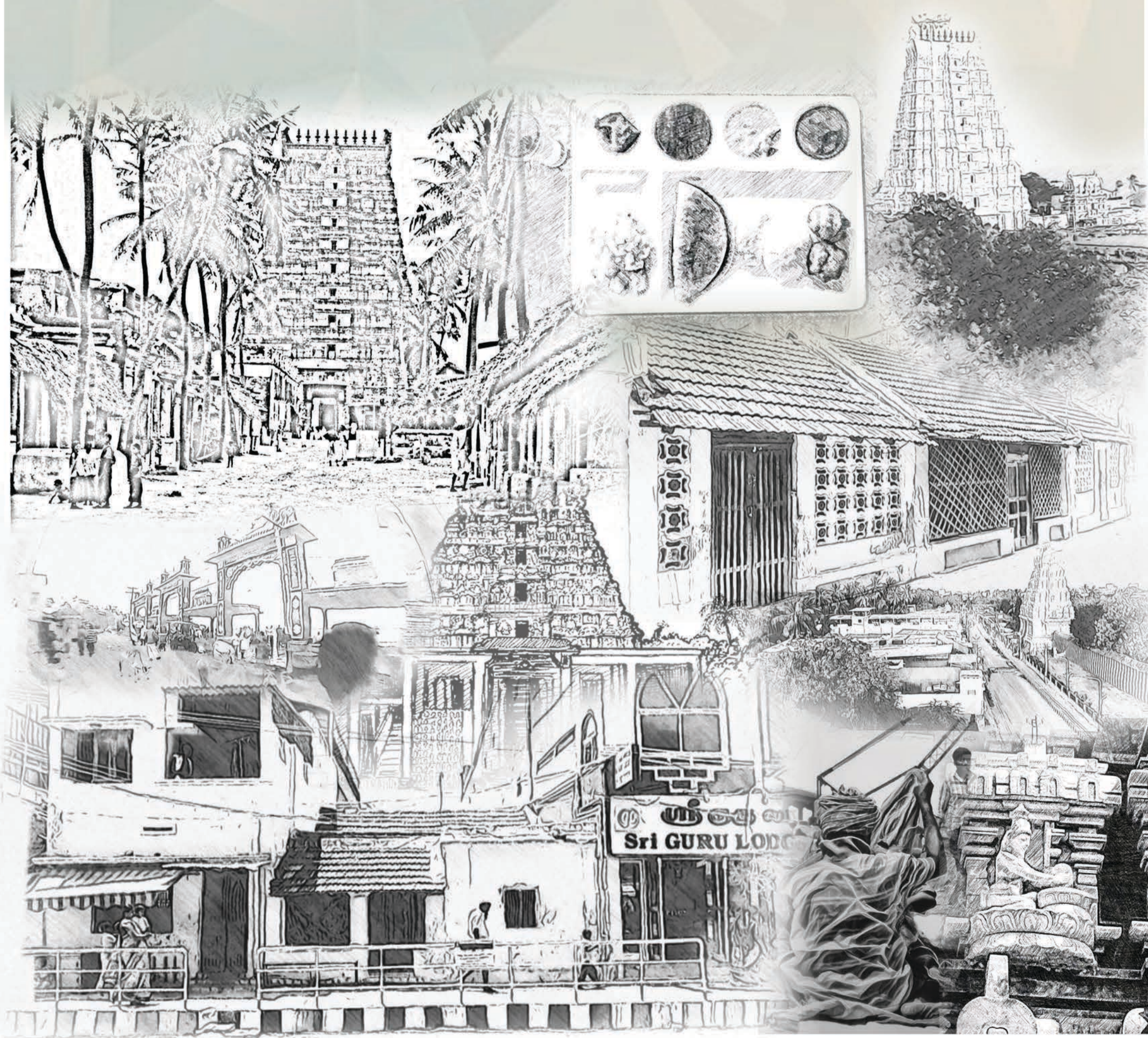




II SEMESTER
M.ARCH UD
BATCH:
2019-2021

RAMESHWARAM

JOURNEYING THE SANDS OF TIME THROUGH STHALA, THEERTHAM AND ALAYA



1) ACKNOWLEDGMENT

2) INTRODUCTION

2.1 - STUDIO TEAM

2.2 - STUDIO METHODOLOGY

2.3 - CHARACTERISTICS OF THE REGION, CITY AND PRECINCT

2.3 .1- BASE MAP

2.3 .2- FIGURE GROUND

2.3. 3- BUILDING HEIGHTS

2.3. 4- BUILDING AGE

2.3 .5- LAND OWNERSHIP

2.3 .6- LAND USE

2.3. 7 - COMMUNITY MAPPING /CULTURAL MARKERS

2.3. 8 - SACRED NETWORK

2.3. 9 - VEGETATION AND TYPES OF OPEN SPACES

2.3.10- TRANSPORTATION NETWORK

2.3.11- PRECINCT DETAIL

3) DOCUMENTATION AND ANALYSIS STUDY :

RAMESHWARAM - Journeying The Sands Of Time Trough Sthala, Theertham And Alaya

3.1 - CULTURE

3.2 - NATURE

3.3 - MYTHOLOGY

3.4 - ECONOMY AND ADMINISTRATION

4) INDIVIDUAL RESEARCH ANALYSIS AND DESIGN INTERVENTION

4.1 - STAKEHOLDER STUDY

4.2 - SACRED PRECINCT STUDY

4.3 - ANALYSIS

4.4 - VISION POSTER AND STRATEGIES

4.5 - DESIGN PROPOSAL



ACKNOWLEDGMENT:

We would like to express our special thanks of gratitude to our faculty Prof. Prasanna Rao , Vagish Naganur ,Prof. Hiranmayi and Kamlesh Pohekar for introducing us to Pilgrimage cities - Rameshwaram and taking us through the journey with great effort, valuable advise and encouragement at every step of the process.

Further, we thank the jurors for their valuable feedback, suggestions and critics during the mid-term and the final review.

We also take this opportunity to thank our Dean Prof. Prasanna Rao and our Principal Dr Om Prakash Bawane and other faculty members at RVCA, Department of PG program, Urban Design for helping us in many ways.

We also thank our classmates for their constant support and their understanding with each other, all through the group work process.

Last but not the least, we would like to express our gratitude to the people of Rameshwaram , for their constant support and valuable feedback about the place.



THE STUDIO TEAM

TUTORS

PROF. PRASANNA RAO

PROF. VAGISH NAGANUR

PROF. KAMLESH POHEKAR

PROF. HIRANMAYI

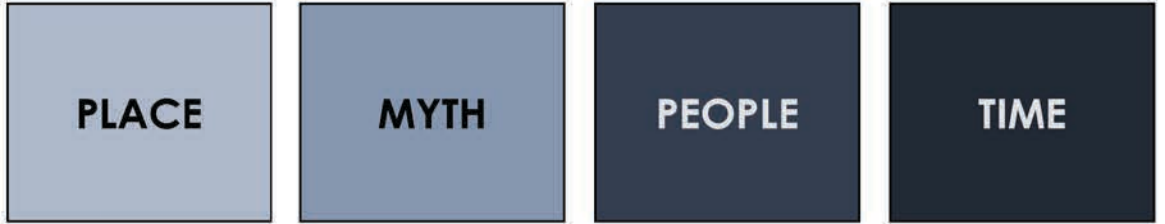
STUDY TEAM

<u>NAME</u>	<u>USN</u>
ABHIRAMI R NAIR	1RW19AUD01
AISHWARYA BHASKAR	1RW19AUD02
ANKITA MOHANTY	1RW19AUD03
ANUSHA M P	1RW19AUD04
ANUSHA S	1RW19AUD05
ASHISH H AGRAWAL	1RW19AUD06
BINDHU SHREE V L	1RW19AUD07
CHAITRA BHEEMASHANKAR AWARAD	1RW19AUD08
DEEPTHI J C	1RW19AUD09
HARSHITHA T S	1RW19AUD10
KRUTIKA M	1RW19AUD11
R V VIJITHENDRA THEJASWI	1RW19AUD12
RAJESHWARI G S	1RW19AUD13
SAHANA N	1RW19AUD15
SHRADDHA M BAGMAR	1RW19AUD16
SREETHU P R	1RW19AUD17
U NIKITHA CHANDRASHEKAR	1RW19AUD18
YASHASWINI S DATH	1RW19AUD19



STUDY ON FAMILY DIETY

FRAMEWORK FOR STUDY



CASE STUDIES:

- YOGANARASIMHA SWAMY, MELKOTE
- PADMANABHASWAMY TEMPLE, TRIVANDRUM
- PARAMAKKAVU BAGAVATHY TEMPLE, THRISSUR
- JAGANNATH, PURI
- THIRUPATHI
- ALKAOURA, GAURIBIDANUR
- DEVARAGUDA, RANIBENURU
- KATTE BASAWESHWARA - YENTTIN BHUDAL, BELLARY
- NARI SEMRI - NAV GAON
- RAVALESHWARA AND KONANA MAARIAMMAN TEMPLE - MANDYA
- AMBA BHAVANI - TULJAPUR
- KATTE BASAWESHWARA - YENTTIN BHUDAL, BELLARY
- CHELUVARAYA SWAMI TEMPLE, MELUKOTE
- VEERBHADRA SWAMY
- PARADEVADA-NAIR FAMILY GOD, CALICUT

PLACE

VISHWAKARMA CARPENTRY COMMUNITY - PARAMAKKAVU DEVI TEMPLE

MYTH

VISHWAKARMA CARPENTRY COMMUNITY - PARAMAKKAVU DEVI TEMPLE

PEOPLE

VISHWAKARMA CARPENTRY COMMUNITY - PARAMAKKAVU DEVI TEMPLE

EVENTS

VISHWAKARMA CARPENTRY COMMUNITY - PARAMAKKAVU DEVI TEMPLE



LITERATURE STUDY OF PILGRIMAGE CITY

FRAMEWORK FOR STUDY



CASE STUDIES:

- MADURAI
- SRIRANGAPATNA
- RAMESHWARAM
- PURI
- VARANASI
- JAIPUR
- TANJORE
- JERUSALEM
- SHRAVANABELGOLA
- CHITRAKUT
- CHIDAMBARAM
- COORG - TALAKAVERI
- PALITANA
- UJJAIN
- KANCHIVARAM
- PRAYAG
- SRIRANGAM
- NASHIK

SETTLEMENT/PEOPLE

MADURAI... BIRTH OF THE CITY

CONCEPTUAL PRASTARA PLAN

PILGRIM CITY JAIPUR

THAJAJYUR - TEMPLE CITY

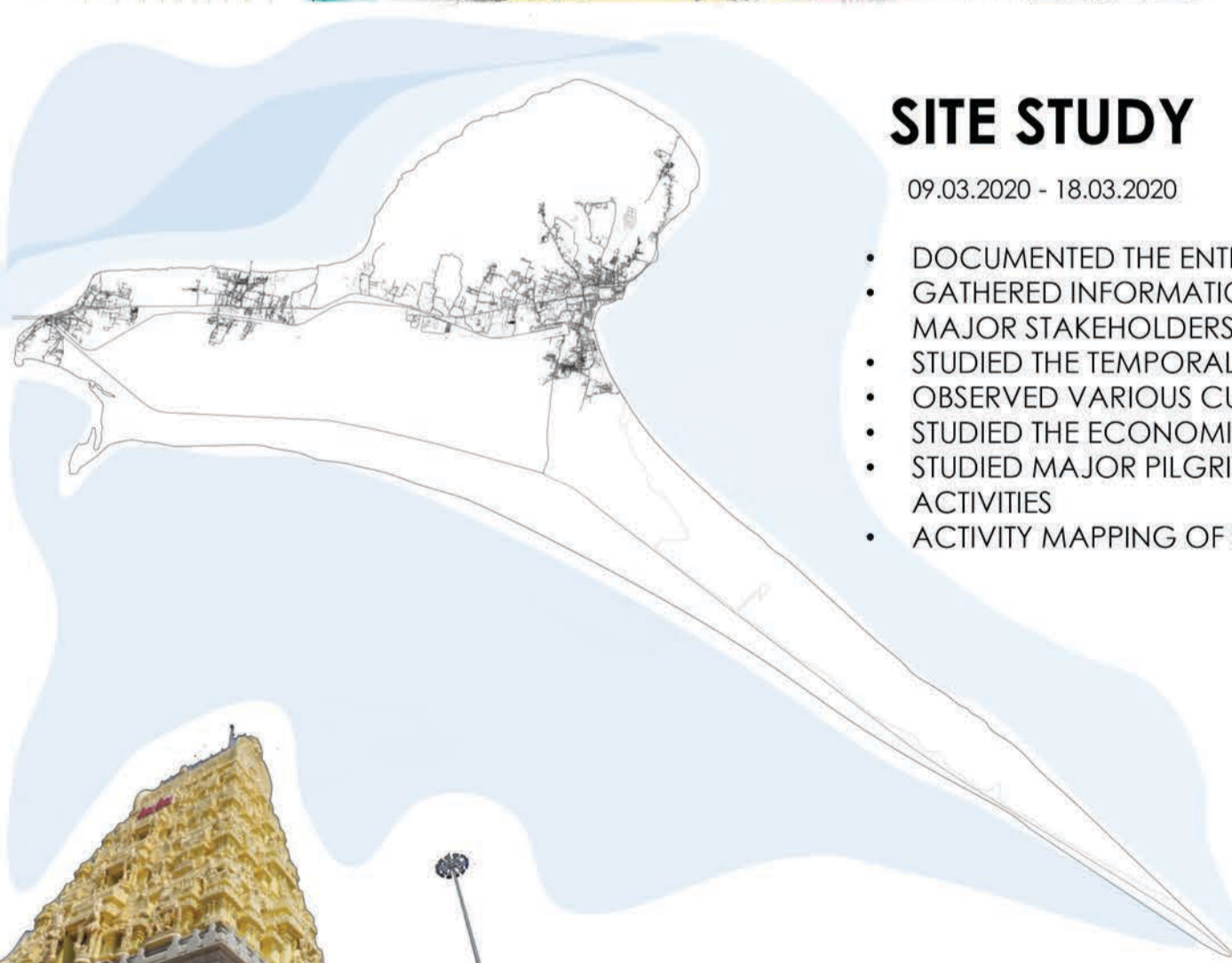
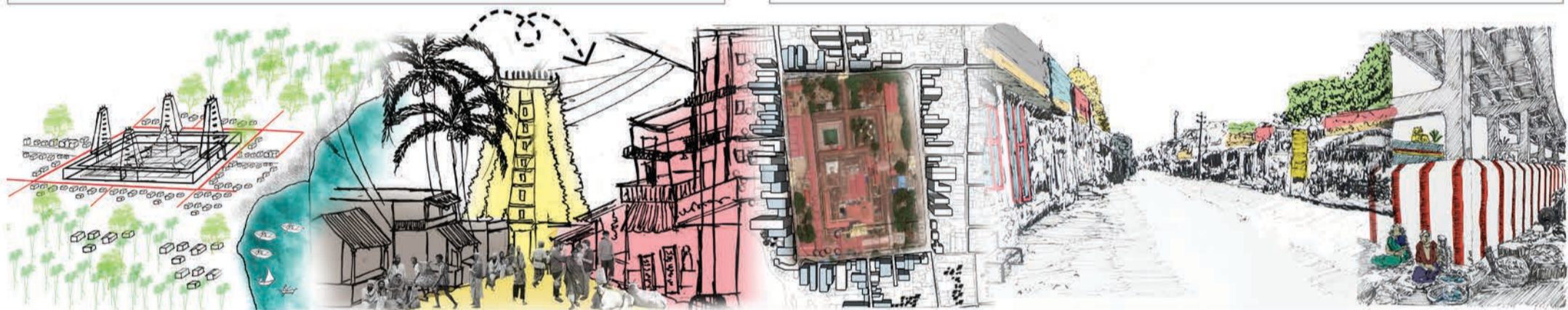
THAJAJYUR - TEMPLE CITY



FORMATION OF INDIVIDUAL URBAN DESIGN INQUIRY AND STUDY GROUPS

Student Name	Group	Individual Questions	Keywords
ABHIRAMI R NAIR	CULTURE	Exploring the evolution of the community and how the natural features influence the community in their cultural practices and occupation in Rameshwaram?	Communities, Occupation, Tradition, Cultural Practices, Natural Features
ANUSHA M P		How has the religious institutions like mutts and chatrams been impacting the urban space and overall city pattern? (the inter relationship between religious institutions, communities and the urban space)	Mutts, Aalayas, Institutions
ANUSHA SUJITH		How the social structure of the city spread spatially? (their differences and negotiations in order to co exist)	Social hierarchy, Negotiable spaces
KRUTIKA M		How is the hybridity of the streets brought out by Culture (Pilgrimage) and Economy (Tourism)?	Nature of Transformation, Pilgrimage, Tourism
RAJESHWARI G S		How does the city adapt itself to seasonality of Pilgrimage, shaped by the spatial arrangements for the festivals/ events which impact the resulting urban transformations at the local scale during festivals?	Seasonality, Festivals
YASHASWINI S DATH		Evolution and characteristics of different plumage paths. How is Rameshwaram accommodating the different pilgrimage paths it's rituals, myths, and belief systems.	Pilgrim Path, Religious Belief
AISHWARYA BHASKAR	NATURE	How does the pilgrimage site experience the influx of pilgrims and urban infrastructure overtaking the natural elements?	Place making, Pilgrimage site, Urban Pattern, Infrastructure, Natural settings
HARSHITHA T S		How the sacred activities around natural elements has changed the urban space through time?	Natural elements, Sacredness, Belief system, Sacred activities
VIJITHENDRA TEJASWINI		Exploring the influence of geography on shaping religious beliefs and marking holy territories.	Swayambhu, Shakti, Genius, Loci

Student Name	Group	Individual Questions	Keywords
ASHISH H AGARWAL	MYTH	Is there a sacred space within the island or is the entire island considered sacred ?	Respect, Restriction, sacred landscape
CHAITRA AWARAD		How has the Kinesthetic experience of the Pilgrimage city transformed?	Kinesthetic Experience
DEEPTHI J C		Exploring if the intangible heritage is influencing the tangible attributes of the place.	Inangible, Traditions, Language, Myth
U NIKITHA		Exploring the impact of urban form through cosmic geometry.	Elements of Urban Form, Evolution/growth, settlement patterns, Cosmic geometry
ANKITA MOHANTY	ECONOMY, INFRASTRUCTURE & ADMINISTRATION	How does the character of the Pilgrim city of Rameshwaram respond to the influx of tourist population?	Tourism, Infrastructure, Migration
BINDHU SHREE V L		How pilgrimage as an activity triggers the spatial pattern of urban built-up in Rameshwaram?	Infrastructure, Urban form, City transformation.
SAHANA N		How infrastructure and economical forces weave their network with pilgrimage?	Economy, Infrastructure, Settlements
SHRADDHA M BAGMAR		What is the impact of informal Sector on the economy of the place?	Informal Economy
SREETHU P R		How the city transforms to contain the changing pilgrimage trends? How the change in urban form due to pilgrimage effects the sacredness of the place?	Pilgrimage, Floating population, Urban form, Visual intrusion, Sacredness, Migration, Commercialization.



SITE STUDY

09.03.2020 - 18.03.2020

- DOCUMENTED THE ENTIRE ISLAND
- GATHERED INFORMATION FROM DIFFERENT SOURCES AND INTERVIEWD MAJOR STAKEHOLDERS
- STUDIED THE TEMPORALITY OF THE PLACE
- OBSERVED VARIOUS CULTURAL AND LIVELIHOOD ACTIVITIES
- STUDIED THE ECONOMIC NETWORKS AND ADMINISTRATIVE STRUCTURE
- STUDIED MAJOR PILGRIMAGE AND NON-PILGRIMAGE TOURISM RELATED ACTIVITIES
- ACTIVITY MAPPING OF STAKEHOLDER



DOCUMENTATION AND ANALYSIS

MYTHOLOGY AND COSMIC ORDER

- myth associated with the Island and scared water.
- Importance of Cosmic geometry in the Urban form of the place.
- Analysing the aspects like cardinal direction, Vastu Purusha mandala in the City's urban fabric.
- Understanding the rituals and practices.

NATURE

- analysed topography, hydrology and vegetation aspects.
- focuses on the different landforms (geomorphological features) and soil type of Island and how people are associated with it for their livelihood.
- The changes undergone in Island due to the external natural forces.

SOCIO-CULTURE

- Focused on the various people of different places and varied religious groups, rulers and kingdoms from different eras.
- studied religion, caste, food, built structures, settlement patterns, clothing various community activities and festivals.

ECONOMY AND ADMINISTRATION

- Analysed the economic development and administrative control over the place.
- studied the influence of pilgrimage and non-pilgrimage tourism.
- studied both nature and pilgrimage related economic activities.
- analysed the growth and influence of transportation networks.



INDIVIDUAL DESIGN INTERVENTION

- Design intervention

The justification for the project



Detailed design program with references and case studies.

Vision poster, structure plan with vision, objectives and implementation strategies.



Site evaluation, social issues, and the sacred layer.
Site development, services and inter-connectivity.



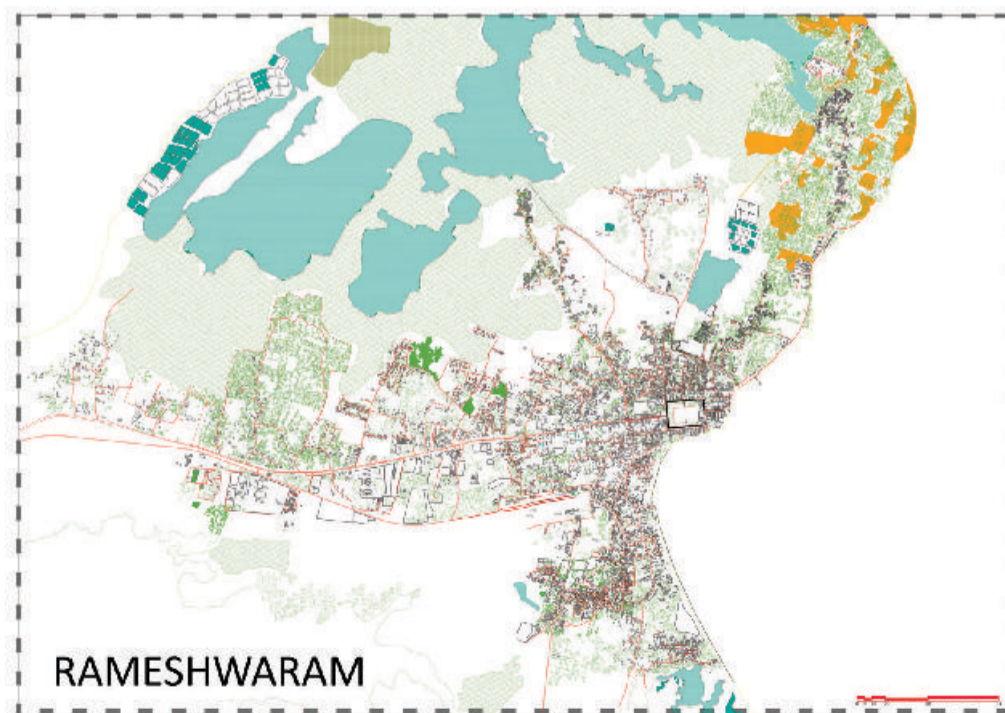
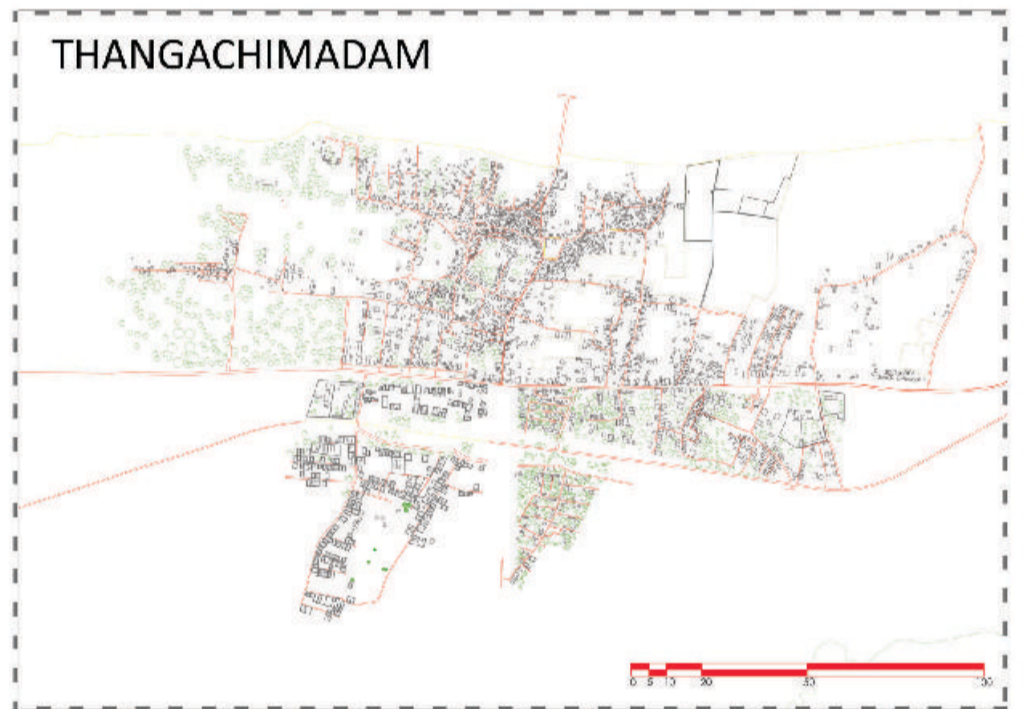
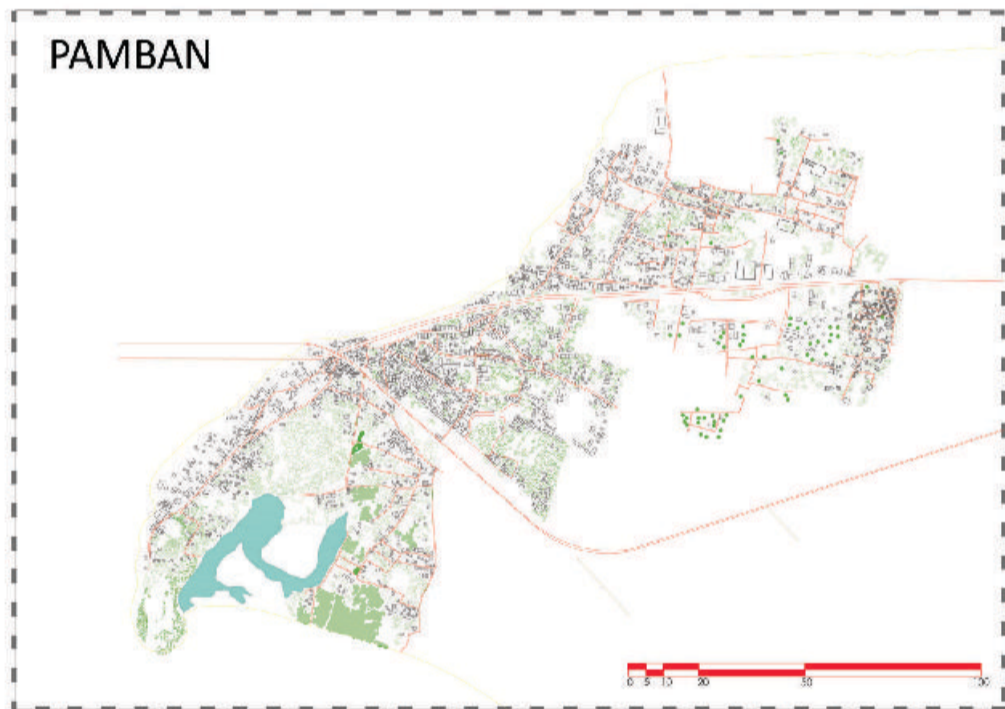
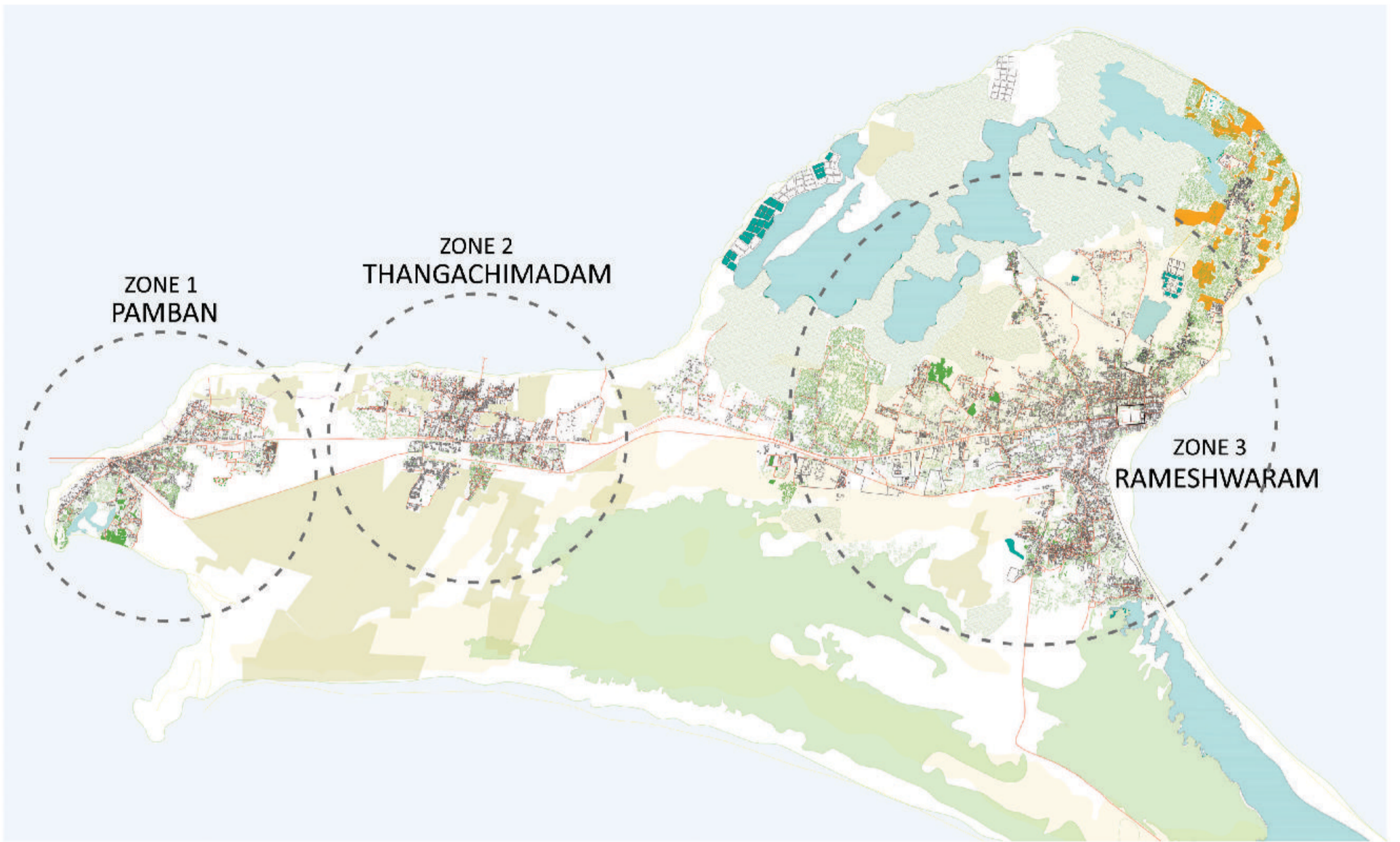
Urban form and design recommendations.
Guidelines/policies/bye-laws that inform design.

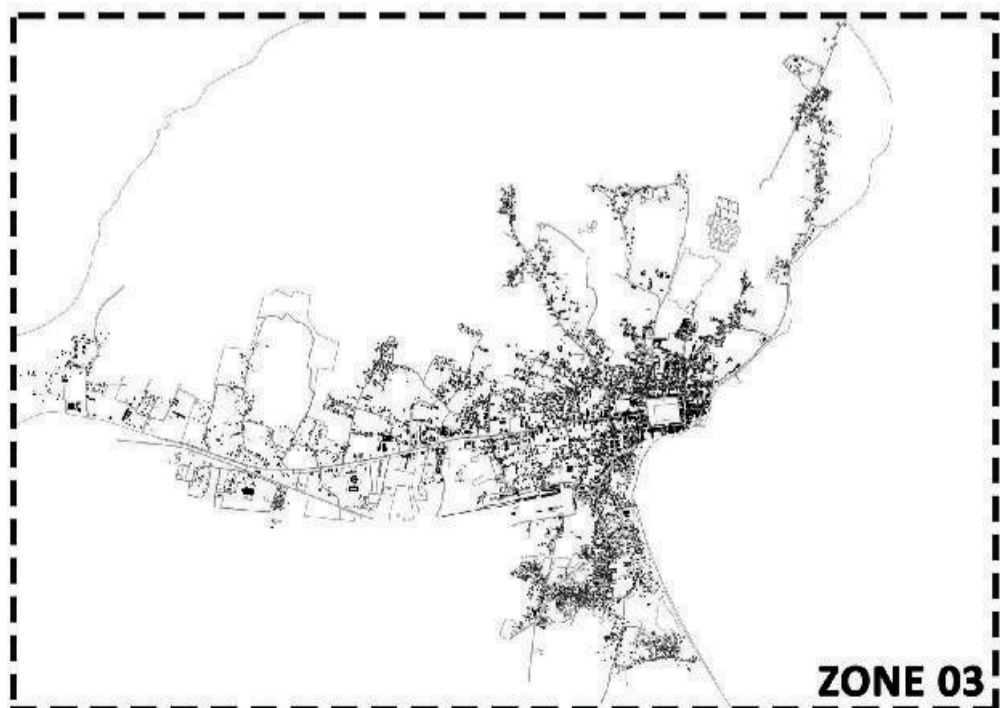
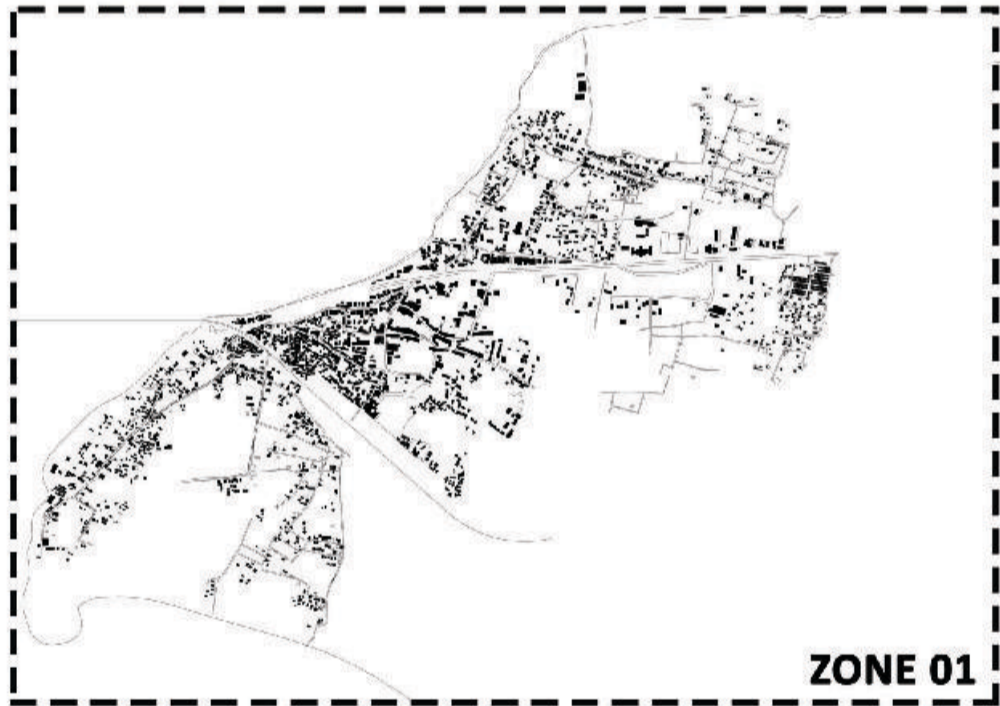
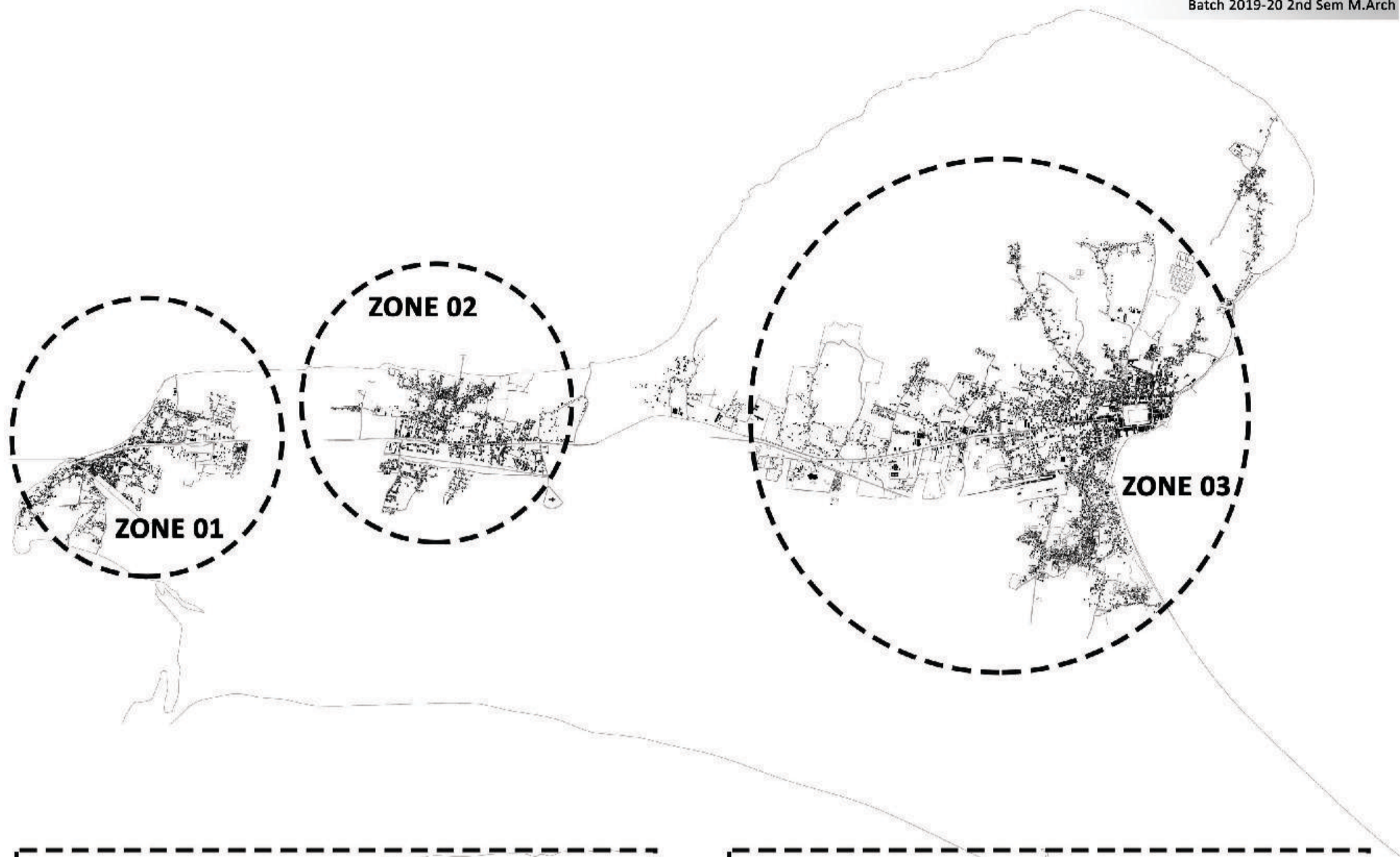


Assessment of the proposal's impact.

- Stakeholder study
- Sacred precinct study







INFERENCE

INFERENCE:
BUILT FORM DENSITY AROUND AROUND THE TEMPLE COMPLEX IS MORE WHEN COMPARED TO AWAY FROM THE TEMPLE COMPLEX.

SINCE THE CITY HAS GROWN EVENTUALLY, WE SEE TRADITIONAL BUILDING TYPOLOGY AND ARCHITECTURAL CHARACTER AROUND THE TEMPLE COMPLEX(LONG AND LINEAR ,SHARED WALLS).

EVIDENTLY SEEN BUILT SPREAD ALONG THE THREE MAIN ROADS.

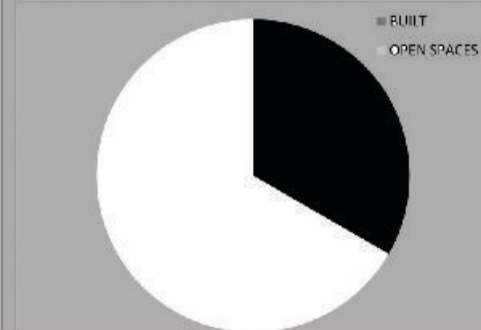
ALONG THE SEA SHORE THERE'S MORE OPEN SPACE WHICH IS BEING USED FOR FISHING RELATED ACTIVITIES.

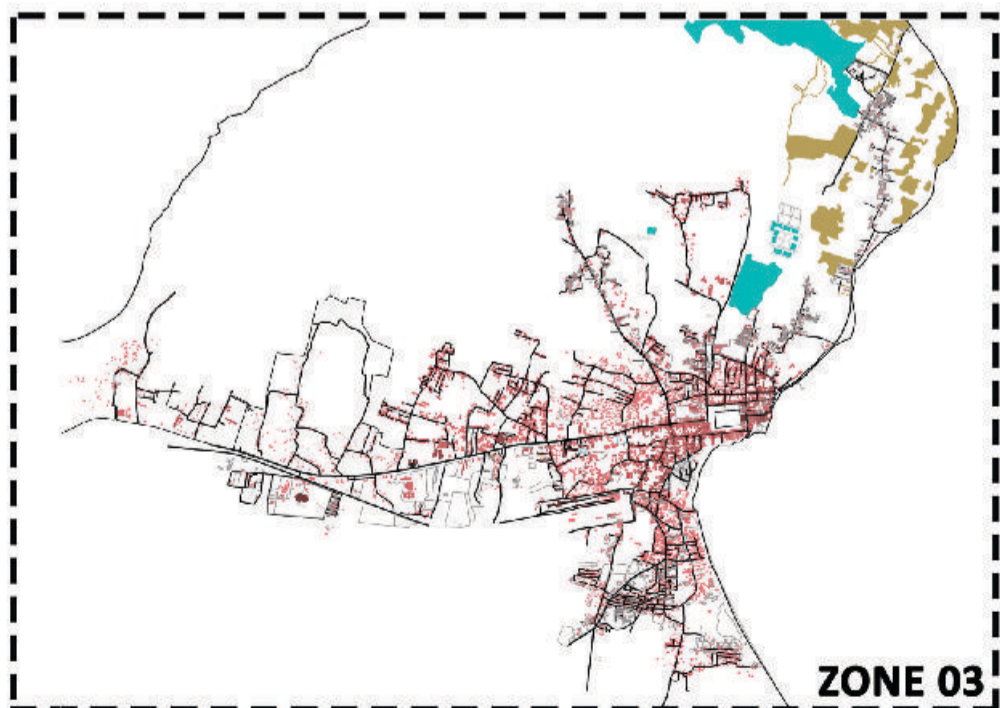
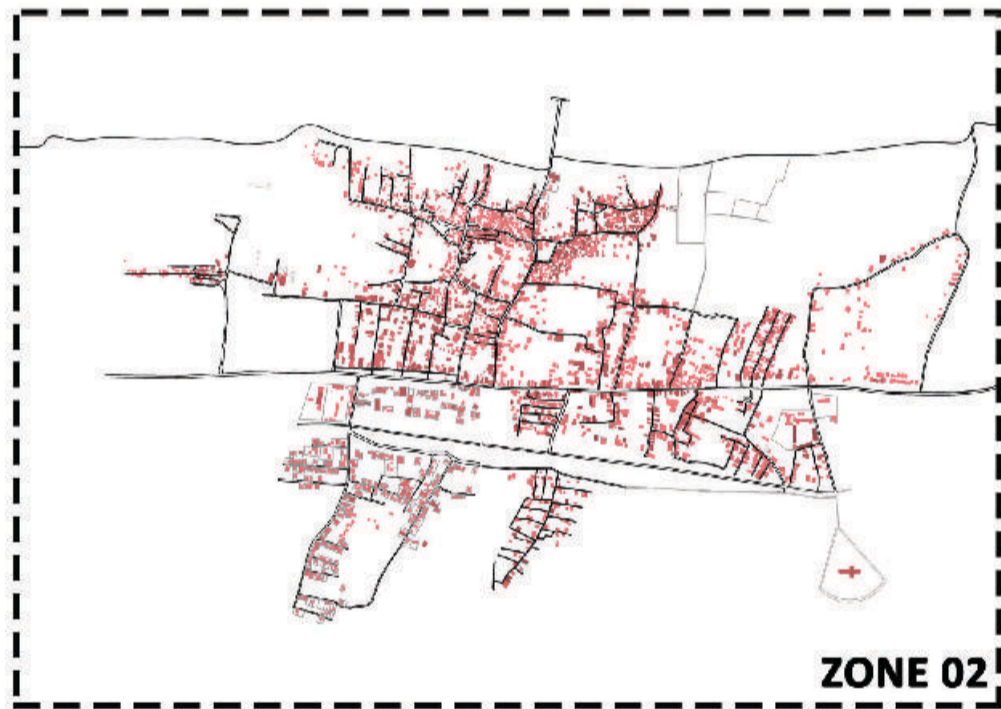
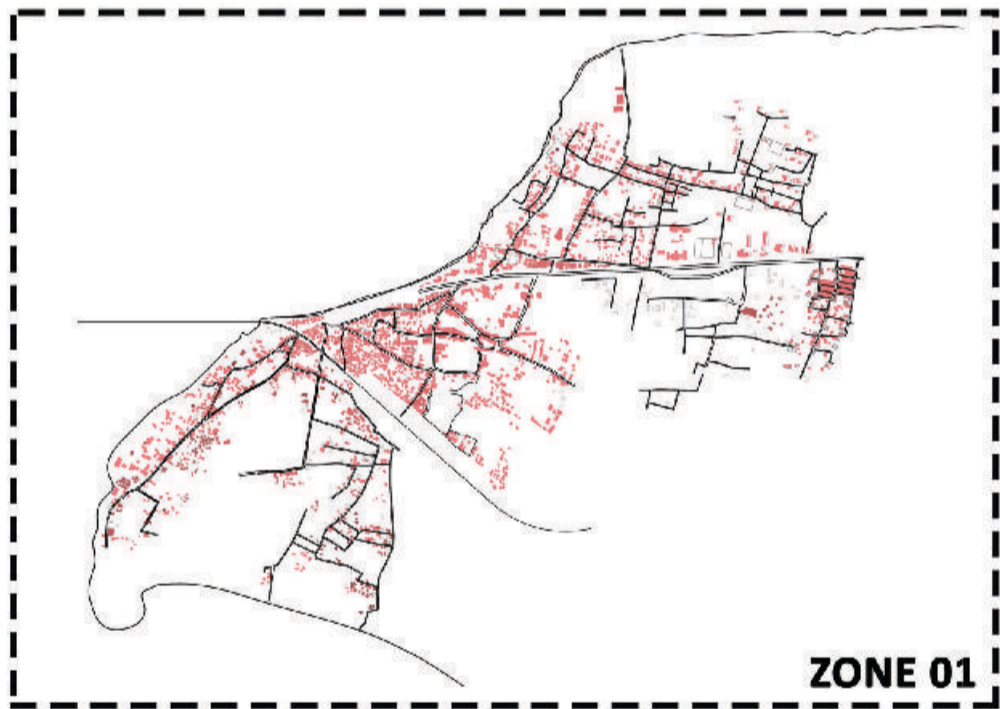
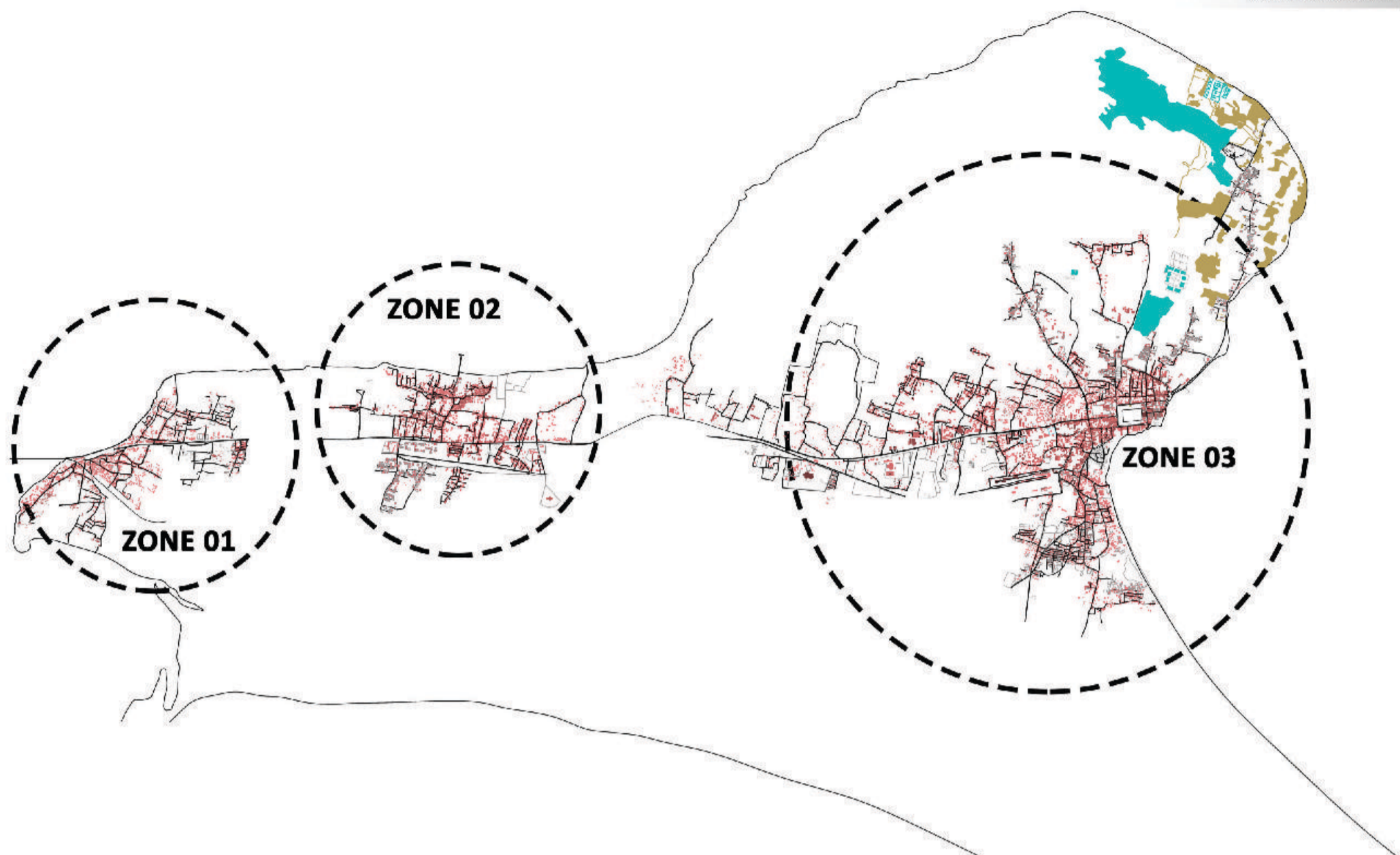
OPEN AREAS WITHIN THE CITY ARE MORE LIKE THEERTHAS, BACKYARD TREES GROWING AREA, SACRED GROVES.

LEGEND :

- BUILT
- OPEN

PIE CHART :





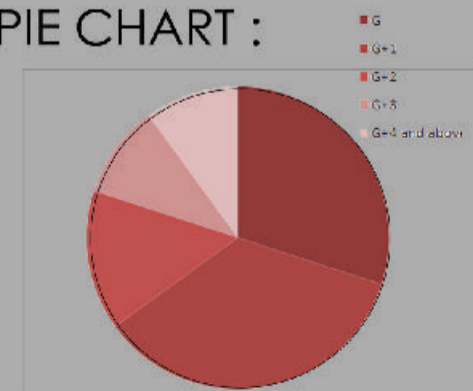
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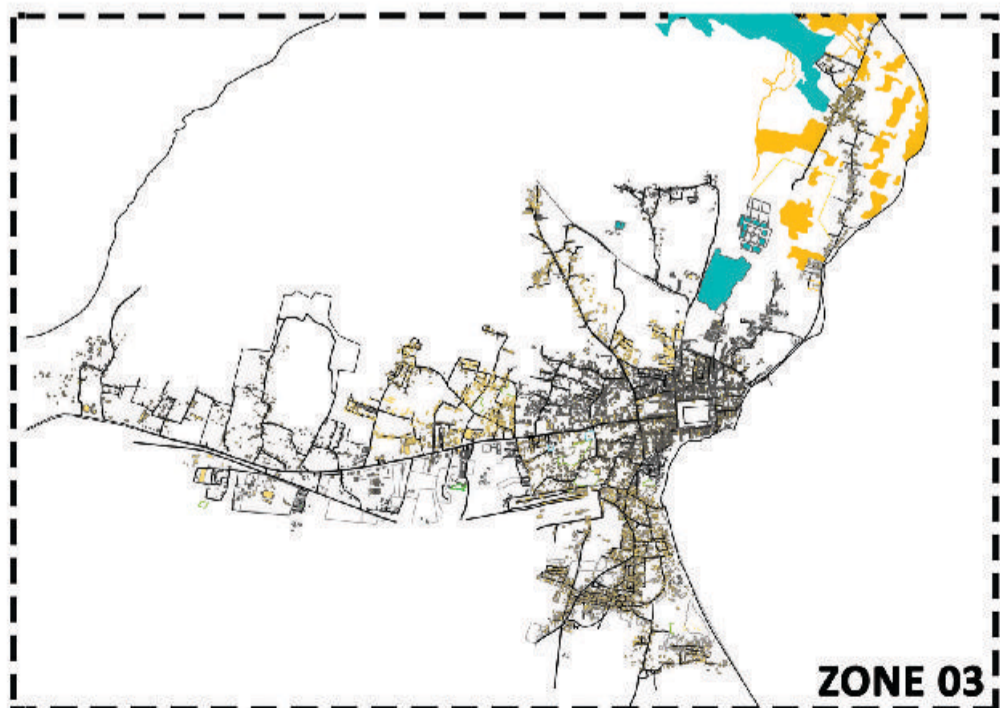
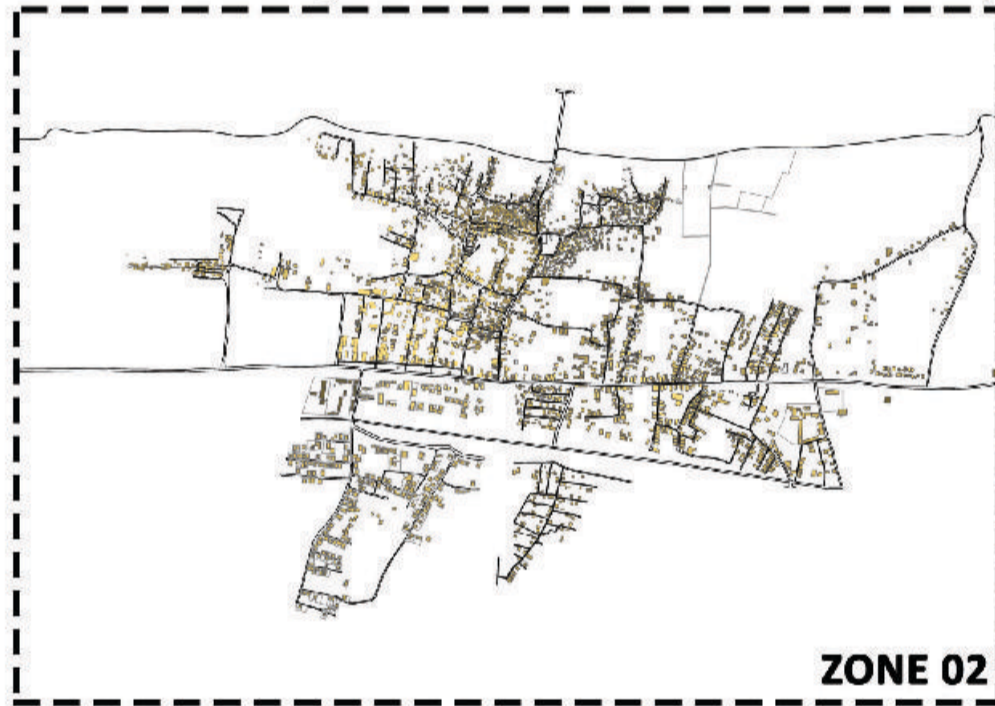
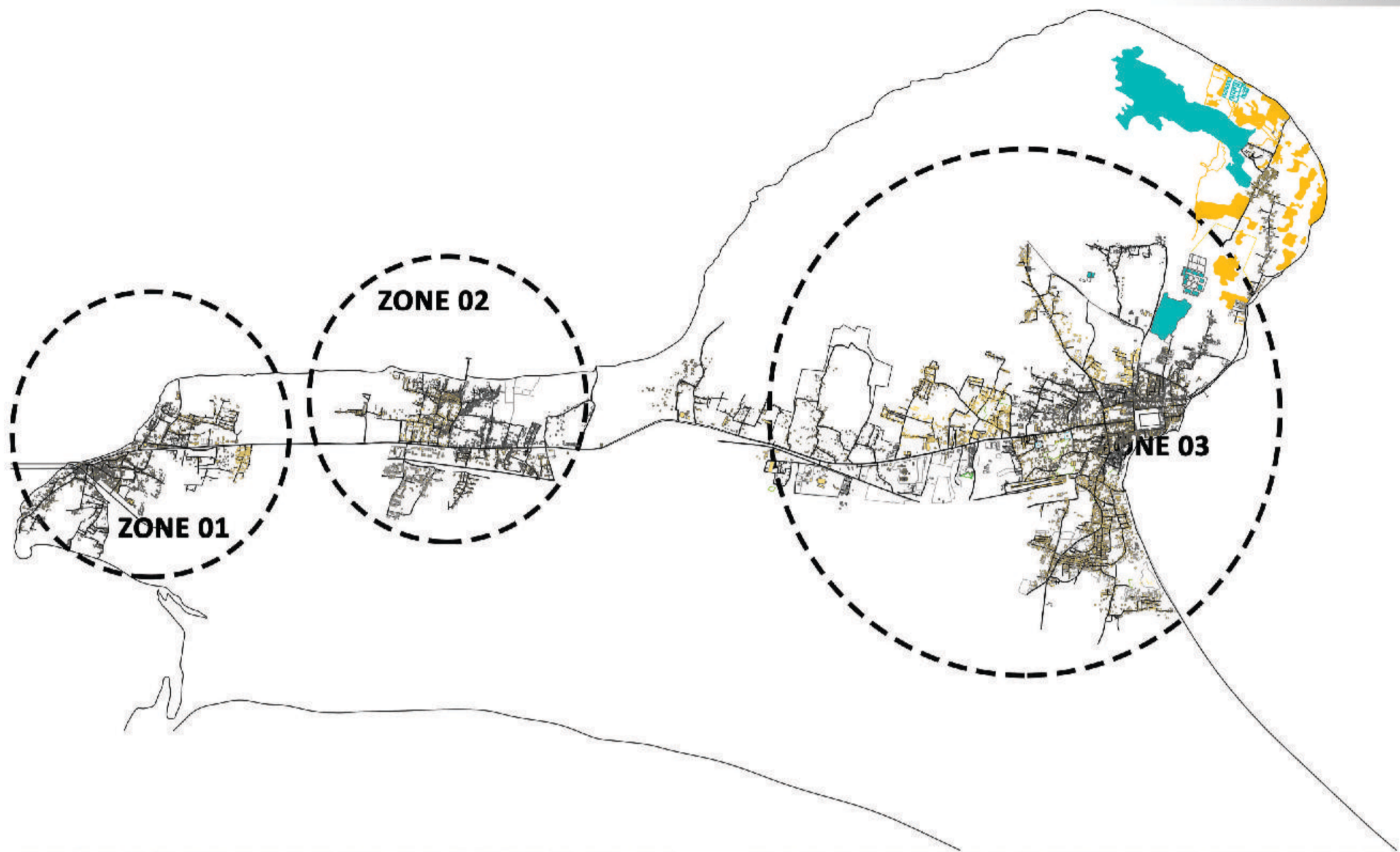
THERE ARE DENSE AND HIGHER BUILDINGS NEAR THE TEMPLE PRECINCT AND THE PAMBAN AREAS BOTH THESE AREAS ACT AS A COMMERCIAL HOT SPOT AND THE HIGHER NUMBER OF TALL BUILDINGS IN PAMBAN AREA ARE COMMERCIAL WHILE NEAR TANGACHI MADAM IT'S SCHOOL AND CHURCHES AND IN THE TEMPLE PRECINCT IT'S THE LODGES HOTELS AND CHATRAMS THAT DOMINATE THE HEIGHTS IN THE SACRED ISLAND WHILE THE TALLEST BEING THE EAST GOPURAM OF THE RAMANATHASWAMI TEMPLE.

LEGEND :

- G
- G+1
- G+2
- G+3
- G+4 and above

PIE CHART :





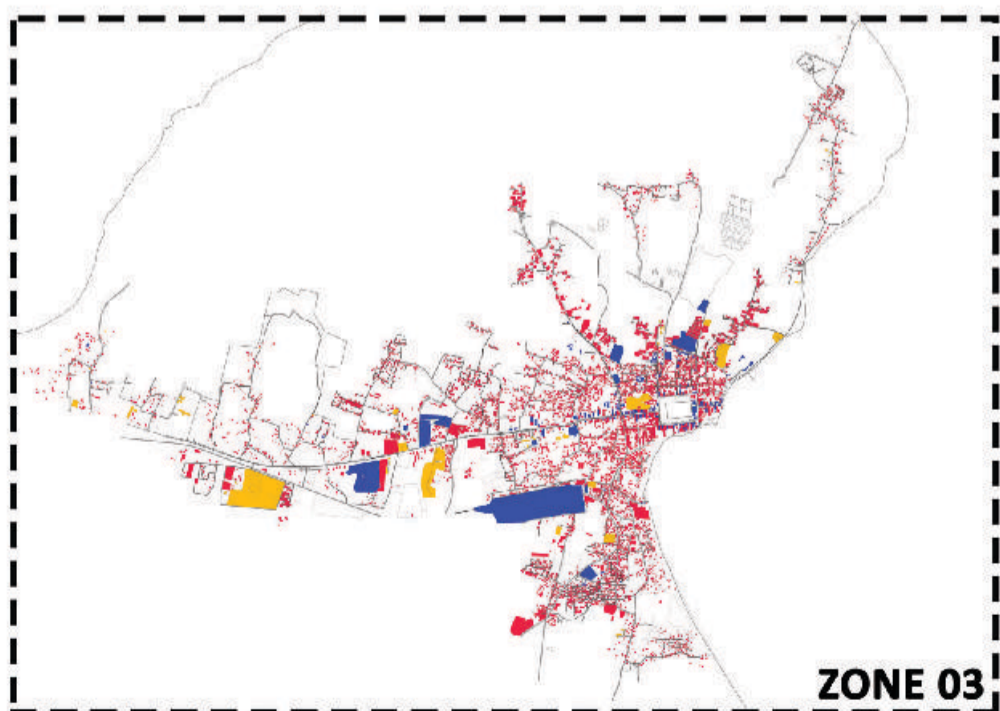
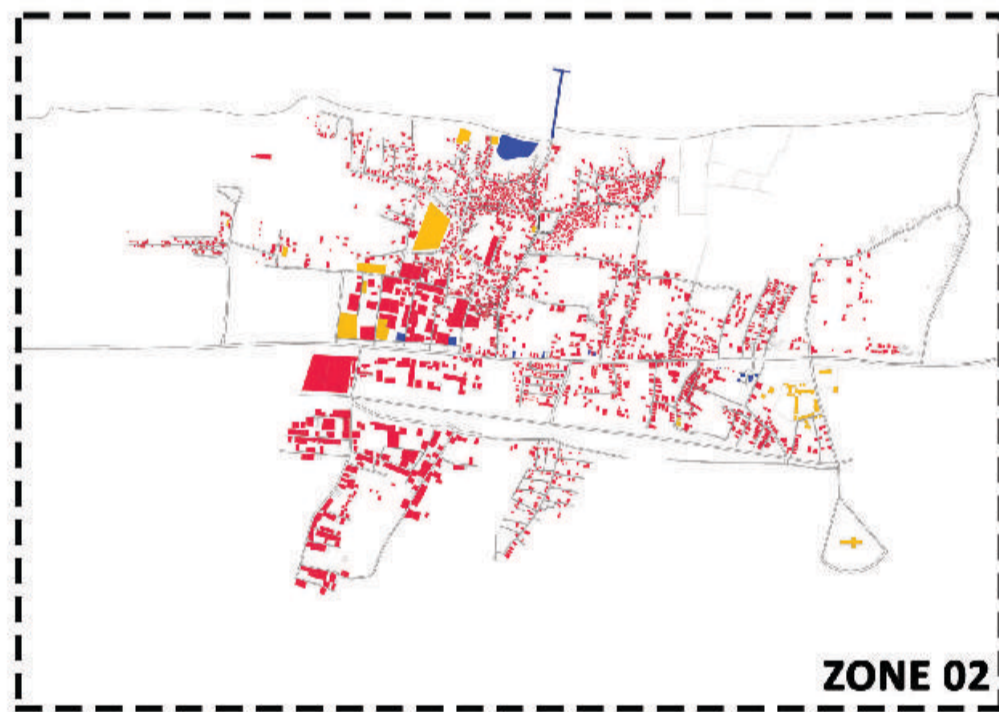
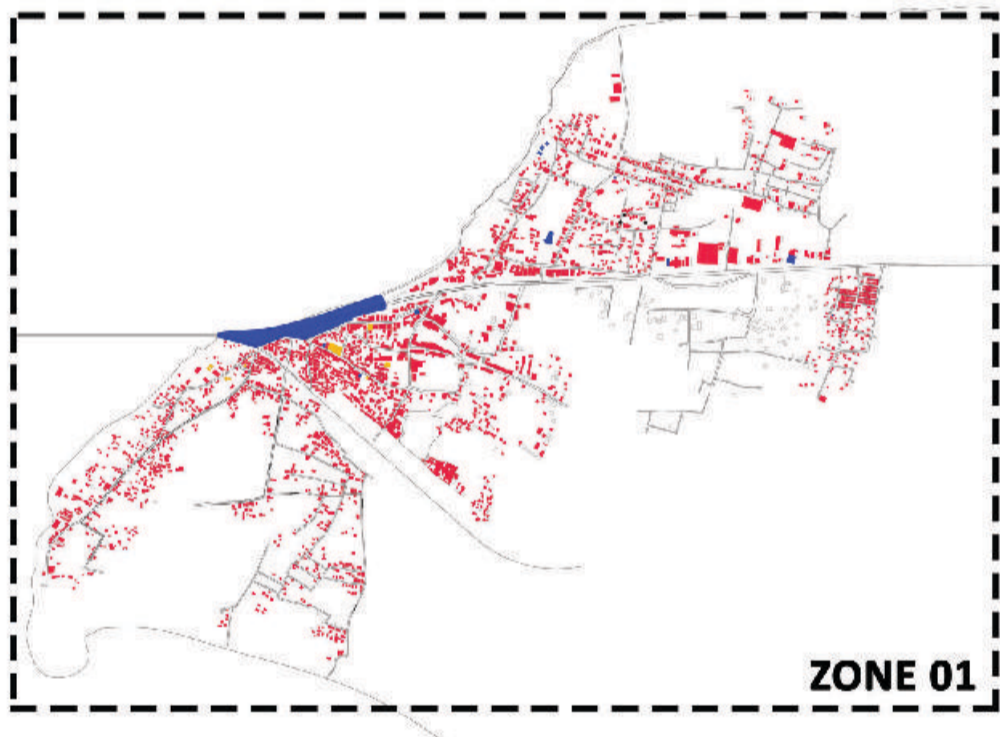
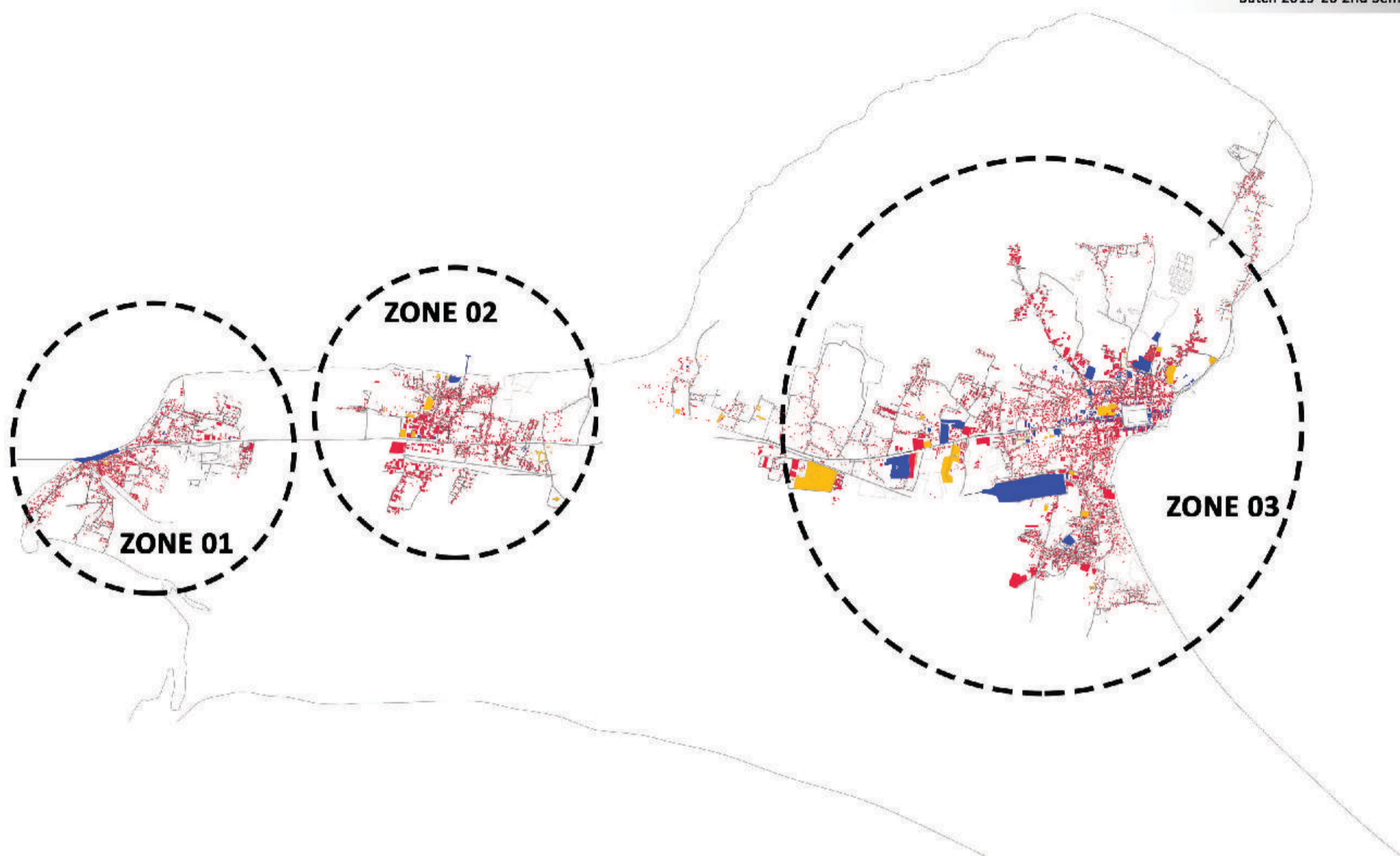
INFERENCE

IT CAN BE NOTED THAT MOST OF THE OLDEST BUILDINGS ARE SITUATED NEAR AND AROUND THE TEMPLE PRECINCT. THEY ARE MOSTLY THE MUTTS AND BRAHMIN HOUSES, ONCE PART OF THE AGRAHARA SYSTEM. THERE ARE SOME OLDER CULTURAL MARKERS IN THANGATCHIMADAM AND PAMBAN. SOME OF THE OLDER TYPOLOGIES STILL EXIST THERE TOO. THE NEWER BUILDINGS ARE SITUATED ALONG THE MAIN ROADS. THE OLDER BUILDINGS ARE LOCATED IN THE INNER PRECINCTS.

LEGEND :

0 - 10	> 100
11 - 20	
21 - 50	
51 - 100	

PIE CHART :



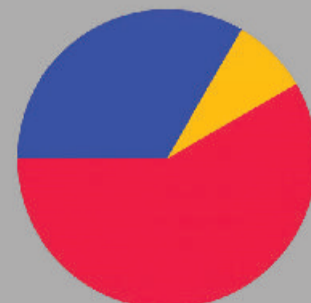
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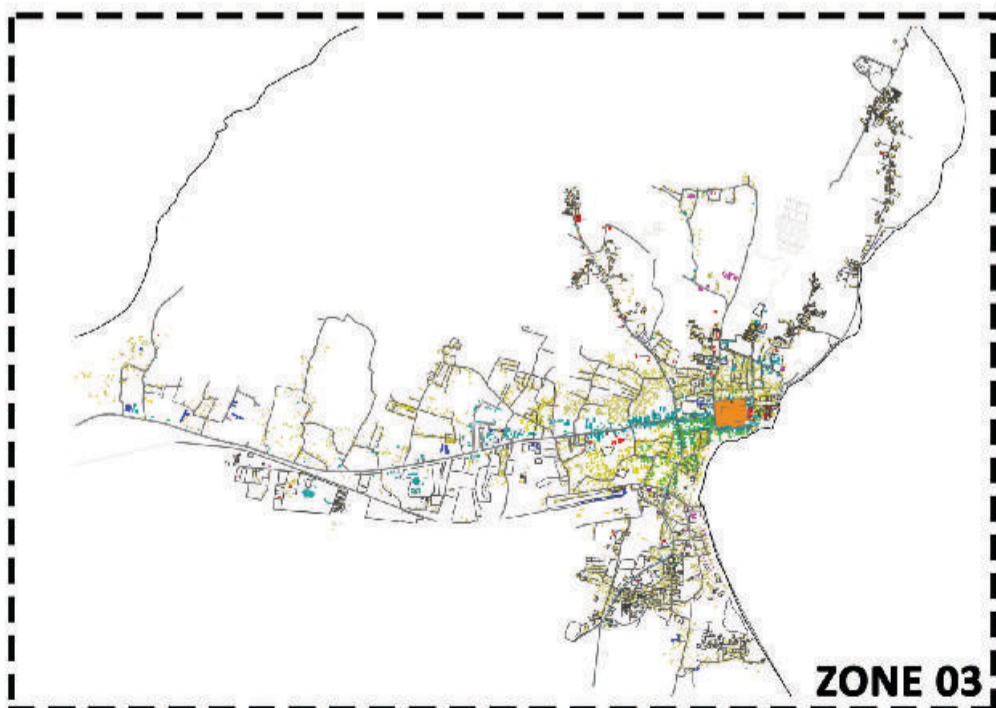
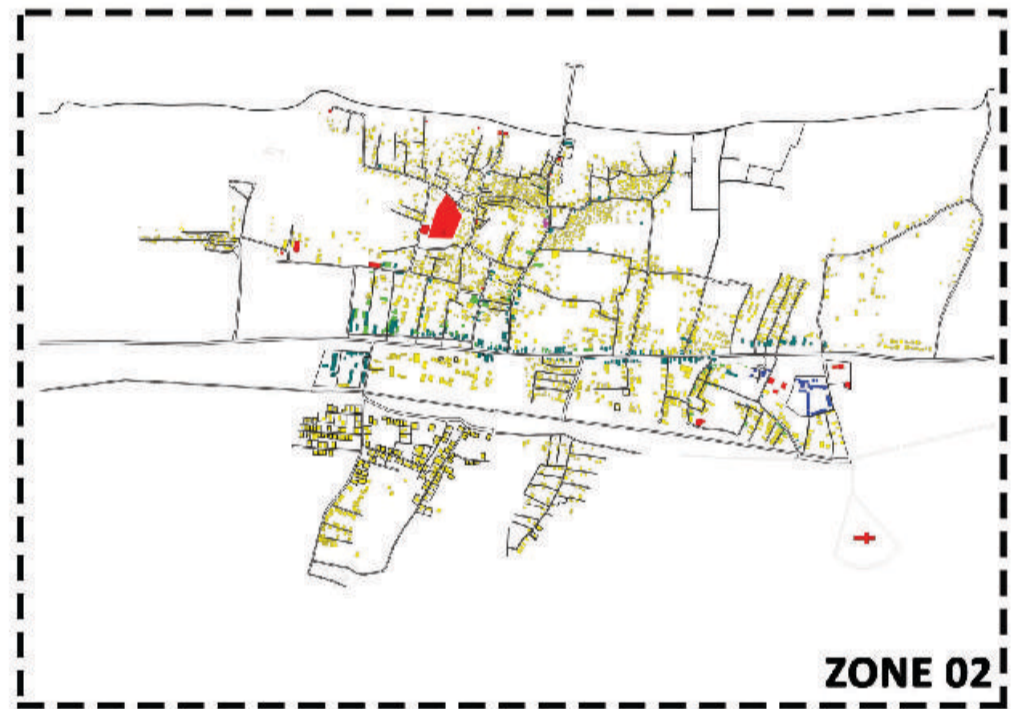
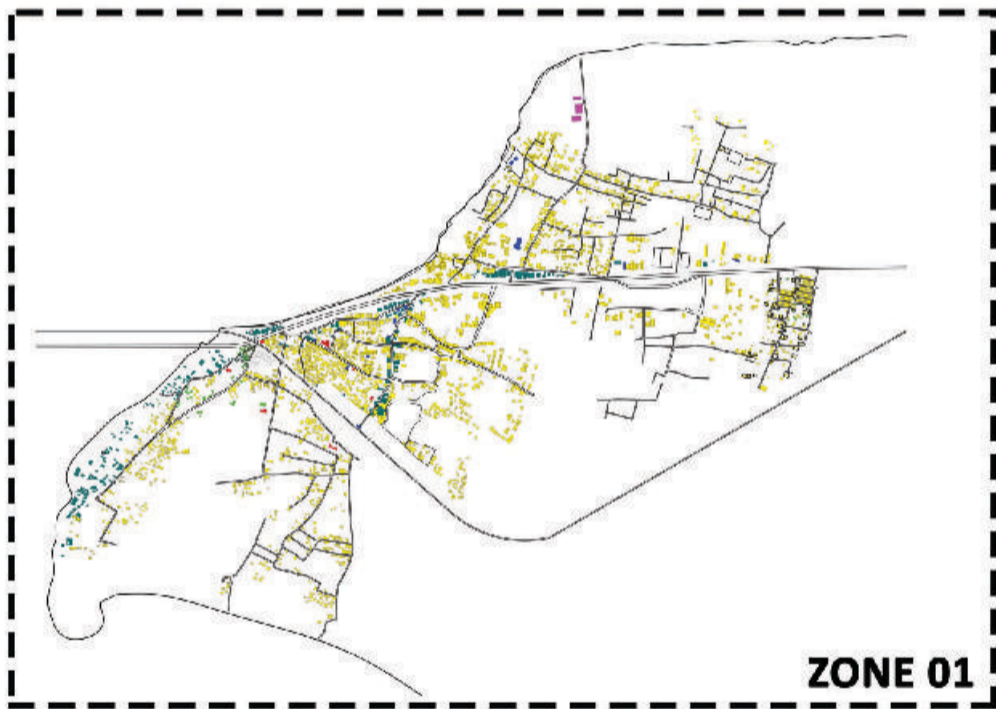
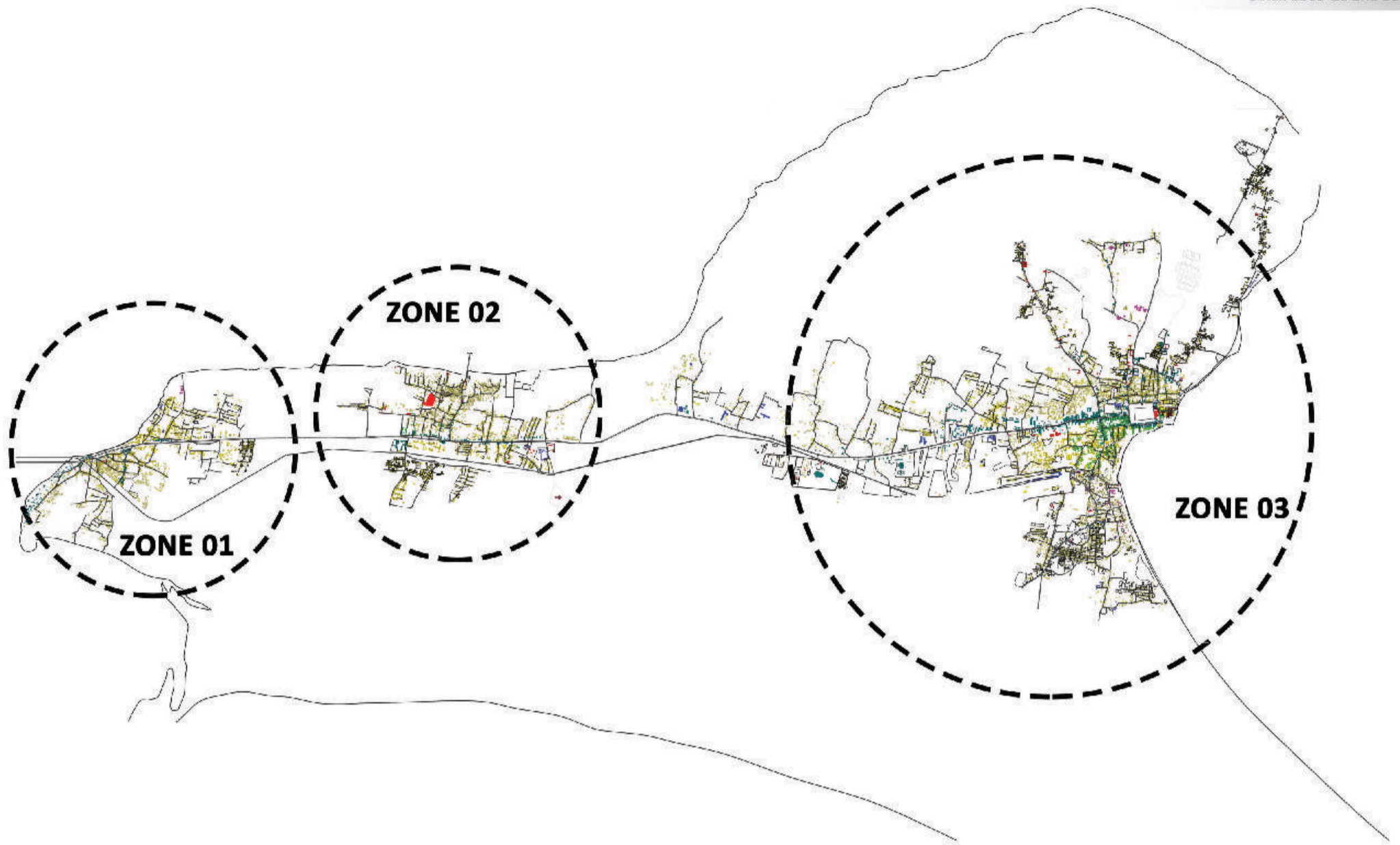
IT CAN BE NOTED FROM THE SETTLEMENTS STUDY OF RAMESHWARAM ISLAND THAT PREDOMINANT LAND OWNERSHIP IS PRIVATE WITH ABOUT 60%. PUBLIC LAND HOLDINGS IN THE SETTLEMENTS ARE NEXT IN ORDER ADDING UPTO 30%. THE REMAINING 10% LAND IS OWNED BY NGOS AND TRUSTS.

LEGEND :

- Private
- Public
- NGO/Trust

PIE CHART :





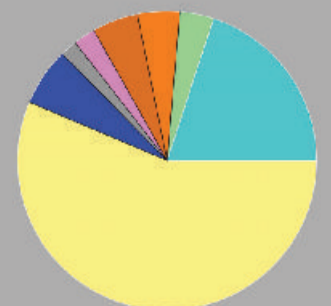
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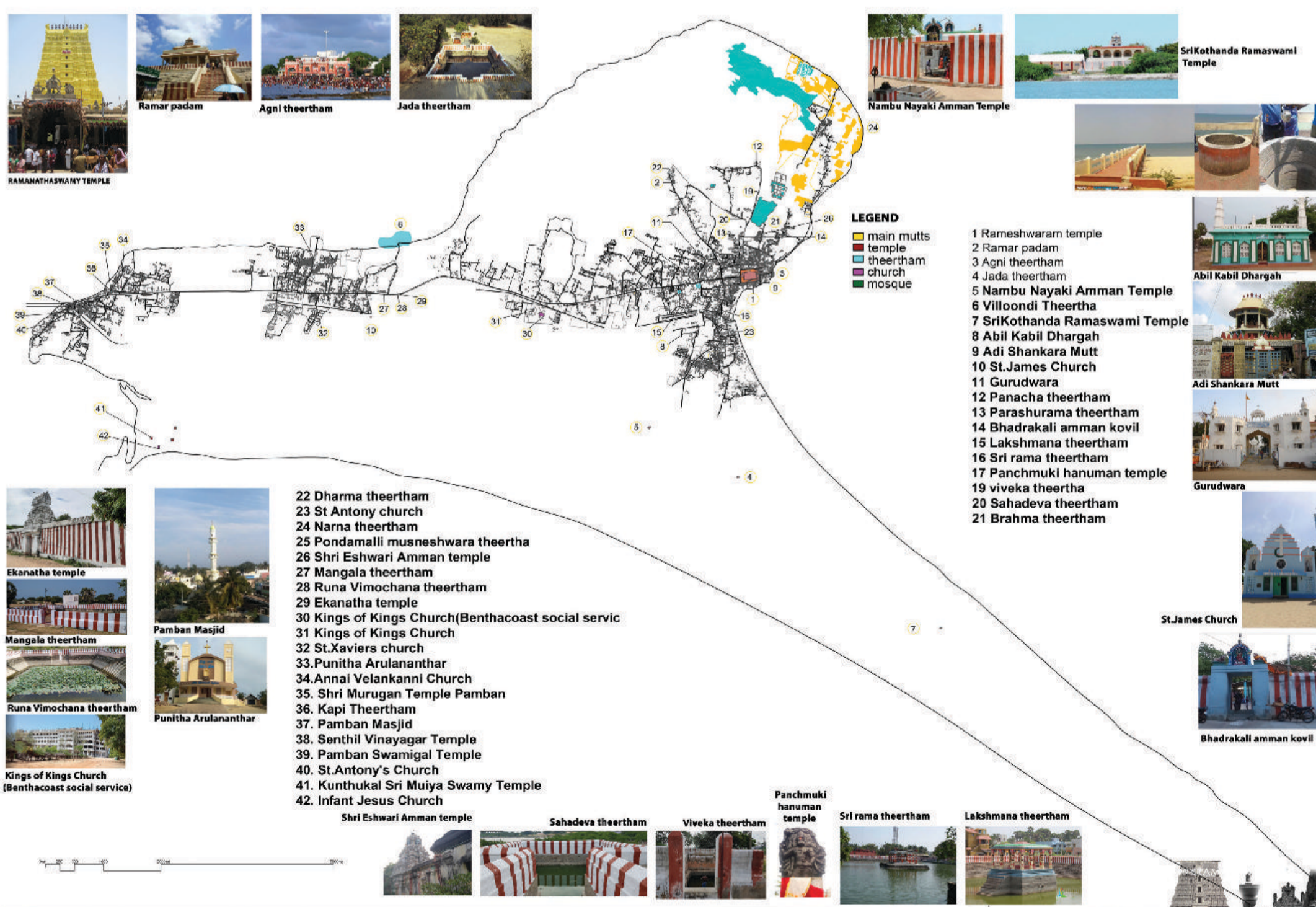
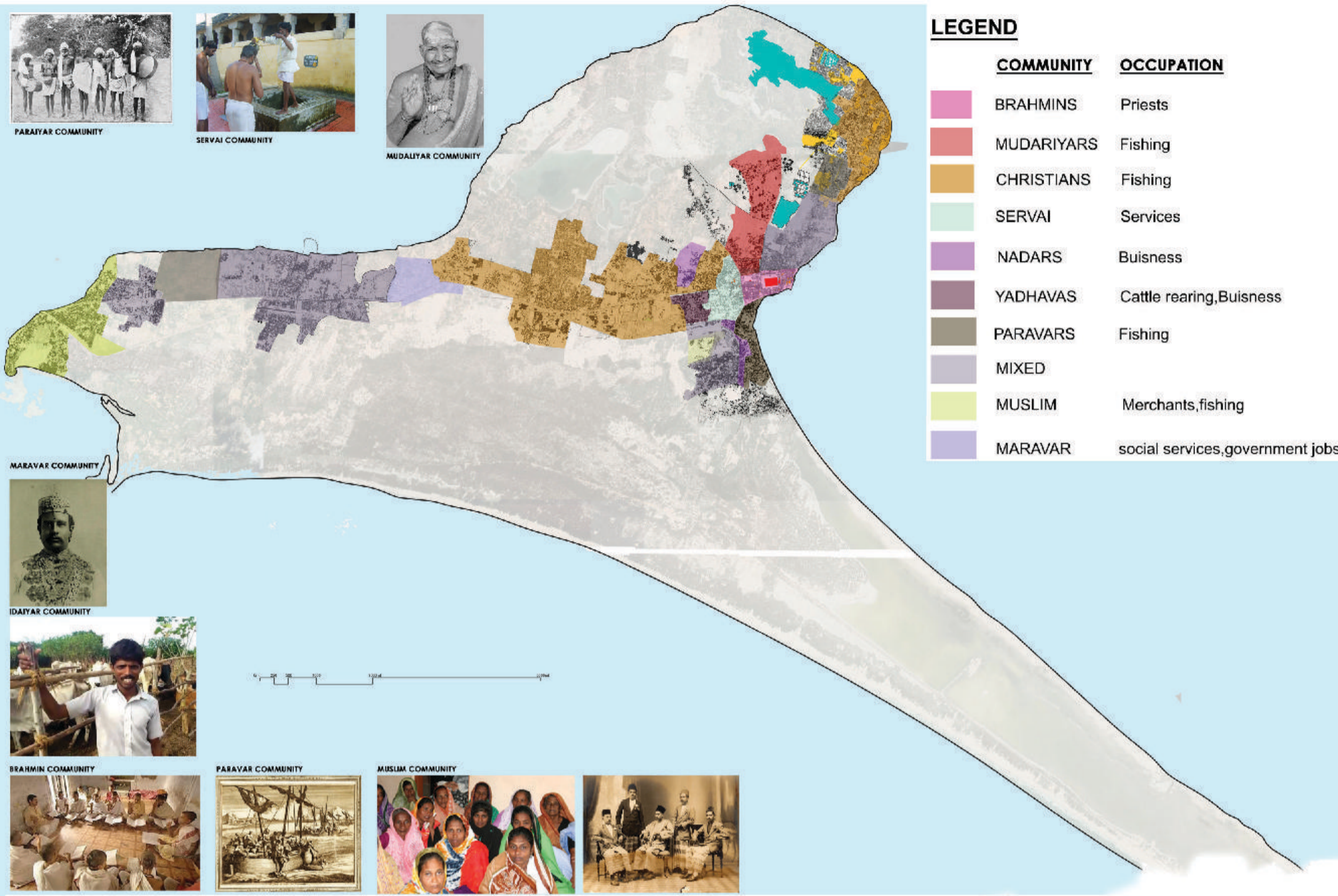
It can be inferred that most of the area is residential zone accompanied by commercial along the main roads. The area around the temple has lots of cultural institutions catering to various people belonging to different religion. We see lot of mixed use buildings developing near the temple precinct and making it more compact. The industries are located away from the core areas.

LEGEND :

- Cultural Marker
- Public
- Residential
- Commercial
- Defence force
- Mixed use
- Industrial
- NGO/ Trust

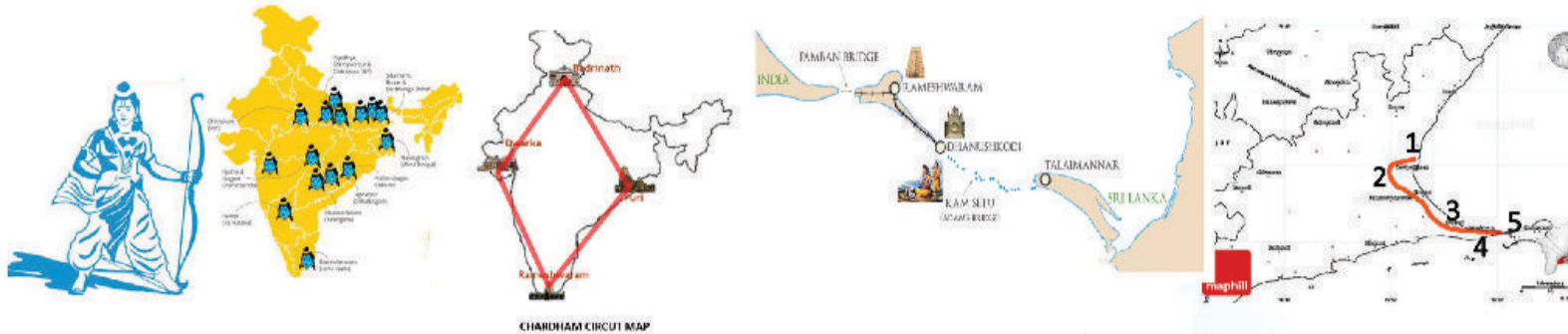
PIE CHART :





SACRED NETWORK

SACRED ROUTE AT PAN INDIA



1 - UPPAR

UPPUR
1. Sri Veyvil ugantha Vinayakar darshanam Sri rama has done Vinayakar Prathista before undertaking the Sethu Bandhanam in this place . it is situated 22 miles north east of Ramanathapuram

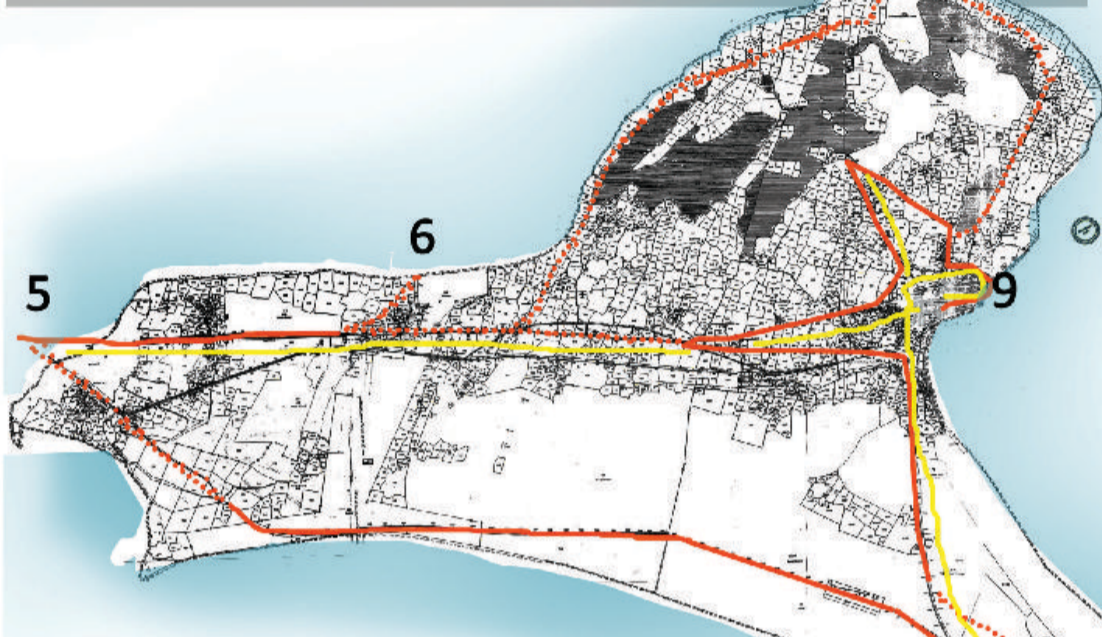
2 - DEVIPATTANAM

DEVIPATTANAM
2. People take a holy dip in the sea here . sree Rama has done Navagraha pooja to the Navabhasanam stones which represents the nine planets. people do navagraha pooja and offer Pitru tarpana to their forefathers/ancestors . It is one of the three holy theerthas where pitru tarpanam is done .it is situated 8 miles north east of ramanthapuram

5 - PAMBAN

PAMBAN
7. VAIRAVA THEERTHASNAM
It is a holy dip in the sea situated west of Kapitheertha
8. KAPITHEERTHASNAM
A Beautiful pond with fresh water surrounded by steps on all four sides is situated in the middle of Pamban town

OLD ROUTE AND PRESENT PILGRIM ROUTE



8- KODANDARAMA TEMPLE

KODHANDA RAMAR TEMPLE
26. sree kodhanda dheeksha guru darshan
It is situated on the Rameswaram to Dhanushkodi route at a place called flag station . yearly once , the crowning ceremony of Vibhishna by lord rama as the King of lanka takes place with much splendour . every Saturday , there is a special utsava for sree rama

6 - THANGACHIMADAM

THANGACHIMADAM
9. SETHU PUSHKARINI THEERTHA SHALAM
A beautiful holy tank is situated very close to thangachimadam
10. VILLURANI THEERTHA SHALAM
On the northern shore , we can see freshwater bubbles in this unique theertha . it is situated close to thangachimadam
11. KANGILA SAROVAR THEERTHA SHALAM
It is a beautiful lotus pond surrounded by steps on all the four sides on the southern side of thangachimadam
12. IRUNAVIMOCHANA THEERTHA SHALAM
It is a freshwater pond located north of Ekanthaswami temple and roshha
13. AMRITHASANI THEERTHA SHALAM
The waters of this theertham is equal to the Nectar (ambrosia / amruth) which is situated inside Ekantha ramaswami temple
14. I CANCHA RAMASWAMI DARSHAN
Sree Rama after having installed the Suga , came her alone , had food and took some rest (Anantha sayana posture) in this historical place

3 - TIRUPULLANI

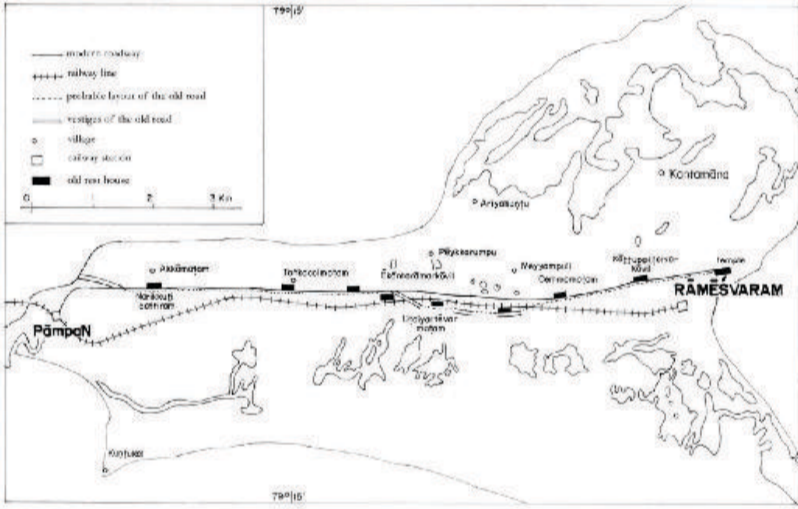
TIRUPULLANI
3. Sree rama appears in darba sayana (reclining posture) and worshipped Lord varuna in this place . it is located 7 miles south of ramanathapuram.
Chakratheertha Snanam
4 . It is a Beautiful Pond/tank situated in front of the Tirupullani temple

4 - MANDAPAM

MANDAPAM
5. Vedhala varadha theertha snanam . It is situated in a small hamlet called Vedhalai which is two miles south of Mandapam railway station
6. Papavina theertha snanam . It is located in the southern sea shore (in Rameswaram Island)

9- RAMSHWARAM

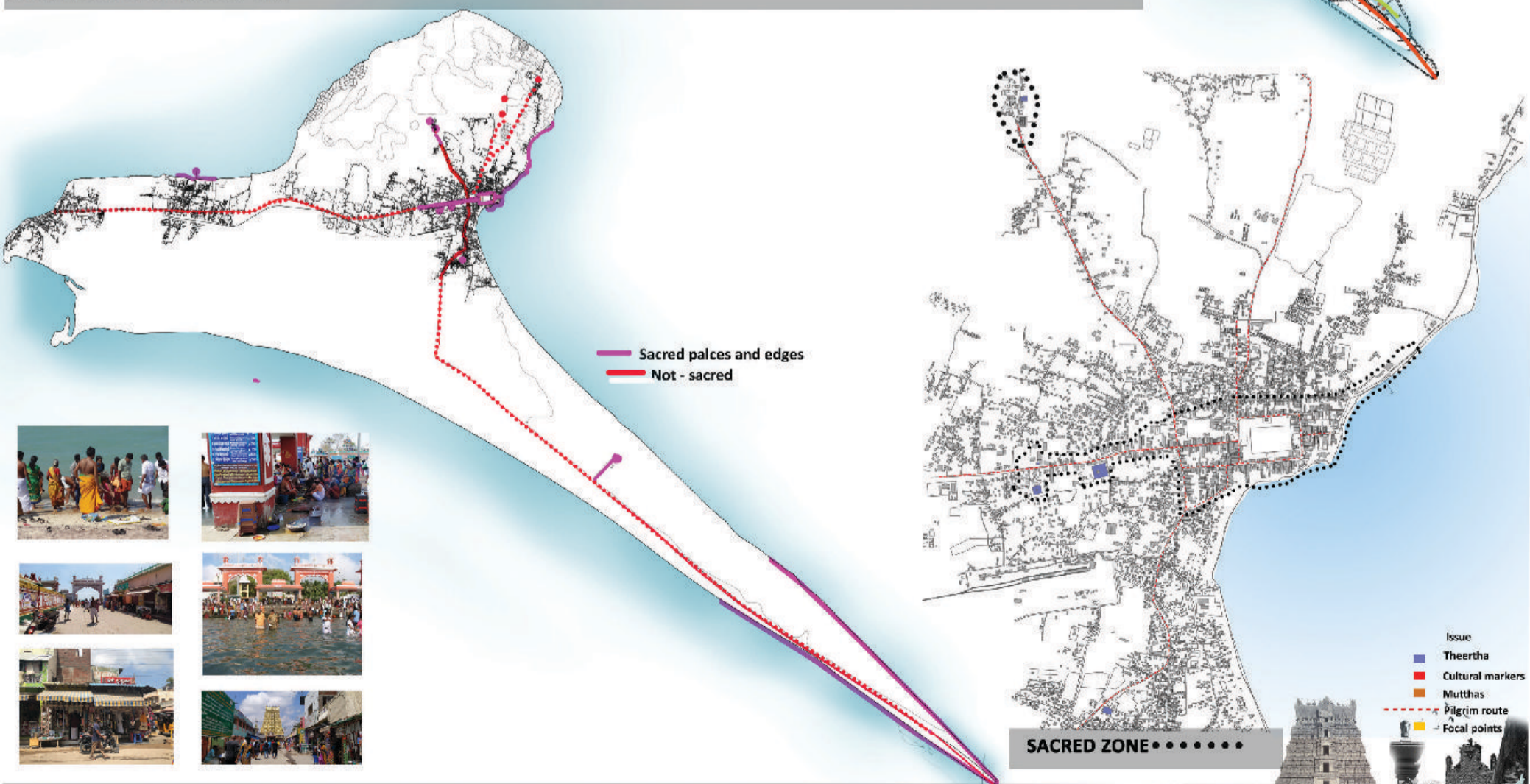
11
67. sree Hanuman's kasi Viswanath linga darshanam
68 . SREE RAMALINGA / SREE RAMANATHASWAMY DARSHANAM
69. SREE PARVATHAVARDHINI AMBAL DARSHANAM
70. Anjaneyar darshanam
71 . Sethumadhava darshanam

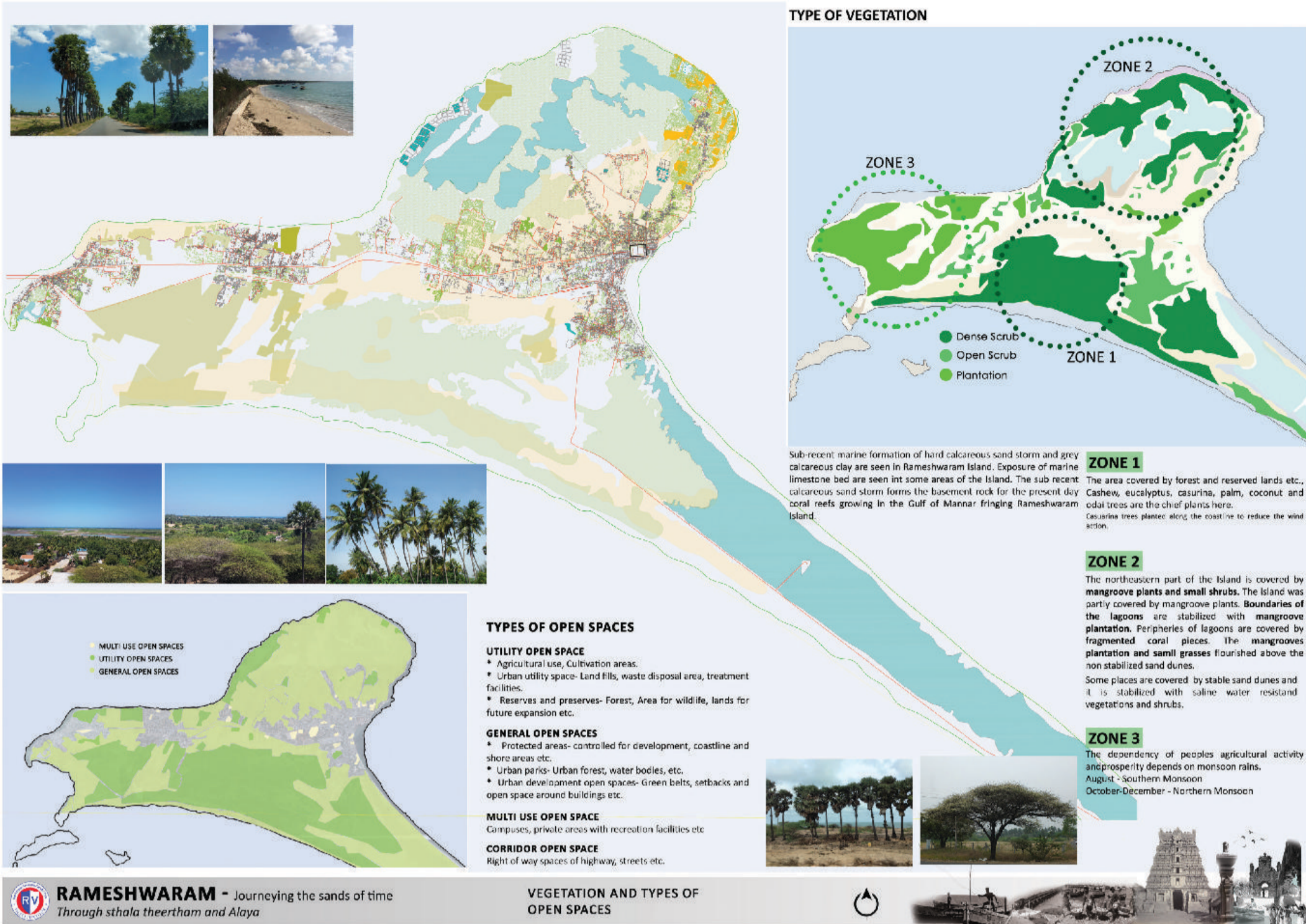


7 - DHANUSHKODI

DHANUSHKODI
15. SethuSnanam
After having completed the darshan of Ekantha Ramaswami , proceed to Dhanushkodi nad perform Rathnam krama kodhadhi Sagara sangama Sethu snanam . It is important to perform Pitru Tarpanam , offerings to poor , Yaga and other such austerities
KODHANDA RAMAR TEMPLE
26. sree kodhanda dheeksha guru darshan
It is situated on the Rameswaram to Dhanushkodi route at a place called flag station . yearly once , the crowning ceremony of Vibhishna by lord rama as the King of lanka takes place with much splendour . every Saturday , there is a special utsava for sree rama

SACRED EDGES AND SPOTS





RAMESHWARAM - Journeying the sands of time
Through sthala theertham and Alaya

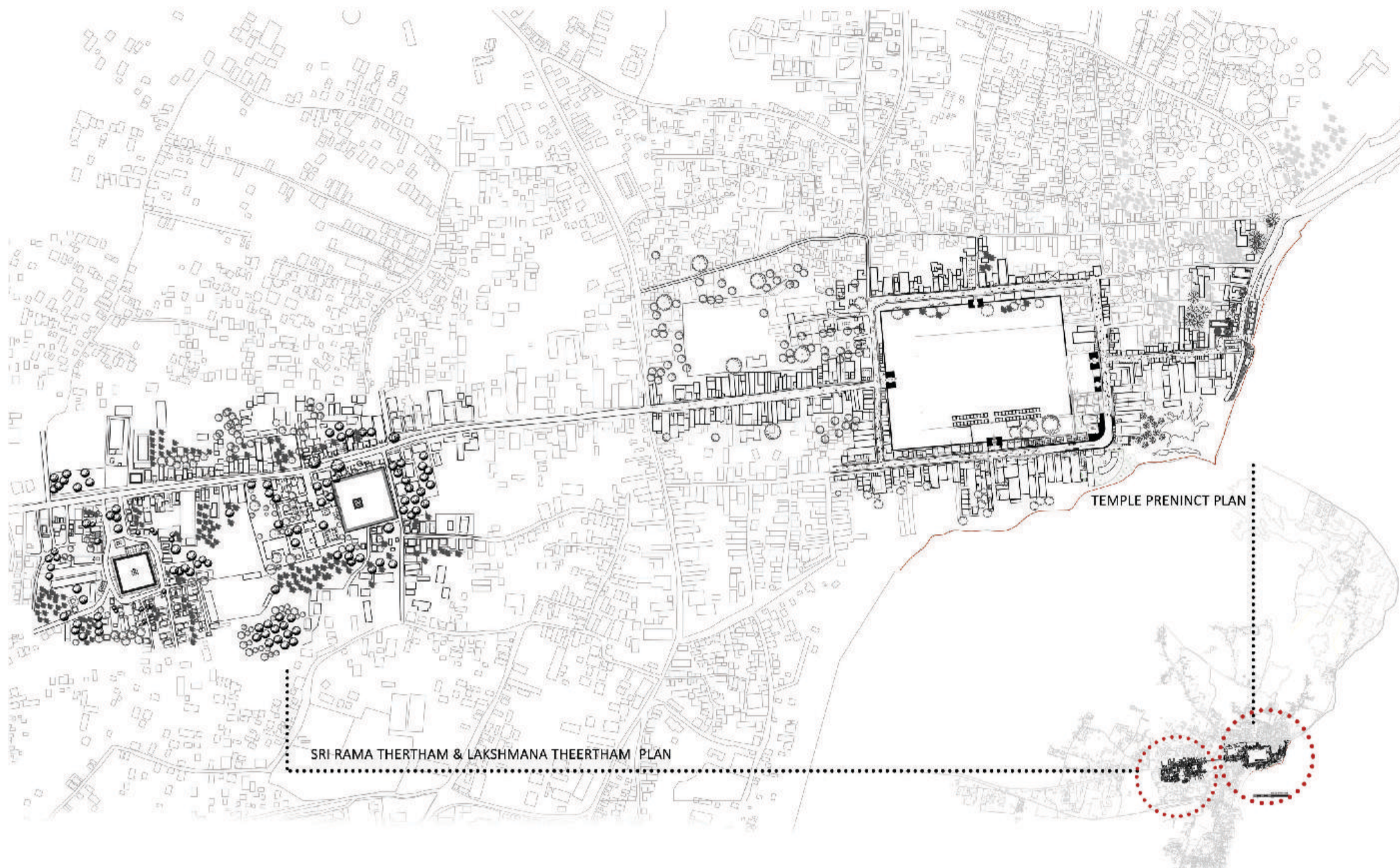
VEGETATION AND TYPES OF OPEN SPACES

URBAN DESIGN STUDIO
Batch 2019-20 2nd Sem M.Arch



RAMESHWARAM - JOURNEYING THE SANDS OF TIME
THROUGH STHALA, THEERTHAM AND ALAYA

TRANSPORTATION NETWORK



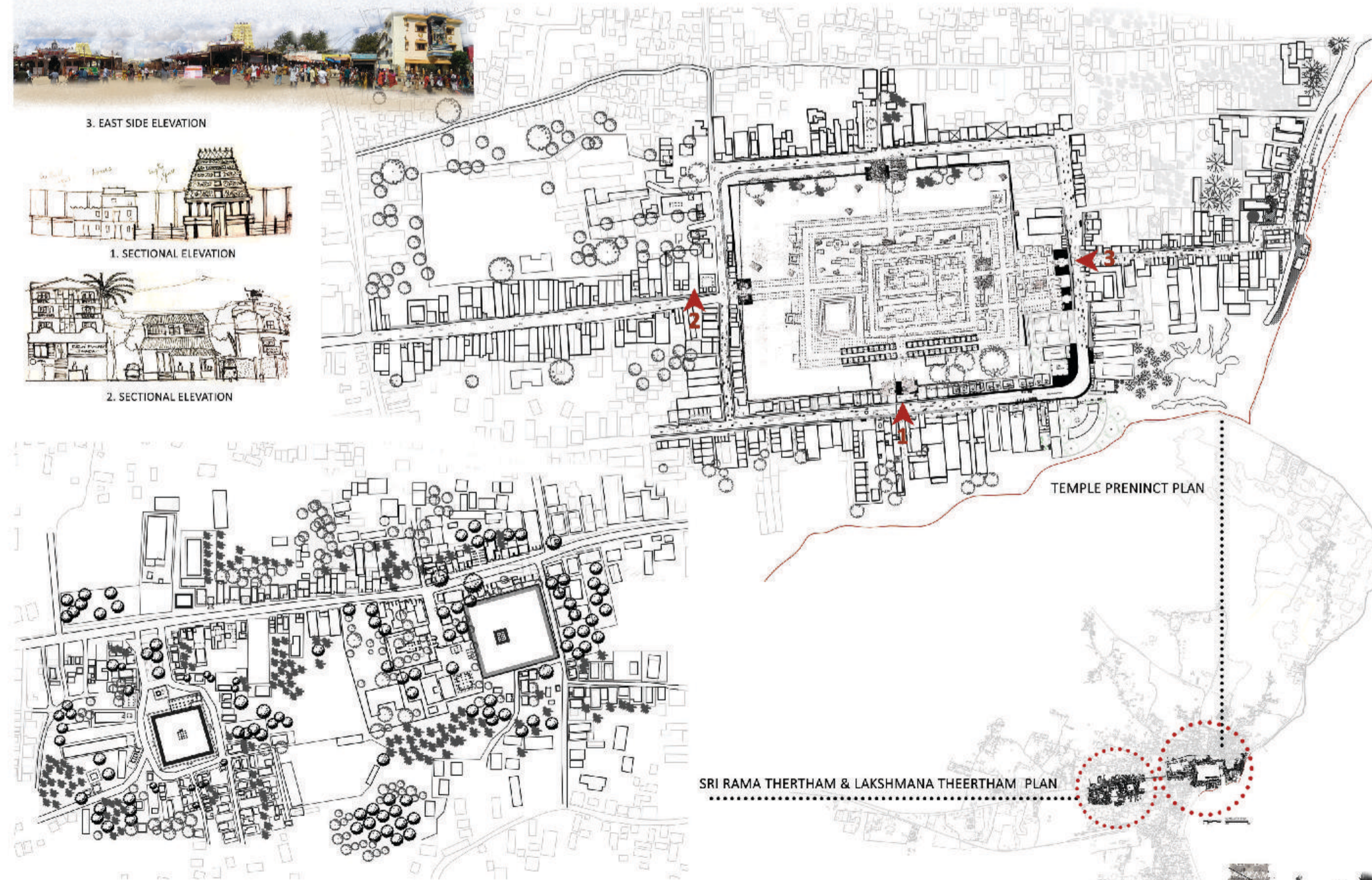
3. EAST SIDE ELEVATION



1. SECTIONAL ELEVATION



2. SECTIONAL ELEVATION



SRI RAMA THERTHAM & LAKSHMANA THEERTHAM PLAN



RAMESHWARAM

CULTURE

| ABHIRAMI R NAIR | ANUSHA M P | ANUSHA S |

| KRUTIKA M | RAJESHWARI G S | YASHASWINI DATH |

