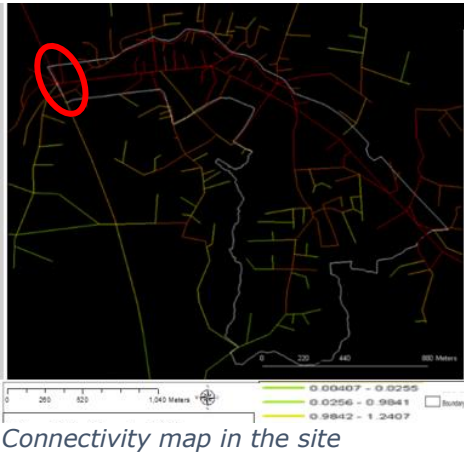
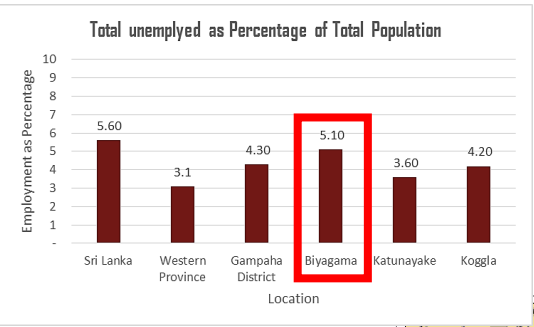
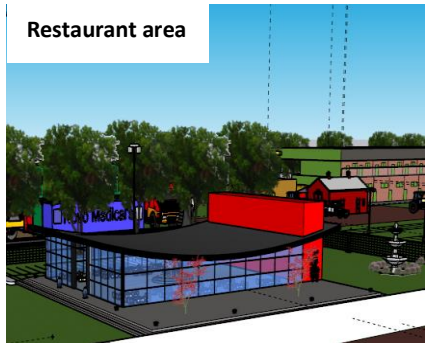


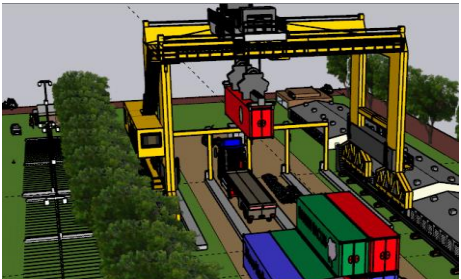
Chart 2.2.2 Employment sector



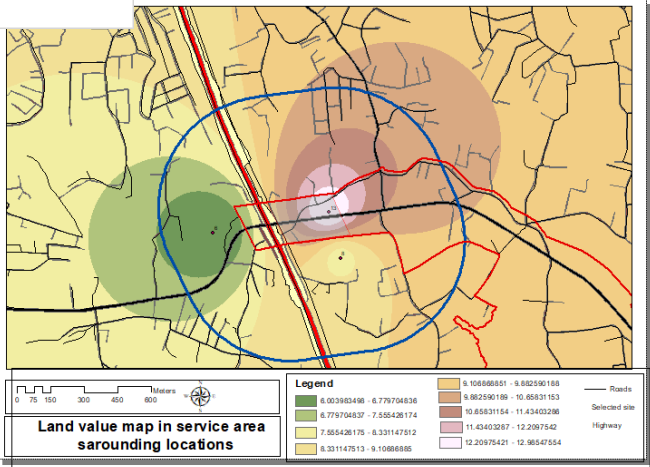
truck parking area



Restaurant area



Goods lording and unloading



Land value map in the site

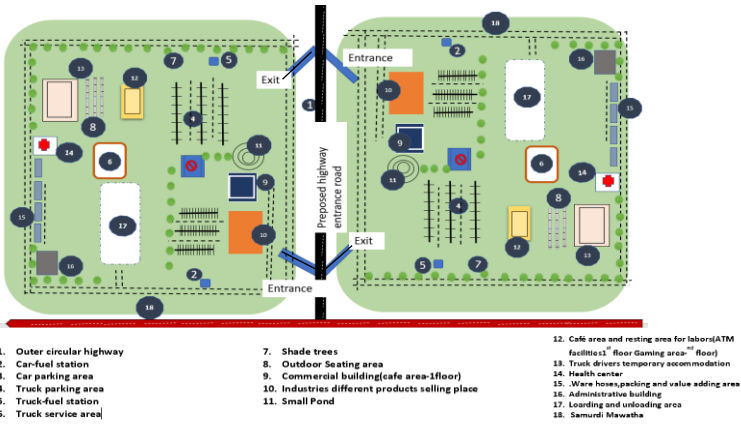


Figure 3.1 praposed layout plan



# Development Guide Plan for Padukka Town - Proposed Guest House & Hotel Development Project

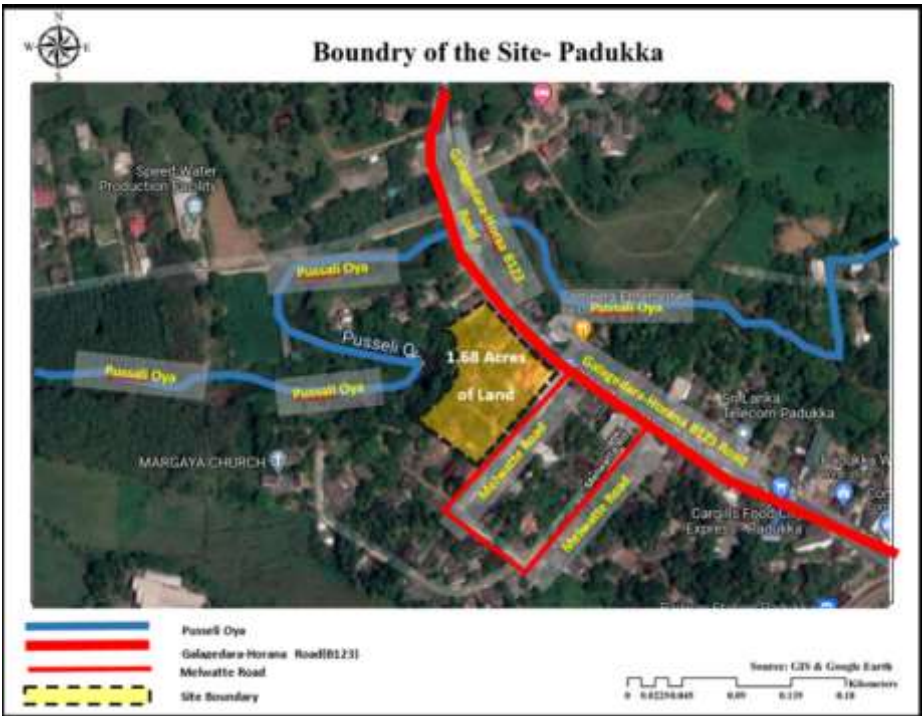


**Name: J.A.C.L. Perera**  
**Supervisor: Dr. Chameera De Silva**  
**Email: chaminilakmali1234@gmail.com**  
**Index No: 1172327N**

## Introduction

Site Planning is identified as a space or land occupied by or to be occupied by a human Construction or a concentration of innovations in buildings or Human operations that fall into the same category of land use.

The proposed site is located at a distance of 365m from the city of Padukka administered by Seethawaka Local Council area. Padukka is city of Western province and main city of Colombo District. Padukka is located 33 km away from city of Colombo. This proposed development area is a scenic area bordering a natural boundary to the north and northwest. The following are the adjoining areas with a land area of 1.68 Acres.



-1Boundary of the Site

## Rational of the project

Hotel development projects are very suitable in the selected area Because, when doing the Padukka stakeholder analysis, it was learned that there is a shortage of hotel and restaurants, a place to dine and their parties. Also, by the year 2040, the population of Padukka will increase in comparison to the proposed KV Line project and town improvement projects in the Padukka urban area. Due to the large number of local and foreign tourists who come to the city.

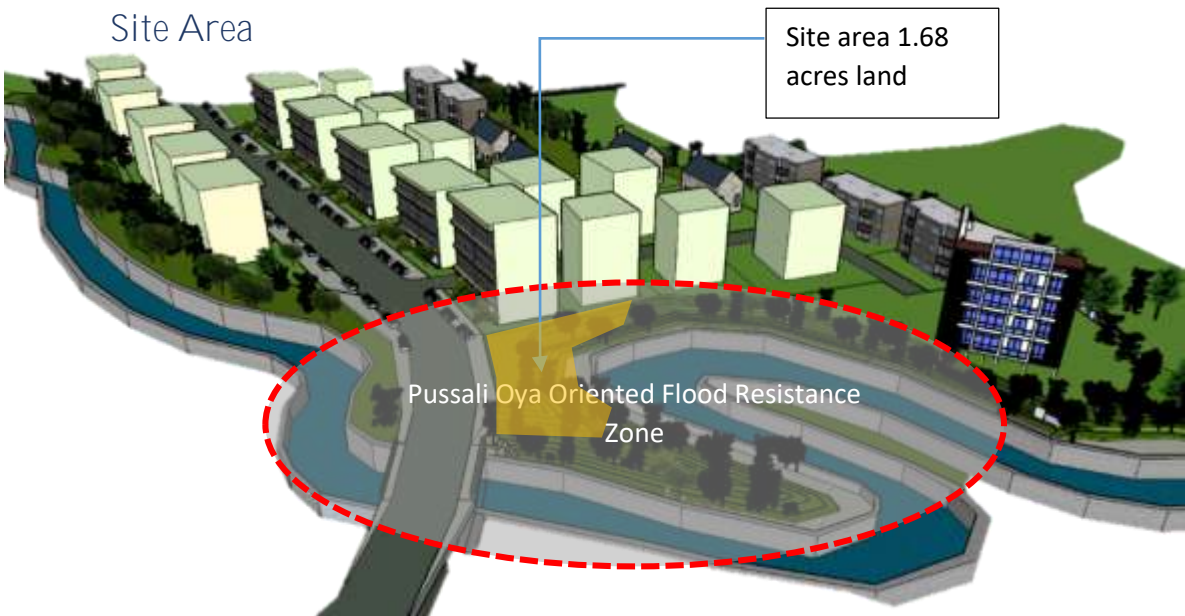
### Vision:

New economic development through a hotel development project, creating a beautiful landscape for the people

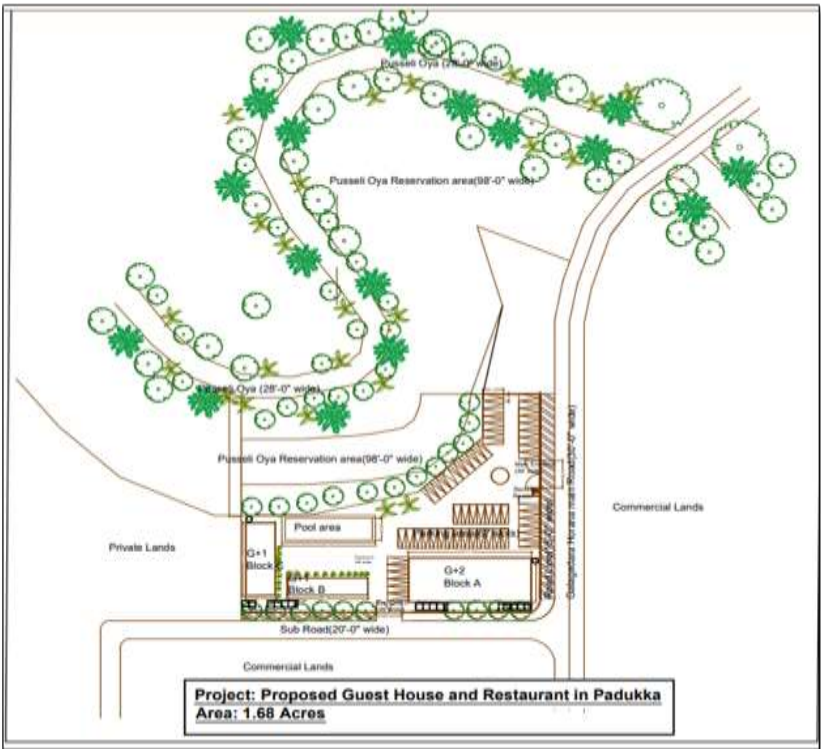
### Objectives:

- Providing a good infrastructure system to the area through this project
- Providing a hotel and restaurant for the people to get food and for their entertainment
- Provide accommodation to tourists visiting Padukka due to the KV line project to be developed through Padukka in the near future. Therefore, this development project can be used by the people of Padukka and the surrounding areas, which will bring in more revenue to the investor, environmental aesthetics, some flood risk solution and infrastructure improvements.

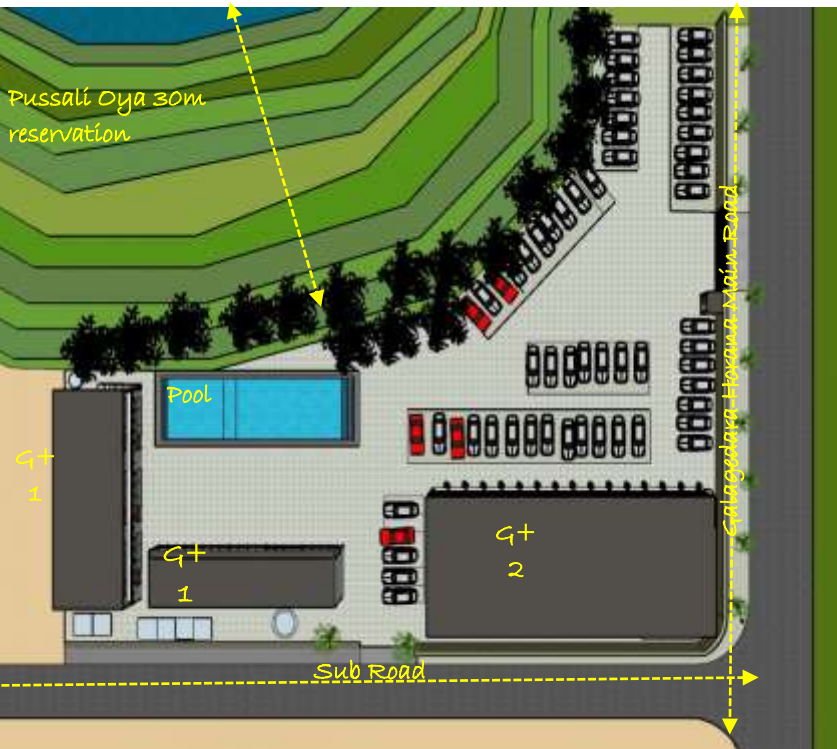
## Site Area



## Layout Plan:



## 3D Sketch up Layout







Name: L.H.R. Perere

Supervisor- Dr. Chamali Hewawasam

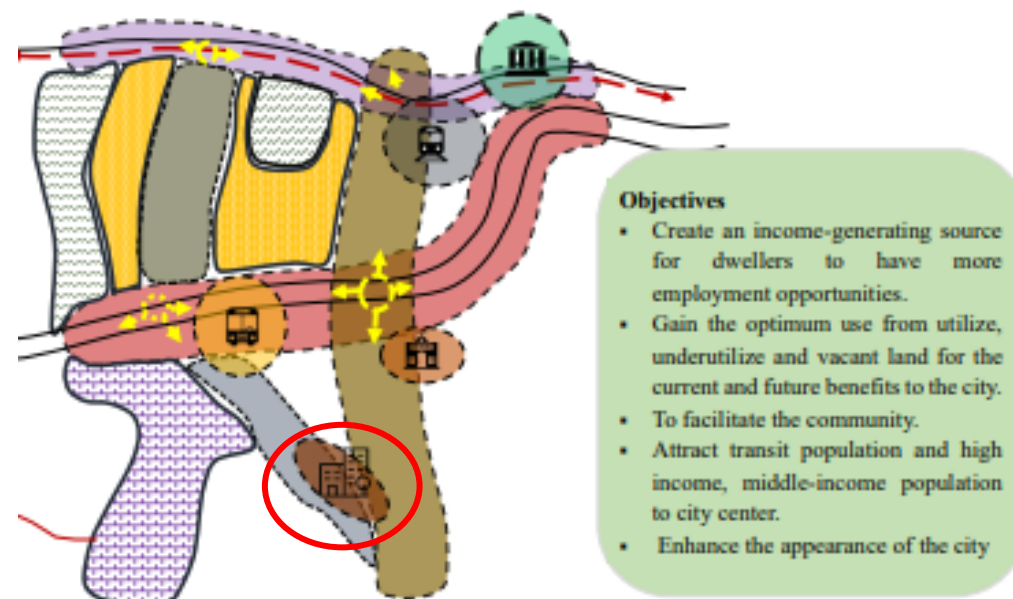
E mail – hashiniravihari12@gmail.com

Index No – 172328T

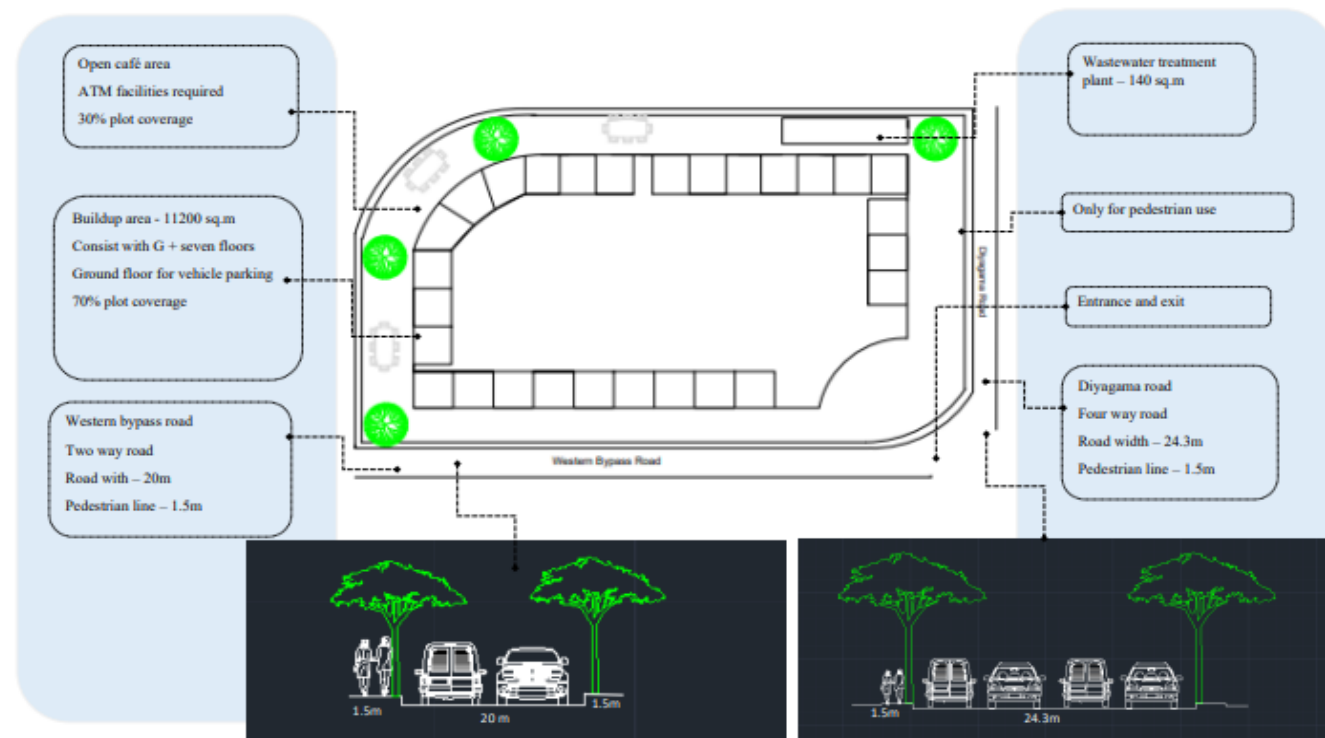
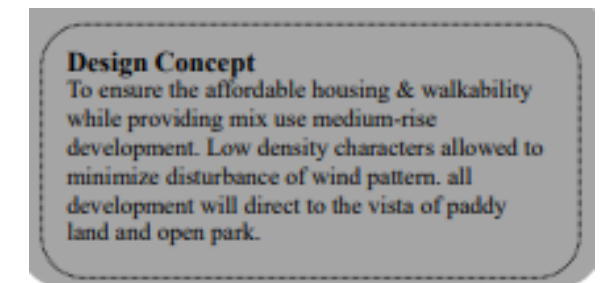
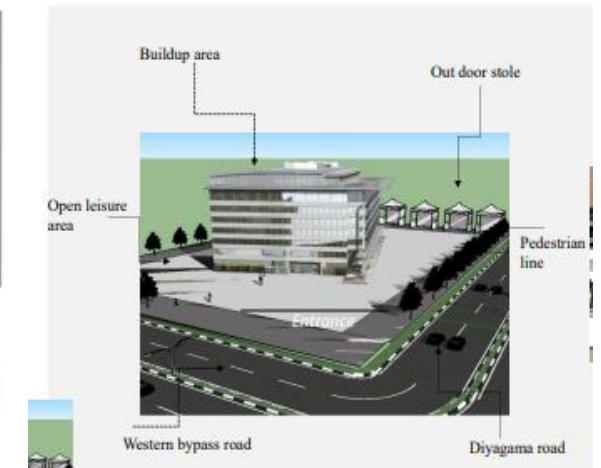
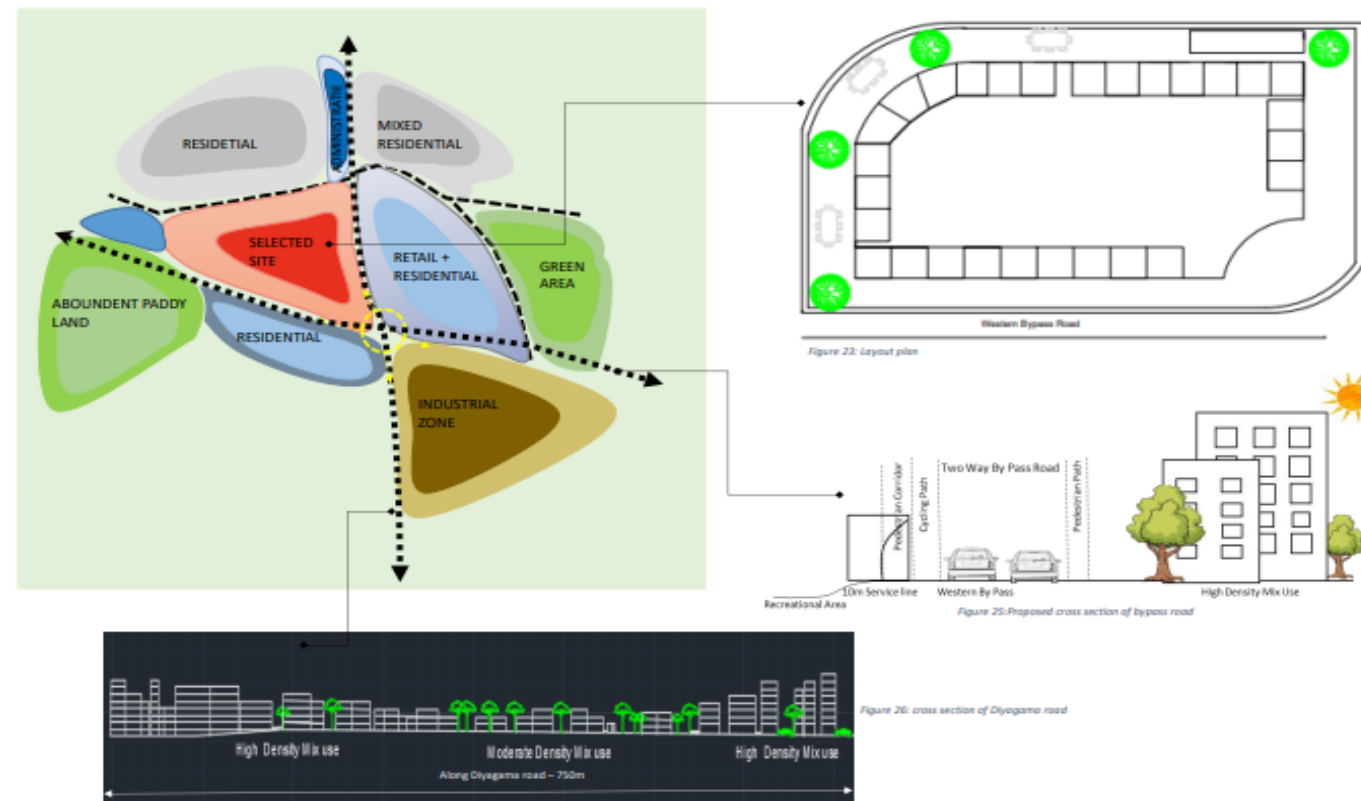
### Summary of the Site planning

Location: The selected site for the site planning project is located in the Homagama Pradeshiya Sabha area of Colombo district and it is a transit town that located in the Western Province. On the other hand, the main is accessible to the site, provide by western bypass road and Diyagama road.

The selected site is located on the western bypass road and near the Homagama bus terminal. There is 1km away from the bus terminal and 700m away from the Homagama town center. The land extent is about 1.4 ha. In the present context Homagama, identify as a service center, and the surrounding cities functionally connecting with Homagama. Homagama is located 22km away from Colombo and minimum travel distance for nearby cities. . There is a good opportunity for the selected site to attract this local community to the city. The proposed development will be consisted with three main components, which were identified in the context analysis.



## COMMERCIAL HUB DEVELOPMENT HOMAGAMA





# MULTI STOREY CAR PARK DEVELOPMENT & SHOPPING COMPLEX



Name : K.G.D.Piyumali  
Supervisor : Dr. Rizvi Noordeen  
Email Address: [dpiyumali97@gmail.com](mailto:dpiyumali97@gmail.com)  
Index No : 17329X

## Introduction – site selection

Selected site located in the Kadawatha Town area. Kadawatha is a fast-growing urban center of Gampaha district, Western province, Sri Lanka that situated on the A01 Colombo - Kandy main transport corridor. It takes approximately 17 min to drive 15.9 km from Colombo to Kadawatha & Outer Circular Highway Interchange As per the administrative boundaries Kadawatha urban center belongs to both Biyagama & Mahara PS areas.

The selected boundary for proposed Multi Storey Car Park and Office Complex is defined by the Kadawatha Ganemulla Main Road in East, Mahavidyala Mawatha in South and Simpennyawaththa in North.



Figure 1: selected site

## Why need a planning intervention

Considering the Development Guide Plan done in the previous stage and the in this stage analysis here came that this particular site has potential to do a development and this site can develop both Multistorey car park development and an office complex. Those both developments

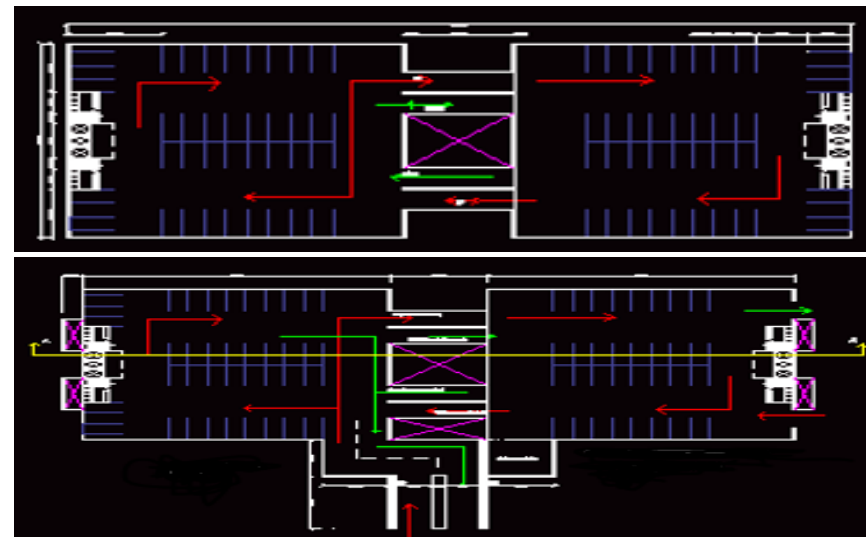


Figure 2: Floor plans of the car park

are really important that consider with problems and potentials that arise of the Kadawatha DGP area.

1. **High Traffic Congestion of the DGP area.** Also due to this traffic congestion of the area causing high economic loss and fuel consumption.
2. **Disturbance for pedestrian movement.**
3. **Proposed LRT and Multimodal Transport Hub.**
4. **Demand for office premises to the area.**

## Design Concept

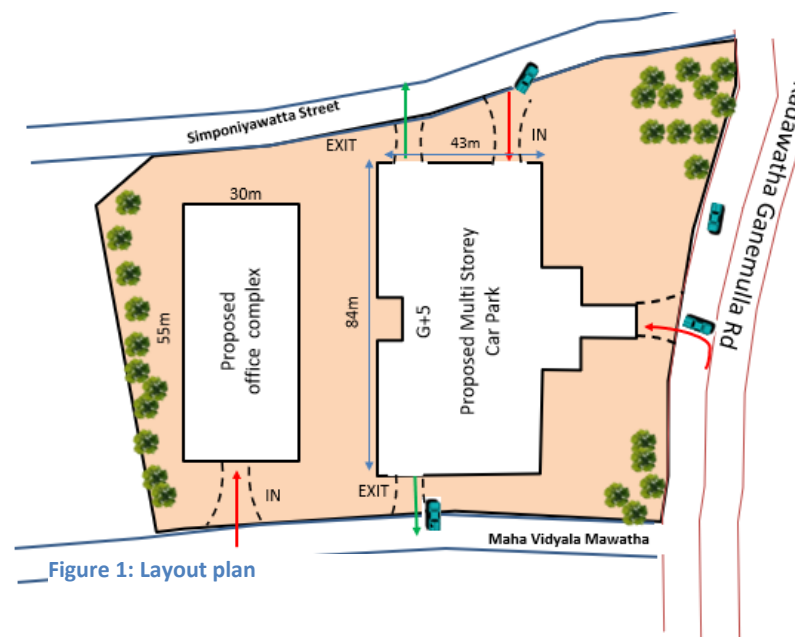


Figure 1: Layout plan

## Multistorey Car Park

This is designed specially to be for automobile parking and where there are number of floors or levels on which parking takes place. Apply multiple access and exit system to avoid traffic congestion in and out.

4.1.4 Criteria for The Quality Multistorey Car Park • Safety in use •

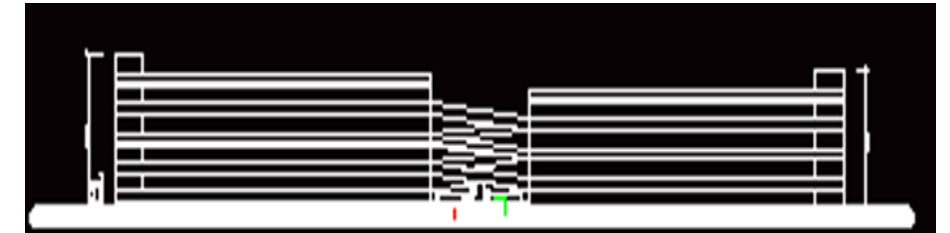


Figure 4: Cross section of the car park



Figure 5: proposed car park

Clear visibility • Parking space marking to enable drivers to remember the location of their vehicle • Integration into the context of town planning • Good natural lighting and ventilation

## Office Complex

It's a freestanding building in which one or more businesses are conducted or professions practiced including associated clerical, administrative, consulting, advisory or training services. Following are the design concepts that consider in office complex • Promote both government offices and private offices usage. • Promote disable friendly building. • Promote green hedges and flower beds in institutional frontages. Here design 30 office stalls for both private and government sector. And Building height is G+4

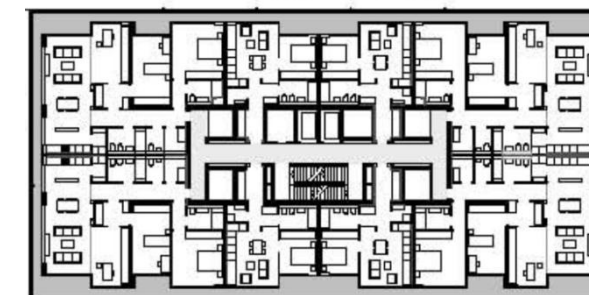


Figure 6: floor plan of the shopping complex



Figure 7: proposed shopping complex

## Financial Feasibility

To this both projects conducting under private public partnership. Y1, Y2 and Y3 investing to the both developments. But starting Y4, 10 stall rooms of the office complex will be rented out. Then after Y4 both car park and office complex remaining constructions can be process with the income of the rented-out office stall rooms and income of the constructed part of the Multistorey Car Park



# RECREATIONAL CLUSTER DEVELOPMENT IN MATTEGODA



Name: I.K.N. Priyashani  
 Supervisor: Dr. Gayani Ranasinghe  
 E-mail: nelunikanpiluppulla@gmail.com  
 Index No: 172330R

## Summary of the Project

Mainly I decided to propose three tasks in this site area.

1. Propose an Aquatic Recreational Park
2. propose a service Area
3. Networking the existing and proposed recreational parks as a recreational cluster.

Selected Area for the Aquatic Recreational park.  
 Land Area = 1.5 hectare and the Water body  
 the area bounded with paddy lands, neighborhood street and the sport field.

Selected Area for the Service Area.  
 Land Area = 1 acres  
 the area bounded with Mattegoda lake, neighborhood streets

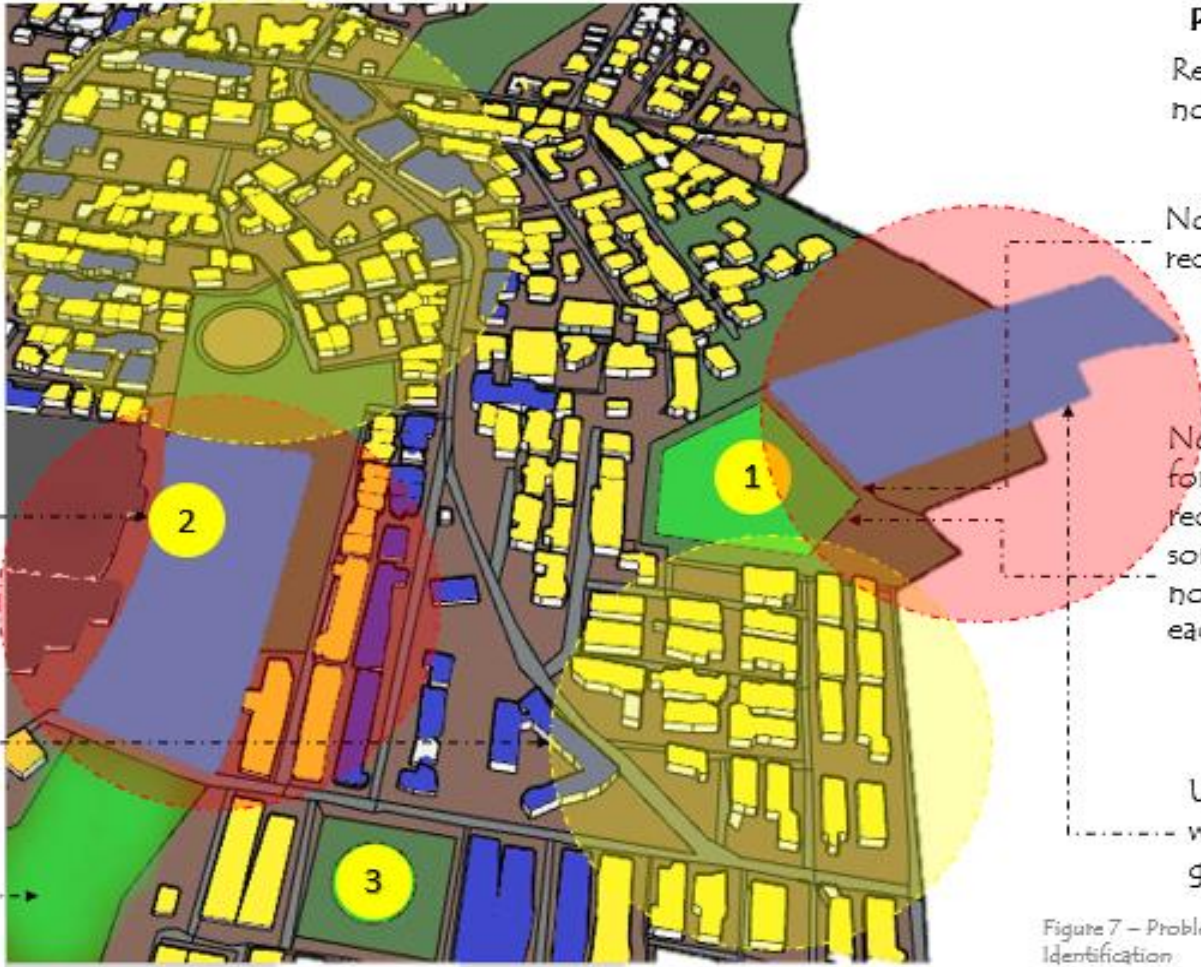
## Need of the Plan Potentials

Existing Mix Land Use

Mixed Type of Recreational Places

Existing Road Network

Existing Blue & Green Features



## Problems

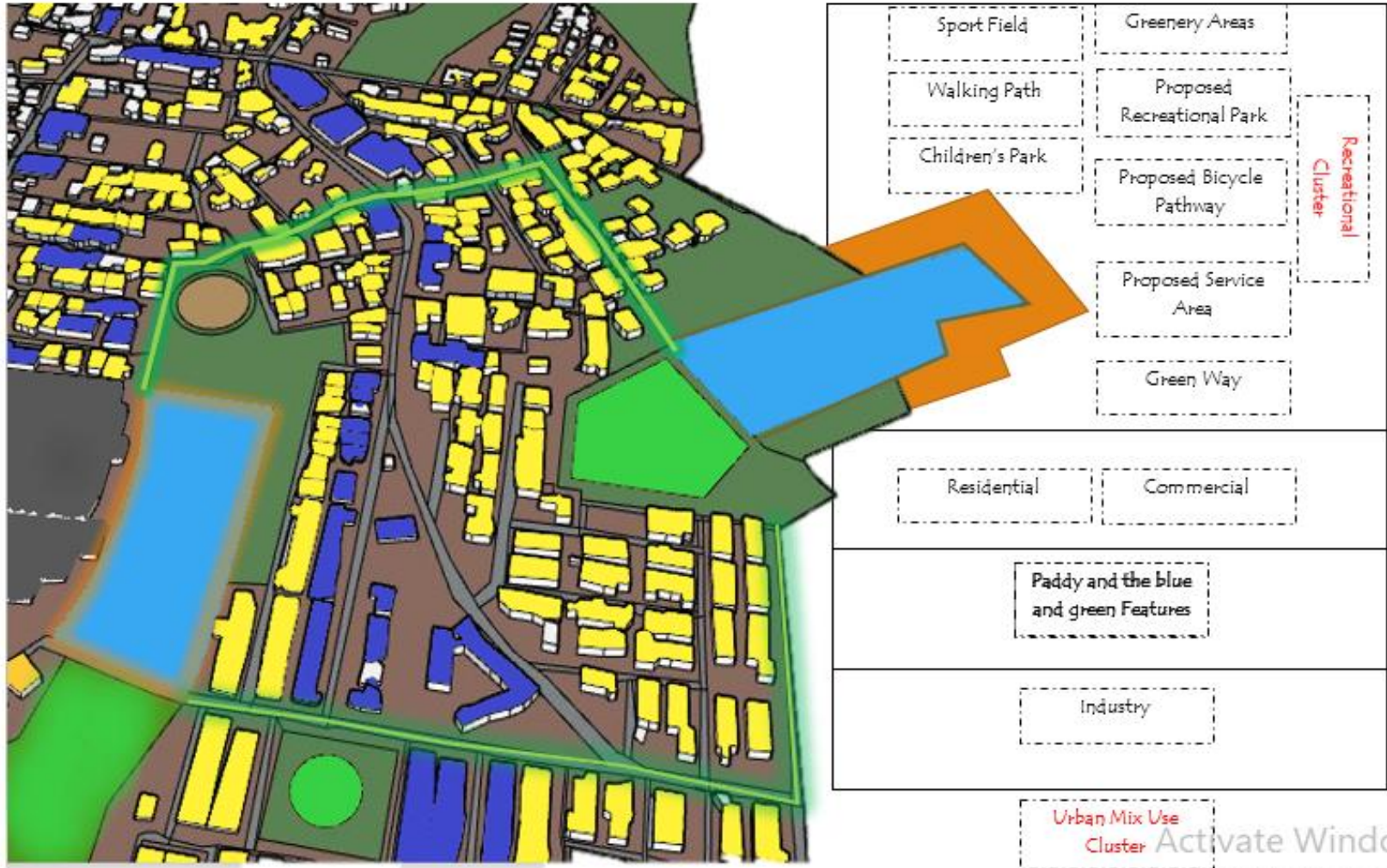
Recreational Places are not functioning well.

No connection between recreational places

No proper access roads for the existing recreational places and some of the roads are not connected to the each other road

Under utilization of water fronts and green spaces

Figure 7 – Problem and Potential Identification  
 Source – By Author







**Name:** M.D. Ramanayaka  
**Supervisor:** Dr. Chamali Hewawasam  
**Email:** [malkidilshara996@gmail.com](mailto:malkidilshara996@gmail.com)  
**Index No:** 172331V

## RAILWAY STATION HUB DEVELOPMENT PROJECT - HOMAGAMA (2040)

### Summary of the site planning

**Location:** The selected site for the site planning project is located in the Homagama Pradeshiya Sabha area of Colombo district and it is a transits town that located in the Western Province. On the other hand, main accessible to the site is provided by the Walgama - Diyagama (B452) and Kelaniweli Railway line.

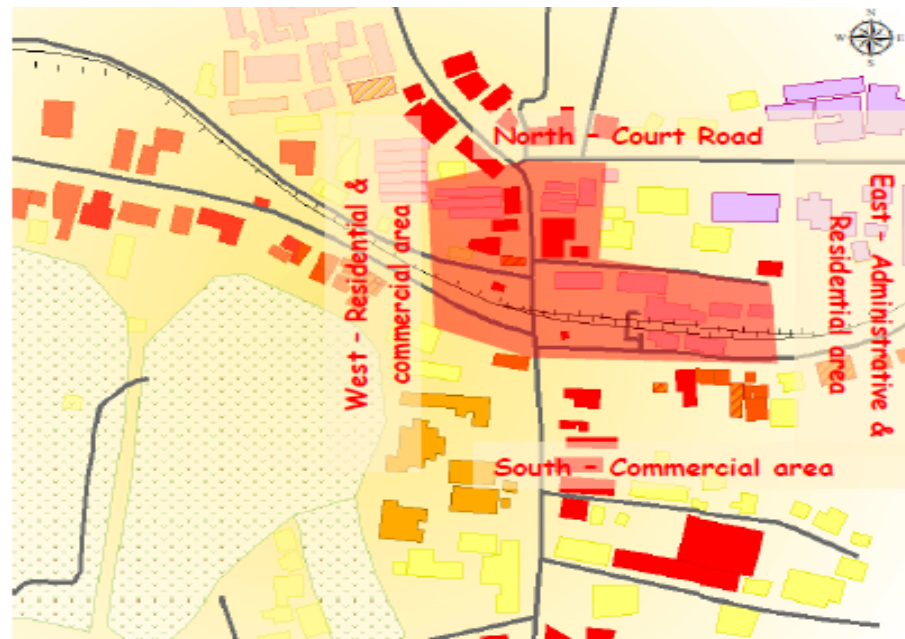


Figure 1 : Site location & boundaries

### Need for the plan:

Homagama station hub and the surrounding area, it can be determined that the selected site area is vulnerable to new planning intervention, and new comprehensive planning based on existing and future development scenarios of the surrounding area, as well as the potential to improve connectivity and social integration of the surrounding neighbors, is required.

**Concept design:** To propose a concept for this development, mainly consider the suitable transit-oriented development within walkable distance to assure public goods for all getting highest & best use benefit to the public through the development as a service area to the Homagama railway station.

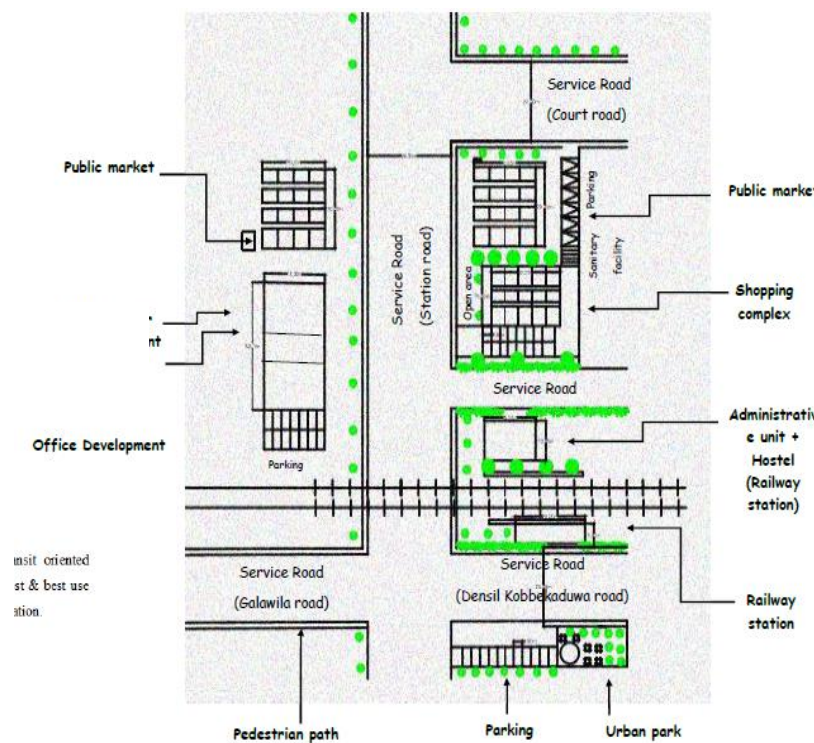
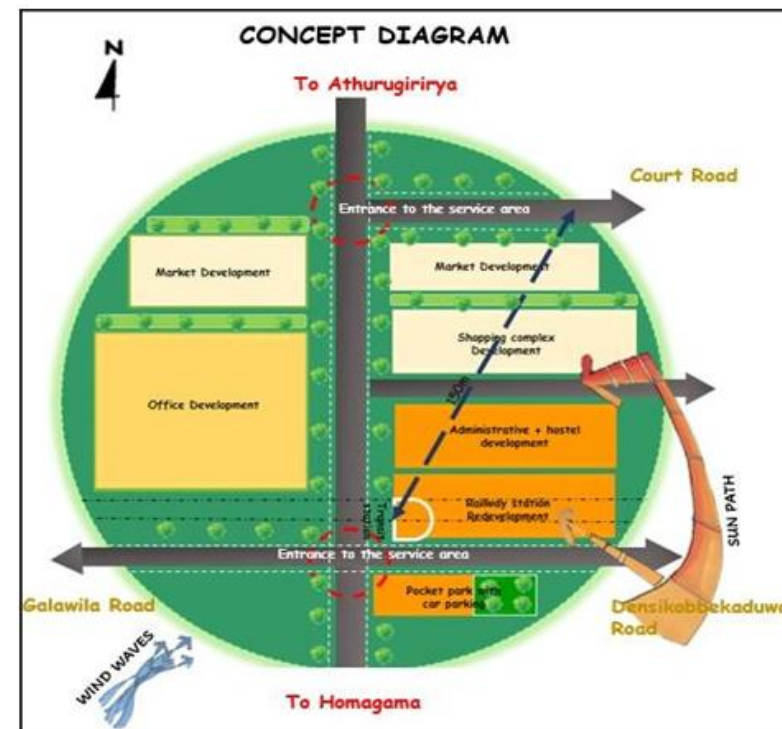


Figure 2 : Detailed design layout of proposed development



Figure 3 : Proposed elements of the development project

Figure 4 : Existing view of the selected site area

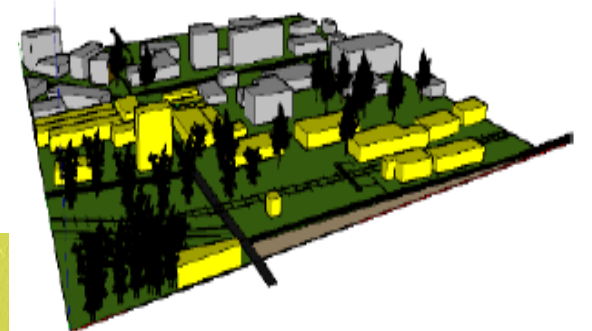


Figure 5 : Desired view of the selected site area





## Mix use development parallel to recreational area (theme park apartment, shopping complex, open cafeteria, etc

**Name:** R.K.D.P.D.Ranaweera

**Supervisor:** Archt. Kokila Sooriyagoda

**Email:** [prabath.dilusha97@gmail.com](mailto:prabath.dilusha97@gmail.com)

**Index No:** 172332B

### Executive Summary

The main purpose of the site planning project of Kadawatha is demonstrate a comprehensive understanding of the processes and procedures involved in planning a locality for a development. The first part of this report carried out the contextual analysis which conducts through the diagnostic analysis to identify the level of the urban form via physical structure, functional efficiency, built form, connectivity analysis, etc. After identifying the problems and potential through stakeholder consultation and the planners' perspectives, Vision formulation and after derived goals and objectives according to the vision and the site planning projects has proposed by 2040.in the individual second part of this report carried out the Detail project proposal development for a selected site within the locality. So, in there focused on identification of the site, At the second step of the process, identify the suitable development activity considering the proposed DGP prepared at the previous phase of the studio, Preparation of layout plan and preliminary cost estimate, identification and evaluation of impact of the proposed development and Preparation of project investment plan and the implementation strategy.

### Site Details

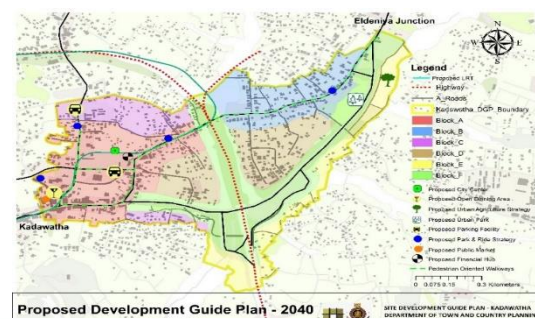
**Location:** Gampaha district, Kadawatha, Mahara ps

**Area:** 9.12 acres

**Current Building Usage:** Recreational

**Land Ownership:** Neighborhood area – Private owners

Recreational area – RDA buffer zone



Section of existing neighborhood block

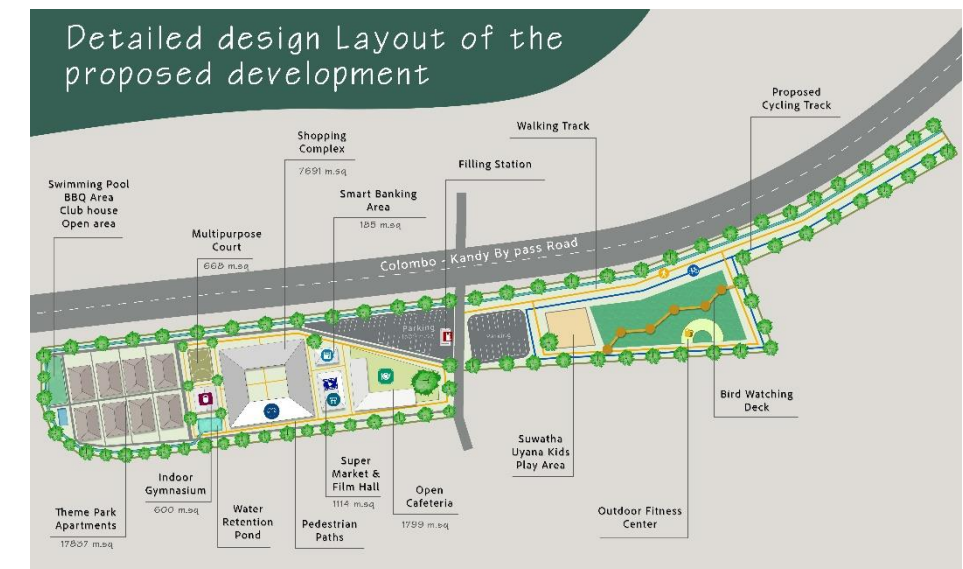


Section of existing recreational block

### Need of a Development Strategic Action Project

This site location is very important because this neighborhood area is near to the kadawatha interchange and this area located center of the five-neighborhood cluster. Also, existing recreational area is functioning well. But there is a problem about existing role which is playing by this area. It is not playing real role and real use. This site does not have much more confidence to absorb existing and future demand. It has good demand, but specially this neighborhood cluster does not have capacity to absorb that demand by giving real needs. So main problems are this neighborhood area is underutilized. Because these land plots are not actively used for real purpose.in other hand existing uses are not suite as the highest and best uses for exiting demand of this site and advantage of the location. According to mix used development According to that there is a residential cluster, sport area, public commercial area, entertainment area and recreational area. People who live in the apartment they have direct access to their apartment units. Bu the person who use public area, they have to park their vehicles and they can use pedestrian paths to reach any public area. Yellow lines show the pedestrian path and all public places are connected. So, people can access to each facility and they can get different feelings in different stages. After entering the site, they have open cafeteria, smart banking facility, entertainment facility, shopping facility, super market facility, gathering facility and recreational side, there are existing facility and newly added facilities like cycling track and bird watching deck.

### Design Layout of the Proposed Development









# NEIGHBOURHOOD CLUSTER DEVELOPEMNT IN MATTEGODA



Name: R.M.C.N.K Rathnasinghe  
Supervisor: DR.Gayani Ranasinghe  
E-mail address: chmathkanimmi526@gmail.com  
Index no: 172334H

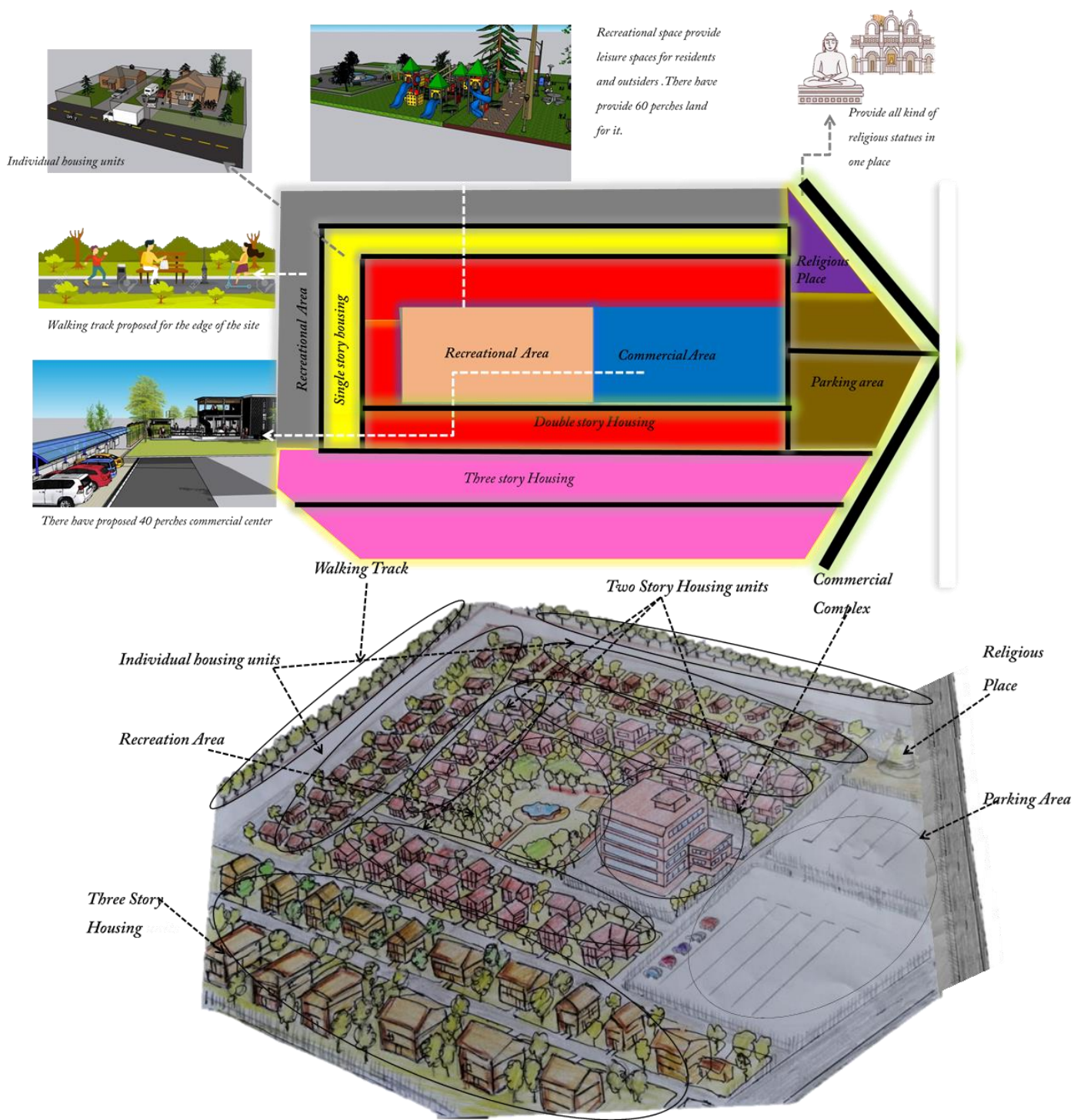
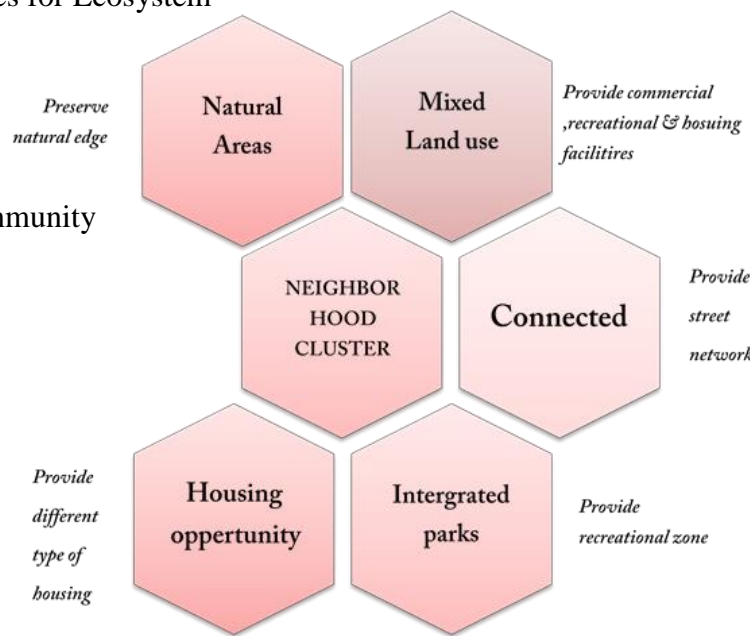
## Summary of the Site Planning

Proposed neighborhood cluster development is located in Mattegoda, Homagama DSD, Colombo district, Western Province of Sri Lanka. Selected area land is bordered by the proposed University to the north, paddy land to the west and Polagasowita Road to the east. Proposed neighborhood development is located in development promotion zone which identify by Development guide plan of Mattegoda. Proposed neighborhood development is requires 4ha land with specific criteria. The total land is belongs to the private sector so there require land acquisition for development.

Neighborhoods are not established through the use of coincidence. They are the result of careful planning and thoughtful design that creates places that can be sustainable, walkable, social, and livable, enhancing the lifestyle of citizens of all ages. According to above analysis such as evaluation, land use, land value, housing and population expansion, present surrounding context, connectivity, elevation and livability considered the selected location required this kind of development.

Designing neighborhoods or improving on present residential groups starts off evolved with searching at the various components and layers that create a superb neighborhood and knowledge how those portions are incorporated and assembled.

- Start with the existing Natural Areas and Opportunities for Ecosystem Enhancement
- Outline a Mix of Land Uses
- Ensure the neighborhood is properly connected
- Integrate an expansion and mix of Parks and Community Spaces
- Provide for Housing Opportunity and Choice





# Neighborhood Space in Residential Environment in Meepe

## (Residential Apartment + Recreational Public Space + Pedestrian Friendly Walkable Street in Strategic Site)



**Name:** S.D Rathnayake

**Supervisor:** Dr. Chameera De Silva

**Email:** [sanojadarshani96@gmail.com](mailto:sanojadarshani96@gmail.com)

**Index No:** 172335L

### Executive Summary

The project report has been presented the need for a plan by identifying problems and potential of the study area. The conducted site and context level analysis supported to development of the vision for Site planning project with goals and objectives. Then, the report has been explained the developed master plan with the specific strategies. Other than strategies, the specific and general guidelines provided to achieve the vision as a main part of the report. The project impact assessment and its cost-benefit analysis have been illustrated in the latter part of the report. All the illustrations related to analysis, vision, strategies, and guidelines have been specified in detail in this report.

### Site Details

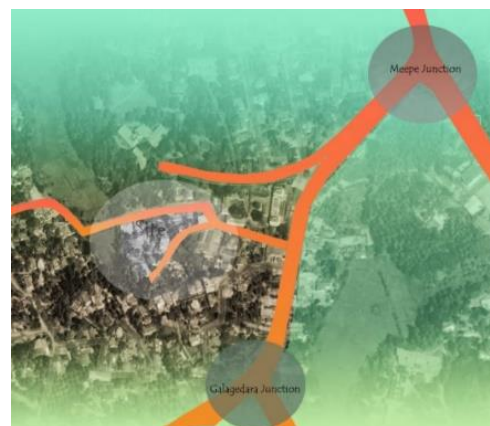
**Location:** Meepe, Colombo District

**Area:** Selected functional boundary covers 160 perches spreading that including Major Junctions of Meepe & Galagedara

**Current Building Usage:** Residential

Site Context

Existing Building Layout



### Need of a Development Strategic Action Project

Development Potential of Site Location



#### ➤ Development Trend

- ✓ Natural Attraction area

So, to reduce the incompatibilities with the nature & the human with these characters development guidance is a must. And currently the resources are not utilized up to its highest & best use

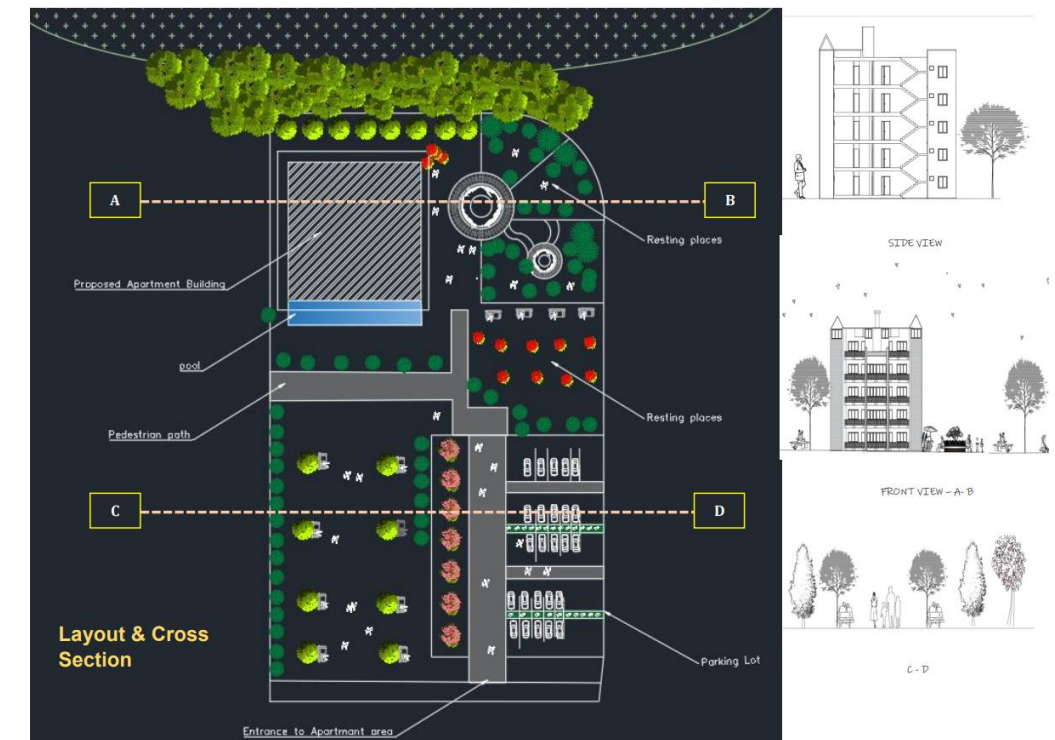
#### ➤ Location potential: in terms of transportation

- ✓ Nearest Main Junction
  - Meepe junction
  - Galagedara Junction
- ✓ This site is located between Meepe Junction & Galagedara Junction.
- ✓ Accessibility
  - High level road

#### ➤ Location potential: in terms of Other Services Building in Site area surrounding

- ✓ Local roads directly connected to the main road
- ✓ On the other side are the Teaching development center & the leadership development center

### Proposal Plan - Proposed Residential



### APARTMENT AND PROJECT FEATURES

The Locations and Linkages credits encourage developers to build Residential apartment away from environmentally sensitive place and to locate them instead in previously developed and preferable site. These credits reward homes that are built near already-existing infrastructure, community resources, and transit facilities, and they encourage access to open space for walking, physical activity, and time spent outdoors.

### OBJECTIVES AND JUSTIFICATION OF THE PROJECT PROPOSAL

- Make use of the available land up 100% efficiency.
- Construction of iconic high rise building which can be used as an apartment building which will consisted of 5 Story building with good quality of facilities such as a swimming pools, gym, restaurant. Etc....
- Adapt the green concept to the building its construction and its operational stages.
- Provide high facilities to the residents of the building while maintaining the safety of the residents.
- Protect the environment same time contribute to the economic development.





**Name:** Sajani Senadheera  
**Supervisor:** Dr. Suresh Shanaka  
**Email:** [s.suwanka@gmail.com](mailto:s.suwanka@gmail.com)  
**Index No:** 172338A

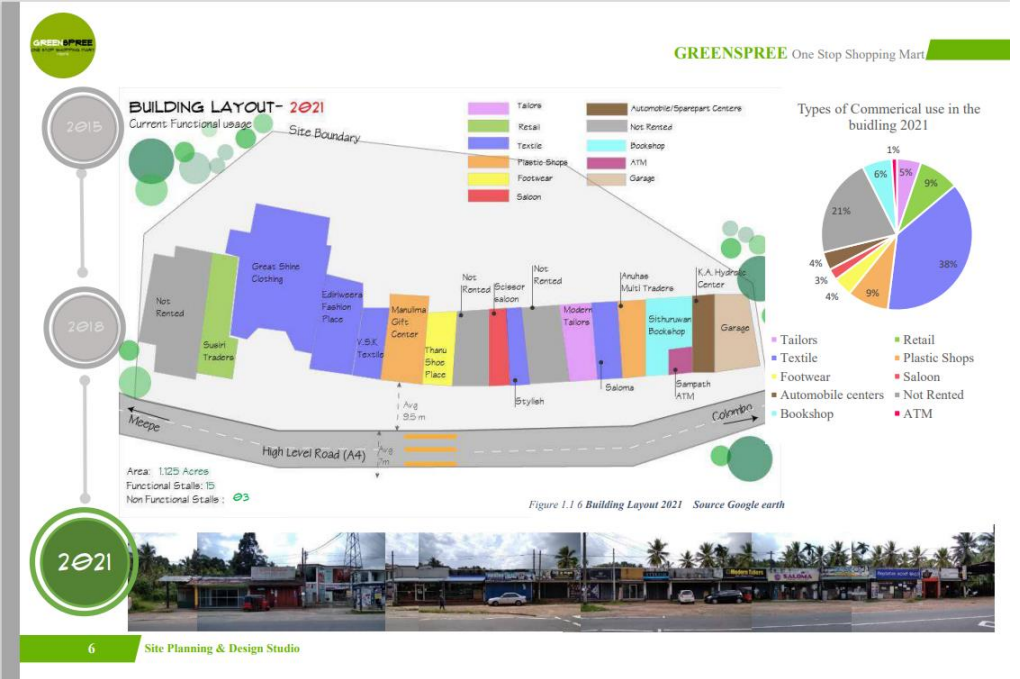
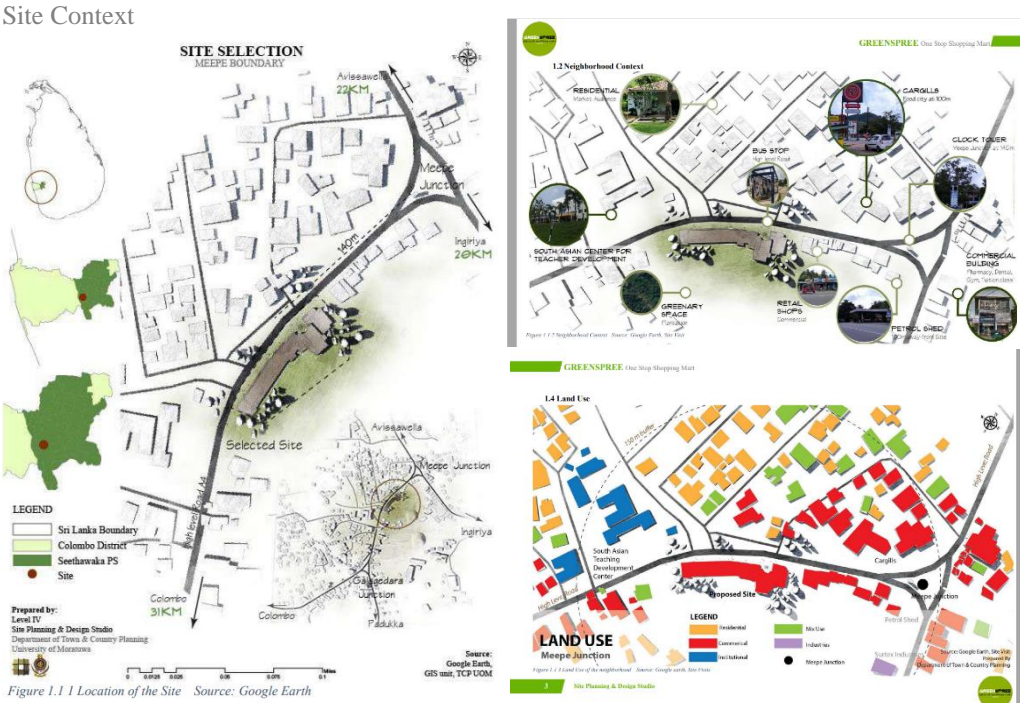
Executive Summary

GREENSPREE is a multifunctional green building that serve the city in various commercial and recreational facilities. It targets diverse inhabitants as well as commuters who reach outstation cities through Meepe city. This particular building is proposed as a landmark, 140m away from Meepe junction, that it resembles the Green concept of sustainability that is proposed under the DGP of Meepe. In line with the guideline plan, this proposal is a self-sustaining energy that promotes green initiatives as, Solar power, waste water management system, (Grey water to plant), Bio septic tanks, Green Roof, walls & Pavement to reduce urban heat, Rainwater harvesting systems, Compost pit & 5R system.

Site Details

**Location:** Meepe, Padukka DSD, Colombo District  
**Site's Coordinates:** 6° 51' 26'' N 80° 50' 24'' E  
**Area:** 1.125 Acres      **Built-up Percentage:** 32%  
**Current Building Usage:** Commercial  
**No of Stalls:** 16 Stalls      **No of Stories:** 1 & 2 stories (3-6) m  
**Building Age:** 25+ yrs      **Land Ownership:** Private

GREENSPREE: ONE STOP SHOPPING MART, MEEPE  
STRATEGIC ACTION PROJECT PROPOSAL



Existing Building Layout

Need of a Development Strategic Action Project

According to the premier Site Location in Meepe it would be a crossing city to reach many outstation cities. Captivating the advantage of the upcoming opportunities due to expansion in high level and tourist attractions. The biggest threat Meepe face is the lack of conservative measure of Green environment. So in order to utilize this land to a better

purpose, it requires Strategic Action project since it entails greater balance between Nature & Human Involvement.

Proposal Plan for the GREENSPREE



Figure 3.1 Ground Floor of the Proposal

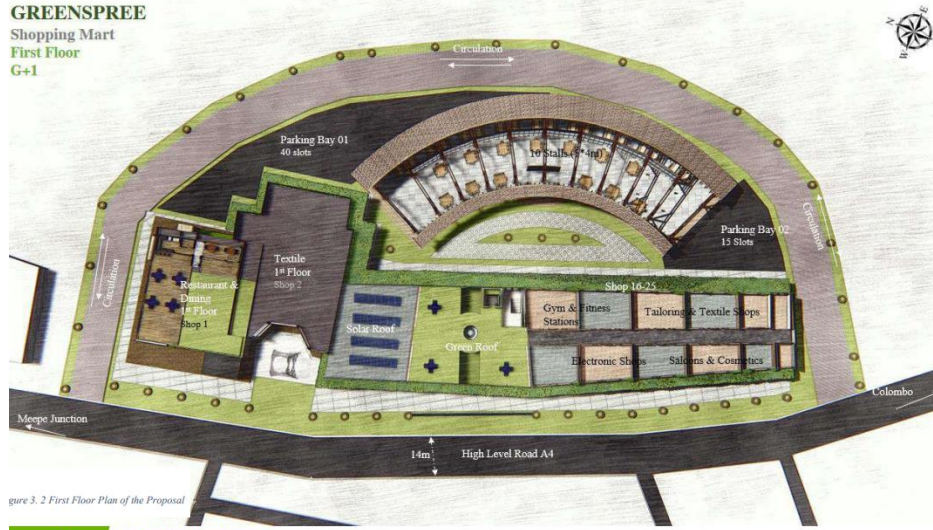
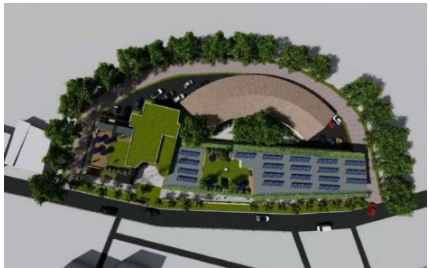


Figure 3.2 First Floor Plan of the Proposal



Proposed GREENSPREE Green building



INTERGRATED SERVICE HUB AND PUBLIC PARK DEVELOPMENT PROJECT HOMAGAMA



Name: H.P.T.S.Silva  
Supervisor: Dr Chamali Hewawasam  
E-mail: silvatharindu928@gmail.com  
Index no: 172339D

Introduction

Homagama is a town which located about 24km southeast of Colombo. According to the **Sri Lankan National Physical Plan (2050)** the Homagama Pradeshiya Sabha is located in the **Economic Development Zone**. Hence, we should align with that main scope when planning the space by considering the betterment of the people and future of the country. Due to the fact that, Homagama area is included in the **Colombo core** area, should be considered how can cater to the development of the **Colombo core** area which is the **Commercial Capital of Sri Lanka**. The **Development Plan (2019-2030)** have been aimed to raise the living standard and future developing environment sensitive areas while preserving its natural resources.

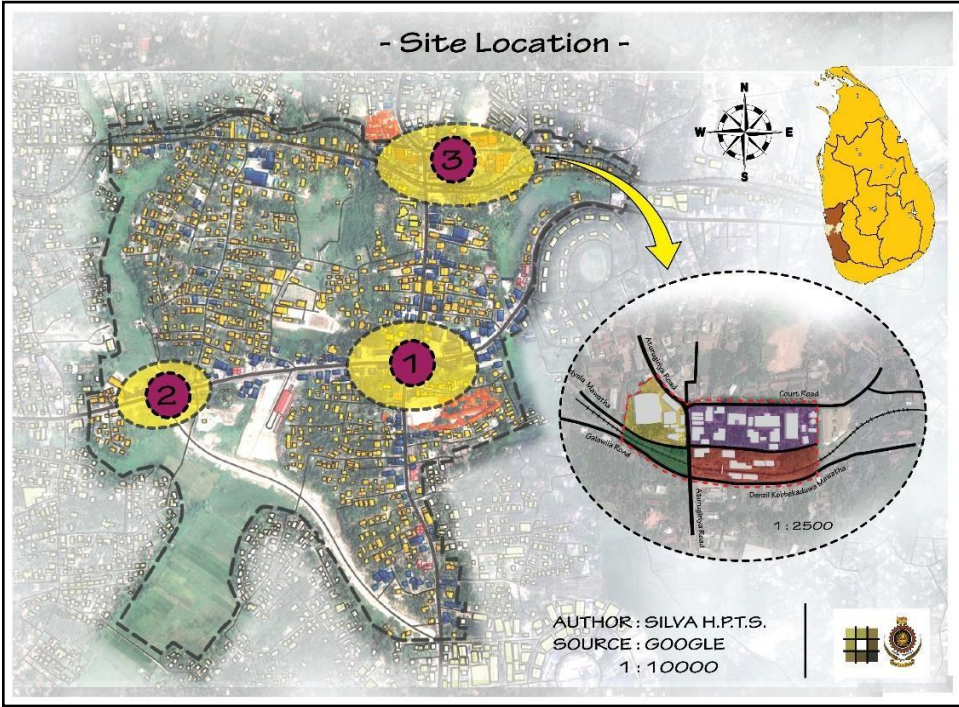


Figure 1\_Site Location

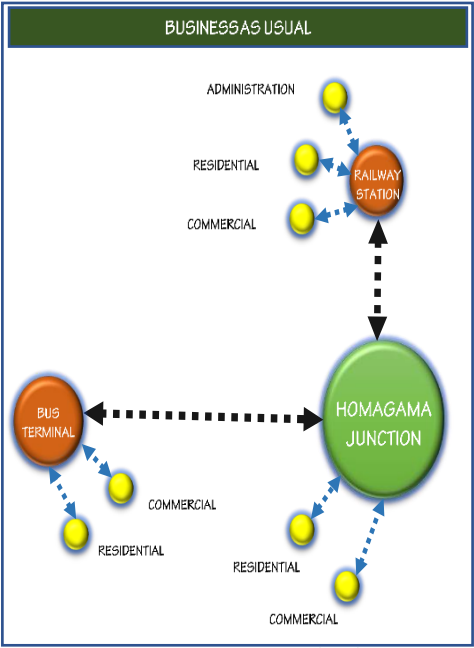


Figure 2\_Business as Usual

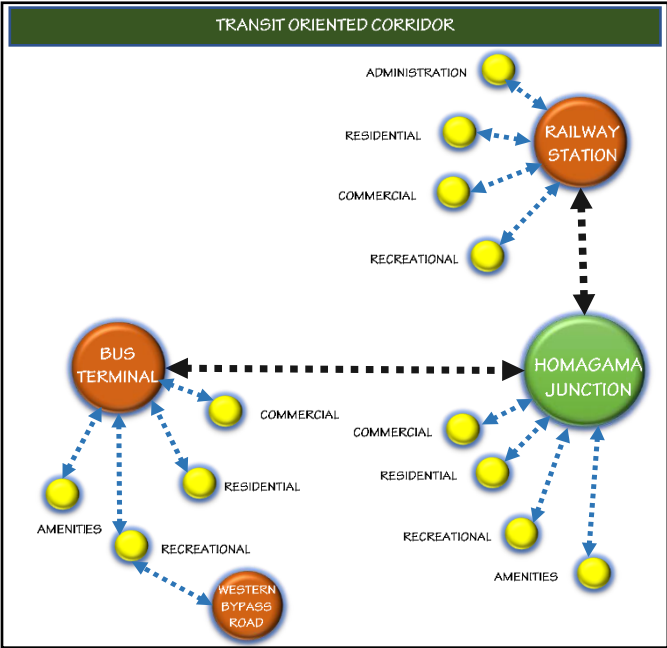


Figure 3\_Transit Oriented Corridor

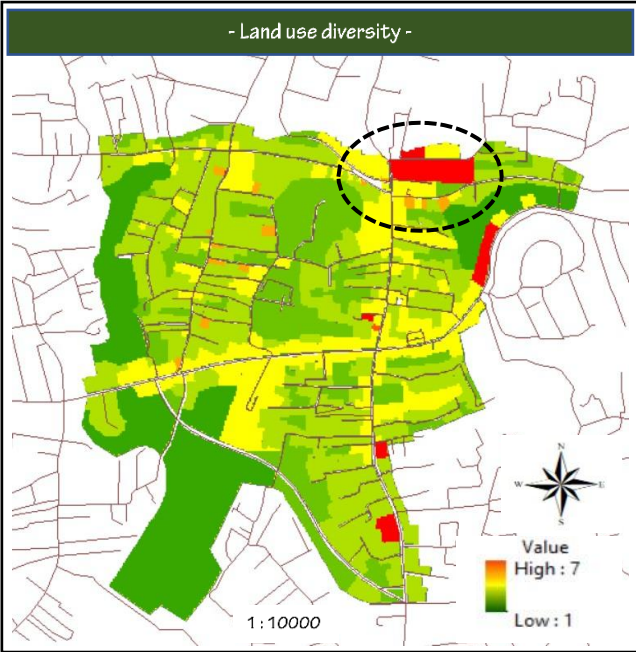


Figure 4\_Land Use Diversity

In Figure 2, show one of the focal nodes in Homagama. According to the Business as usual scenario the railway station node has an importance and attraction by comparing other nodes (figure 3). As well as, when it comes to land use diversity the selected site has special character than other areas (figure 4)



Figure 5\_Existing Uses

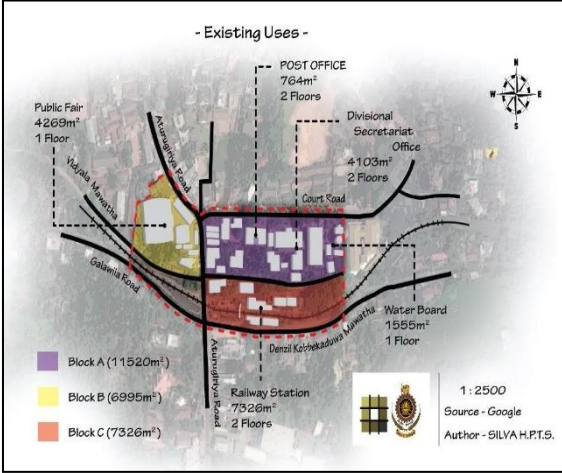


Figure 6\_Existing Uses of Selected Site

- According to the proposed **Conceptual Design of Development Guide Plan (DGP)** this site has been allocated plan as a **Service Hub and Station Hub**.
- As a proposed plan for selected site, intend to propose **Block A** plays the role as a **facilitator for Block B and C**.

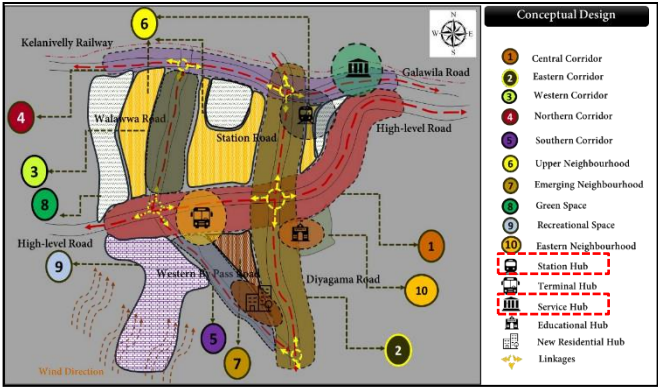


Figure 7\_Conceptual Design

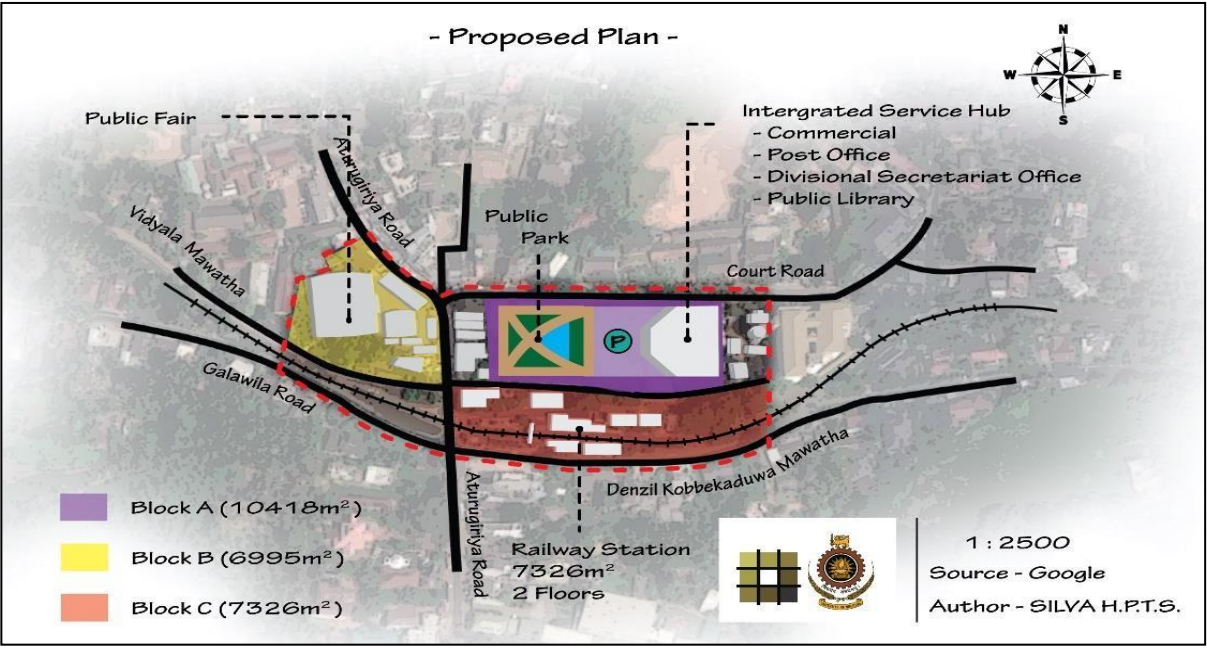


Figure 8\_Proposed Plan





Name : S.S. Siribaddana  
Supervisor : Dr. Chathura De. Silva  
E-Mail Address : [supun15sugandhi@gmail.com](mailto:supun15sugandhi@gmail.com)  
Index No : 172340X

## Introduction

This plan has been prepared for the academic purpose of the Town & Country Planning department, final year, Site Planning & Design Studio module. Under the phase 1 of the module, prepared Development Guide Plan for the selected area based on the 3 goals as Eco Centric Corridor for South District, People Centric Corridor for Central District and Self Sustain Corridor for North District. Under the phase 2, prepared site plan for the individual sites. Sports Zone Development Project was prepared under the goal as People centric Corridor based on the objective as People centric Corridor for necessary commercial and public services.

## Location

Selected Site is located in the Biyagama Pradeshiya Sabha Area. It is facing to the New Kandy Road with 1 Km away from the Bandarawaththa Junction.



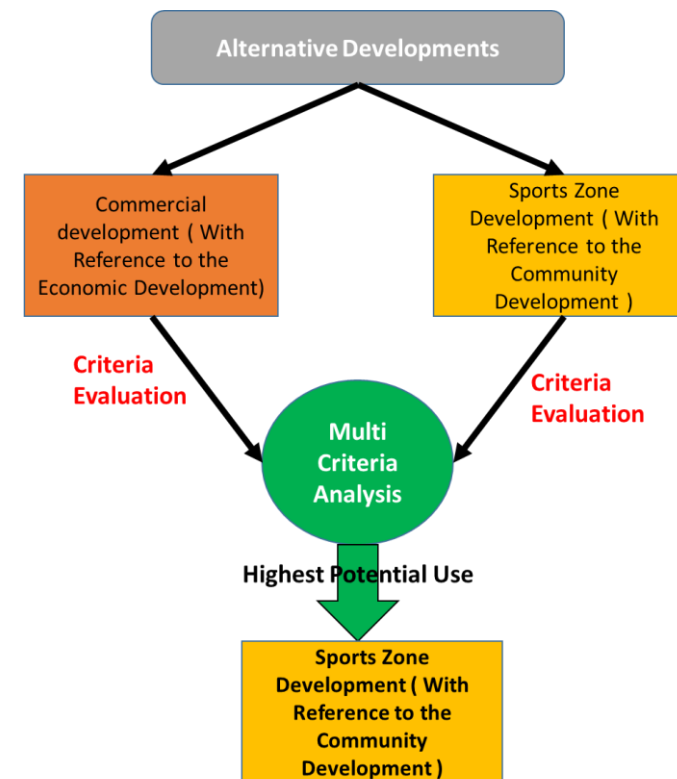
Total Land Extent	2.3 Acre
Land Ownership	Private land ownership (2 Residential Units)
Boundaries	North – Existing Commercial Strip South – Fonterra Brands Building East - Fonterra Brands Building West – New Kandy Road
Access Roads	B 214 - New Kandy road
Land Value	Around Rs. 600,000
Client of the Project	Private Investor

## Need of The Plan



## Sports Zone Development Project

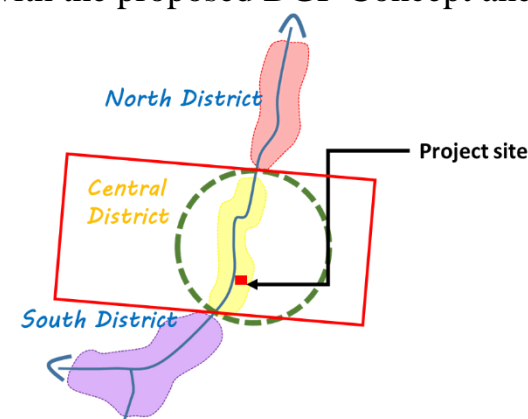
### Suitable Development Activity for the Site



### 01) Benefits for the Public & Local Community

- Developing of mental & physical health of the public & Local Community
- Connecting the linkages with community and space development
- Economic Benefits for the Local Community
- Adding more land values to the near units

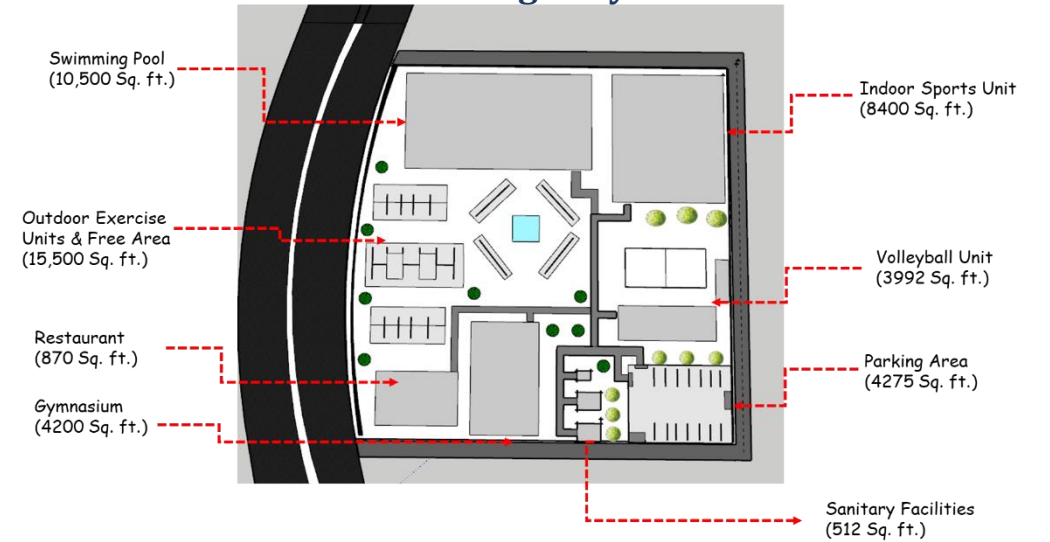
### 02) Fitness with the proposed DGP Concept and the selected project



### 03) Special Opportunities for the Development Project

- Close Proximity to main Developed Areas.
- Emerging new apartment units
- Having Common Uses in surrounding Sites

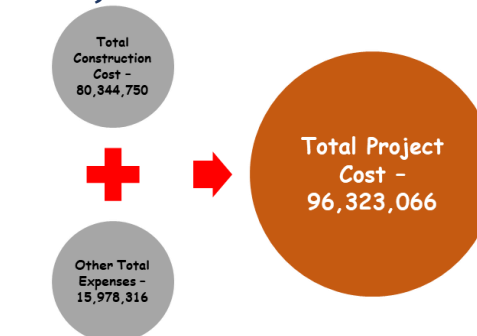
### Design Layout



### 3D View of the Layout



### Project Cost



### Financial Feasibility

NPV = 17668917.07
IRR = 19%
Payback Period
3 Year + (7730633)
39327700
3 year + 0.2
3 Years 2 Months
Cost Benefit Ratio
PI = $\frac{\text{PV of Cash Inflows}}{\text{PV of Cash Outflows}}$
= $\frac{164546000}{117724658}$
= 1.4





Name :S.M.V.U Subasingha  
 Supervisor :Dr. Rohana Ratnayake  
 Email address : [vishmiu2017@gmail.com](mailto:vishmiu2017@gmail.com)  
 Index no :172341C

## Summary of the site planning

This project is aimed at the community and the businesses in the site, so that they can share the vision of the city with sustainable environmental & sustainable economic goals. This site project focuses on the community development and redevelopment of the public space in and around the city currently in under use due to the failures and issues. And the create recreational space for local and overseas visitors for their entrainment and experienced environmental appealing.

## Site introduction

- District –Colombo
- divisional secretarial division – Hanwella
- Land ownership - Seethawaka Pradeshiya Sabha
- Land extent – 4.3 acre

## Objectives

- Getting the highest and best use of the land considering the future development trends
- Creating a place of environmentally sustainable, economically viable, socially desirable, and legally permissible
- Convenient selling and buying spaces with parking.
- Avoid the haphazard development that disrupts the visual appropriateness.
- Provide the commercial space for everyday uses and attractive the visitors to this place.

## Need of the project

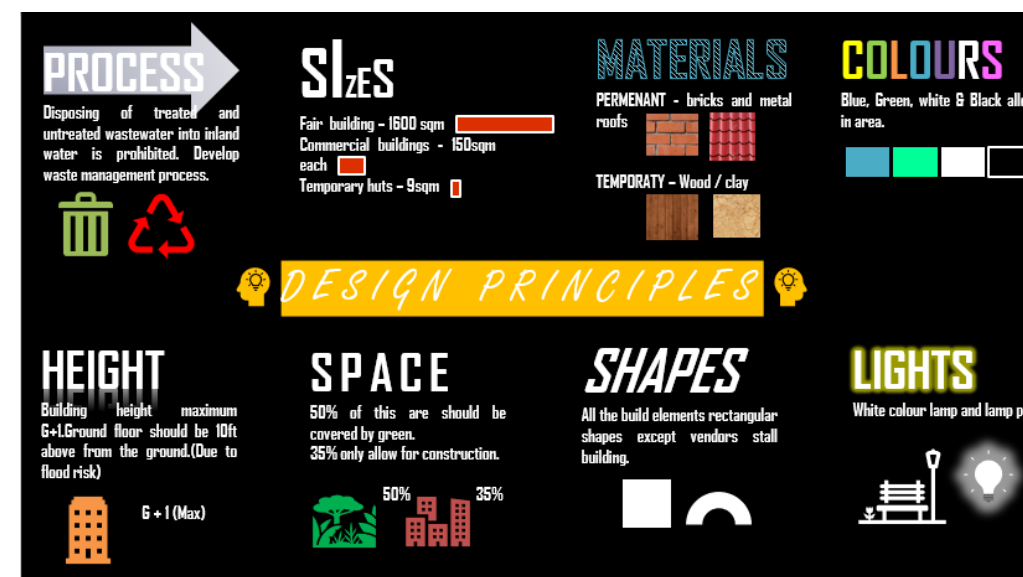
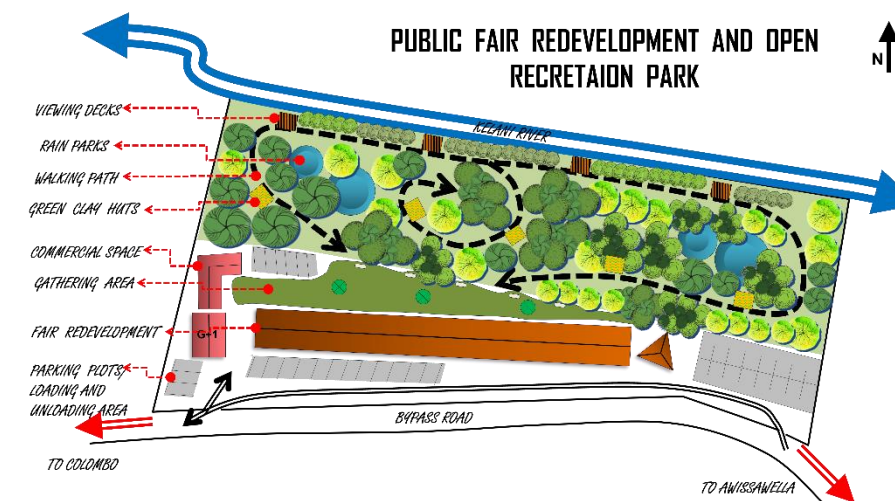
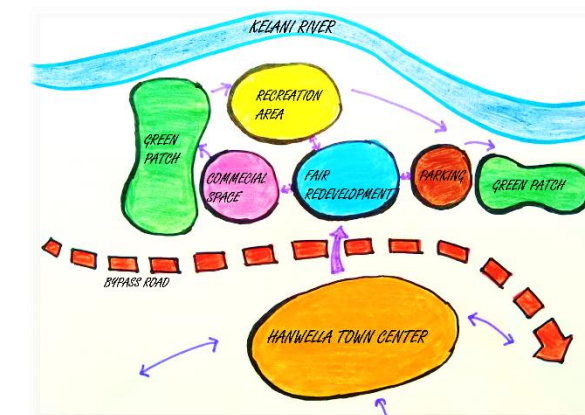
contextual analysis leads to recognize existing scenario in Hanwella. It was identified less planning intervention in the area through the problems and potentials. Accordingly, detailed planning guidelines are proposed for the area, and it is hoped to achieve the vision by 2040. The reason for the need for a plan,

- To enhance environmental sustainability
- To reduce uncertainty of future event
- To improve livability of the area
- To bring economy in operations
- To provide the basis of control
- To takes optimum utilization of available resources

## Project outcomes

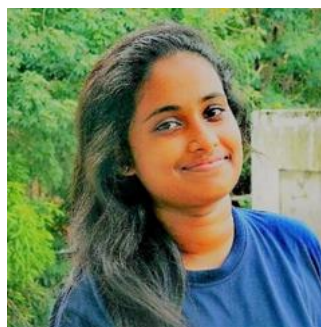
- Uplift vendor's opportunities and gain incomes in rural farmers.
- Increase private sector investment in tourism activities in selected area and rationalized public sector institutional framework.
- Improved economic benefits to local community and neighborhoods and strengthening the tourism related business.
- Increase in the local handicraft product demand and develop the SMEs

# PUBLIC FAIR REDEVELOPMENT & OPEN RECREATION PARK





# DEMO COMMERCIAL COMPLEX, BIYAGAMA INDUSTRIAL TOWNSHIP ZONE



**Name:** M.H.Hansi Sandu Tharaka  
**Supervisor:** Dr. Wathsala Gunawardhena  
**Email:** [hansisandu98@gmail.com](mailto:hansisandu98@gmail.com)  
**Index No:** 172342F

## Executive Summary

Demo Commercial Complex is a multifunctional commercial building that serve all at one place. New Development aims to reach the various inhabitants and the commuter population who plan to reach to the Biyagama Industrial zone under proposed DGP. The proposal seeks to develop new commercial node in proposed Industrial Township to people afford all at one place. This particular building has proposed under two phases. In the first phase, complete commercial complex (G+2) will complete with gymnasium and gaming café. The commercial complex (G+6) will totally completed after 4 years of the first phase with huge landscaping area. It adopts new design concept such as;

- Public Realm – Creating inviting & comfortable space to gather
- Connected Paths – Design of integrated paths
- New Parking Experience – Vertical & Basement parking spaces
- Sustainable Building – Sustainable initiatives have been adopted

## Site Details

**Location:** Biyagama DSD

**Area:** 4.3 Acres

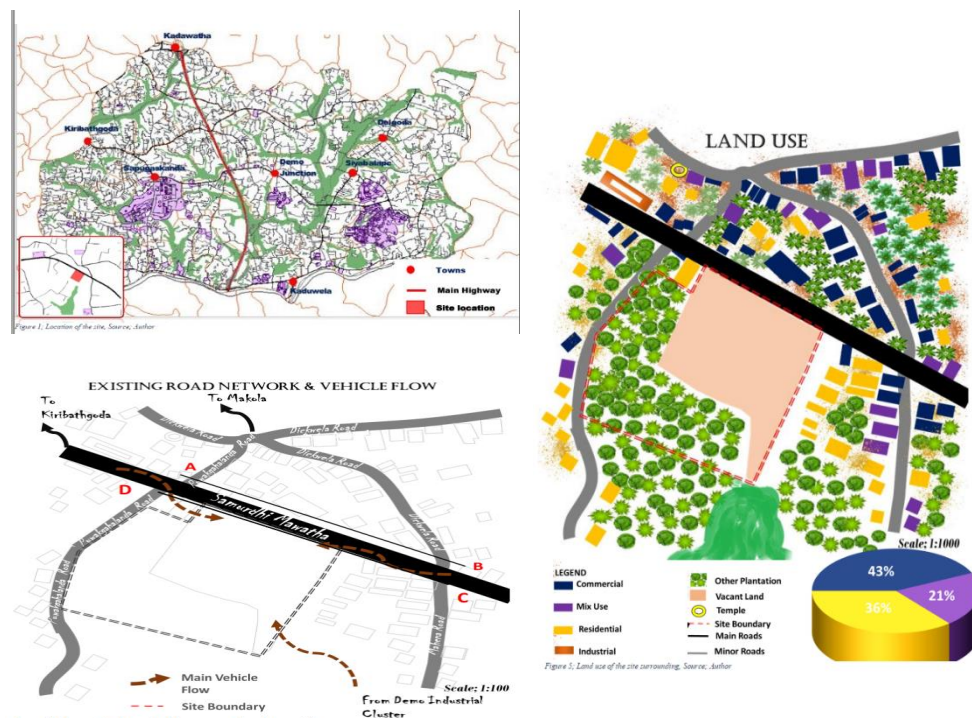
Clearance Land – 1.7 Acres

Plantation Land – 2.6 Acre

**Current Building Usage:** Lorry Parking

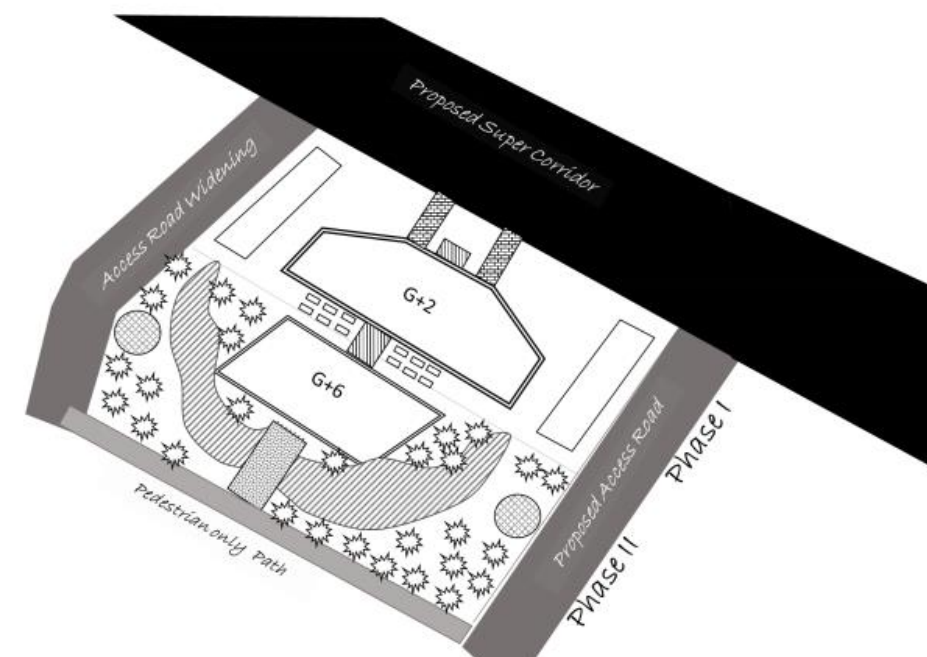
**Land Ownership:** Private

## Site Context



## Proposal Plan for the DEMO COMMERCIAL COMPLEX

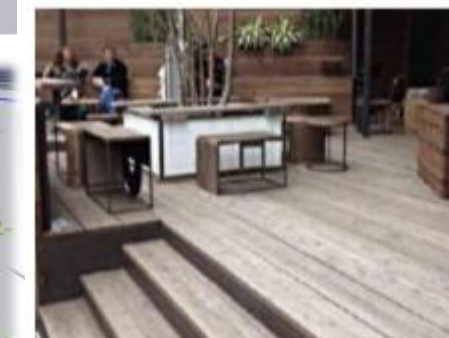
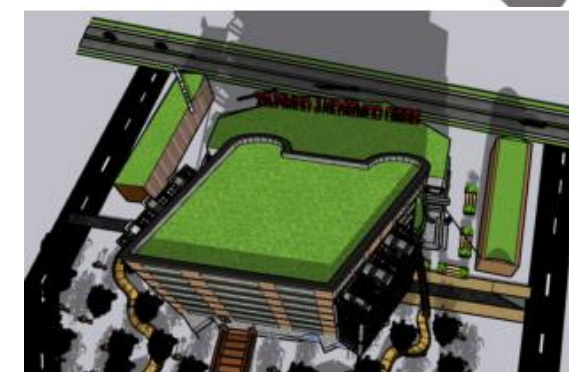
### LAYOUT PLAN



## Need of a Development Strategic Action Project

The site has located the prominent accessible point in industrial cluster and interior spaces also get high development pressure with already developable lands. The proposed zoning guidelines gives a need for a new development because site has located within the proposed township zone and frontage to the proposed super infrastructure corridor( 40m width – 4 lane road) with central water network, 20GW electricity network, Underground Storm water management & Drainage system. Further, it has located at proposed second order Demo township in DGP. The proposed development need has highlighted,

- To maintain future high intensity streetscape of Demo township
- &
- To create memorable node in the township as first attempt towards to the Demo Township





Proposed Green View Development at Hanwella



Name: VINOJA THANGARASA  
Supervisor: Dr. Susantha Amarawikrama  
Plnr.Laksika Mettiyagoda  
E-mail: [Vinojathangarasa97@gmail.com](mailto:Vinojathangarasa97@gmail.com)  
Index number: 172343J

Executive summary

The proposed development is tried to convey the comprehensive Planning and design intervention for the selected study area. Under the academic module of Site Planning and Design studio it is assign to convey a comprehensive planning and design application for the selected site area which should be larger than two acres and evaluate the proposed planning interventions under the several criteria. In order to propose site planning intervention this particular project based on the Seethawaka local plan, the study area as near to Hanwella town by considering the essential planning intervention of the place. The proposed project is expected to deliver a comprehensive planning application for the selected area as a **Green view garden project**. It is expected to enhance the study area accessibility, walk ability, agriculture, social inclusion and enhanced the commuter facilities through the proposed development while developing the area as **“Green lung of Hanwella”**. In order to proposed development the particular project evaluates the study area context and applicability of the proposed development through the several analytical measures and further it forecast the project feasibility under the environmental, social, physical and financial aspects for the proposed development elements of the project and identified that the particular project is feasible in all the considered aspects. Finally, it is conclude the project by proposing the project monitoring mechanism and project break down structure for the project implementation purposes.

Need for a plan

According to the contextual analysis, the study identified the potentials and constraints of the site. It leads to have particular development in this site.

Potentials of the Site

- One of the large open spaces in Hanwella with agriculture cultivation and wetland
- Capacity of water retention
- High accessibility to the users
- Surrounding neighborhood community
- Variety of activities in the surrounding : Banking, market, education, retail shops, & Paddy cultivation
- Proximity to the town centers
- Scenic view of the site
- Receiving full sun exposure for at least 7 hours a day, and optimally 11 hours

Constraints of the site

- Poor land utilization
- Lack of attraction to the site
- Presence of negative externalities (Bad smell, No user friendly)
- Poor connectivity between the neighborhoods
- Poor drainage system

CONCEPTUAL PLAN



Green Lung of Hanwella

As “green lungs,” they provide a multitude of ecosystem services for the constantly growing cities. They clean the air by binding CO2 and exhaust gas particles. At the same time, they provide shade and cool down their surroundings by releasing humidity. All these qualities are of highest relevance in view of progressing climate change (KIT, 2019).

Objective of the project

To provide multitude of ecosystem services

- Maintain air quality, reduce urban heat and make visual appropriateness for the entire town centre
- Reduce flood risk and environmental pollution

To provide a healthy life for inhabitants and commuters

- Provide food from urban agriculture
- Provide environment to gain physical and mental fitness

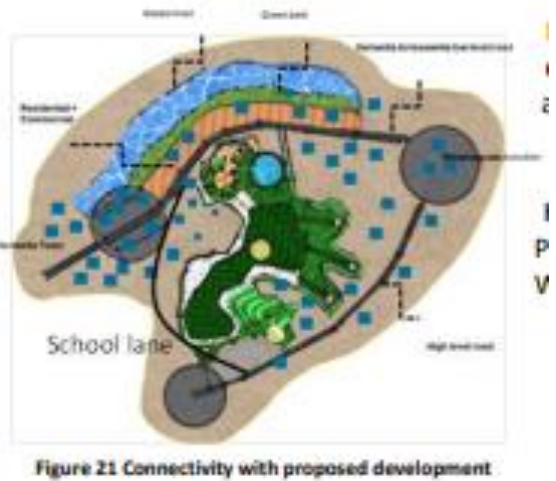
To increase the economic revenue and quality of livelihood

To increase food security

To make an inclusive and sensible place

Key consideration of the proposed development

- According to the Karlsruhe institute of Technology, I identified key consideration of the projects.
- Environmental preservation
- Livability and social inclusion
- Walkability
- Neighborhoods development
- Urban agriculture
- Economic Revenue
- Clean and Healthy environment



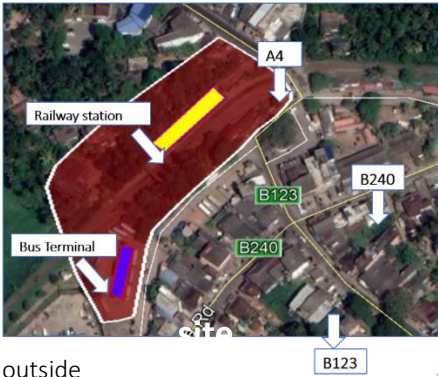


TRANSIT JOINT MIXED-USE DEVELOPMENT  
PROJECT-PADUKKA



G.V. Therusha Piyumantha Wanigasekara  
Supervisor: Dr. Rangajeewa Ratnayake  
E-mail: Therusha.piyumantha@gmail.com  
Index no: 172344M

Location of the site



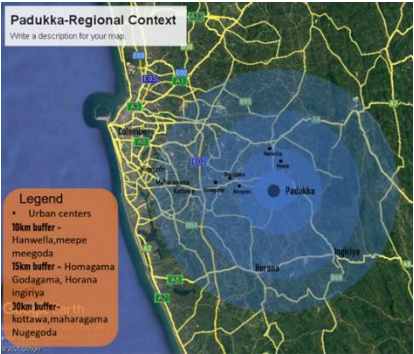
The site is representing core transit part of the padukka town center. Hence It has big role to play in the ground. Transit node should provide all of the access and the functional efficiency for the people who are coming from outside and within the site. But there is a problem about existing role which is playing by padukka town center. It is not playing real role of the site. Padukka main transit nodes do not have much more confidence to absorb existing and future demand. It has good demand, but this padukka site does not have capacity to absorb that demand by giving people needs. There are few main problems to face that situation by padukka site as bellow mentioned. (Site – 3.70 acres).

Contextual analysis

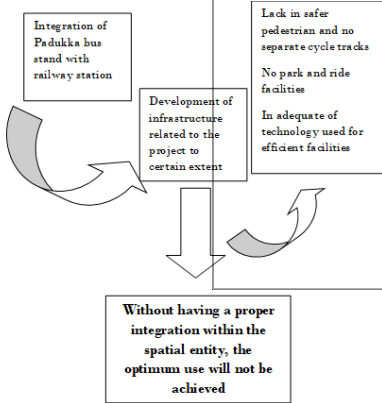
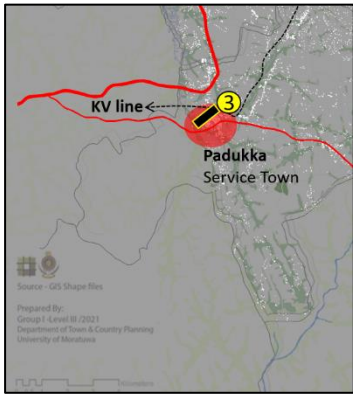
Padukka site has begun as a commuter interchange center for surrounding area. Because of it has main class station of KV line. and padukka site has been places in between in 3 major access roads. Here padukka railway station was the magnet of the padukka. Hence all of the developments and activities have been aligning parrel to the transit center.

Attributes	High	Moderate	Low
Structural stability			
Space to grow			
Legibility			
Connectivity			
Serviceability			
Economies of Scale			
Reduced transfer cost			
Externalities			
Socially Equitable			
Harmony with ecosystem			
Optimized utility of land			
Effective use of Energy			
Aesthetically Appealing			

Regional Linkage



Business as usual scenario

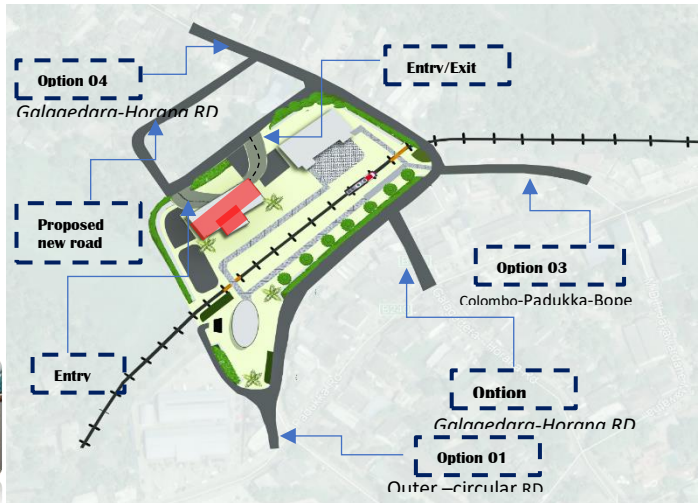
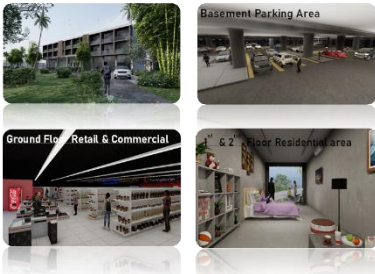


Development Activity

Development Activity	Transit joint Mixed Used development in padukka (Commuter based Mixed used B Parking facilities)
Project component	Commuter residential facilities Managed Parking system (inbound & outbound) Park & Ride facilities Walkable & cycling facilities Commercial facilities
Land Extent	1.0 Acres
Implementation Model	Private sector investment/Land lease method
Project location	Map 1 - Proposed development activity



Desian Concept



Site planning is considered as a small-scale planning intervention which derives a product to a town or a city. Compare with local and regional level planning site planning projects deal with space with a detailed comprehension. So, the task of arranging the space in a small land parcel is challenging. The site planning project in padukka was basically initiated with field surveys, stakeholder interviews to get a better understanding about the purpose of intervention to the site. After doing further analysis and review case studies, it was clear to derive the best fit proposal to the site which gain the optimum utilization. As site planning level projects.



## URBAN MARKET AREA DEVELOPMENT & RECREATIONAL DEVELOPMENT – MATTEGODA



Name: W.M.B.D. Weerasekara  
Supervisor: Mrs. Malani Herath  
Email: bhagyawd@gmail.com  
Index no: 172345R

### Introduction

The selected site for the site planning project is located in the Homagama Pradeshiya Sabha area of Colombo district and it is a residential activities-based township located in the Western Province. Mattegoda is a well-known city that is famous mostly as a residential city within the Homagama administrative boundary and it is functionally connecting with several major town centers.

### Necessity of a planning intervention for the site

There are few social, economic, and environmental factors that justify the need for a planning intervention to the site. Which is significance of the site location, not gaining optimum utilization of the land, poor landscape arrangement, upcoming & ongoing development projects.

According to the stakeholder perceptions, the selected site area is most suitable for Commercial + Recreational development (mix use). Also, that site has a high economic value due to the high land values in the surrounding as well as being located adjacent to the Salgaha Approach main road and due to being proximity to the town area.

### Project Fitness for the Mattegoda DGP

**HOMAGAMA;**  
**“MOST LIVABLE VIGOROUS DOMICILE OF WEST”**



**GOAL 1 - UNIQUE AND PLEASANT LIVING ENVIRONMENT**

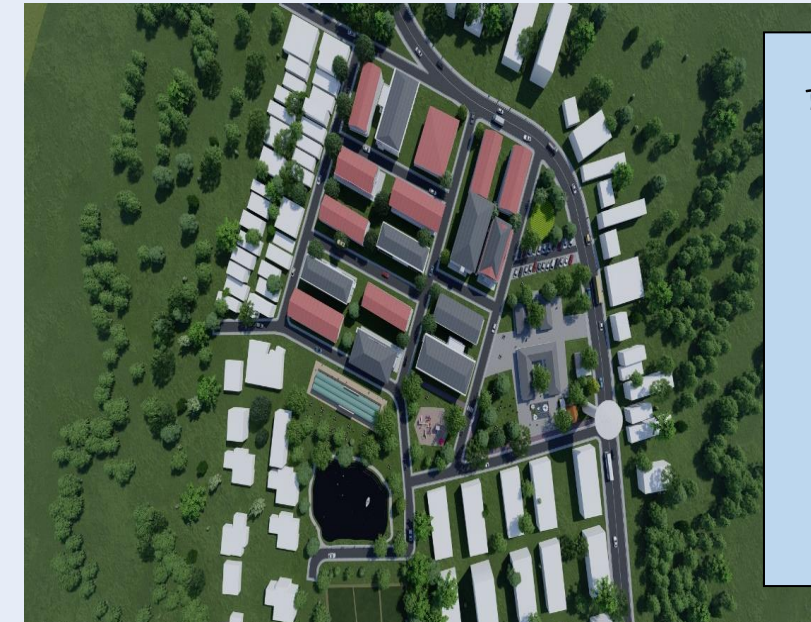
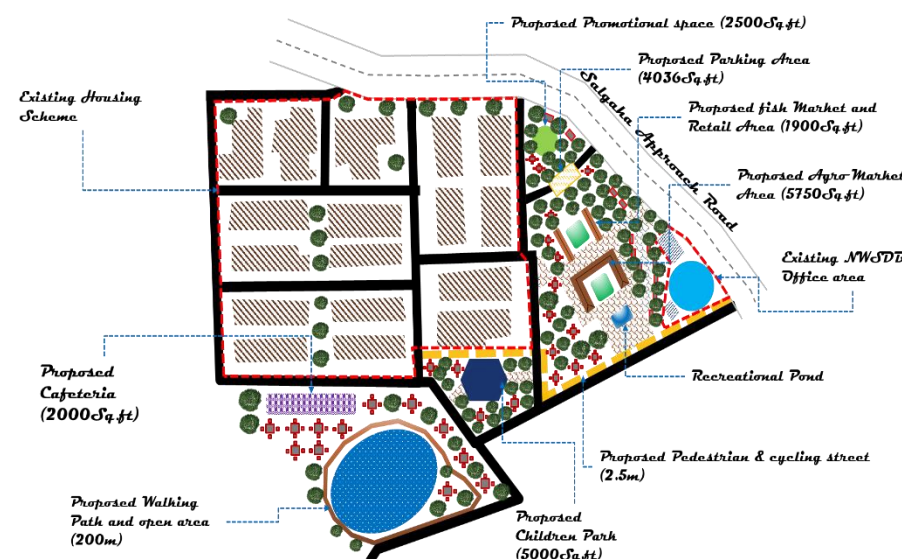
*Celebrating and enhancing the unique environmental identity of Homagama while fostering a high-quality life for Residents*

According to the core principles of goal 01 regarding to the neighborhood development concept, proposed project will be ensured the uniqueness of the area by preserving natural environment and building a unique neighborhood. Hence the proposed project will convert the whole area to a livable space by providing more open space and green amenities. Eventually particular project will be created a connected neighborhood because it is encouraging a mix use development (Commercial + Residential + Recreational) while integrating the open spaces.

### Conceptual Design & Detailed Design

Through the proposed conceptual design, it tried to give Comprehensive planning and design solutions for the study area while enhancing its natural and proposed development potentials and mitigate the problems. It mainly consists of urban market area development while enhancing the surrounding neighborhoods quality of life, preserving the surrounding natural environment and improve the economic status of the Mattegoda area.

Conceptual design was developed based on the proposed Development Guide Plan of Mattegoda. It was particularly prepared by focusing the neighborhood development concept. Therefore, it has several unique design principles such as preserve natural environment, unique neighborhood, housing opportunities and choices, secured neighborhood, build in resilient and low impact, human scale, mix of land uses and integrating open spaces. By the proposed conceptual design, above each principle is been addressed.

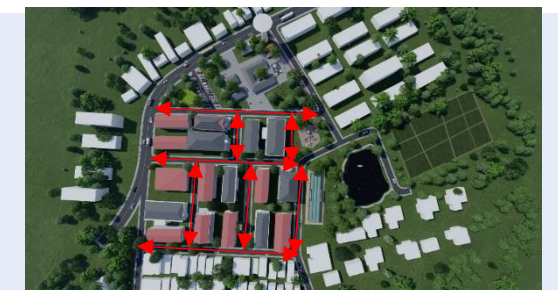


**Key Design and Development Concepts,**

- Walkability
- Livability And social Inclusion
- Neighborhood Development
- Healthy lifestyle and preserved natural environment



### Special Design Concerns



Regenerate the existing grid pattern street network



Introducing walkable pathways throughout the site





Name: Rashmi yapa  
Supervisor name: Dr. Rohana Rathnayake  
Email Address: [rashmidulanjaleeyapa@gmail.com](mailto:rashmidulanjaleeyapa@gmail.com)  
Index no; 172347B

Proposed Planning & Design Intervention for the Selected Site in Kahathudva

**Project:** Transit-oriented service hub with Recreational development. The proposed development consists of 2 major development projects.

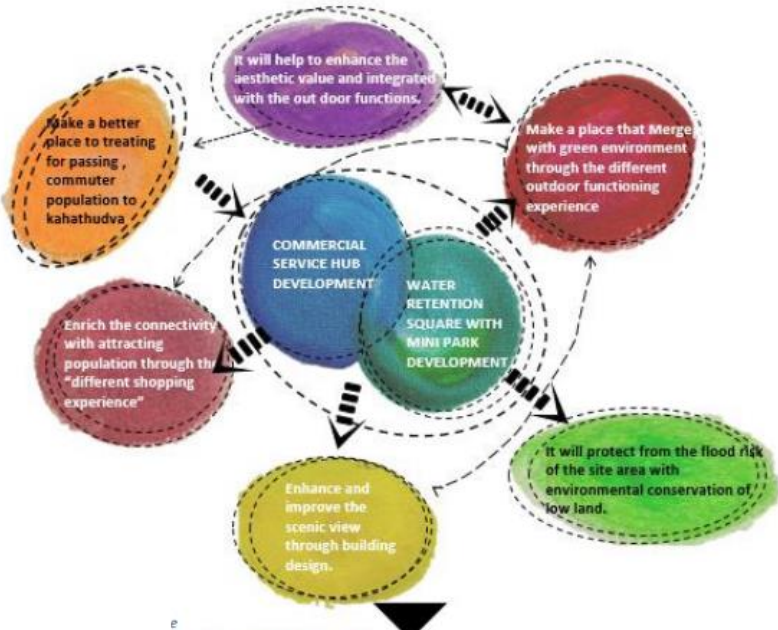
- Commercial Service hub Development
- Water retention square with mini-park development

Development objects of the site

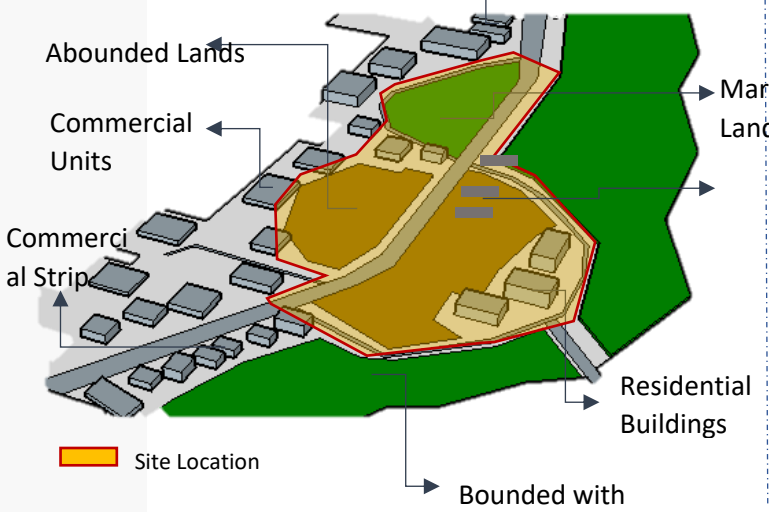
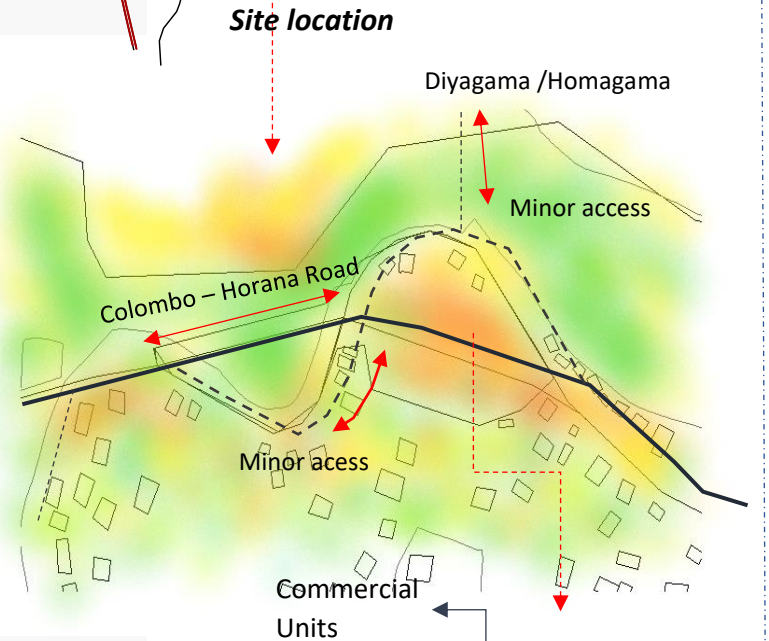
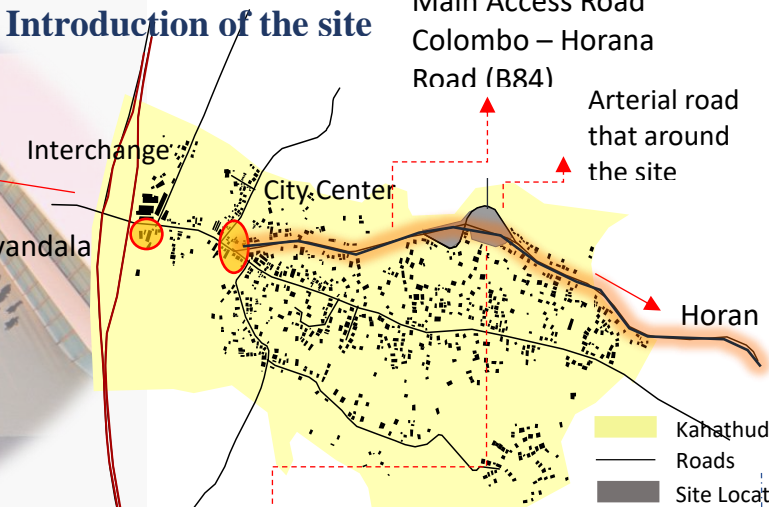
This project will be one of main project/step to enhance this gateway corridor as an income generate corridor for kahathudva from attracting population to this area. Actually, the proposed development will not cater only the Homagama PS area. It act as the regional role for the area.

1. Revitalize the visual quality of this area and improve the “sense of place” feeling related to the gateway corridor
2. Enrich the connectivity of this site to promote economic activities and improve the economic vitality of this area preserving naturality.

Importance of the Development



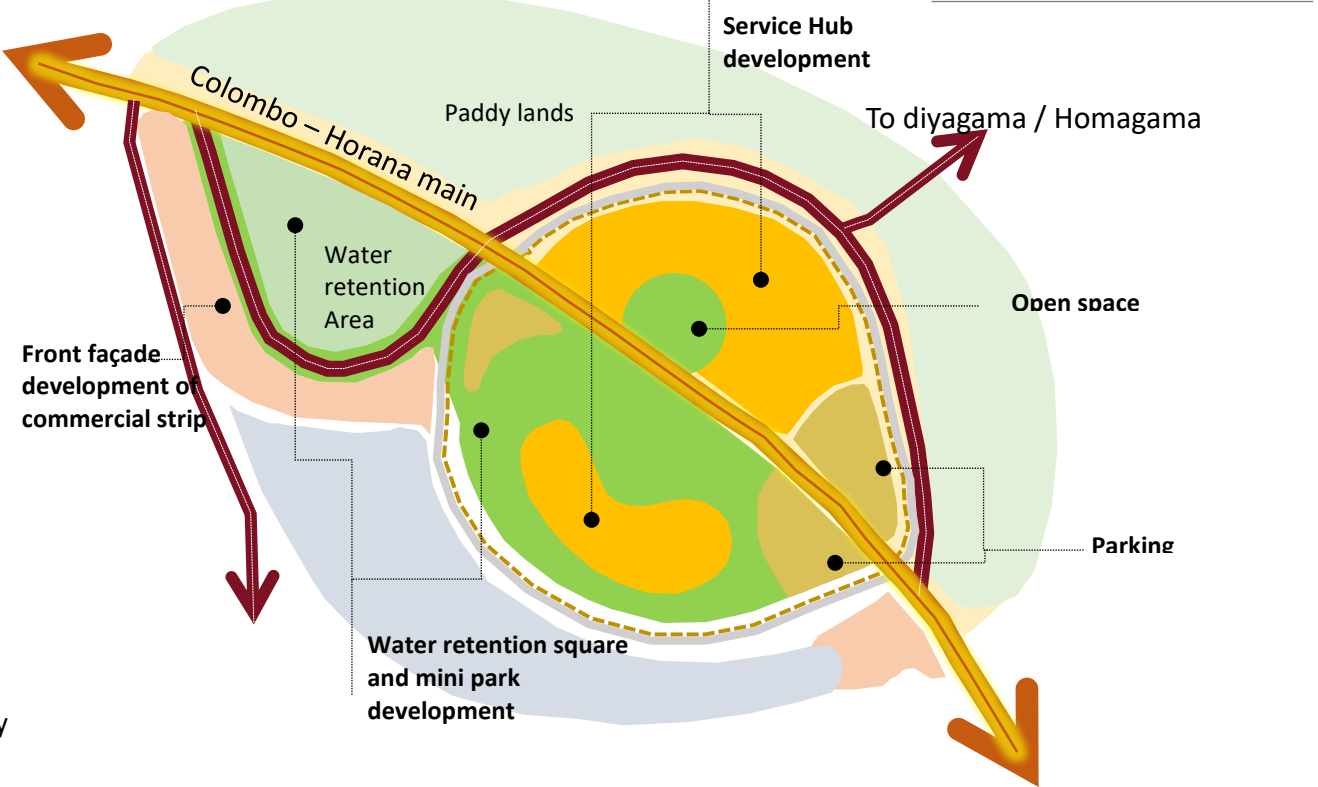
- Create a land mark
- Step for enhance the development trend as income generator corridor in kahathudva
- Scenic view and protect the paddy areas



Design proposal



Main spaces	Sub spaces	Uses
Commercial Area block 1	Dry wend area	Groceries, Stationaries, Pharmacy, Communications, Rentable pockets Areas, Textile and fancy stalls, ATM
	Indoor cafeterias	Indoor cafeteria
	Services	Sky lounge area
Commercial Area block 2	Wet market area	Temporary Food stalls, Fruit stalls and Vegetable stalls, Lottery and newspapers stalls
	Outdoor common area	Seating facilities with shadings
	Banquet hall	For ceremonies and functions
Commercial Area block 3	Wend Area	Snakes stalls, Temporary Food stalls, Lottery and newspapers stalls
	Water retention square with mini park	Outside function area, Walking Deck, Meditation units. Pocket spaces







Name – Koushani Amarasinghe  
 Supervisor- Dr. Sri Rohana Rathnayake  
 E mail – koushaniama@gmail.com  
 Index No – 172348E  
**Summary of the Site planning**

Kahathuduwa is located in Homagama, Western province Sri Lanka. It can be identified as a small township which shows lots of development characteristics due to the gains of transportation development. Due to the evolving situation of this area, lots of commercial and residential uses are now entering to Kahathuduwa.

The selected site is located in the main node of Kahathuduwa area. It is 200m away from the expressway interchange since the site is located in the central city core district which is predominantly commercial, there is a high potential to cultivate a commercial development. The location of the site in around 200m away from the Kahathuduwa interchange. (It is visible for the site). Thus, there will be high demand for commercial and service facilities. Due to the rapid development of Kahathuduwa there is a high demand for residential activities targeting upper middle income and high income communities. Canterbury golf resort apartments, Sky view Villas are some luxury apartment developments currently ongoing. The proposed development will be consisted with three main components which were identified in the context analysis. **City Center Development, Node as a Landmark, Open Recreational Area** to cater the future demand of the neighborhood gateway which has the locational possibility of attracting more investments and residential community.

# Commercial City Center Development Kahathuduwa



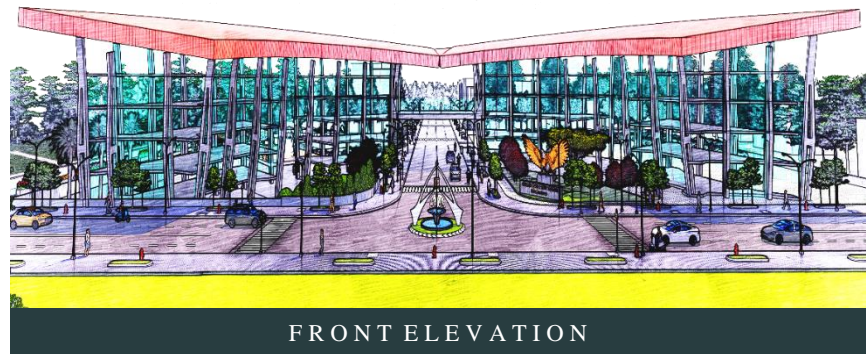
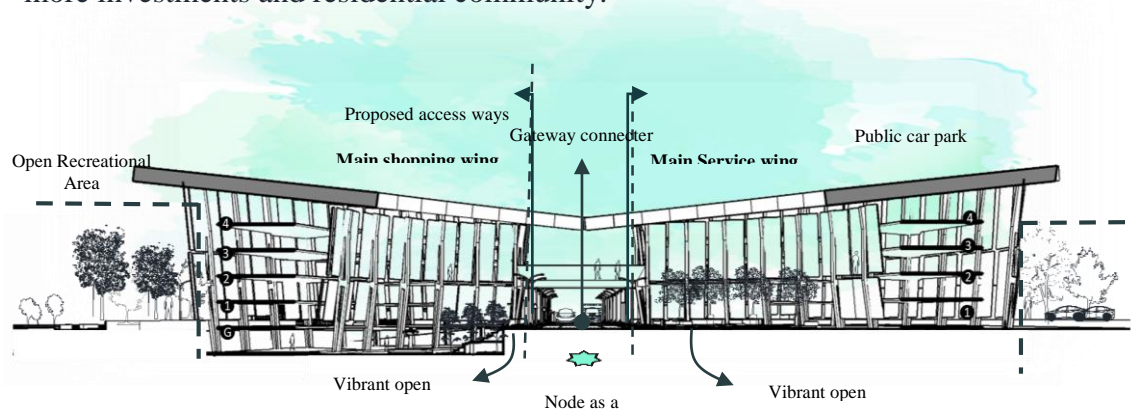
Overall site orientation for the main landmark – At the node



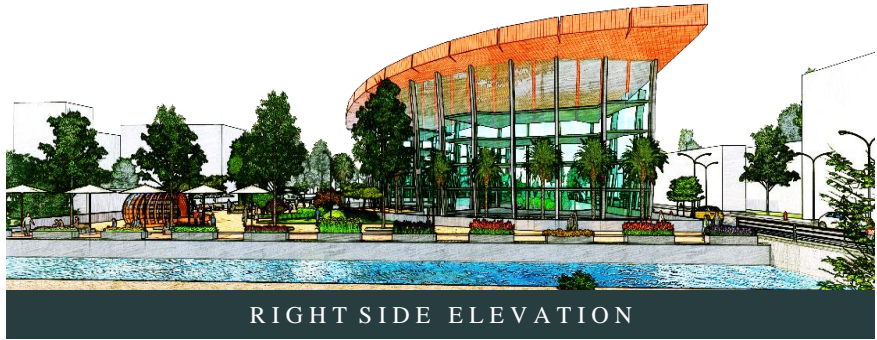
Improved pedestrian walkways (1.5m width) and the gateway connector to connect 2 wings



Water front development while preserving the view through paddy fields and the canal



FRONT ELEVATION



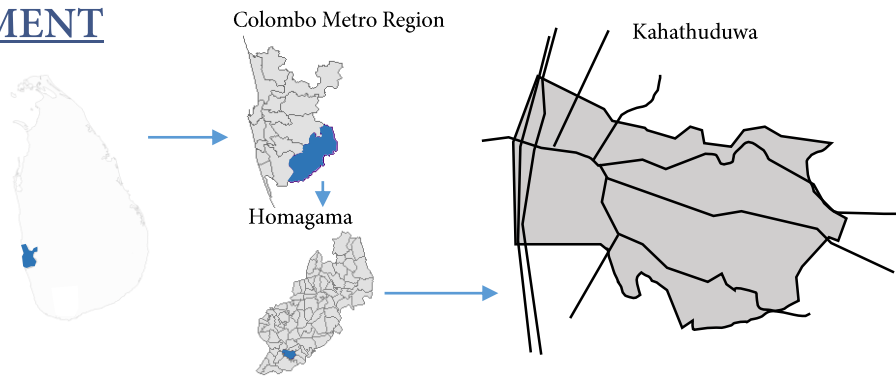
RIGHT SIDE ELEVATION





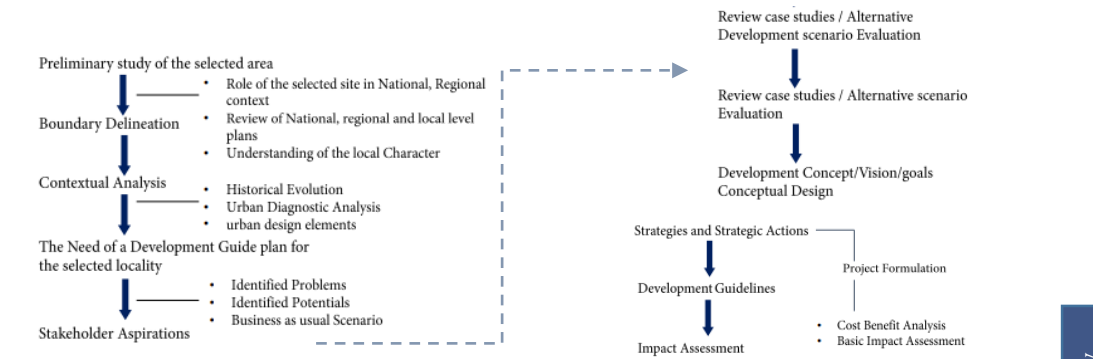
Name: Kethusha Krishnaraja  
Supervisor: Dr. SR Rathnayake  
Email: kethusha1996@gmail.com  
Index No: 172349H

COMMERCIAL + RECREATIONAL MIX DEVELOPMENT



Summary of Site Planning

**Introduction:** The individual site plan for the kahathuduwa locality has prepared under the site planning and design studio module. Initially, Development plan for the Homagama has been prepared with the vision of “Most Livable Vigorous Domicile of West by 2040”. It has aimed to provide the Pleasant “Home” for all to stay safe and comfortably while ensuring the uniqueness of urban rural characteristics that enhance the quality of life of people and Strengthen community with integrated technology and vibrant resource. Then the kahathuduwa site has selected to prepared the Development Guide Plan (DGP). The main stages of this DGP is presented in the below flow.



Commercial + Recreational Mix Development

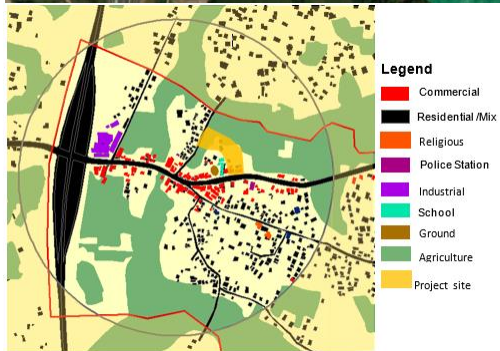
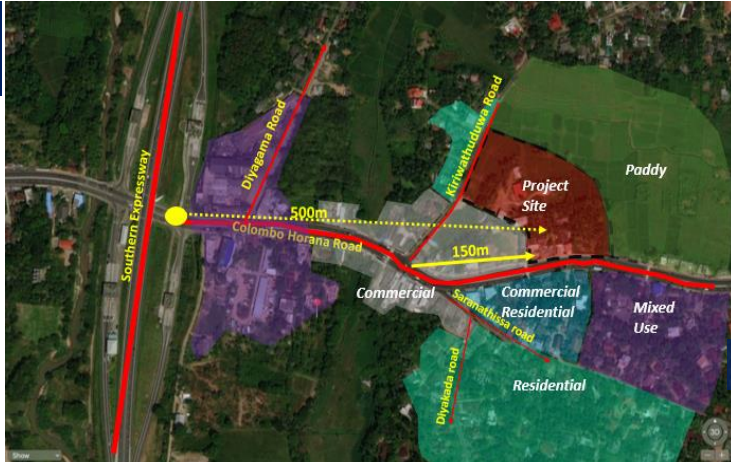
Commercial+ Recreational Mix development has selected for the kahathuduwa site by focusing the context, Potential, future Demand, Development trend, proposed DGP vision and stakeholder aspirations.

Evaluation of Development Scenarios

Increase the functionality of the city by consider the passing and commuter population
Utilize the land with maximum benefit of activities
Enhance the physical environment of the site by altering the existing lands with visual appearance /Enhance the gateway visually
Create a convenient and accessible center
Provide the safe and public gathering places /spaces

Financial Feasibility	Physical Feasibility	Environmental Feasibility	Socio Economic Assessment
✓	✓	✓	✓
Regulations	Implementation Plan	Work Breakdown	Communication of the Project
✓	✓	✓	✓

1 Commercial - I	Leisure Park	6
2 Agriculture(Paddy)	Walking Tracks with seating facilities	7
3 Commercial + Residential		8
4 Commercial - II	Green garden	9
5 Commercial - III	Resting Place	10
	Cafeteria & Food court	11
	Retail & Commercial Complex	12
Existing Land use		Proposal for the site



Homagama, Western province Sri Lanka

Transport Linkages

- B84 – Horana - Colombo Road
- Kahathuduwa Interchange E01 – Southern Expressway
- Beginning point of E06 – Ruwanpura

Located 9.6 km away from the Homagama town

28.4 Km away from Colombo

Administrative Boundary – Homagama Peradeshiya Sabha (UDA declared urban area)

Project Location

The selected site for the project proposal is located 150m from the kahathuduwa city center along the Colombo Horana road. The total 1.3 Ha land has selected for the project proposal.

Commercial activities spread along the Colombo Horana road and site reflects with the urban and rural mix with the presence of paddy land. The city center is functioning as the main node by providing services to the people. City further functions with the commuter population and the passing population along the Colombo – Horana road. Kahathuduwa interchange is another potential to the city to catering many populations with nearby surrounding.

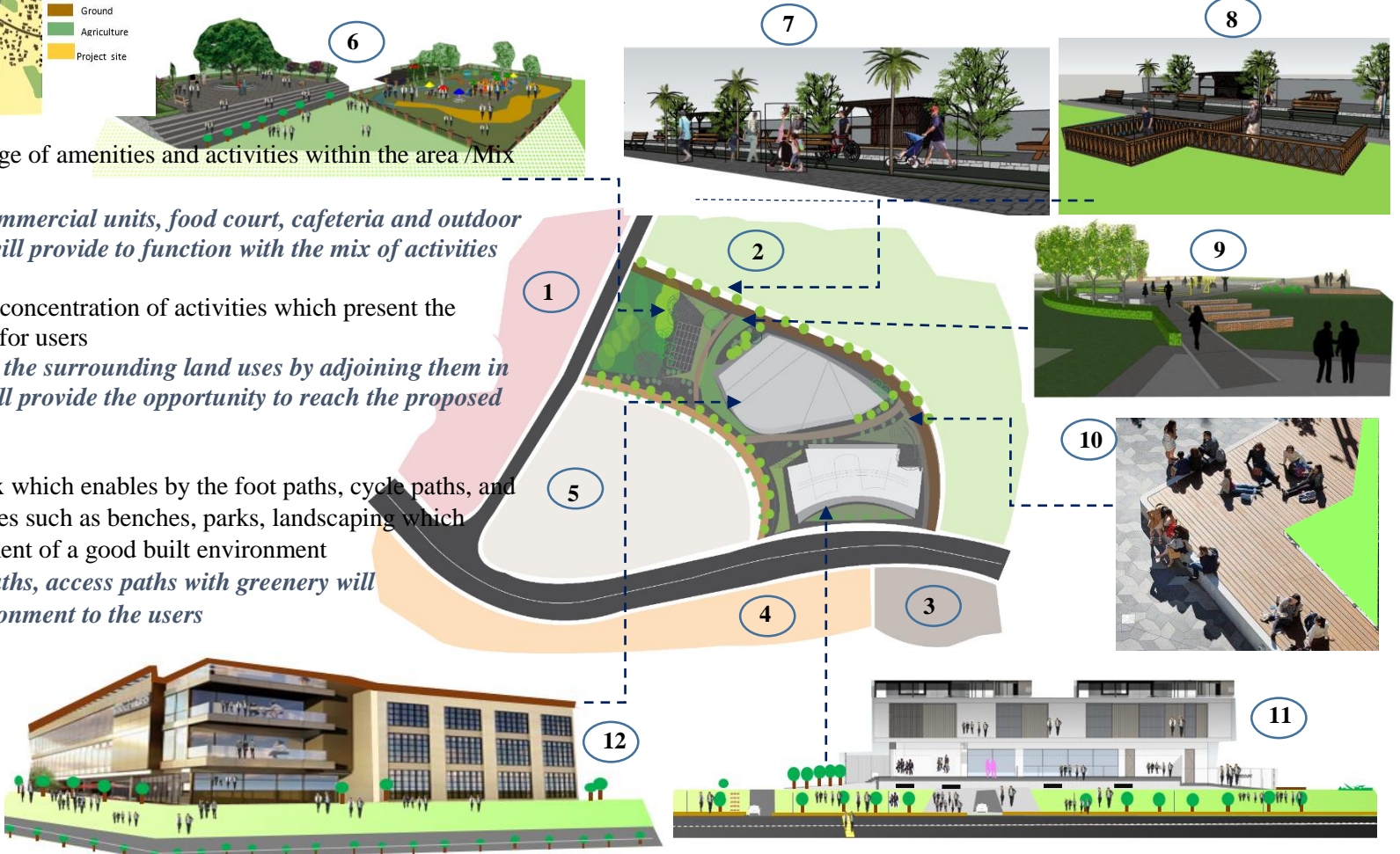
Diversity  
Density  
Design

Availability of wide range of amenities and activities within the area /Mix of different uses

*Retail super market, commercial units, food court, cafeteria and outdoor recreational activities will provide to function with the mix of activities*

Integration of land uses concentration of activities which present the variety of opportunities for users  
*Maximum benefit from the surrounding land uses by adjoining them in to this project site. It will provide the opportunity to reach the proposed site*

Articulated land use mix which enables by the foot paths, cycle paths, and street lights and amenities such as benches, parks, landscaping which contribute the development of a good built environment  
*Walking paths, cycle paths, access paths with greenery will Provide desirable environment to the users*





## PAHATHGAMA CITY SERVICE HUB A New Place to Go!



Name: C.H.W Fernando  
 Site Plan: Pahathgama City Service Hub  
 Supervisor: Dr. Emeshi Warusavitharana  
 E-mail address: 152308n@uom.lk  
 Index No: 152308N

### Executive Summery

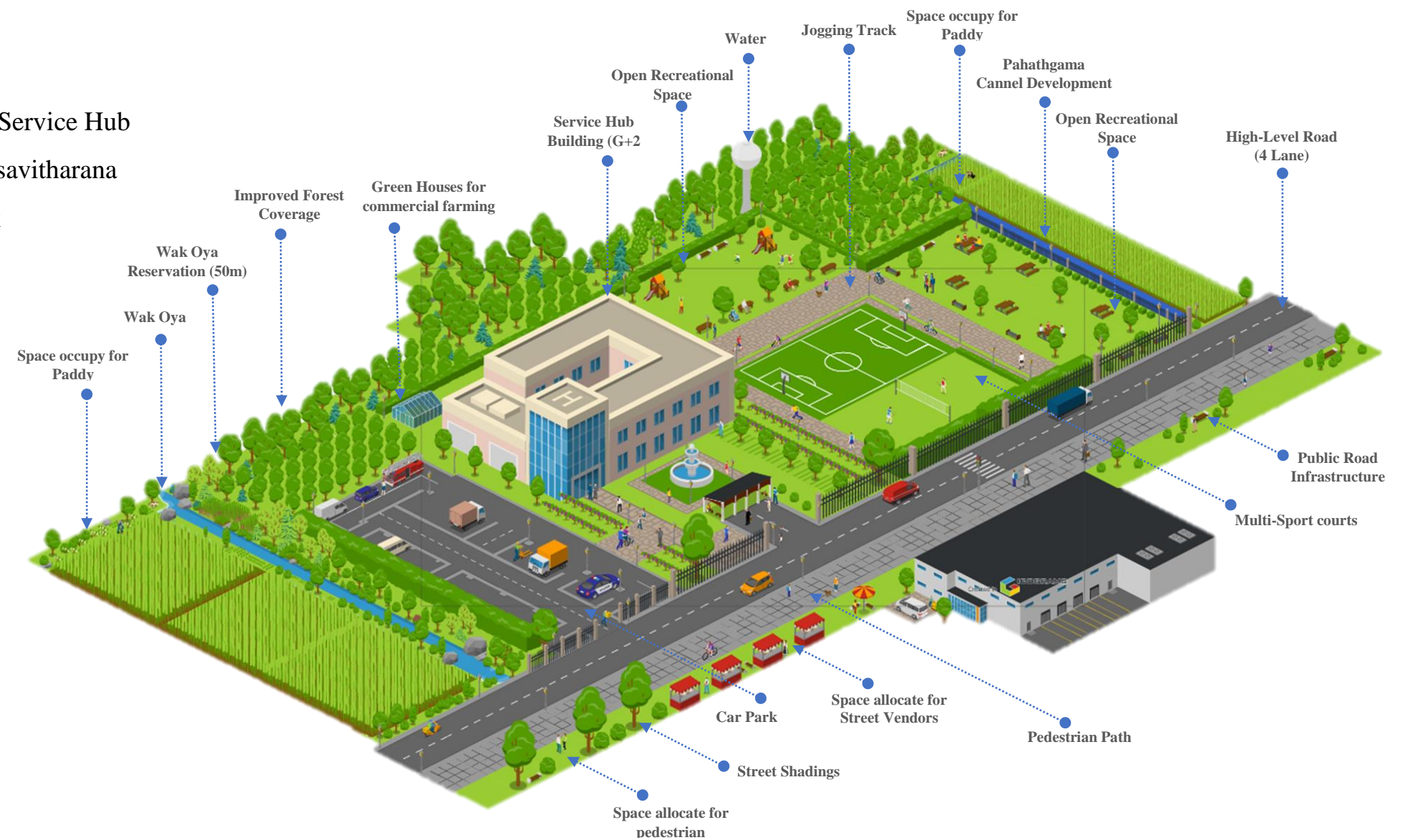
Hanwella is rapidly become urbanized. So, the purpose of this Pahathgama Service Center development is to facilitate the community while reducing the development pressure towards Hanwella Town Center while attract all the facilities to this center.

Pahathgama Junction is supposed to promote as a service Center. High - Level Road & Pahathgama Junction Road interconnect the Pahathgama Town Center with other zones. Though this Service-Hub Development Project Multi-purpose building areas are proposed to develop with natural landscapes for different type of community uses.

Present-day most of the cities, as Service Economy continues its ascent as a major economic sector, citizens are offered a growing number of public and private services to support them in their daily lives. Many services remain virtually unknown and one of the challenges is to make them available, visible and accessible so that users can choose them and assess them.

It is therefore important to envisage new ways to close the gap between citizens and services. Pahathgama Service Hub is to be a new place for the locality to be in, occupy the service and fulfill their day to day required services.

Service Hubs can play a critical role to function as a centralized planning center and service provider to facilitate locality.

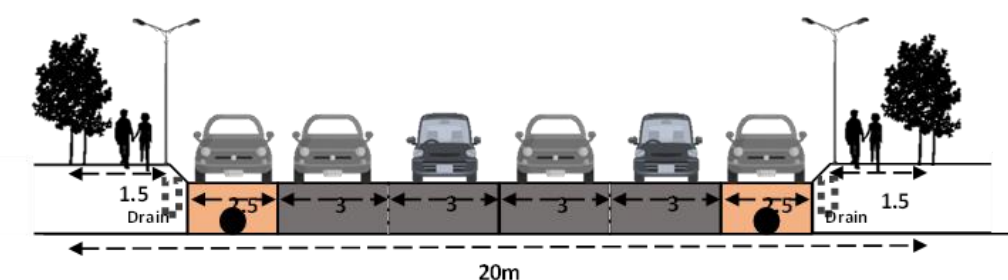


The project is design of spaces for citizen engagement. The Hubs offer an innovative mix of public and private services, focusing on specific areas of need on administrative, food, health, sport, housing, transportation, environment, work, tourism, production, culture, education, family, entertainment and recreational.

High-Level Road Expansion, Pedestrian Path Development, Wak Oya Reservation Improvement, Reforestation and Pahathgama canal Improvement is initiating along with this Pahathgama Service Hub Development Project.

The City Service Hubs are physical spaces made to societal activities of co-design and co-production of services. They are new type of urban localities, unique and scalable, different from traditional retailers, something in between new “shops” and service factories.

### High Level Road Improvement







**Site planning projects – PORTFOLIO – 2017 Batch**