



PLANNERS' HEPTAGON

DEPARTMENT OF PLANNING

School of Planning and Architecture Vijayawada



Planning Newsletter Even Semester 2021-22

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Introduction

We are extremely excited to welcome you to the first offline campus edition of Planner's Heptagon after two looonnggg years of virtual greetings. We were imbued with hopes and dreams to finally be on our campus, which really is an architectural paragon, and this semester saw a melange of numerous academic and cultural events brightening us up every nook and corner. Howsoever accustomed we got to the online classes, the joy of participating in real classrooms, the excitement to meet the faces of the voices from Google meets, in all, the face-to-face interactions with the intellectually diverse faculty body were unparalleled. Delaying no further, diving into this issue, you will come across our various highlights including bagging this year's NOSPlan Championship, Ethnic day celebrations, the several intriguing academic affairs of thesis, and so much more...

Director's Message

Dr. N.V.Ramana Rao
Director in Charge
SPAV



I am really proud to share the 4th edition of Planner's Heptagon with all of you. This issue summarizes the events from the past semester, reflecting on the growth and flourishing of our fellow students and faculties. After two long years, finally the students are back to physical classes, to the invigorating campus environment. SPAV has excelled in academics with persistent efforts from the staff and the students, and has maintained impeccable standards throughout the online mode. It has always been the aim of SPAV to encourage the best outcomes, standing high in the national platform as one of the leading educational institutions. Rechannelling this energy in real life has been an empowering experience thus far. Indeed, the victory of the overall championship in the NOSPlan 2022 event this semester set the perfect tone for the rest of this semester. This event helped foster diverse interactions fundamental for effective strategizing among planners across the country, both from academia and industries. We have enthusiastically repurposed the rusty chapters of offline classes only to massive success and seamless segue. I really cannot say this enough - it is an unparalleled pleasure to connect with students and faculties alike. This semester saw yet another batch of young, intelligent minds, graduating, each producing intriguing research in their theses and projects, and now geared up for new opportunities in the real world. Bringing to you the highlights of this semester, the newsletter draws your attention to the various events, achievements, erudite opinions of the faculties and the students on hot planning topics, and much more. I hope our readers enjoy the issue and I wish everyone the best!

HOD's Message

Dr. Abdul Razak Mohamed
Professor and Head
Dept. of Planning, SPAV



I am pleased to welcome you all to the 2nd issue of Planner's Heptagon Volume 3, bringing to you the latest activities and achievements of our students and faculties. I congratulate all the UG and PG students on completing their thesis and the PhD scholars on focusing the area of concern, moving one step further towards their goal. In addition to the current batch, the upcoming set of students are also blessed with doing lively studio exercises on-field in diverse places across India. I am extremely happy to have witnessed many cultural activities and sports events in the campus, showcasing the student's talent and non-academic skills in a memorable way. I would also like to appreciate the faculty members who accompanied the students on-site, and organised several edifying meetings and discussions with academicians, professionals, and other project stakeholders, giving themselves and the students truly an experiential learning. The field visits primarily focused on conducting surveys, office visits, lectures related to diverse subjects from experts across the country and abroad. The last semester also saw remarkable events such as Science Week Festival, World Habitat Day and World Town Planning day celebrations with great success. Both the hybrid and the offline modes of conducting webinars, workshops, and special lectures, were embellished with incredible learning outcomes. As my end note, along with the newsletter team, I proudly present this edition of Department of Planning newsletter with 'Transcendence' as the theme, reflecting the smooth change and adaptation to the offline classes, with huge contributions from the faculty, the staff and the students.

Department of Planning

The Department of Planning at SPA Vijayawada offers a four year undergraduate degree, a two year post graduate degree (with specialization in Urban and Regional Planning, Environmental Planning and Management, and Transportation and Infrastructure Planning), and a doctoral research programme in Planning. The students of Planning are exposed to proficient planning expertise through full-time faculty and distinguished visiting faculty. The Alumni of the Department are successfully working across India and the world as professional planners with the government and private sector.

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JAN - JUN
2022
ISSUE 02
VOLUME 03

Planners' Heptagon

The Theme



Illustration credits : Karan K, MEPM II YEAR

Change is the only constant. But this change is the key driver and a catalyst in the process of concocting a great innovation. There will be various stages in any project, and in life which will necessitate surpassing all the limitations, achieving a breakthrough, an invention. These are the transitions that helped transform from an individual nomadic human to a planned settlement. We are progressing towards a technologically driven world, slowly transcending into a digital village, in the post COVID-19 world. It witnessed both pros like the tremendous reduction in pollution levels, exponential growth in digital services, and cons like societal inequity of migrants and underprivileged, decline of the tourism sector. However, the world is rebuilding its way back into the arena, bolstering with a new façade and robust agendas in each sector. This ability to embrace, adapt and transcend towards resilient planning has marked an epoch in the history. Commemorating this change, we present to you "The Transcendence in Planning".

Transcendence

COVID - 19

Precautionary Measures



During this challenging phase, the college has taken several measures to combat the crisis and maintain the well-being of our SPAV family. Various circulars regarding Protective measures, usage of Arogya Setu App, awareness sessions on mental health, ICT approach, establishment of student grievance cell were put forth amongst students to keep them updated. An action plan was made to overcome mental stress and ensure stability of students as per YUKTI portal of MHRD, Gol.

Student Enrollments

(2021-2022)

The total student admitted in the Department of Planning, during the academic year of 2021-2022 was 33 students for the B.PLAN course and 59 students for the different M.PLAN courses.

B.PLANNING - 33 nos.

M.PLANNING - 59 nos.

Bachelor Degree Background



Admission Qualification



Student Diversity

(ADMISSIONS 2021-22)

Andhra Pradesh	11	1	Himachal Pradesh
Gujarat	1	1	Bihar
Telangana	8	1	Goa
Kerala	11	1	Jharkhand
Karnataka	8	1	Chattisgarh
TamilNadu	19	4	Rajasthan
West Bengal	3	1	Uttarakhand
Maharashtra	7	1	Madhya Pradesh
Haryana	5	7	Odisha

Strength of the Department

STUDENTS (225 nos.)

B.PLAN	M.PLAN
33 I - Year	46 MURP I YEAR - 23 II YEAR - 23
29 II - Year	35 MEPM I YEAR - 19 II YEAR - 16
22 III - Year	36 MTIP I YEAR - 17 II YEAR - 19
24 IV - Year	
108 nos.	117 nos.

BACK TO CAMPUS...

After, the announcement from the government, taking the necessary precautions, students were called back to campus batch wise after double shots of covid vaccination. Maintaining the COVID-19 protocols and safety measures, the students were welcomed back to physical classes, with a small event, addressing the gathering on ___/03/2022.

FACULTY



Practical Training

The practical training was resumed after the 2 year break due to Covid-19 lockdown and the students were encouraged to explore various platforms aligning with their interests. A training period of 4-6 weeks happened as per the course structure recommendation. The students of B.Plan 2nd and 3rd years, and M.Plan 1st years joined various firms and institutions and had an eclectic on-field experience.



<p style="text-align: center;">Bachelor of Planning</p> <ol style="list-style-type: none"> 1. Moradabad Development Authority, Uttar Pradesh 2. Directorate of Town and Country Planning, Hyderabad 3. Office of District Town Planner, Wayanad 4. Town Planning Department, Vijayawada Municipal Corporation 5. Designshala Collaborative, Maharashtra 6. Department of Town Planning, Arunachal Pradesh 7. CBRE South Asia, Telangana 8. Tamilnadu Institute of Urban Affairs, Coimbatore 9. DTCP, Naya Raipur 10. Karnataka State Town Planning Board, Bangalore 11. Manipal School of Architecture and Planning, Karnataka 12. Lea Associates South Asia, Trivandrum 13. Jadavpur University, West Bengal 14. UNDP, Vishakapatnam 15. Town and Country Planning, Madhya Pradesh 16. Doon Land Buildcon pvt ltd, Dehradun 17. Planning Insights, Maharashtra 	<p style="text-align: center;">Master of Planning - Urban and Regional Planning</p> <ol style="list-style-type: none"> 1. Srei Infrastructure Finance Ltd, Kolkata 2. SEEDS India, New Delhi 3. Directorate of Town and Country Planning, Hyderabad 4. Chennai Metropolitan Development Authority, Tamilnadu 5. Andhra Pradesh Urban Infrastructure Asset Management Limited, Vijayawada 6. National Institute of Urban Management, Telangana 7. GIS based Masterplan, Vijayawada 8. Coimbatore Smart City Limited, Tamilnadu 9. National Institute of Urban Management, Hyderabad 10. IPE Global Limited, New Delhi 11. All India Institute of Local Self Government, Hyderabad 12. Bhubaneswar Smart City Limited, Odisha 13. CDD Society, Bangalore
<p style="text-align: center;">Master of Planning - Environmental Planning & Management</p> <ol style="list-style-type: none"> 1. All India Institute of Local Self Government, Hyderabad 2. Directorate of Town and Country Planning, Madurai 3. Gangtok Smart City Development Limited, Sikkim 4. Andhra Pradesh tourism development authority 5. IPE Global Limited, New Delhi 6. Andhra Pradesh Urban Infrastructure Asset Management Limited, Vijayawada 7. Bhubaneswar Smart City Limited, Odisha 8. Greater Cochin Development Authority, Ernakulam 9. Rourkela Municipal Corporation 10. National Institute of Urban Management, Hyderabad 11. Ranchi Smart City Corporation Limited 12. Chennai Metropolitan Development Authority, Tamilnadu 	<p style="text-align: center;">Master of Planning - Transport Planning</p> <ol style="list-style-type: none"> 1. Indian institute of Public Administration , New Delhi 2. City Planners, Chennai 3. Directorate of Urban Land Transport, Bengaluru 4. Mumbai Metro Rail Corporation Limited 5. Satra services and solutions, Hyderabad 6. Sustainability Consultants Limited, Mumbai 7. Aarvee Associates, Hyderabad 8. LnT Infrastructure and Engineering Limited, Chennai 9. UIT, town planning department, Kota 10. Chennai Metropolitan Development Authority, Tamilnadu 11. Town and Country Planning Department, New Delhi

Challenges of Addressing Questions of Economy & Finance - Master Plans



(DATED:07-04-2022)
Guest Speaker: Dr. Sudeshna Mitra , Associate Professor,IIHS Bangalore
Co-ordinated by Dr.Ayon Kumar Tarafdar
 The students were able to understand and learn about the importance of economy and financial aspects in the master plan study. The expertise of Dr.Sudeshna Mitra was helpful for students in understanding the key role,various aspects and importance and necessity of economy and its components in master plans.

Changing The Urban Mobility & Future trends



(DATED: 16-05-2022)
Guest Speaker: Prof.Ranganathan ,Former Professor & HOD of Transport Planning-SPA Delhi
Co-ordinated by : Co-ordinated by Dr.Abdul Razak Mohamed
 The students were able to understand the contemporary trends in urban mobility and how these would shape the society travel behaviour and topic has a wide influence on society.It mainly delas with how these aspects would lead to the improved connectivity.

Road User Charging



(DATED: 09-05-2022)
Guest Speaker: Dr.Nagendra R Velaga
Co-ordinatedby : Mr.J.M.Bhagwat

Planning In The Domain Of Uncertainty



(DATED:07-04-2022)
Guest Speaker: Dr. Sudeshna Mitra , Associate Professor,IIHS Bangalore
Co-ordinated by Dr.Ayon Kumar Tarafdar

MMR-Planning Procedure & Practice



(DATED: 11-04-2022)
Guest Speaker: Dr. Uma Adusumilli
 Former Chief Planner,MMRDA
Co-ordinated by Dr.Ayon Kumar Tarafdar

Special Lecture On Urban & Rural Governance In India






(DATED:19-04-2022)
Guest Speaker: Dr. M.RamaChandran , Former IAS officer
Co-ordinated by Dr.Abdul Razak Mohamed
 The students were able to understand and learn about the importance of governance in the urban and rural areas for balanced development and effective implementation of the plans and government schemes and welfare programs.

Spatial Thinking In Planning Practice






(DATED:30-04-2022)
Guest Speaker: Mr.Mithun.S.Anand , Manager,Urban Infrastructure & Tourism,IPE Global Limited
Co-ordinated by Mr.Rajeev R
 The students were able to understand and learn about the importance of integration of GIS in spatial planning and development.This could help to carry out a location based analysis and decision making aspects.It helps in informd planning decisions.

SEMESTER II	SEMESTER IV STUDIO TOPIC	SEMESTER VI
<p>Planning and Mapping Studio Maps - Significance and Types</p>	<p>Transportation Planning Studio City Level Transport Assessment A Case Of Vijayawada</p>	<p>Master Plan 2042 - Kakinada, AP</p>
INTRODUCTION		
<p>The aim of the learning process in this particular studio is to inculcate in the students an understanding of the symbology and concepts involved in creating maps. It aims to teach map making and it's importance to the students. The studio exercise dealt with creating informative base and thematic maps</p>	<p>The city-level transport assessment was a comprehensive analysis of the existing traffic and transportation network status in the selected region of study. The exercise aimed to analyze the existing scenario through surveys and consequent analysis, which was further used to determine the possibilities of change and proposals for the same.</p>	<p>The studio aims to understand and apply techniques related to urban planning and development for towns/cities in India in order to evolve a rational comprehensive development plan for the future of the city. The learnings are oriented towards the making of a Master Plan / Urban Development Plan of a city and knowledge on how to deal with and tackle the city level urban planning issues</p>
FOCUS		
<p>Maps dealing with various sectors related to Urban Planning policy were to be created</p>	<p>The studio overall aimed at identifying the prominent issues present at 6 major junctions present in the city of Vijayawada and providing feasible, junction-level solutions that had a positive impact on the area of influence.</p>	<ul style="list-style-type: none"> • Infrastructure improvements • Allocating land use to cater to the projected population • Eco sensitive zones • Innovative Infrastructure adaptation
AREA OF STUDY		
 <p>● Vijayawada, Andhra Pradesh</p>	 <p>● Vijayawada, Andhra Pradesh</p>	 <p>● Kakinada, Andhra Pradesh</p>
OUTCOME		
<p>Maps dealing with, Governance, Demography, Socio-Economics, Environment, Physical and Social Infrastructure, Transportation and Tourism were created</p>	<p>The students were required to identify the transportation related problems at national and city level and conduct the surveys related to Transport Planning in the areas they live. The end product required the students to give design proposals on Pedestrianization and Road safety improvement Plan, City Square Development and Smart and Sustainable Parking Management Strategies..</p>	<p>The broad learning outcome of this practical studio project is to prepare Development plan by students which includes using appropriate techniques and procedures. The Development Plan focused on preparing a balanced and integrated plan with considering multi-sectors. The development plan consists of document and associated maps at a city level.</p>
STUDIO COORDINATORS		
<p>Dr. Solanki Ghosh Mr. Bhagwat Jayeshkumar</p>	<p>Mr. Sreekanth Satheesh Ms. Naina Gupta</p>	<p>Mr.Valliappan AL Dr.Abdul Razak Mohamed</p>

B.PLAN

PLANNING EVEN SEMESTER STUDIO '21-22

MURP-SEMESTER II	MEPM-SEMESTER II STUDIO TOPIC	MTIP-SEMESTER II
<p>Urban Development Plan Case Area : Bhubaneshwar City</p>	<p>Sustainable & Resilient Environmental Development Plan Case Area : Alappuzha, Kerala</p>	<p>Comprehensive Mobility Plan Case Area : Bhimavaram, Andhra Pradesh</p>
INTRODUCTION		
<p>The Urban planning studio in the II semester of the Master's in urban and regional planning course, focused on the Master-plan making at urban level. The purpose of this activity was to help students understand the problems that the chosen Urban area faces, do pertinent literature reviews, carry out field research, and analyse and suggest solutions.</p>	<p>The overuse of diverse natural resources by humanity, which is on the cusp of economic progress, could again have an impact on humanity through numerous disasters. Only through fostering sustainable development—a dedication to social advancement, environmental balance & economic growth— can the problems, such as climate change, water scarcity, inequality, and hunger, be handled on a global scale. Lack of resilience requires a population to prioritize immediate needs & take drastic measures. A development plan for the environment is needed.</p>	<p>The studio provided a comprehensive learning platform introducing the students about the various aspects of a mobility plan which includes the appraisal and the analysis of the transport network, available modes of travel, and the possibility of a non-motorised transport network. The exercise included an environmental perspective through existing and projected emissions, against the green infrastructure available in the right of ways of the city's network.</p>
FOCUS		
<ul style="list-style-type: none"> • Concepts on Decentralisation • Eco-sensitivity • Sustainable Co-existence • Equitable Economy • Reimagine and Connect. 	<ul style="list-style-type: none"> • Resilience • Eco sensitivity • Carrying Capacity • Composite vulnerability • Sustainable Environment development plan 	<ul style="list-style-type: none"> • Connectivity and Accessibility • Travel Demand Modelling • Public Transport Scheduling • Non-Motorised Transport and IPT • Green infrastructure on roads
AREA OF STUDY		
 <p>● Bhubaneshwar City</p>	 <p>● Alappuzha, Kerala</p>	 <p>● Bhimavaram, AP</p>
OUTCOME		
<p>The major identified Inter Sectoral proposals include, Heritage Zone Renewal – Ekamra-Kshetra, Water Sensitive Urban Development, Densification, New Economic Zone, Slum Renewal, Emergency Responsive Planning. All the sectors address varied aspects of developments suitable and proposed the major potential for the enhancement of the sector. All these proposals combined and advance to attain the prospects of Urban Development Plan, Bhubaneswar 2041</p>	<p>The major identified Inter Sectoral proposals include, Heritage Zone Renewal – Ekamra-Kshetra, Water Sensitive Urban Development, Densification, New Economic Zone, Slum Renewal, Emergency Responsive Planning. All the sectors address varied aspects of developments suitable and proposed the major potential for the enhancement of the sector. All these proposals combined and advance to attain the prospects of Urban Development Plan, Bhubaneswar 2041</p>	<p>The outcome of the studio was a Comprehensive Mobility Plan in compliance with the Master Plan. The exercise inculcated students with skills to perform Travel Demand Modelling, analyse the existing road network in terms of connectivity and accessibility indices, appraise the existing transport infrastructure. The proposal included the introduction of Public Transport and its scheduling, identification of NMT circuits, green corridors in two different scenarios: BAU scenario and Master Plan Scenario.</p>
STUDIO COORDINATORS		
<p>Dr. Prasanth Vardhan Dr. Ayon Kumar Tarafdar</p>	<p>Mr. Rajeev R Dr. Adi Narayannane R</p>	<p>Ms. Naina Gupta Dr. Arpan Paul Singh</p>

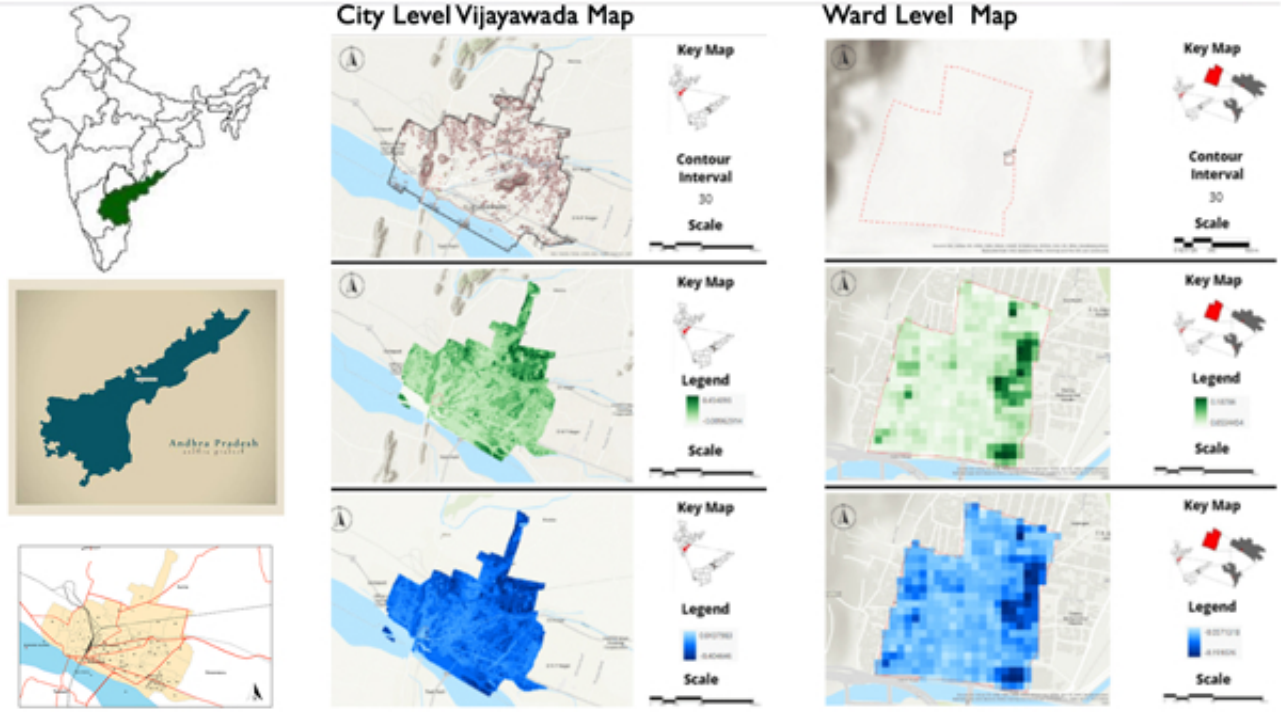
M. PLAN

PLANNING EVEN SEMESTER STUDIO '21-22

B.PLAN
YEAR I - SEMESTER II
Planning & Mapping Studio
 Dr.Solanki Ghosh
 Mr. Bhagwat Jayeshkumar

Key Aspects of Study
 Analysis of interaction among natural forms and processes on the earth's surface-climate,pollution,disaster risks-Maps

Location of Study
 One Town(ward I I),Vijayawada,AndhraPradesh



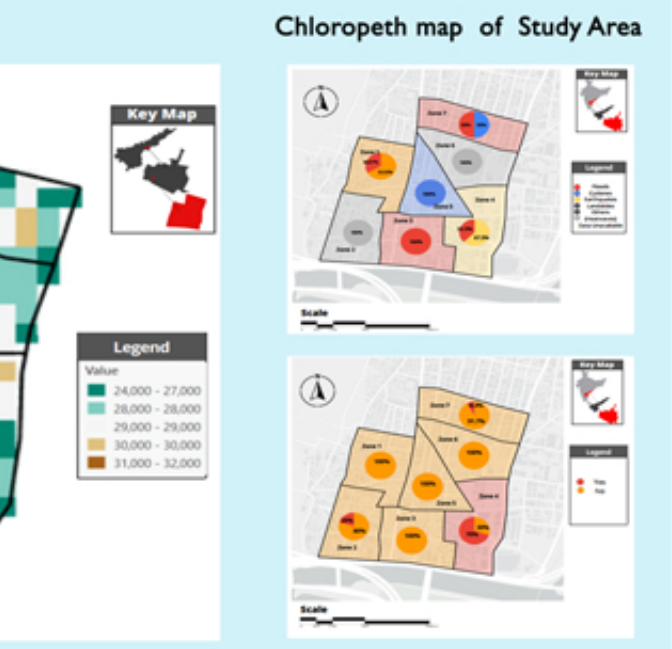
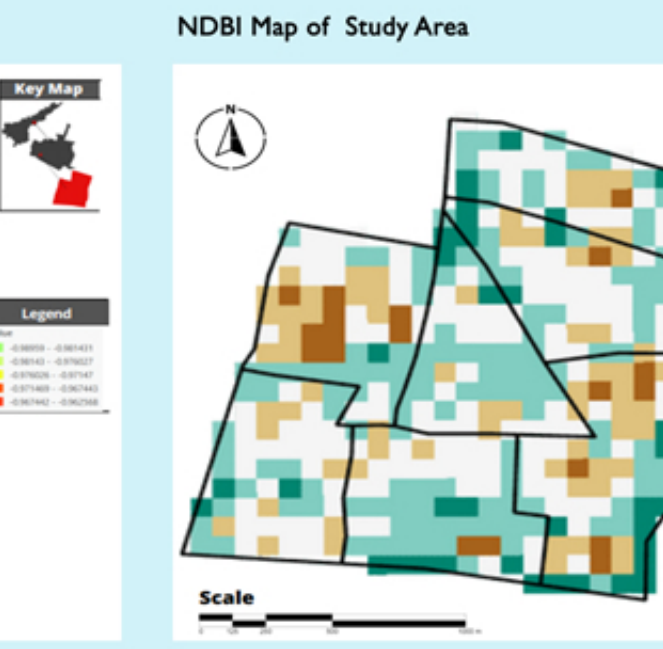
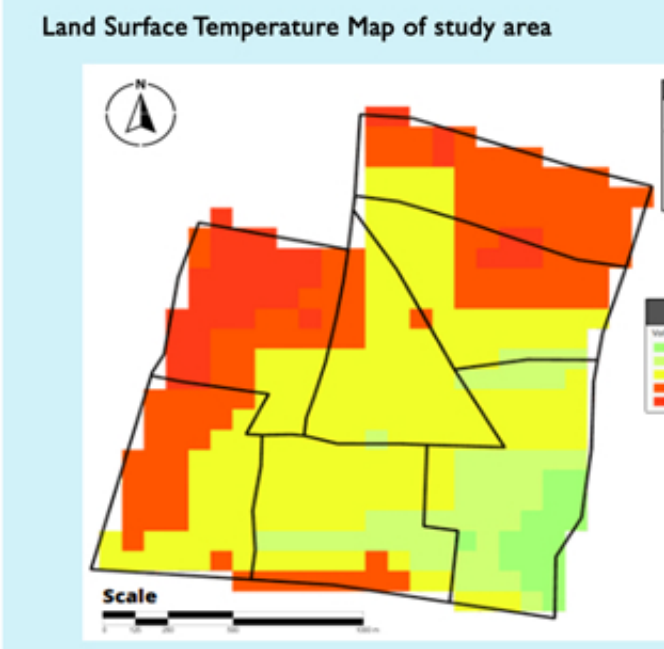
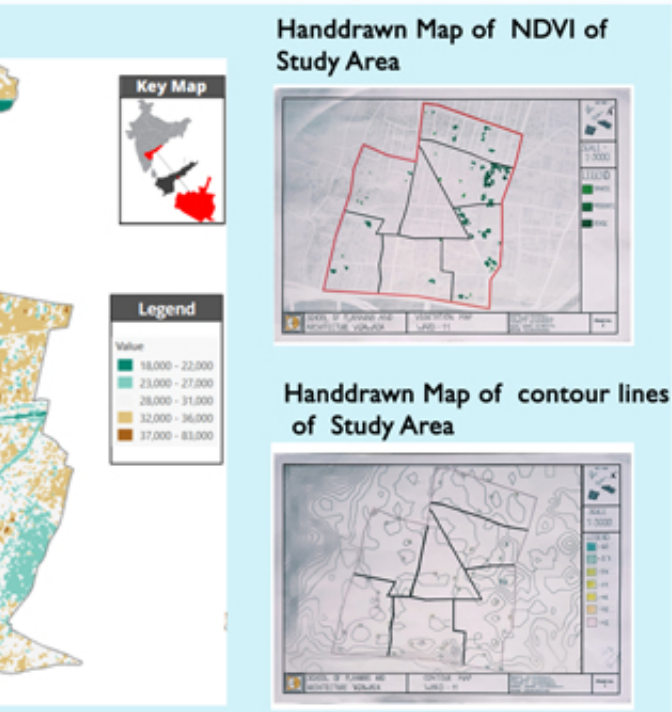
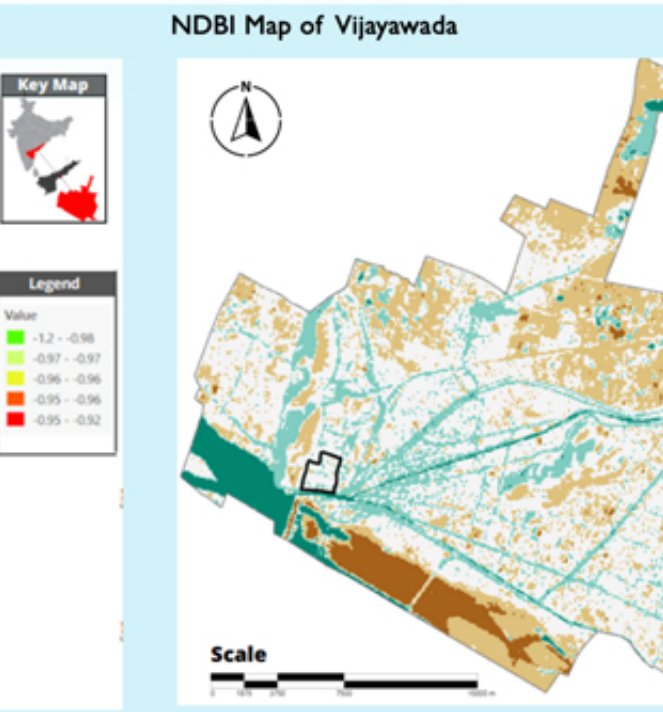
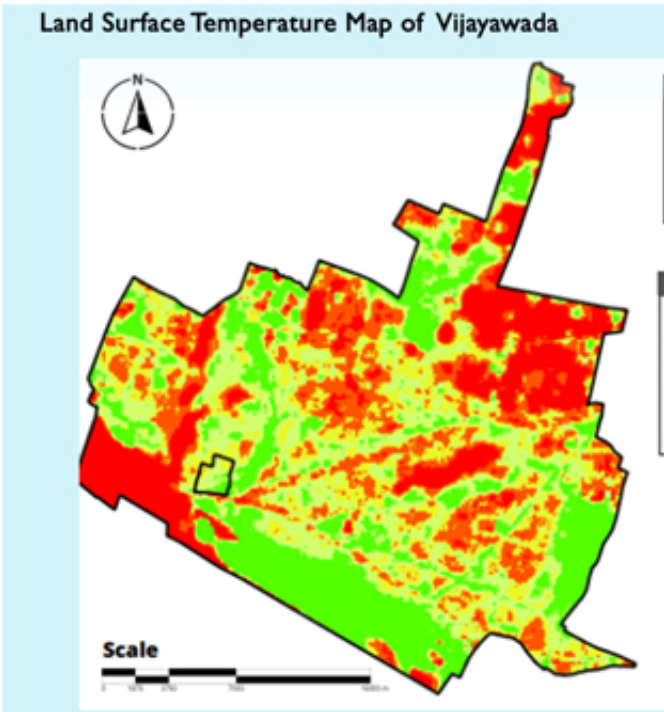
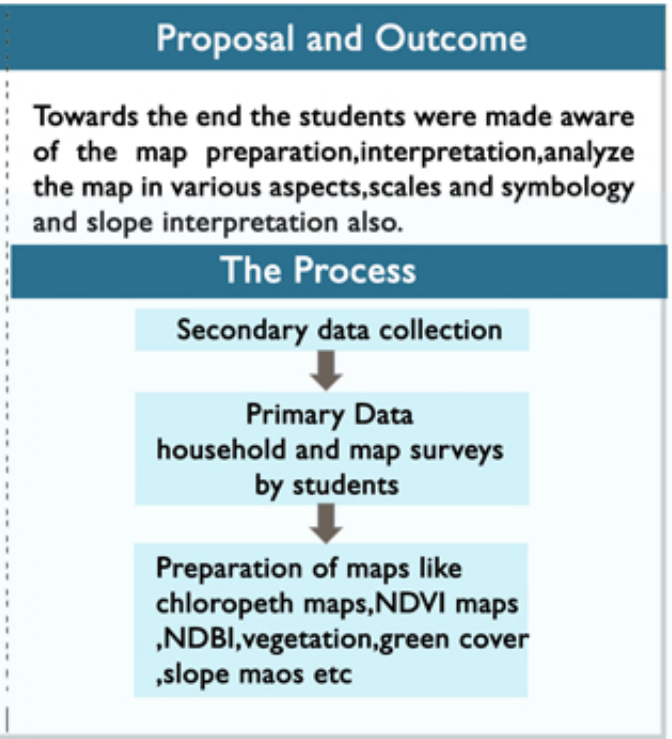
Need for Study

Urbanization and the environment work in tandem, each offers unique challenges to the other, rapid urbanization has resulted in various environmental problems, similarly unique environmental features have halted urban areas from developing freely. Therefore it becomes crucial to study this key factor. Creating informative maps can assist in visualizing and deriving information for the area in question from afar and with less hassle. Ward II, offers unique environmental characteristics which may help understand urban features of the area.

The studio focuses on the understanding capability of various kinds of maps,their representation,symbology and their indications.The main agenda of this studio is to understand the meaningeach and every symbol on the map.Thus proces also helps the sudents to understand the physical features around a place to analyse the resources and asets of the place.

Survey Performed / Methodology

- The exercise has been kicked off with gathering secondary data, further primary data was supplemented by physical household and map surveys.
- Remote Sensing and Geographical Information systems have been used for generation of the maps. In particular,ArcGIS was used.
- A 6 step approach was undertaken to ensure efficiency and authenticity of the work
- Secondary data related to area of study was obtained and studied, missing data was noted
- Primary data collection was done through household surveys and map surveys by the students
- The Generation of Maps have been done using ESRI's ArcGis Pro, and supplemented by use of Google Maps and Google Earth. CARTOSAT, LANDSAT 8, BHUVAN have been additional sources of information for generation of maps.
- Many maps were genrated in this process to understand the context of the place .

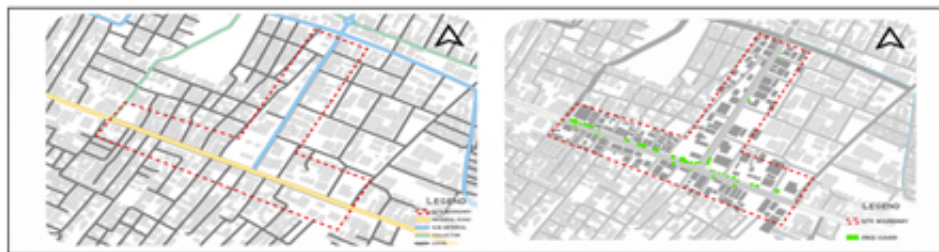


B.PLAN
YEAR II - SEMESTER IV
Transportation Planning Studio
 Mr.Sreekanth Satheesh
 Ms.Naina Gupta

Location Map



Road Hierarchy & Tree Cover Map of Study Area



Landmarks Map of Study Area



Land Use of Study Area



Key Aspects of Study

Mobility,Connectivity,Road Safety Improvement,Improve pedestrian infrastructure,Manage Street parking,Organize street vending space

Location of Study

6 areas in Vijayawada,AndhraPradesh

Issues In The Study Area



Need for Study

As mobility is a growing sector with the contemporary trends to improve the connectivity to every settlement existing and also the planned.We know that the majority of the cities in India are unplanned but enhanced sustainable mobility will be possible only if the existing connectivity,transport and mobility is also improved along with the new developments which occur to enhance the intra connectivity.

To impart students with the skills,knowledge related to traffic,transport planning in this field is the prime focus of the studio.Different primary surveys and analytical studies were carried out in field by the students .

The students were given six different traffic hotspots in Vijayawada to conduct study and come up with interventions to solve the problem of traffic congestion.

Survey Performed / Methodology

STAGE 1: Road Inventory

This is a comprehensive survey which can be used to study the profile of the roads in the area of study features like road/Pavement widths, road pavement types etc. can be studied

● STAGE 2: LandUse Inventory

A land use inventory is a database of the lands and their uses within the study area including both developed and undeveloped land

● STAGE 3: Parking Survey

Local parking surveys typically aim to discern how much parking is provided in a specific study area, how parking is being utilized, and if demand exceeds capacity

● STAGE 4: Pedestrian Count & Perception Survey

○ The pedestrian count is a simple, relatively inexpensive way to measure the volume and direction of pedestrian traffic in the CBD through time and by location.

● STAGE 5: Traffic Volume Count Survey

○ Traffic Volume Count is measured to calculate Level of Service of the road & others like V/C Ratio etc

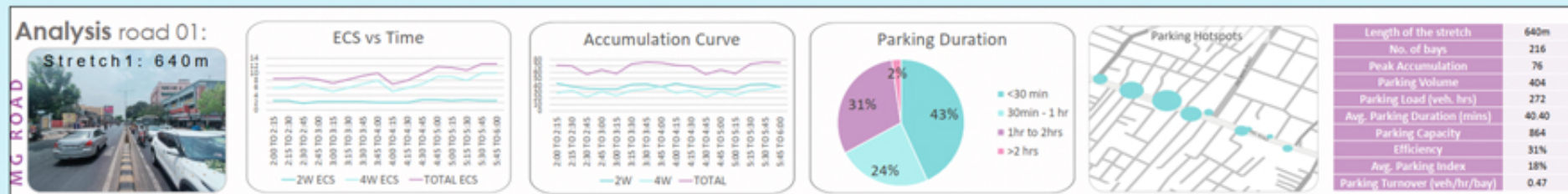
Proposal and Outcome

The expected outcomes from the study are Introduction and area appreciation ,Quantitative analysis of the area,Proposing changes for the existing situation for area

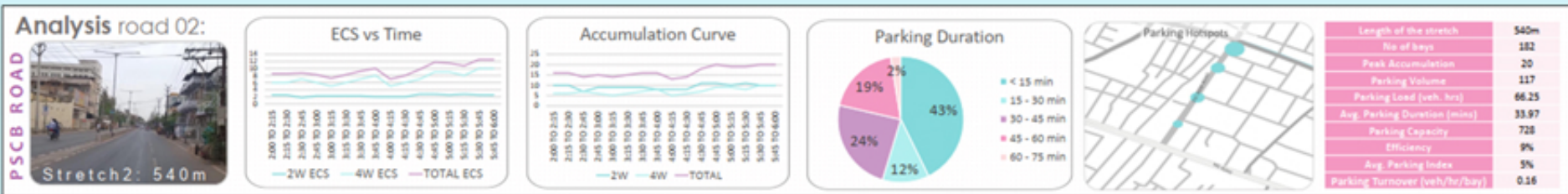
The Process



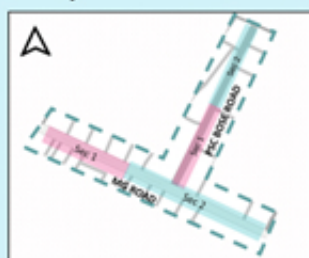
Road Inventory Survey of MG Road



Road Inventory Survey of PSCB Road



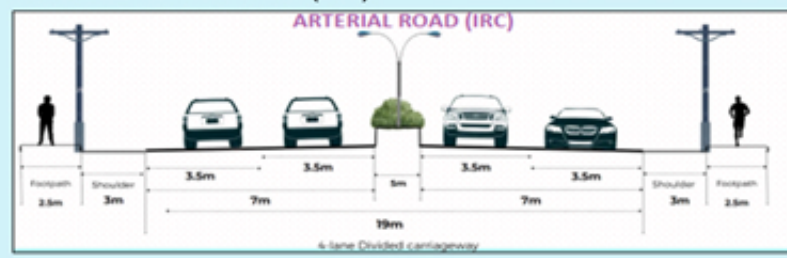
Surveyed Sections Of Roads



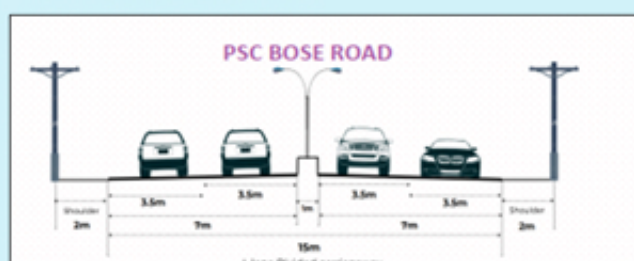
Section Of MG Road



Section Of Arterial Road (IRC)



Section Of PSC Bosc Road



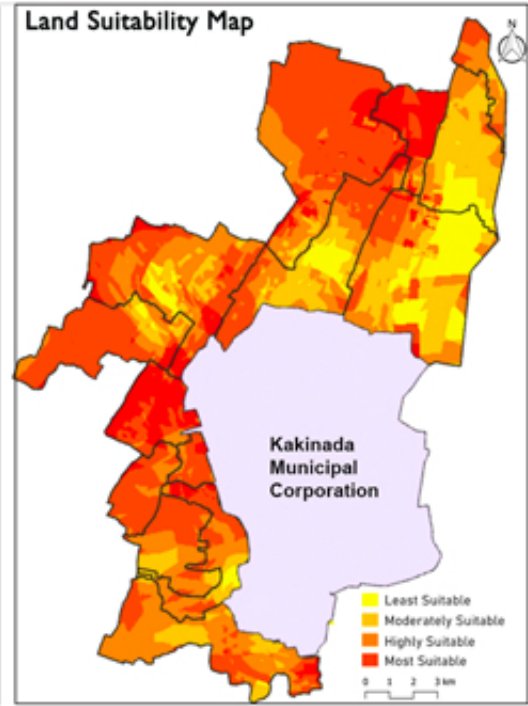
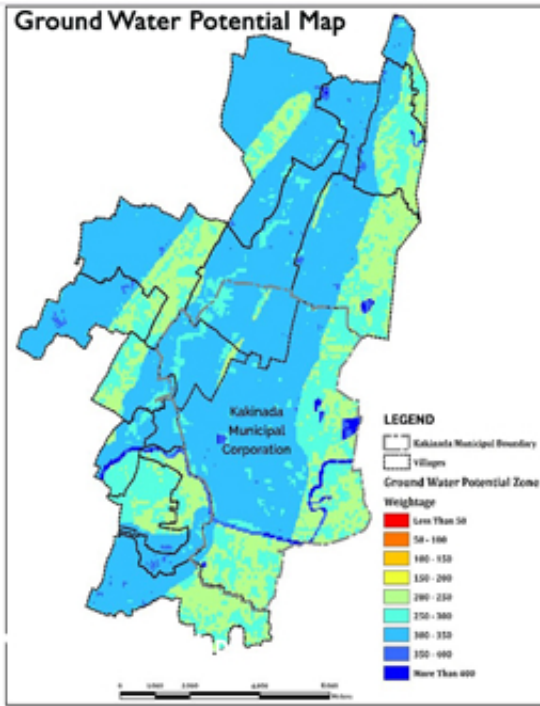
Section Of Sub Arterial Road(IRC)



Land Use Inventory Survey



B.PLAN
 YEAR III - SEMESTER VI
Kakinada Development Plan, 2042
 Mr.Valliappan AL
 Dr.Abdul Razak Mohamed



Key Aspects of Study

- Infrastructure improvements
- Resourceful economic base
- Innovative Infrastructure adaptation.

Location of Study
 Kakinada city, Andhra Pradesh

Need for Study

Kakinada is a Port City with the population of 3,25,985 in the East Godavari District, Andhra Pradesh. It is the 6th largest city in the state of Andhra Pradesh in terms of Population. It is a Municipal Corporation of 1,32,185 Slum Population, which is nearly 40% of the Total Population. There is no ongoing Master Plan for the city but a GIS based base map of existing land use of the Kakinada city was prepared as part of AMRUT scheme.

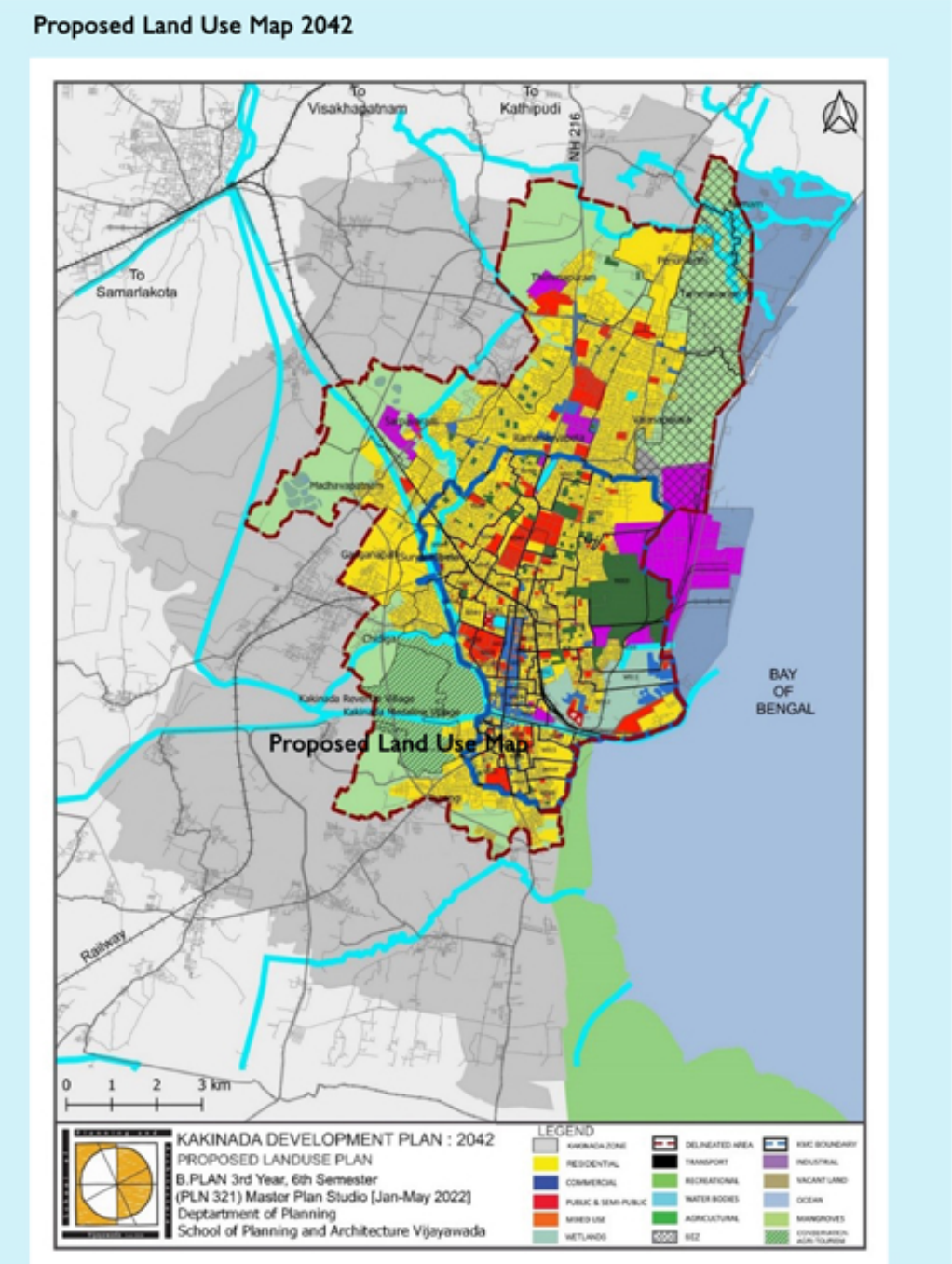
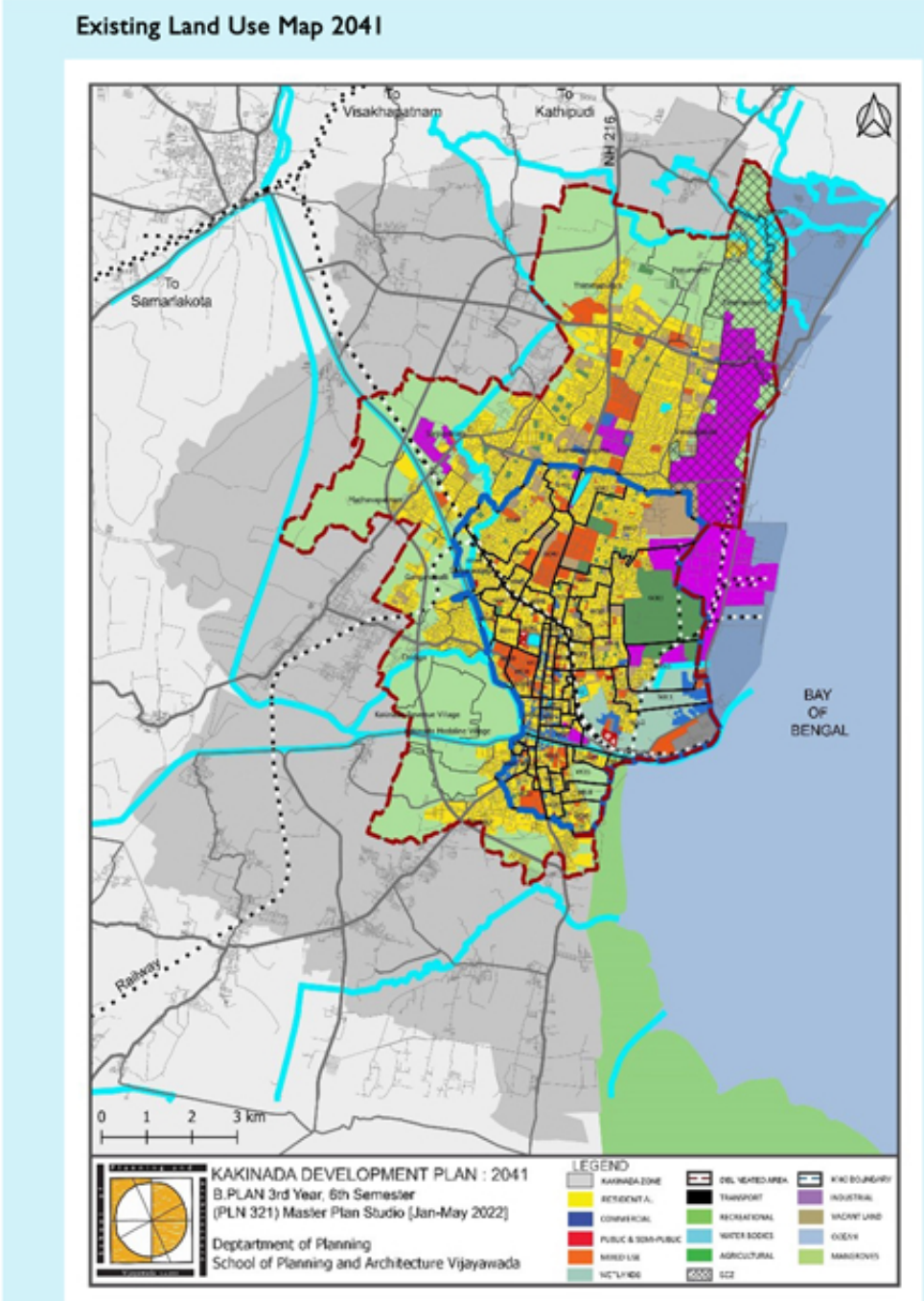
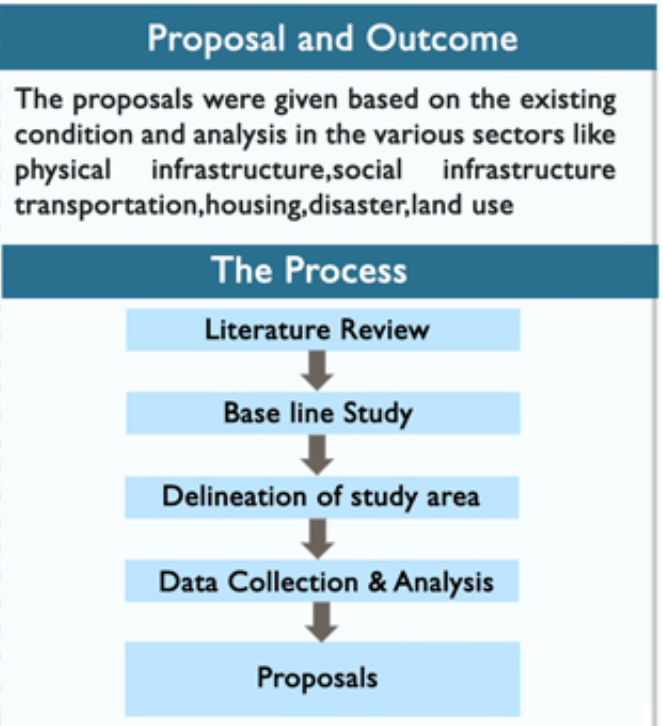
As there is no ongoing Master Plans for the city, and due to the recent district division, which lead Kakinada City to emerge as the District Headquarters of the Kakinada District, there is a need to intervene in this study to ensure proper planned growth of the city.

And it is a city under Smart City Mission which is undergoing rapid development under the scheme. Need and demand based analysis is necessary.

Survey Performed / Methodology

STAGE 1: Analysis (Overall vision and objectives of the development plan are formulated based on secondary data compilation)

- STAGE 2: Sectoral Objectives
 The Sectors are: Demographics, Environment, Industry, Trade and Commerce, Land use, Transportation, Physical Infrastructures, Social Infrastructures, Housing and Governance
- STAGE 3: Data Collection
 o Gathering data by doing online survey and taking people's perception. Getting data related to all infrastructure. Through Secondary Sources such as existing documents and plans of Kakinada
- STAGE 4: Sectoral Analysis & the Projected Needs
 o Projections for population, housing, transportation, social and physical infrastructure and disaster mitigation needs and change of land use through analytical and spatial tools.
- STAGE 5: Development of Vision & Proposals
 Proposals were given sectoral and intersectoral.

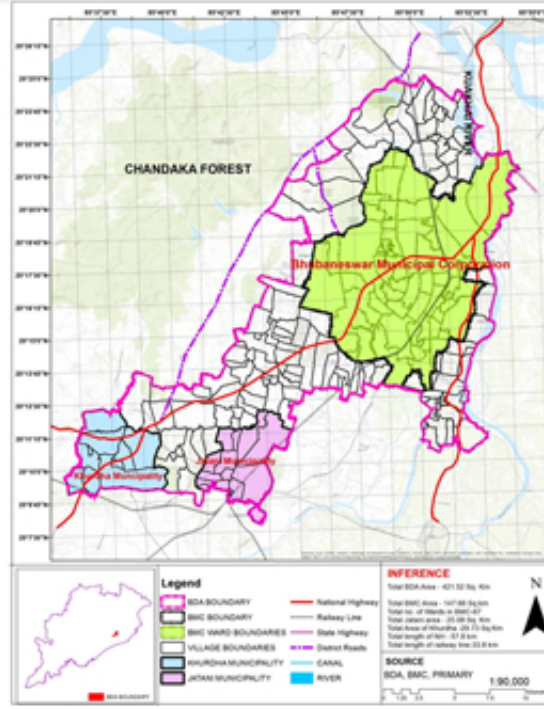


MURP
YEAR I - SEMESTER II
Urban Planning Studio
 Dr.Ayon Kumar Tarafdar
 Dr.Prasanth Vardhan P

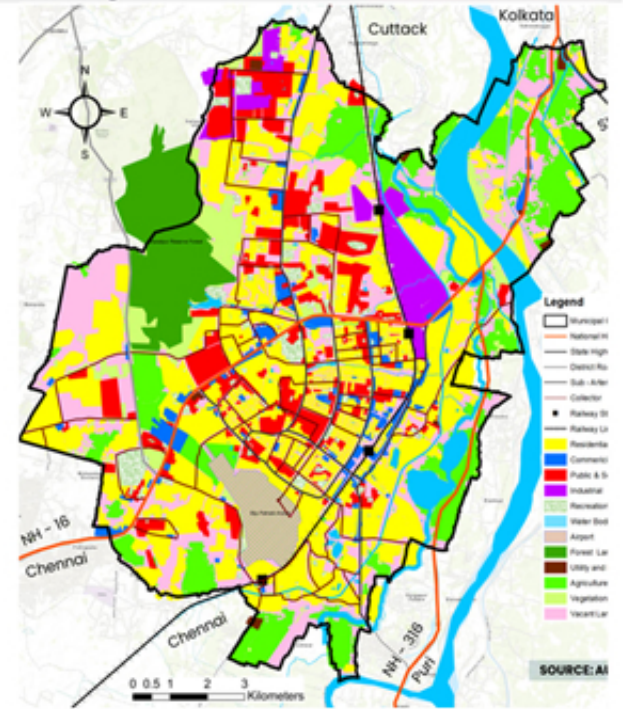
Key Aspects of Study
 Urban Development plan focusing on Concepts of Decentralisation , Eco-sensitivity , Sustainable Co-existence , Equitable Economy, Reimagine & Connect.

Location of Study
 Bhubaneswar City ,Odisha

Base Map of Bhubaneswar City, Odisha



Existing LandUse 2022



Need for Study

This Urban Planning Studio exercise aimed at enabling students to comprehend the issues related to the identified urban area, undertake relevant literature review, conduct field studies, analyse and propose interventions.

The diagram illustrates the studio's approach, starting from identifying 'POTENTIALS' and 'SECTORS', moving through 'CONCEPTS', and finally leading to 'INTERSECTORAL PROPOSALS' and 'SECTORAL PROPOSALS'. It highlights the goal of creating a holistic urban development plan.

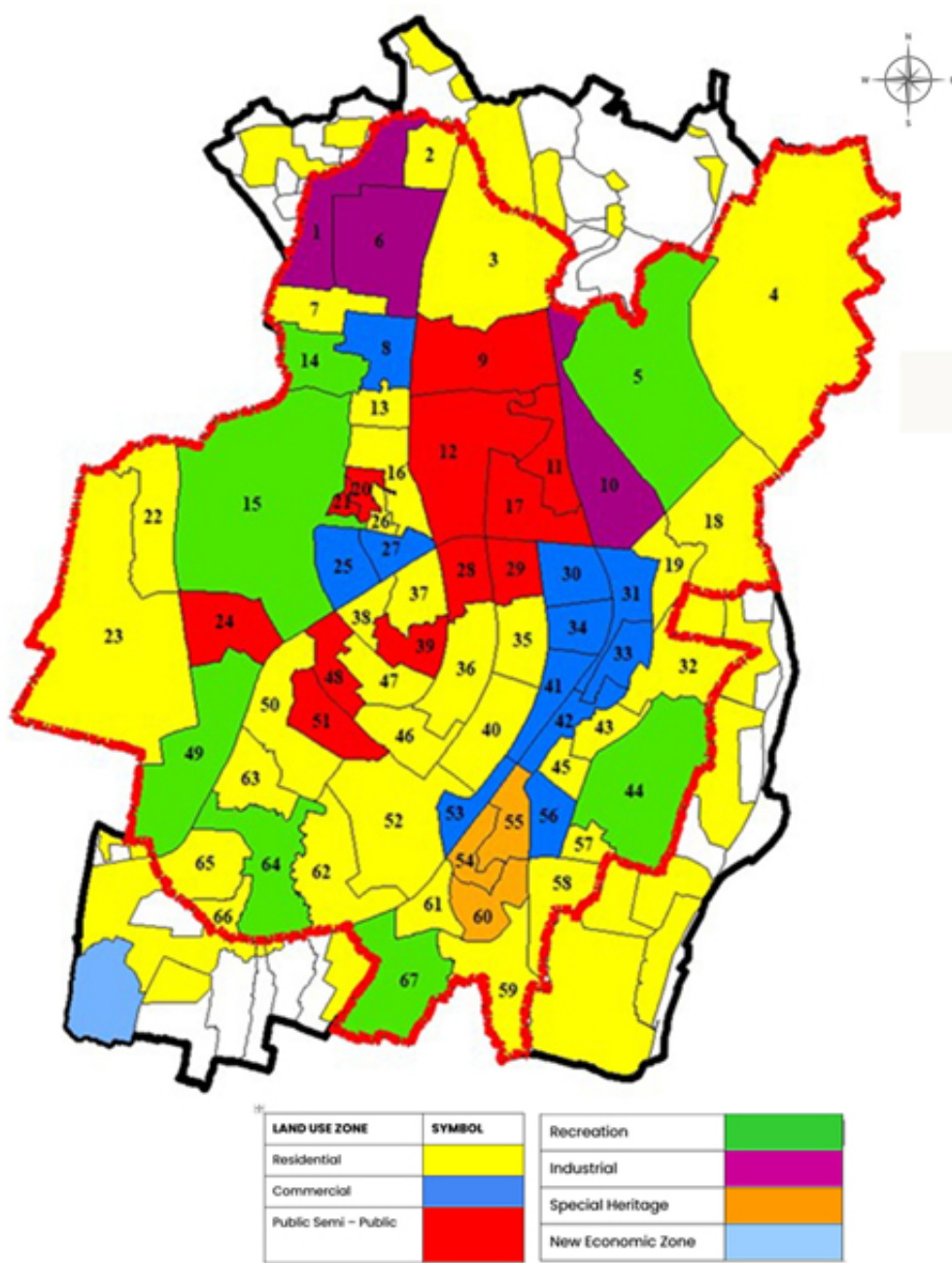
Survey Performed / Methodology

This academic exercise on the preparation of an urban development plan for Bhubaneswar started with an appraisal of the development plans/master plans of Indian cities and international case studies, followed by a review of the city planning concepts & principles. With a set of generic objectives on development plan, the review of the existing and previous master plans, as well as the existing situation assessment of the Bhubaneswar city, was carried out in groups. Based on the identified issues & development potentials, the vision for development plan was formulated. The studio had several interactive sessions, special lectures & expert talks on various aspects of the development plan and approaches, considering them, the aim & objectives of the development plan were finalized by the groups, followed by a detailed sectoral analysis and formulation of concepts. The groups were guided to validate the development issues using applicable planning tools & techniques, & contextualize the concepts and strategies. In addition to the proposed land use plan, 6 Intersectoral and 28 sectoral proposals were proposed.

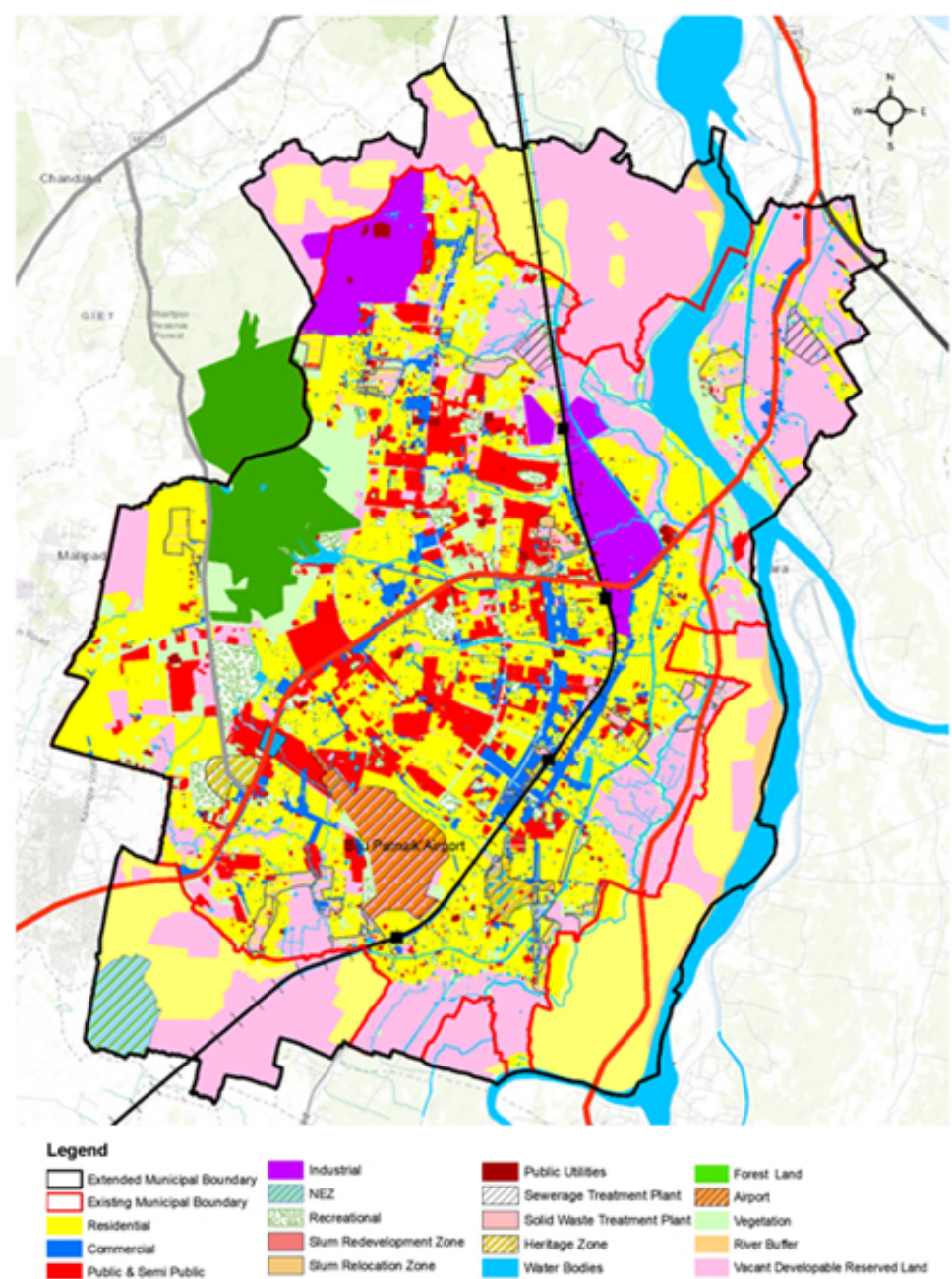
Proposal and Outcome

The Urban Development Plan of Bhubaneswar upon devouring the analysis in details summarises the issues, potentials & findings of each sector to arrive at the major prospects for the proposals to attain a holistic Administrative, Economic and Heritage base in the urban area. There are a Set of Interventions establishing interconnectivity among sectors, addressing diverse issues concerning social and economic aspects. The major identified Inter Sectoral proposals include, Heritage Zone Renewal – Ekamra-Kshetra, Water Sensitive Urban Development, Densification, New Economic Zone, Slum Renewal, Emergency Responsive Planning. The significant proposals addressing the sectoral issues leading towards an effective, enhanced development with strategies and recommendations in a macro and micro level. All the sectors address varied aspects of developments suitable and proposed the major potential for the enhancement of the sector. As such, 28 SECTORAL PROPOSALS have been addressed to specific sectoral development under each sector.

Proposed LandUse zoning Map for 2041



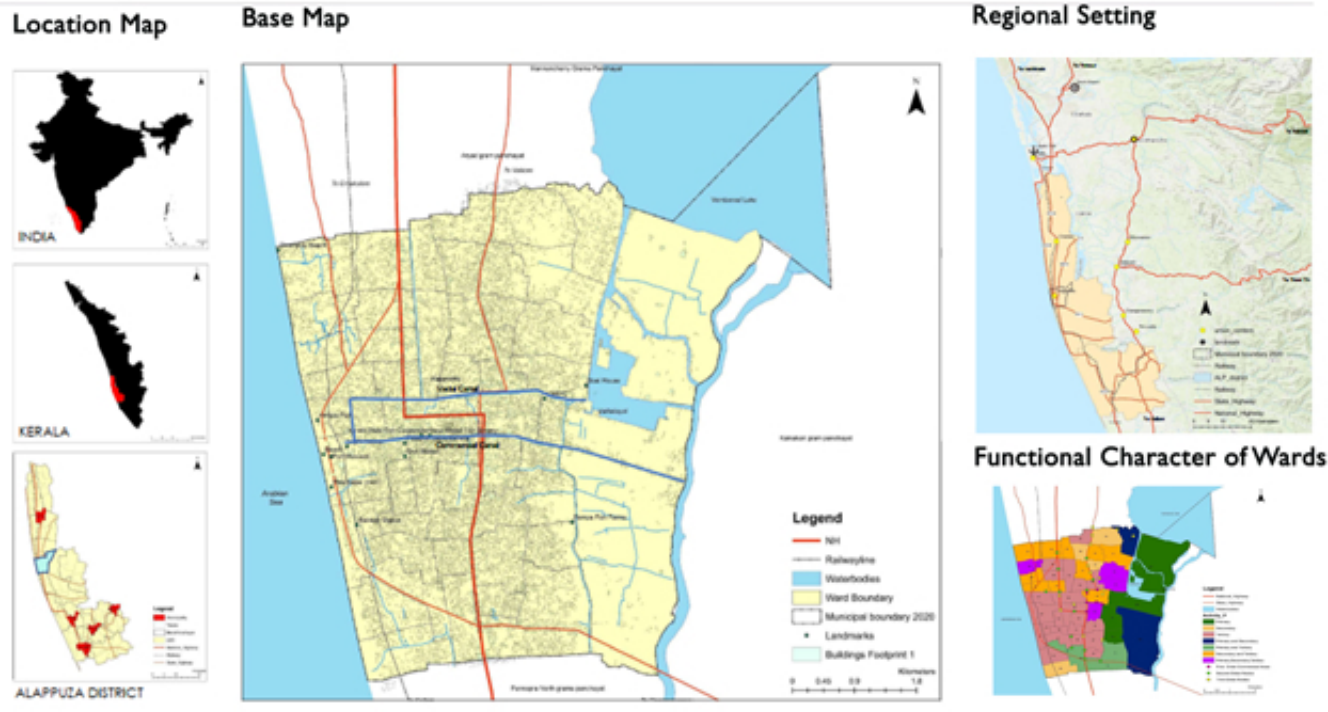
Proposed LandUse Map for 2041



MEPM
YEAR I - SEMESTER II
Sustainable & Resilient Environmental Development Plan
 Alappuzha , Kerala
 Mr.Rajeev R
 Dr.Adinarayanane R

Key Aspects of Study
 Environment development plan, Sustainability, Resilience, Carrying Capacity, Composite vulnerability, Eco sensitivity, pollution.

Location of Study
 Alappuzha , Kerala



Need for Study

The overuse of diverse natural resources by humanity, which is on the cusp of economic progress, could again have an impact on humanity through numerous disasters. Only through fostering sustainable development—a dedication to social advancement, environmental balance, and economic growth—can the problems, such as climate change, water scarcity, inequality, and hunger, be handled on a global scale. Lack of resilience requires a population to prioritize immediate needs and take drastic measures to survive and minimize damage; this reactive behavior ultimately limits the population's capacity to think about and achieve long-term sustainability. Therefore, a development plan that doesn't hurt the environment is needed.

An extensive literature study has been carried out at the initial stage focusing on the key concepts, case studies, sustainable concepts to come up with the need of the study.

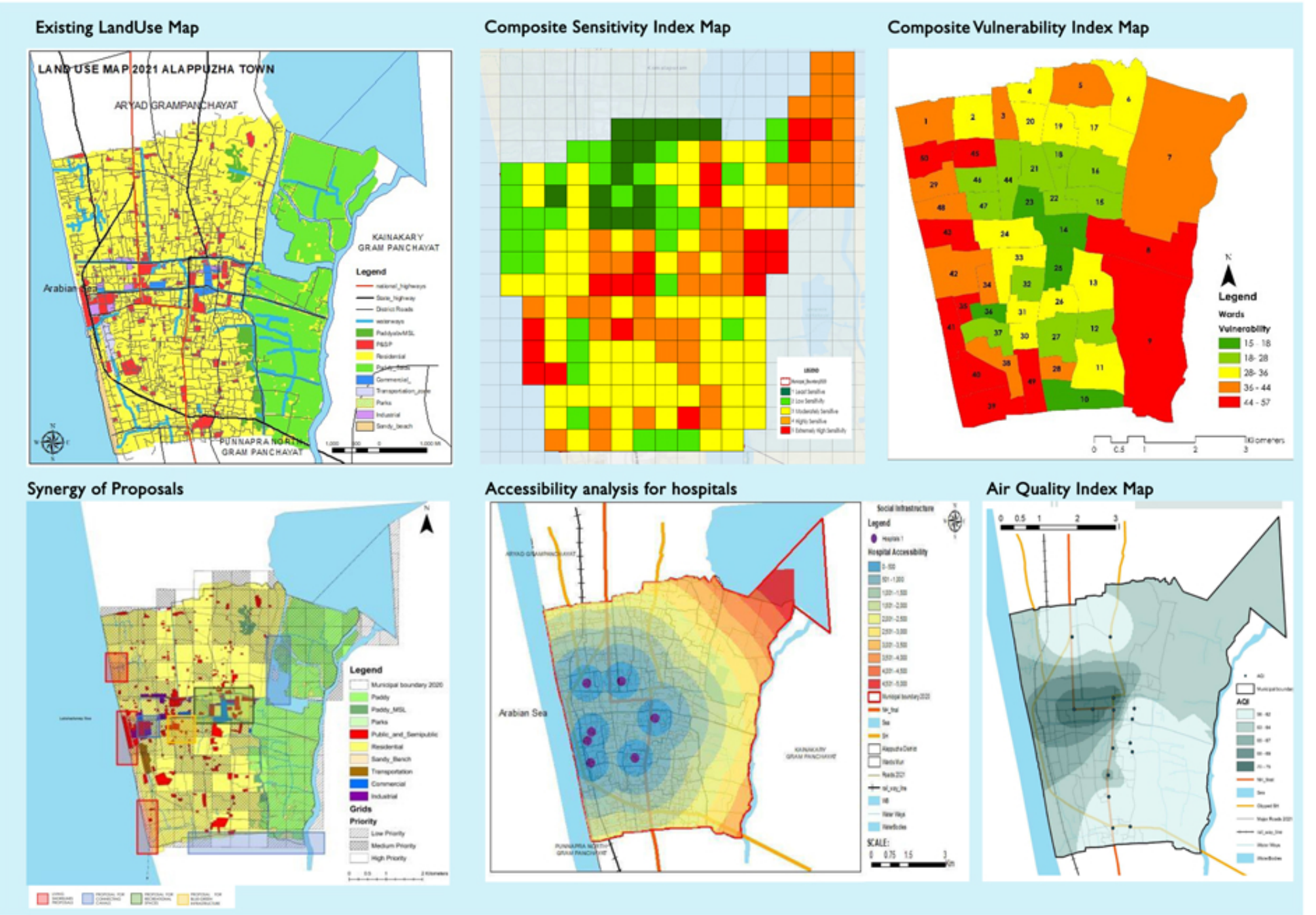
Survey Performed / Methodology

In this exercise, the students analysed the existing scenario through study of all the aspects of environment related using analysis like urban carrying capacity, environmental carrying capacity, vegetation biodiversity, geomorphology, ground water, social vulnerability index, environmental vulnerability index, economic vulnerability index. which helps to quantify the environmental issues based on the dynamics of the city. At the last, final composite vulnerability index helps in integrated assessment of the study area.

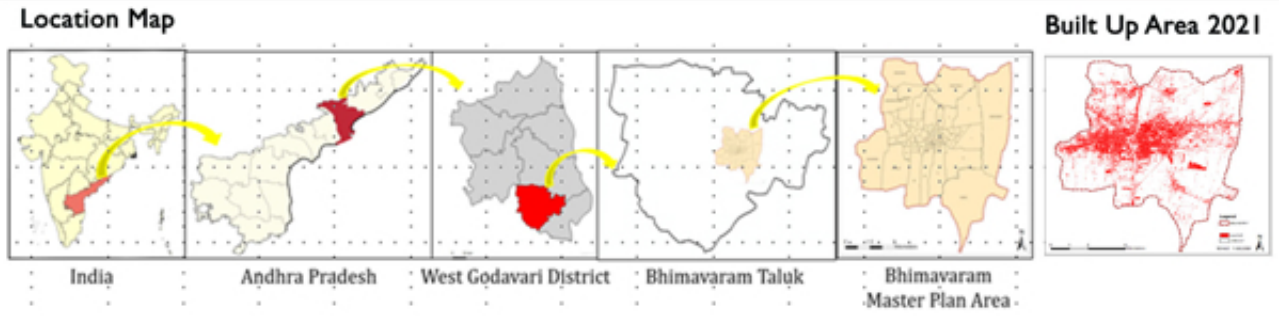
Composite vulnerability assessment analysis helps to get an overall enhanced view of the study area. Sectorwise analysis is also done to come up with integrated strategies, recommendations, proposals, cross sectoral also. Literature study, detailed case study learnings have been very helpful for the further progress of the studio exercise. The main aspects like impact of development sectors on the urban environment are studied in detail to come up with a detailed framework of proposals.

Proposal and Outcome

The Alappuzha environment development plan summarizes the issues, potentials, and discoveries of each sector after consuming the detailed investigation to produce solutions to the problems. The proposals' main goal is to increase the city's resilience by encouraging balanced expansion and development that can be supported by suitable infrastructure in a way that improves the viability of the city over the long term as determined by its social, economic, and environmental aspects. The first plan focuses on wetland conservation and management, which entails reassessing land use restrictions surrounding wetlands and revitalizing canal ways in order to maintain natural systems. Hazard management is the next step, where it is explored how to use blue-green infrastructure to lower flood risks in flood-prone areas and how to suggest actions to improve responsiveness when floods come. Following this are socioeconomic development, infrastructural improvement, a resilient land-use plan, and suggestions for tourism circuits to stimulate the economy.

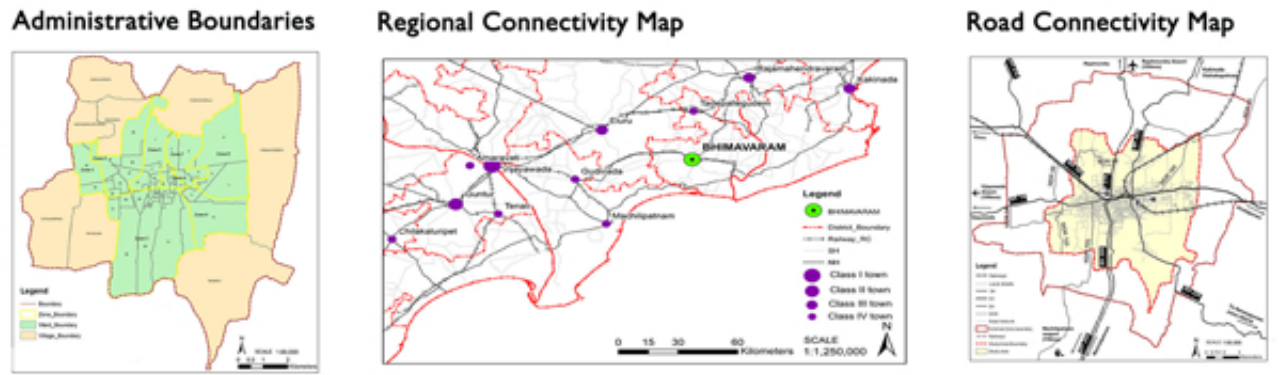


MTIP
YEAR I - SEMESTER II
Comprehensive Mobility Plan
 Bhimavaram, Andhra Pradesh
 Ms.Naina Gupta
 Dr.Arpan Paul Singh



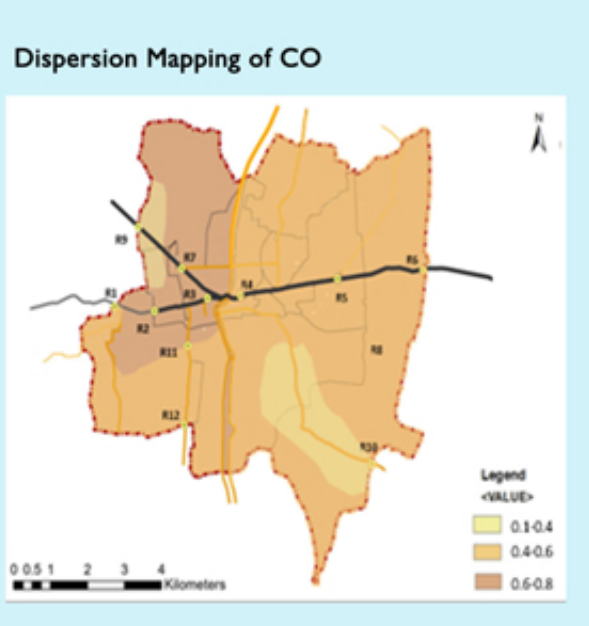
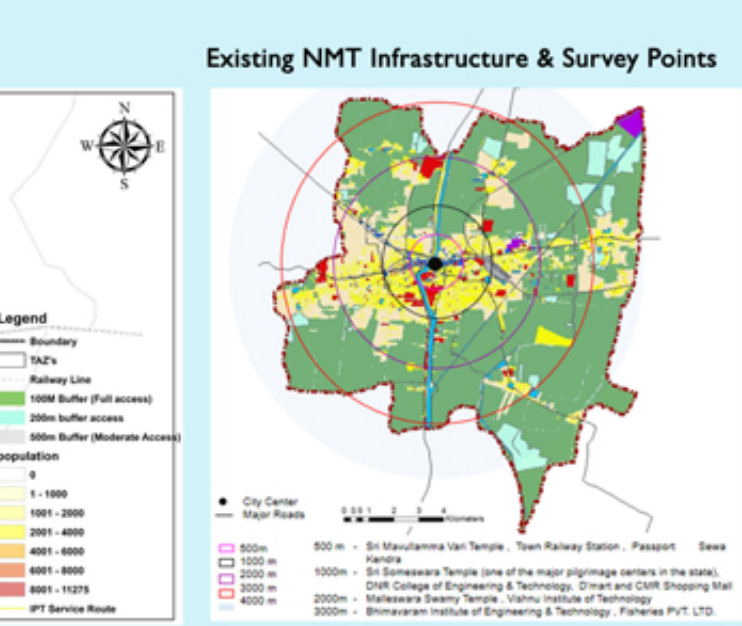
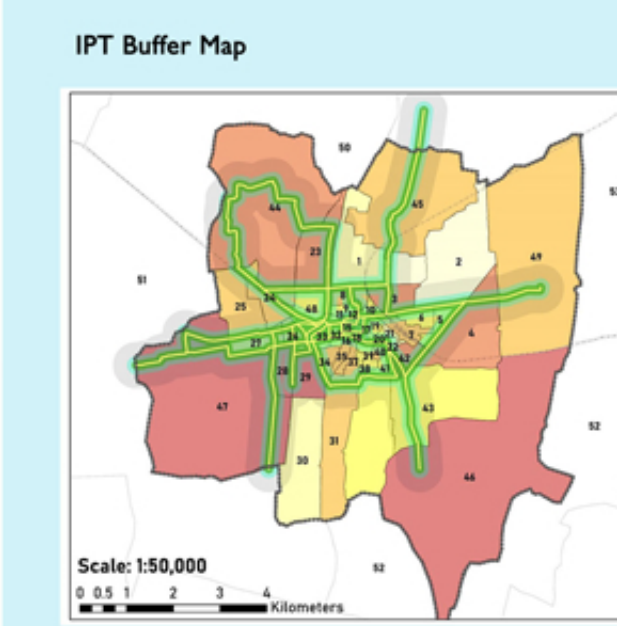
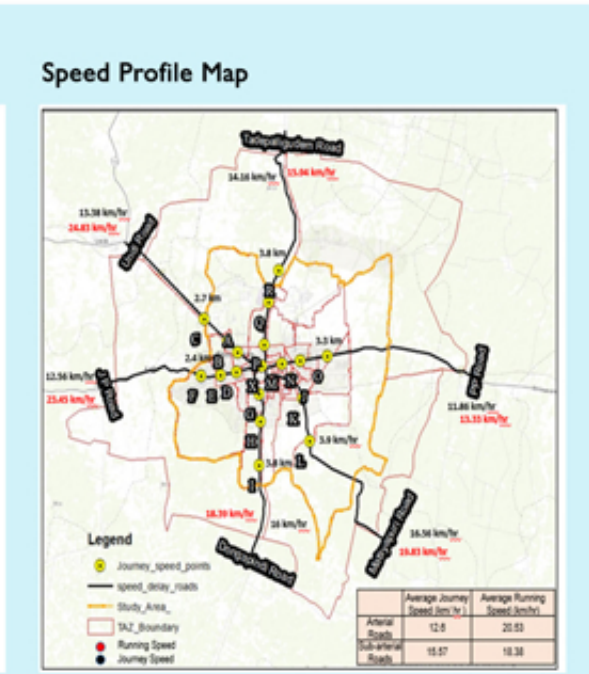
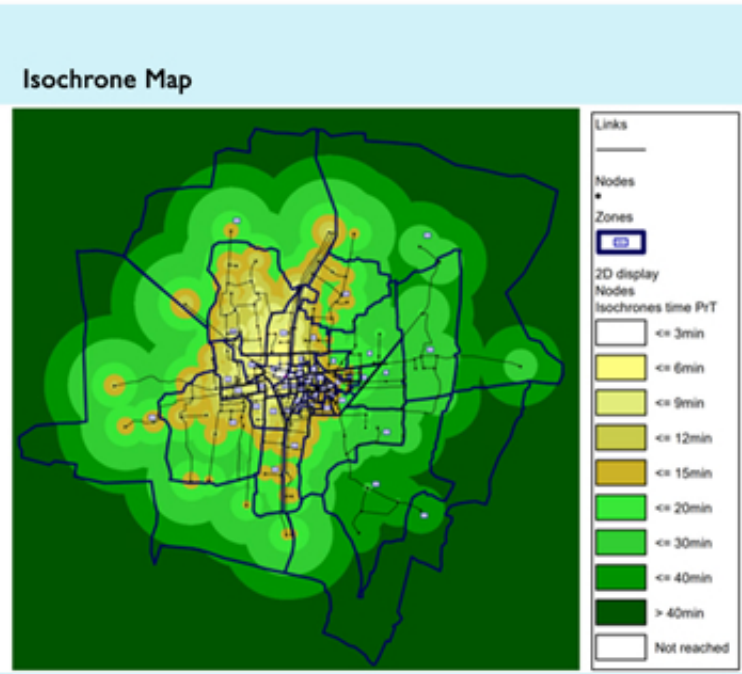
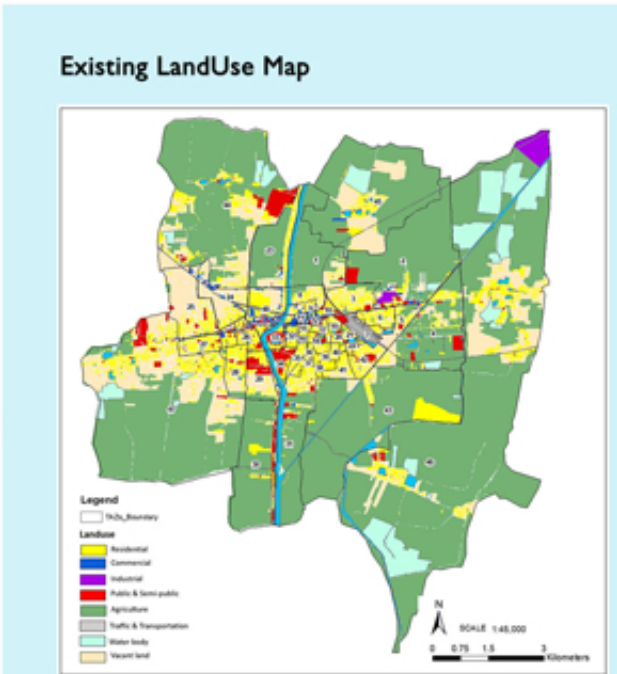
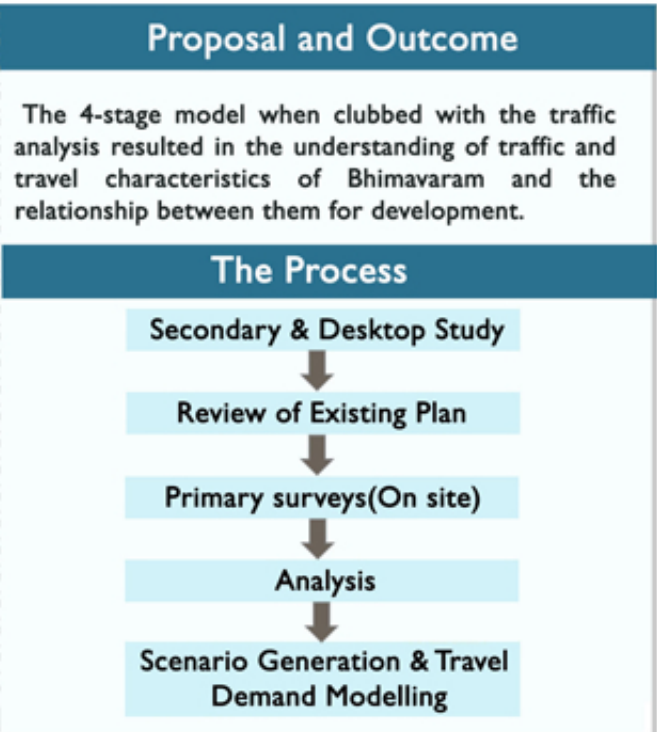
Key Aspects of Study
 Introduction and development of PT corridor/
 Land-use Transport integration/ Environmental
 studies of road corridors/ NMT circuits

Location of Study
 Bhimavaram ,AndhraPradesh



Need for Study
 The studio aims to inculcate the students with a detailed understanding of necessary primary and secondary surveys and process of data collections and analysis that a transport planner is required to carry out in order to develop the Travel Demand Modelling for a city and apply it to prepare a Comprehensive Mobility Plan.
 A comprehensive mobility plan (CMP) prepared for a city is a technical document containing short-, medium- and long-term schemes and action programs for the mobility of the people and goods. The CMP will cover all the different aspects of transport such as IPT, Public Transport, NMT using Travel Demand Modelling in a comprehensive and inclusive manner for any given urban area.
 The CMP provides a stronghold justification to the government and the multilateral funding agencies for investing in any transport improvement proposals and it is meant to arrive at a safe, secure reliable and seamless mobility and enhance economic, social and environmental sustainability

Survey Performed / Methodology
 In this exercise, the students analysed the existing scenario through study of all the aspects of transportation such as Network analysis, Land Use, Traffic and Travel characteristics, Public Transport and Intermediate Para Transit, Parking and Terminal and the Non-motorised Transport. The CMP exercise also has the addition of environmental study of the traffic and network characteristics of the city and its impact of the air pollution. The household data collected were used in devising a Trip Production equation as well as the Mode Choice modelling using probabilistic approach Multinomial Logit method. The Trip Attraction methods integrated land use and transport planning through establishment surveys which provided us with the Trip Attraction Rate. The results of the first step of the Travel Demand Modelling was then validated using the Traffic Volume study. The Trip distribution was carried out using disaggregate method using the PTV VISUM package. The Mode Choice Model was developed at this stage using which the Trip Assignment was carried out for the two different scenarios.



B . PLAN

1

st Year

BATCH
2021-2025



2

nd Year

BATCH
2020 - 2024



3

rd Year

BATCH
2019 - 2023



4

th Year

BATCH
2018 - 2022



M . PLAN

I YR

2021-2023

MURP

II YR

2020-2022



I YR

2021-2023

MTIP

II YR

2020-2022



I YR

2021-2023

MEPM

II YR

2020-2022



Faculty Achievements & Publications

- Dr. Abdul Razak Mohamed (2022) Organizing Secretary conducted Science Week Festival between 22-2-2022 to 28-02-2022 Vigyan Sarvatra Pujiate, Festival of Scope for All, Organized by the School of Planning and Architecture an one among the 75 centers in India as a part of the Azad Ki Amrut Mahaustau
- Dr. Abdul Razak Mohamed (2022) Organized Special Lecture "Urban and Rural Governance in India". On 19-04-2022 @ 02:00 PM to 04:00 PM. the expert speaker Dr. M. Ramachandran, IAS (Rtd.) Secretary Ministry of Urban Development and Poverty Alienation, Government of India, Janatha Road, Vyttila, Ernakulan, Kochi, Mail Id: mramachandran@hotmail.com
- Dr. Abdul Razak Mohamed (2022) Organized Special Lecture "Urban Mobility –Issues and Prospects On 16-05-2022 @ 02:00 PM to 04:00 PM. the expert speaker Prof Rangathan Former Head Department of Transport Planning School of Planning and Architecture New Delhi.
- Dr. Abdul Razak Mohamed (2022) Attended Online Webinar on "The Streetlight Infrastructure...The New Face of Public Safety on Jun 7, 2022 04:00 PM London organized by the Smart cities world in association with ubicquia
- Dr. Abdul Razak Mohamed (2022) presented paper: "STRENGTHENING LOCAL GOVERNMENT IN INDIA BY DEMOCRATIC GOVERNANCE WITH SOCIAL JUSTICE AS A TOOL TOWARDS ACHIEVING INCLUSIVE CITY " based on GPEIG call for abstracts ACSP 2022 International Conference on "Planning in the Inclusive City in the Face of Socio-Legal Exclusion
- Dr. Abdul Razak Mohamed (2022) Attended Online Webinar on "We Maximizing Micro mobility: Linking Bike share and Public Transport in Jakarta and Chennai, by ITDP May 11, 2022 08:00 AM Eastern Time
- Dr. Abdul Razak Mohamed (2022) Self Explanatory note (one page) on the Regional centre for Excellence in Urban Planning and Design as per the Budgetary Announcements, Submitted to the Town and Country Planner TCPO, Ministry of Housing and Urban Affairs. Government of India during March 2022.
- Dr. Abdul Razak Mohamed (2022) Obtained Member (Three Years) with the ISO-CARP, The international association of Urban and Regional Planners
- Dr. Abdul Razak Mohamed (2022) External Examiner for Evaluation of Ph.D Thesis titled "Developing a Framework for Evaluating Conviviality of Public Open Spaces in an Indian City- A Case of Bhopal" Ms. Leena Thombre (Scholar No. 143209003). CoE MANIT Maulana Azad National Institute Technology Bhopal 462003 India 13-6-22
- Dr. Abdul Razak Mohamed (2022) Academic Audit of the Planning Report of the Department of Planning Engineer College of Pune, June 22
- Dr. Abdul Razak Mohamed (2022) Examiner Evaluation of PhD thesis of Ms. Kaaviya (18902018) titled "Planning for optimal water resilience in Chennai City" Prof. Apurbba Kumar Sharma, Ph D, FIE, Dean of Academic Affairs, Indian Institute of Technology Roorkee, Roorkee, India - 247 667, March 22 –April20 22
- Dr. Abdul Razak Mohamed (2022) Member of the INTERVIEW Committee FOR DESIGN AND PLANNING CANDIDATES ON 09.06.2022, 10am - 6pm by the Hindustan Institute of Technology and Science (HITS), School of Planning, Architecture and Design Excellence (SPADE) June 22
- Dr. Abdul Razak Mohamed (2022) As Chief Guest invited by the Gora Science Centre, Arthic Samatha Mandal, Vijayawada deliver the chief guest address on Water Conservation Role of Individual and Families, at the World Water Day 22 on March 22
- Dr. Abdul Razak Mohamed (2022) As Guest speaker during World Water Day 22 on 23 March at the P.B Siddatha College of Art & Science, Dept of Chemistry in association with Water Conservation Club during 10am
- Dr. Abdul Razak Mohamed (2022) Dr. YSRAF University, Kadappa, Dept. of Planning – Chairman and External Member of Board of Studies Revise B.Tech in Town Planning and M.Tech in Urban and Regional Planning Course Syllabus formation and attend Meeting Online towards Revised Syllabus attended on 18/05/2022, 03:00 PM
- Dr. Abdul Razak Mohamed (2022) Member of Board of Studies, (2022-23) Department of Sociology, University of Madras Chennai Tamil Nadu
- Dr. Abdul Razak Mohamed (2022) Member of Board of Studies, (2022-23) School of Planning and Architecture, University of Mysore, Karnataka
- Abdul Razak Mohamed (2022) Member of Board of Studies, (2022-23) Department of Town Planning, Dr YSR University, Andhra Pradesh
- Dr. Abdul Razak Mohamed (2022) Government of Andhra Pradesh appointed as a Member of the High Power Committee on "Re Engineering and Strengthening Urban Government Structure in the state of Andhra Pradesh during March 22
- Dr. Abdul Razak Mohamed (2022) Invited talk on "CONVERGENCE WITH LIVELIHOOD" Points discussed during the Policy Dialogue for Beyond PMAY(U), organized by the Ministry of Housing and Urban Affairs, Government of India ONLINE (11.00am) during 07-03-2022
- Dr. Abdul Razak Mohamed (2022) Invited Talk during the virtual program on " Sustainability Speaks Series Talk #2 : 'Chennai's Journey towards Sustainable Transportation' - scheduled on 24th June, between 04.30 pm and 5.30 pm. Organized by the Madras chamber, Chennai
- Dr. Abdul Razak Mohamed (2022) JLL India appointed as "Social Expert" for Consulting Services to Assess the Feasibility and Assist in the Preparation of Energy Efficient Affordable Housing Projects in Tamil Nadu. MRICS, Senior Director – Strategic Consulting, Head –Government and Infrastructure Solutions, India JLL Chennai Office, June 22 Social Expert Consultancy Service
- Dr. Abdul Razak Mohamed (2022) Invited expert speech during the "URBAN PLANNING AND DEVELOPMENT REFORMS, Regional Webinar: South Zone - Andaman & Nicobar Islands, Andhra Pradesh, Tamil Nadu, Kerala, Karnataka,, Puducherry and Telangana on 14-03-2022 (Monday),11.00am to 12.30pm organized by the Ministry of Housing and Urban Affairs Government of India
- Dr. Abdul Razak Mohamed (2022), Invited Talk (Online) on the topic of "Developing Questions for Field Survey of Research " on 29th January 2022, at the Workshop on Questionnaire design & Data Collection organized by SPADE, School of Planning, Architecture and Design Excellence. Hindustan Institute of Technology and Science, Chennai
- Dr. Abdul Razak Mohamed (2022), Invited talk on "CONVERGENCE WITH LIVELIHOOD" Points discussed during the Policy Dialogue for Beyond PMAY(U), organized by the Ministry of Housing and Urban Affairs, Government of India ONLINE (11.00am) during 07-03-2022
- Dr. Abdul Razak Mohamed (2022), Invited Talk during the virtual program on " Sustainability Speaks Series Talk #2 : 'Chennai's Journey towards Sustainable Transportation' - scheduled on 24th June, between 04.30 pm and 5.30 pm. Organized by the Madras chamber, Chennai
- Dr. Ayon Kumar Tarafdar Delivered Invited Opinion Talk on "PMAY and Beyond - Convergence with Livelihood Program" to officials of Ministry of Housing and Urban Affairs, Govt of India, Delhi. Talk was titled as "Vulnerabilities, Informal Urban Housing and Livelihoods - How Linked are they?" and delivered on 07.03.222.
- Dr. Ayon Kumar Tarafdar Certificate awarded for successfully completing the course and on "Financial institutions and Markets" conducted by AICTE and NPTEL Faculty Development Programme. The online examination held on April 2022.
- Dr. Ayon Kumar Tarafdar certificate awarded for successfully completing the course and on "Financial Statement analysis and reporting" conducted by NPTEL. The online examination held on April 2022.
- Dr. Ayon Kumar Tarafdar certificate(Elite) awarded for successfully completing the course on "Introduction to Econometrics" conducted by NPTEL. The online examination held on April 2022.
- Dr. Ayon Kumar Tarafdar certificate of appreciation was issued for becoming NPTEL Star/Believer by NPTEL and Swayam institutions for the period Jan 2022 to May 2022.

Faculty Achievements & Publications

• Dr. Ayon Kumar Tarafdar certificate (Elite-Silver) awarded for successfully completing the course on "Environmental Impact Assessment" conducted by NPTEL. The online examination held on April 2022.

• Dr. Adinarayanane Ramamurthy (2022), Invited Special Lecture on "Evaluation methods for Resilience in City Planning" as a part of Six-day e-Workshop on "Sustainable Built Environment in Hills" (SBH-2021), between September 11-15, 2021, Organized by Department of Architecture, National Institute of Technology Hamirpur, Himachal Pradesh

• Tania Berger, Faiz Ahmed Chundeli, Rama Umesh Pandey, Minakshi Jain, Ayon Kumar Tarafdar, Adinarayanane Ramamurthy, "Low-income residents' strategies to cope with urban heat - Findings from India and Austria", technical paper published in Land-use Policy, ISSN: 0264-8377, The International Journal Covering all aspects of Land Use, ELSEVIER Publication.

• Kusum Lata, Shovan K. Saha, Adinarayanane Ramamurthy, Faiz Ahmed Chundeli "Smart Global Megacity: Chennai Sustainable Development Framework", book chapter (pp 193-246), Vinod Kumar T. (eds) Springer Nature, Smart Global Megacities, Advances in 21st Century Human Settlements, https://doi.org/10.1007/978-981-16-2023-2_4, Springer Nature, Singapore Pte Ltd, published in June 2021 which is indexed in Web of Science/ Scopus.

• Lata K., Chundeli and Adinarayanane Ramamurthy, "Smart Master Plan and 3D GIS Planning Support system—A Case of Chennai City, Tamil Nadu, India", book chapter (pp 111-143), Vinod Kumar T. (eds) Springer Nature, Smart Master Planning for Cities, Advances in 21st Century Human Settlements, https://doi.org/10.1007/978-981-19-2564-1_3, Springer Nature, Singapore Pte Ltd, published in June 2022 which is indexed in Web of Science/ Scopus.

• Dr. Adinarayanane Ramamurthy (2021) Presented "Green and Blue Infrastructure (GBI) for Climate Responsive Planning- A Case of Navi Mumbai City, India" in 11th International Conference of the International Society for the INTEGRATED DISASTER RISK MANAGEMENT, Organized by Disaster Prevention Research Institute and Kyoto University, Kyoto, JAPAN during 22-24 September 2021.

• Dr. Adinarayanane Ramamurthy (2021) Presented "Low-income residents' strategies to cope with urban heat - Findings from India and Austria" in 11th International Conference of the International Society for the INTEGRATED DISASTER RISK MANAGEMENT, Organized by Disaster Prevention Research Institute and Kyoto University, Kyoto, JAPAN, during 22-24 September 2021.

• Engaged students in Research and Field based learning activities under the Smart Cities and Academia towards Action & Research (SAAR) Project, Ministry of Housing and Urban Affairs, Government of India between Dec 2021- Jan 2022.

• Dr. Adinarayanane Ramamurthy (2021) Presented "Role of Cultural Heritage in Conservation of Natural Environment amongst the Indigenous Communities of Kullu Region, Himachal Pradesh, India" in 11th International Conference of the International Society for the INTEGRATED DISASTER RISK MANAGEMENT, Organized by Disaster Prevention Research Institute and Kyoto University, Kyoto, JAPAN, during 22-24 September 2021.

• Dr. Adinarayanane Ramamurthy Organised Final BREUCOM Conference on Resilience in Planning and Architecture between 22/09/2021 to 23/09/2021

• Dr. Adinarayanane Ramamurthy (2022), Invited Public Lecture on "Urban Governance and Development Management" as a part of conference "Exploring Urban Planning Prospects in Architectural Design Studios – An Integrated Approach towards establishing Liveable Cities (12/08/2021)" organised by Council of Architecture online training program in collaboration with Nehru School of Architecture, Coimbatore, Tamil Nadu

• Dr. Adinarayanane Ramamurthy (2022), Invited Special lecture on the topic "Multidisciplinary Research in Planning" as a part of conference "The National Education Policy, Sustainable Change Management in Planning and Architecture"- between October 04-08, 2021 Organized jointly by the All India Council for Technical Education – Training and Learning (ATAL) Academy, New Delhi and by SPA Vijayawada.

• Mr. J. M. Bhagwat Presented paper on 'Ecological Consciousness and Dharma Centric Economic Vision in Contemporary Contexts of Global Warming and Sustainable Development' at IAS, Rashtrapati Niwas, Shimla, Winter School on – "Arthaayaama" (1-15 Dec. 2021)

• Mr. J. M. Bhagwat hosted guest Lecture by Dr. Kashma Gupta, ISRO related to Green spaces

• Mr. J. M. Bhagwat hosted guest Lecture by Dr. Shubhajit Sadhukhan, IIT Roorkee related to Sustainable Transport Planning.

• Mr. J. M. Bhagwat hosted guest Lecture by Mr. Sairam Dasari, SPA Delhi related to Basics in Transportation Mapping.

• Mr. J. M. Bhagwat hosted guest Lecture by Dr. Nagendra Velaga, IIT Bombay related to Transport Economics.

• Mr. J. M. Bhagwat attended Winter School at IAS, Rashtrapati Niwas, Shimla on – "Arthaayaama" (1-15 Dec. 2021)

• Mr. J. M. Bhagwat attended Faculty development programme dt. 08 - 13 August 2021 related to 'Smart Cities-Opportunities and Challenges' by DCRUST Murthal.

• Mr. J. M. Bhagwat attended Faculty development programme dt. 20 - 24 August 2021 related to 'Introduction to Electric Vehicles' by OIST, Bhopal.

• Dr. Prasanth Vardhan received the Certificate of Appreciation from All India Council for Technical Education, ATAL Academy for the Online FDP on NEP – Sustainable Change Management in Planning and Architecture.

• Dr. Prasanth Vardhan presented a paper titled "Identifying the parameters influencing the adoption of electric intermediate public transport: a case of Gwalior city" in International Conference on Smart Cities and Sustainable Planning (SCSP), 26-27 June 2022; Jain .J, Sai Vs, Vardhan .PV

• Dr. Prasanth Vardhan organised a Special Lecture on Land Development Models, Empirical Evidence and Challenges ; A case of Navi Mumbai and Amaravati by Dr. Suresh Babu for MURP I Year II Semester Students on 17 March, 2022.

• Dr. Prasanth Vardhan attended the online webinar on Role of City Planning in the Mitigation of Extreme Heat by Dr. Rajashree Kotharkar on 27 April, 2022 organised by Integrated Research and Action for Development (IRADe)

• Dr. Prasanth Vardhan organised a Special Lecture on Land Development Models, Empirical Evidence and Challenges ; A case of Navi Mumbai and Amaravati by Dr. Suresh Babu for MURP I Year II Semester Students on 17 March, 2022.

• Dr. Prasanth Vardhan organised an online Special Lecture on Town Planning Schemes and Urban Renewal, Lessons for Indian cities by Ar Ganesh A for B. Plan II Year III Semester Students on 25 March, 2022

• Dr. Prasanth Vardhan attended an online summary meeting on Smart cities and Academia towards Action & Research held on 06 January 2022 organised by Smart Cities Mission, MoHUA, Gol.

• Dr. Prasanth Vardhan attended the online Panel Discussion on the new Urbanisms of China and India on 03 March, 2022 organised by the India China Institute (ICI)

• Dr. Prasanth Vardhan attended the online webinar on GIS based Master Plan on 08 March 2022 organised by Association of Municipalities and Development Authorities

• Dr. Prasanth Vardhan presented the conceptual road network plan for 29 villages in CMDA to the Member Secretary, Chennai Metropolitan Development Authority (CMDA) on 03 March 2022; Vardhan .PV, Mohamed .AR

• Mr. Valliappan AL was awarded certificate for successfully completing the course and on "Financial institutions and Markets" conducted by AICTE and NPTEL Faculty Development Programme. The online examination held on April 2022.

• Mr. Valliappan AL was awarded certificate for successfully completing the course and on "Financial Statement analysis and reporting" conducted by NPTEL. The online examination held on April 2022.

Faculty Achievements & Publications

- Mr. Valliappan AL was awarded certificate(Elite) for successfully completing the course on "Introduction to Econometrics" conducted by NPTEL. The online examination held on April 2022.
- Mr. Valliappan AL was awarded Certificate(Elite-Silver) for successfully completing the course on "Environmental Impact Assessment" conducted by NPTEL. The online examination held on April 2022.
- Mr. Valliappan AL was issued Certificate of appreciation was for becoming NPTEL Star/-Believer by NPTEL and Swayam institutions for the period Jan 2022 to May 2022.
- Mr.Sreekanth Satheesh attended the online program (E-workshop) "Data Analysis with SPSS" held between 7th to 8th May 2022. Held by Commacad.
- Mr.Sreekanth Satheesh • Conducted online guest lecture by "Town Planning Schemes and Urban Renewal, Lessons for Indian cities" by Mr. Ganesh Ahire (Associate at HCP) on behalf of Dr. Prashant Vardhan for B. Plan II Year, IV Semester students on 25.03.2022

STRAY DOGS: TRUSTWORTHY OLD FRIENDS OR A ROVING RABID MENACE? - Mr.Sreekanth Satheesh

Urban environments in developing nations, like our own, can be incredibly diversified, made up of a variety of components that rely on and benefit from one another. Being an animal lover, this has always piqued my interest to learn more about how stray animals, including stray dogs, are neglected or unaccounted for in the planning and development process within the traditional planning system.

Since the last ice age, the canid family has stood by our side and may have even helped us to out-compete other competing species, according to US anthropologist Dr. Pat Shipman's book *The Invaders: How Humans and Their Dogs Drove Neanderthals to Extinction*. Globalization, however, in recent decades, globalisation and its focus on economic expansion have contributed to rapid, unrestrained urban growth along with the accompanying population influx, resulting in massive explosion in animal population that may often also end up stranded in conventional urban spaces.

As per Animal Welfare Board of India (AWBI), there are over 30 million street dogs in Indian cities (Sharma, 2015). The majority of them are abandoned pets that are a mongrel crossbreed of the native Indian pariah dog and other pedigree and mixed breeds. Free-ranging Indian dogs are known to exhibit qualities including friendliness, alertness, submission to human relationships and high levels of independence. Because they have learned/developed survival skills, urban dogs differ from their rural counterparts in their socialising abilities and have developed unique strategies for surviving in metropolitan settings where motorised traffic is swift and frequently unfriendly. (Majumdar et al., 2014).



Source: Author, Bangalore

Hence there is the proposed Animal Birth Control Rules, 2022, which after notification, will replace existing (2001) one with the aim of reducing stray animal overcrowding, and recommends provisions for a monitoring committee that can decide to control excess street dog population through animal birth control programmes in specific area/region along with setting up an animal helpline by local authorities for efficient complaint resolution pertaining to dog bites/rabid dogs. Additionally, Resident Welfare Associations (RWAs) are expected to take responsibility for feeding stray animals, hopefully putting an end to disputes between these groups and dog feeders.

STUDENT ILLUSTRATIONS



Paper Collage

Aswathy KB
MEPM
2nd year



Pencil Shading - Portrait
Atchaya Nagarajan
MURP
2nd year

Monday, Dec 19, 2022
EPAPER TODAY'S PAPER

The Indian EXPRESS
JOURNALISM OF COURAGE

Home Explained Political Pulse India Cities Opinion Entertainment Lifestyle Technology Videos Sports

Home / India / India News / Over 20 stray dogs killed in Kerala

Over 20 stray dogs killed in Kerala

The move is likely to put the local body at odds with the state government, which had clarified last month that it had not discussed "indiscriminate killing of dogs".

By: **Express News Service**
Kochi | Updated: September 20, 2016 7:13:45 pm

NewsGuard

Over 20 stray dogs were killed after a panchayat in Kerala approved it in the wake of increasing attacks on the people. The move is likely to put the local body at odds with the state government, which had clarified last month that it had not discussed "indiscriminate killing of dogs".

Source: The Indian Express Newspaper - Dated 20th Sep, 2016

The main issue in all of the scenarios is, of course, a planning one: The inherent inability of local governments to effectively control and manage waste accumulation in public spaces. Similar to this, state and local governments must implement important measures to neuter dog populations so that their presence in the streets does not cause fear among urban residents. Therefore, we must improve this enduring relationship between humans and the canid family and prevent it from eroding as a result of societal ignorance and ineffective administration.

Faculty Articles and Illustrations

TRANSCENDENCE OF INFRASTRUCTURE – LOOK BEYOND BOUNDARIES

- Dr Abdul Razak Mohamed, Professor and Head, Department of Planning

Transcendence is viewed as existence or experience beyond the normal or physical level. In philosophy, transcendence is the basic ground concept from the word's literal meaning (from Latin), of climbing or going beyond, albeit with varying connotations in its different historical and cultural stages. Transcendence refers to the very highest and most inclusive or holistic levels of human consciousness, behaving and relating, as ends rather than means, to oneself, to significant others, to human beings in general, to other species, to nature, and to the cosmos. Transcendence is the quality of being able to go beyond normal limits or boundaries.

The transcendence of class differences as (1) Ego transcendence (self: beyond ego), (2) self-transcendence (beyond the self: the other), and (3) spiritual transcendence (beyond space and time). Transcendent experiences move us beyond our individual ego-sense of whom we are and help us to perceive ourselves differently. Transcendence describes strengths that help you connect to the larger universe and provide meaning to one's life. "Transcendent experiences" are events that bring us out of our ordinary minds, making us feel connected to the world around us. The traditions of design—in natural science, computation, theology, architecture, and literature and art—provide models for some aspects of planning. These models are especially concerned with order, coherence, meaning, structure, and judgment, and parallels or homologies among them.

Transcendence of Infrastructure as sometimes a journey to work or entertainment or socialization one comes in contact with people, places and mobility devices. There is connect between one another which means open a dialogue towards knowing each other destinations, work, interest etc. Through several trips, one connects with many others they keep interacting. May be sharing the phone number and keep continue the relations. The continued relations start on a travel witnessed to share the travel experience with travel infrastructure stating that the everyday commute there are comforts and discomforts about roads, vehicles, fellow passengers, driver and conductors into a diverse issues to address. The focus areas of concern to both includes on costs, breakdowns, accidents, and overcrowding, the vision and governance of local government etc. When it becomes the connect of many from the locality it is the civic identity and the community concern. It is also the subject of the concern of the local elected leaders and their accomplishment while emphasize the rights of the people and the responsibility of the local leader.

Infrastructure – It is roads, buses, tunnels, bridges, cables; wires are part of our culture's common experience, one that connects us across our diverse community identity. It is not uncommon for elders or young students to take two hour trips across a city on a hectic network of walk, buses, and trains so they can attend offices or better schools. Whether out of need or choice and with the daily risk of arriving late for offices or classes due to a "travel delay," many workers or college students live at home and rely on public transport. Commuters strike up friendships on long bus and train rides, waiting in the same lines and sitting in the same seats every day so they can chat with their fellow travelers. With infrastructure, we discover life's transcendent experiences. It is used to explain remarkably complex topics, such as Albert Einstein's theory of relativity and our brain's neural network. Sublime moments arise out of its many random connections and like Einstein's trains, these connections are perceived from unique frames of reference.

Collectively, in a way Transcendence of Infrastructure become our web of shared experiences, converging and diverging strands of time, forming the connective tissue that defines our culture. And as they were growing up youngsters take a bus or sub urban train rides just for the simple pleasure of watching the stations and neighborhoods go by.

Planners can design inclusive and more connected communities only if we remember that the complex social interactions that define us start with understanding how and why these take place in a public place or public transport. Infrastructure, like us, is imperfect, and its current crisis is a sign of our times, failing due to lack of visionary leadership at local area who can connect with local community and develop local area. We deserve and must demand a creative vision that sparks our curiosity for new experiences as look beyond boundaries of our physical to social boundaries that will enrich our lives.

STUDENT ILLUSTRATIONS



Abstract Painting
Manimozhi V
MEPM
2nd year



Still Art - Pencil Shading
Swastha Ilangovan
MTP
2nd year

**“REDEFINING URBAN INFORMALITY”
AS ONE OF THE ENDOWMENT OF
CHANGE**

- Karan K (MEPM , 1st year)

Many of the significant urban transformations of the new century are taking place in the developing world. In particular, informality, once associated with poor squatter settlements, is now seen as a generalized mode of metropolitan urbanization. Attempts to urbanize informal settlements, regularize informal workers and formalize informal activities indicate the prevalence of a normative approach towards urban informality. This situates the ‘formal’ as more desirable than, if not superior to, its ‘other’ counterpart. If urban informality is now recognized as a fertile ground for urban theorizing, this special issue aims to take stock of this starting point and propose more directly that, once we step beyond dualist interpretations of urban informality, it can have a key place in advancing urban theory. It can do more than just creating a space to work on the borderlines between formality and informality, opening up avenues for theoretical advancement and challenging where the confines of urban studies in itself might be. Yet the key to is to view any pandemic/ change as an opportunity to formalize and mold the current system. For this planners should think of how planning modalities can produce the “unplannable”—informality as a state of exception from the formal order of urbanization; how this state of exception can in turn be strategically used by them to mitigate some of the vulnerabilities of the urban poor; and how dealing with informality requires recognizing the “right to the city”—claims and appropriations that do not fit neatly into the ownership model of property. While change is inevitable it’s just “What we measure, we treasure”.

SMART CITY - IS IT FOR ALL ?

- Mayukh Biswas (B.Plan, 3rd year)

People of the modern era are continuously tending towards technological support in all aspects including using big data and data analytics, IoT, etc. That makes government also incorporate ICT in the urban planning components for making cities smarter and providing a better quality of life enhancing economic growth, housing inclusivity, promoting transport and infrastructure, etc. Artificial Intelligence or AI is shaping the whole world and every section of the globe by promoting smart cities. But can it serve all sections of the community?
In developing countries like India, more than 30% of people are LIG and there are many old age people and people with special care who may not have an understanding of the smart technology or system which later can create a hindrance in the system of smart cities. Even after making the smart cities, if the people living there are unable to make use of the system provided, then that will be of no use. For making a city smarter, we as planners have to start by making the people of the city smarter by providing proper knowledge about the system of IoT that going to be incorporated into the urban system and generating awareness about that.
If planners become successful to make people smarter and give them the proper potential, then with the change in people’s nature, smart cities can come to play that will gradually lift not only the community’s living standard but also the quality of life of people of the country. This will curve a new path and domain towards the future and also make the system more sustainable.

POEM

যাচ্ছকিথায় আমায় বল।।

- Mayukh Biswas (B.Plan, 3rd year)

সময়রে এই স্রোতে, ভসে যাওয়া লাগে
ভালো,
কিন্তু কারো কোনো ভরুক্ষপে নই - য়ে,
এই স্রোতে আমাদের নচিছে কোথায়। - এটাই
কি পরবিত্তন?
গ্রাম ঢকে যায় শহরে চাদরে, শহর ধরে
উন্নয়নের পথ,
এই উন্নয়ন জোয়ার আনে।।
আর সেই জোয়ারে হারিয়ে যায় হাজারো
শ্রমজীবী।
উন্নয়ন তো আসবেই, কিন্তু যারা হারালো -
তারা?



Ankur Karmakar (MURP , 1st year)

STUDENT ILLUSTRATIONS



Shrutishree Behera (MURP , 1st year)



Ankur Karmakar (MURP , 1st year)



Ankur Karmakar (MURP , 1st year)



Shrutishree Behera (MURP , 1st year)

STUDENT ILLUSTRATIONS



Surya Jayanth S
(BPlan , 3rd year)



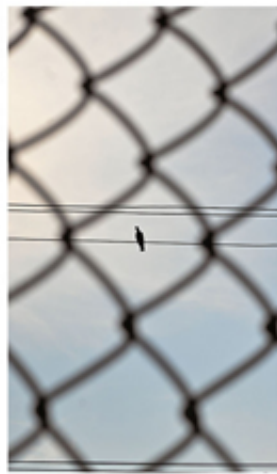
Surya Jayanth S
(BPlan , 3rd year)



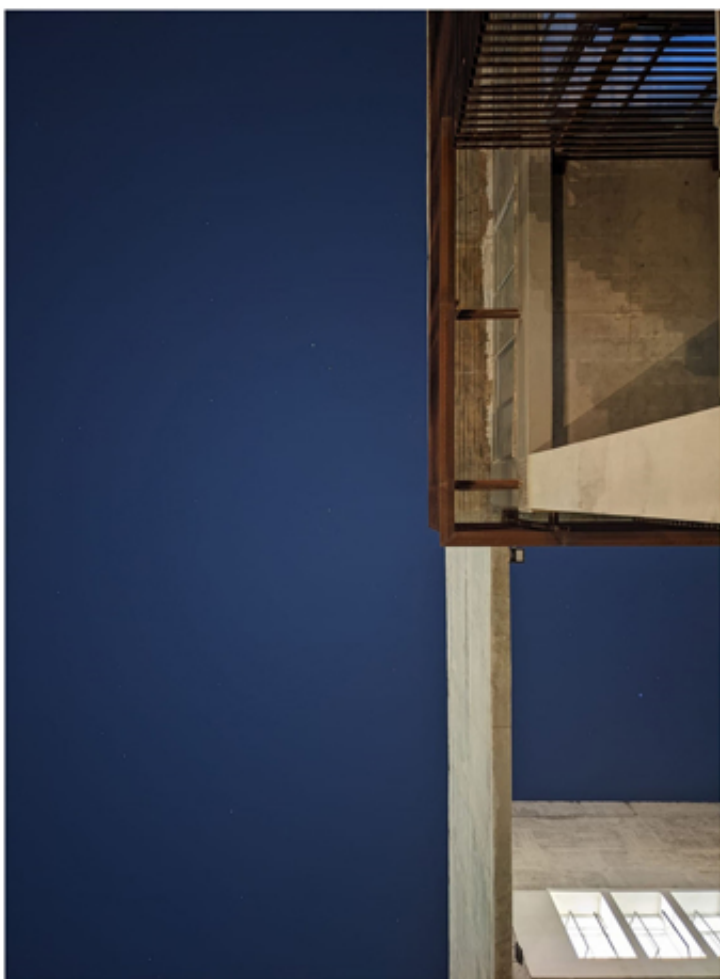
Surya Jayanth S
(BPlan , 3rd year)



Surya Jayanth S
(BPlan , 3rd year)



Madhumati S
(MURP , 1st year)



Mabinesh
(MURP , 1st year)



Mabinesh
(MURP , 1st year)



Mukti Swaroop Pradhan
(MEPM , 1st year)

B.PLAN

Thesis by:
Mirunnaalini V

Guided by:
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Assistant Professor
Department of Planning, SPAV

Improving Liveability Using "Crime Prevention through Environmental Design"(CPTED) Strategies

An Empirical Study on Mylapore, Chennai

Abstract

Changing the physical environment in a specific manner may make some types of crime more difficult to commit, resulting in a reduction in crime and violence in a certain place. Crime Prevention through Environmental Design (CPTED, pronounced sep-ted) is a well-known and extensively used planning strategy for crime prevention. The Integrated Urban Development Framework (IUDF) recognizes the vital role of planning, design, and administration in providing safer living environments, particularly public spaces. In the rationale of planning problems in India, especially in urban areas, limited research explains the relation between the spatial character of the cities and crime occurrence. It is widely accepted that by applying appropriate planning, design, and management principles to the built environment, criminal events may be reduced.

This thesis explores the possible environmental reasons behind the crime occurrence and investigates how integrating the CPTED strategies can improve the liveability of a neighbourhood. The Spatial and statistical evaluations on the factors contributing to the crime are reviewed to clarify current knowledge on the evidence of crime prevention through environmental design. The factors are categorized under seven parameters (Natural Surveillance, Access, Layout, Activity mix, Sense of Ownership, Physical protection, and Quality Environments). To examine the improved liveability as a result of CPTED adoption, principal component analysis, regression analysis, and other statistical studies are used. In the case area, essential factors are discovered and proposed. As a result, it is necessary to develop solutions to crime problems based on a thorough understanding of the local environment, which includes the criminal situation as well as physical, social, and institutional variables.

Analysis and Proposal

A five step process has been adopted for the CPTED strategies of the study region.

It starts with the existing situation analysis of the study area using analyzing the crime density and also spatial correlation and then validation analysis is done using hotspot analysis and visibility mapping. Then spatial and statistical analysis of crime data is done using principle component analysis, crime rate analysis with respect to land use, crime rate analysis with respect to road network and also correlation analysis. Key considerations and strategies are given based on public perception survey on rating the importance of key considerations & ranking them based on importance & also public perception survey based on existing level of safety in the study area.

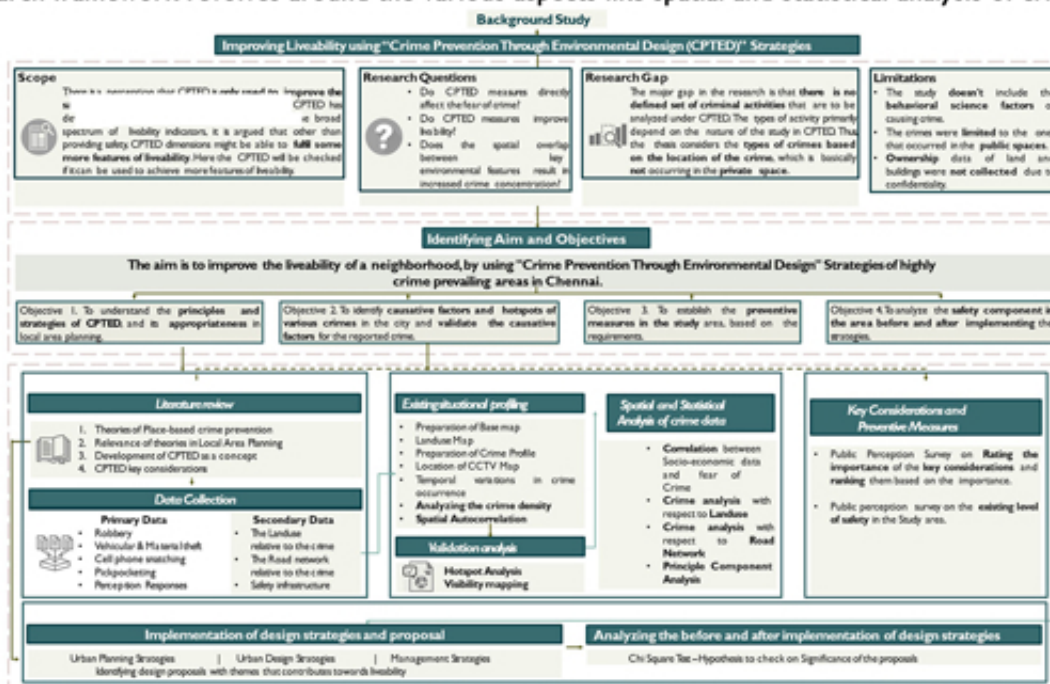
Then urban planning, urban design, management strategies help in identifying the design proposals with themes that contribute towards liveability. And then before and after implementation of design strategies is tested and validated using chi square test which means hypothesis to check on the significance of proposals.

The themes like safety, accessibility, placemaking, inclusivity, sustainability play a key role to bring out the theme liveability. Surveillance, territorial reinforcement, provision of space for informal vendors, provision of temporary and permanent police booths, increased right of way, making accessible networks are the major recommendations to enhance liveability through CPTED.

Institutional framework for the implementation plays a key role in this concept and promote liveability. Cost of implementation also needs to be given prime importance. This study was intriguing since it discovered a relationship between Mylapore locals' and tourists' perceived safety and CPTED. CPTED approaches were mentioned as aspects that made participants feel safer throughout trial. This thesis was crucial because it looked at what made so many people in Mylapore feel safe or unsafe.

Research Framework

The research framework revolves around the various aspects like spatial and statistical analysis of crime data.



Outcome

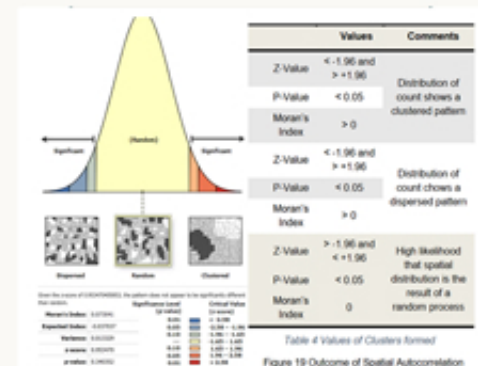
This study was intriguing since it discovered a relationship between Mylapore locals' and tourists' perceived safety and CPTED. CPTED approaches were mentioned as aspects that made participants feel safer throughout trial. Participants, for the first time, admitted that the layout of places had an impact on their feeling of safety, owing to the absence of CPTED as one of the reasons they felt insecure in specific regions. Location, as well as reputation and the number of CPTED procedures in place, can influence fear. This work was also significant since it identified the limits that participants had with CPTED, which had previously gone unnoticed in the literature. This thesis was crucial because it looked at what made so many people in Mylapore feel safe or unsafe.

This thesis included recommendations from study participants that could help a wide range of demographics, including Mylapore residents, city planners, local authorities, officials, and people. The research project enables to fill a knowledge gap that had been noticed in the literature. The authors of this study expect that future studies will look at the link with CPTED and people's perceptions of safety across the country. More study would help fill up the gaps in this field's knowledge, and more recommendations might be made to make regions safer for people. (The CPTED Journal, 2006)

Safety Infrastructure Map of Mylapore



Spatial Auto Correlation Analysis



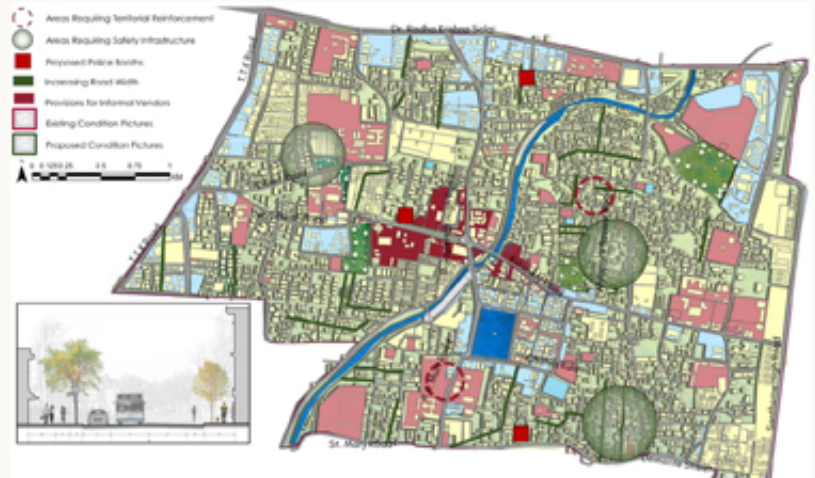
Visibility Map of Mylapore



Crime Density Map-2021



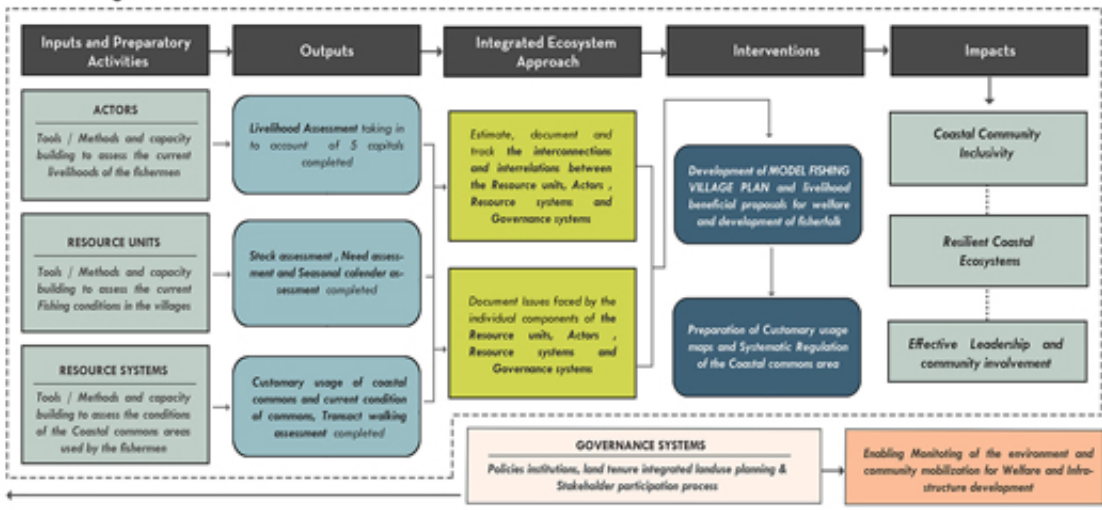
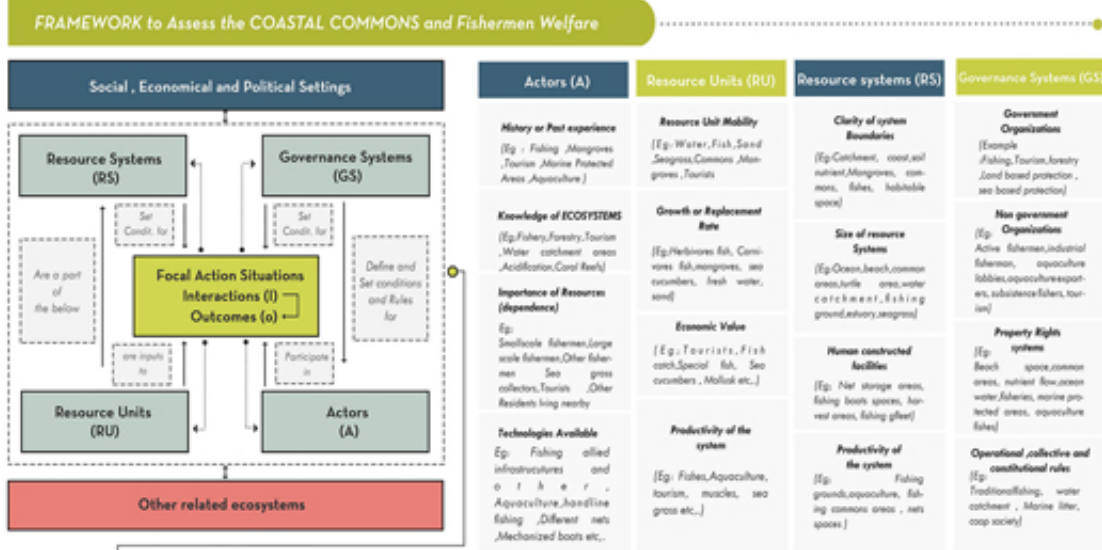
Proposal



MPLAN (URP)
 Thesis by:
M.Heerendra Kannan
 Guided by:
Dr. Ayon Tarafdar
 Associate Professor
 Department of Planning, SPAV

Rethinking of Coastal Commons Conflicts and Contestation in Development of Coastal - Fisherfolk in Chennai

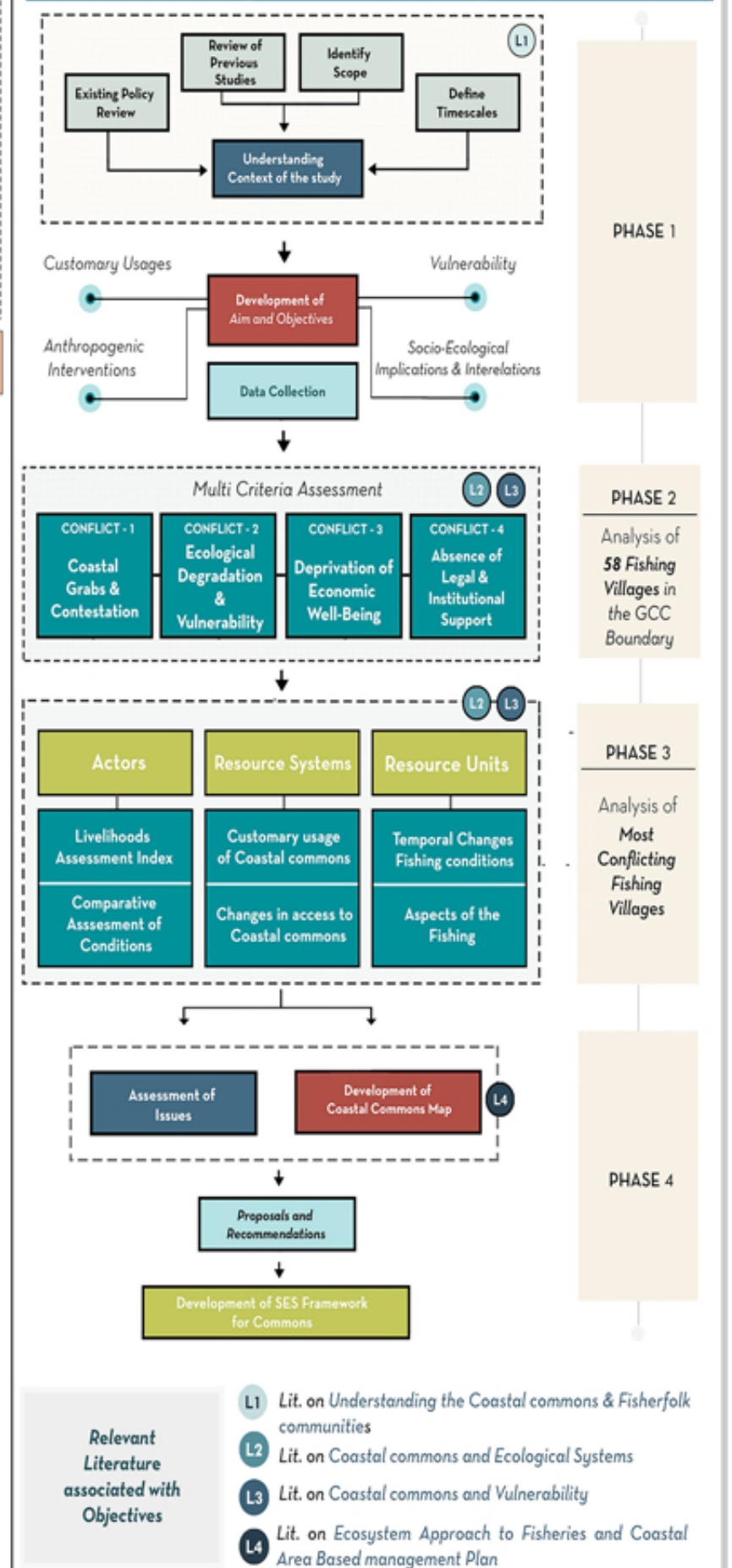
Thesis Framework



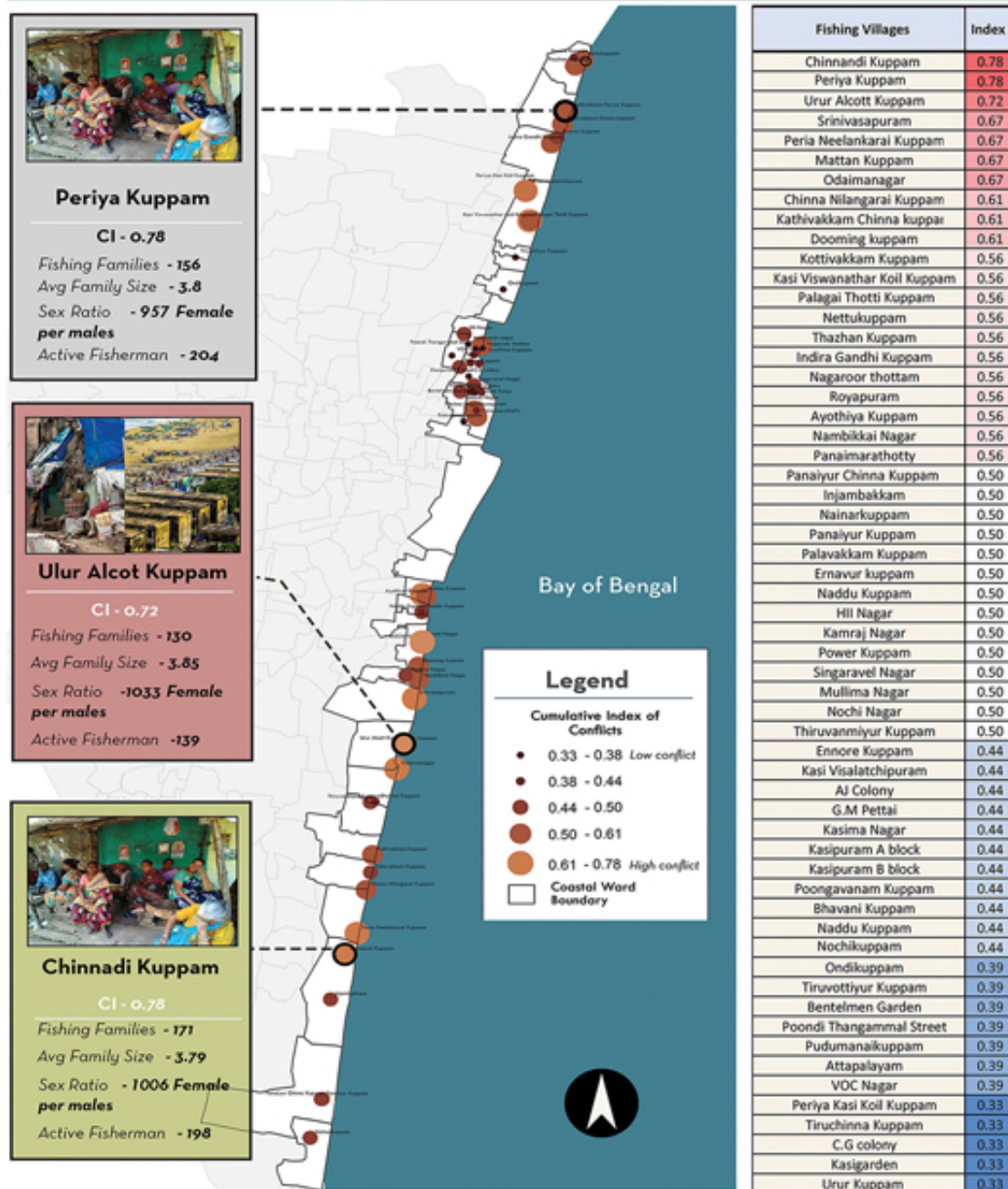
Abstract

Coastal zones are vulnerable to a variety of coastal dangers & are more densely inhabited, with greater rates of population growth and urbanization. India's coastal regions, home to 3,202 marine fishing villages, 7,56,212 households, and above 3.52 million marine fisher folks, are on the frontlines of a shifting climate change, experiencing a sea-level rise, erosion, urbanization, and natural disasters such as tropical storms and cyclones. The study aims to explore how such influences affect coastal commons at metropolitan scales, for the city of Chennai. This study takes up an initial analysis of all the 58 coastal villages on several parameters to identify the levels of conflict and threats. The study went on to study the temporal changes in land use, built form, availability & absence of infrastructure, and changes in the use of common spaces. The study also conducted interviews and group discussions with the village profiles. The scope of the research is to provide a framework for assessing the Coastal Commons, involving fisherfolk as the major actors, calling on their usual expertise & tools for spatial mapping to claim their entitlement to land & livelihoods. The efforts being made to accomplish the goals will also help to reach SDGs 14 - Target 5 (to conserve coastal & marine areas).

Methodology



Preliminary Analysis - Cumulative Index of Conflict



M.PLAN (EPM)

Thesis by:
Puloma Choudhury

Guided by:
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Department of Planning, SPAV

Planning Strategies for Climate resilient Coastal Corridor, A case study of Digha-Junput region, West Bengal

Abstract

Coastal regions are important parts of the global environment because they are home to a range of important ecosystems, natural resources, and a rapidly rising population. However, beach erosion, flooding, coastal inundation, habitat destruction, saltwater intrusion into groundwater aquifers, and other adverse effects of climate change are mostly experienced in these places along with sea level rise. The ability of coastal socioeconomic and natural systems to react to perturbations induced by variables such as sea level rise, extreme events, and human activities while maintaining important functions is known as coastal resilience.

The 45-kilometer-long coastline in West Bengal, spanning Digha to Junput, is beset by both natural and man-made hazards. Unexpected demographic shifts, environmental challenges, and spatial constraints all threaten coastal resilience. The study explored multiscale methodologies to evaluate the vulnerability to coastal resilience.

The study first analyzed resilience at the coastal CD block level across the Purba Medinipur district, which includes the Contai Municipal Area, in order to incorporate resilience into the development plan. The research area, due to its high population and density, possess multiple risks to resilience, which were investigated utilizing a complete vulnerability profile for the coastal belt. The vulnerability profile was linked to the zonal development, and key zones were determined. The zones' geographical and environmental issues were investigated in order to determine the important region in which participatory learning and action tools may be used to help communities understand the vulnerability they face.

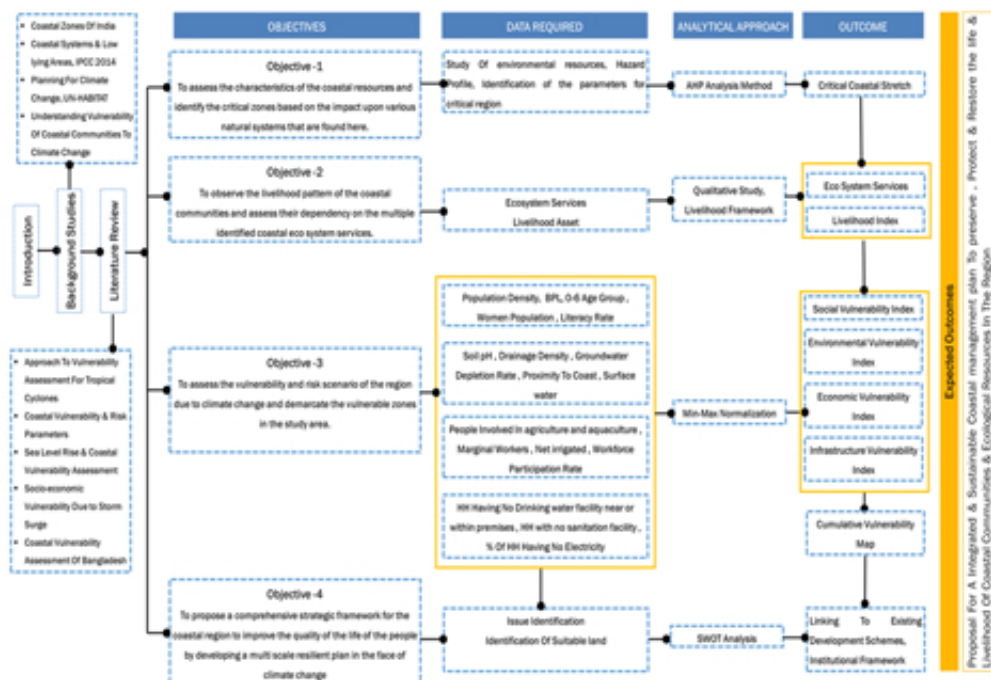
Analysis and Proposal

The analysis is carried out in 2 parts. In first part the critical area delineation has been done to identify the most critical zones in the CD blocks. The study area undergoes a lot of human activities including agriculture, aquaculture, tourism etc. as well as natural degradation process like hazard, due to which the coastal resources gets affected a lot. In order to understand which are the most affected area in the region, first the impact matrix process have been used which gives a better understanding on which activity is affecting which resources. After identifying the resources, these activities have been taken as a parameter to identify and locate the most critical area which will help in to take up further detailed level analysis. In the stage 2, first the LULC of the area followed by the agricultural and aquaculture characteristics have been studied. The coastal stretch is famous for its tourism so analysis like A tourism analysis, beach carrying capacity has been done to understand the impact of tourism in the area. Later the analysis has been done based on the vulnerabilities of the natural coastal eco system and the livelihood of the coastal communities. Further detailed work has been taken up to understand the impact of coastal vulnerability on the livelihood and the eco system services. For coastal vulnerability, various parameters were calculated based on the requirement of the area. The parameters were given weightage according to AHP method and then they were normalised by using Max-Min Normalization method. The cumulative vulnerability was assessed after giving weightage to all the parameters and finally getting the total weightage of the study area.

Proposals are classified into 2 level, coastal corridor level and village level as per requirements. The proposals were given both on policy level as well as spatial level. To find out the most suitable land, land suitability analysis is done which gives the most suitable zone for development. Proposals like living shoreline, riparian buffer, bio shield, dune rehabilitation etc. are done on the coastal corridor level. In village level, a particular village have been picked out based on the most vulnerable village parameters. Proposals for aquaculture, increase in green cover, creating multipurpose shelter is proposed there.

Research Framework

The research framework for the thesis has been discussed in detail here.

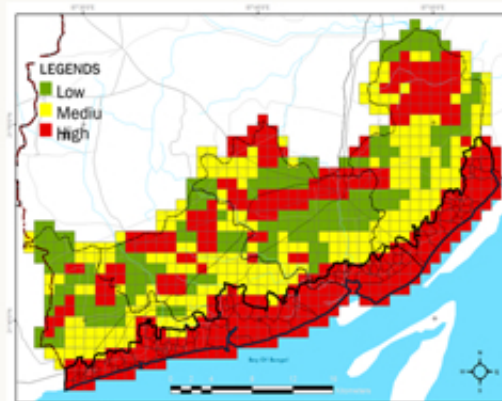


Outcome

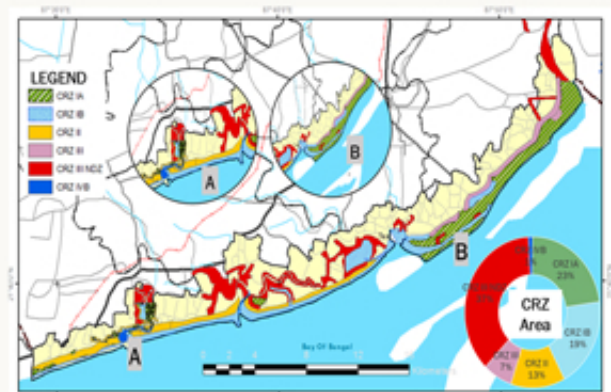
Further, the significant economic activities, the adaptive capacity of the villages, and demographic changes at the block level were also investigated to understand its impact on climate change. A full assessment of several aspects of resilience was also conducted at the village level. The research area, due to its high population and density, possess multiple risks to resilience, which were investigated utilizing a complete vulnerability profile for the coastal belt. The vulnerability profile was linked to the zonal development, and key zones were determined. The zones' geographical and environmental issues were investigated in order to determine the important region in which participatory learning and action tools may be used to help communities understand the vulnerability they face.

Analysis of the livelihood matrix, ecosystem services and coastal vulnerability gives us the cumulative vulnerability of the coastal stretch. It was observed that around 32% area comes under highly critical zone, 9% under high critical and 51% under medium critical area. No villages comes under low critical area which is a cause of concern actually. The area is ecologically rich and have a great potential for tourism but issues like beach erosion, disaster issue etc. can potentially harm the development. So a proper development plan needs to be there.

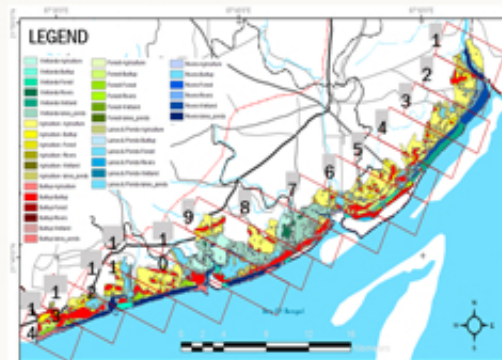
Critical Coastal Stretch



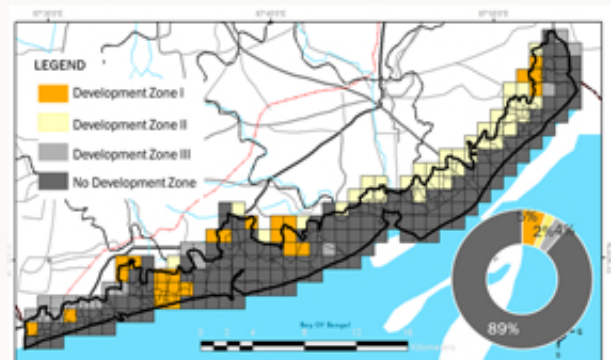
CRZ Compliance In The Study Area



LULC Change 2020-22



Development And Non Development Zone



M.PLAN(TIP)

Thesis by:
Mitradev Sahoo

Guided by:
Mr. Valliappan AL
Assistant Professor
Department of Planning, SPAV

SITE SELECTION & ECONOMICAL EVALUATION OF ELECTRIC VEHICLE CHARGING STATION FOR BHUBANESWAR.

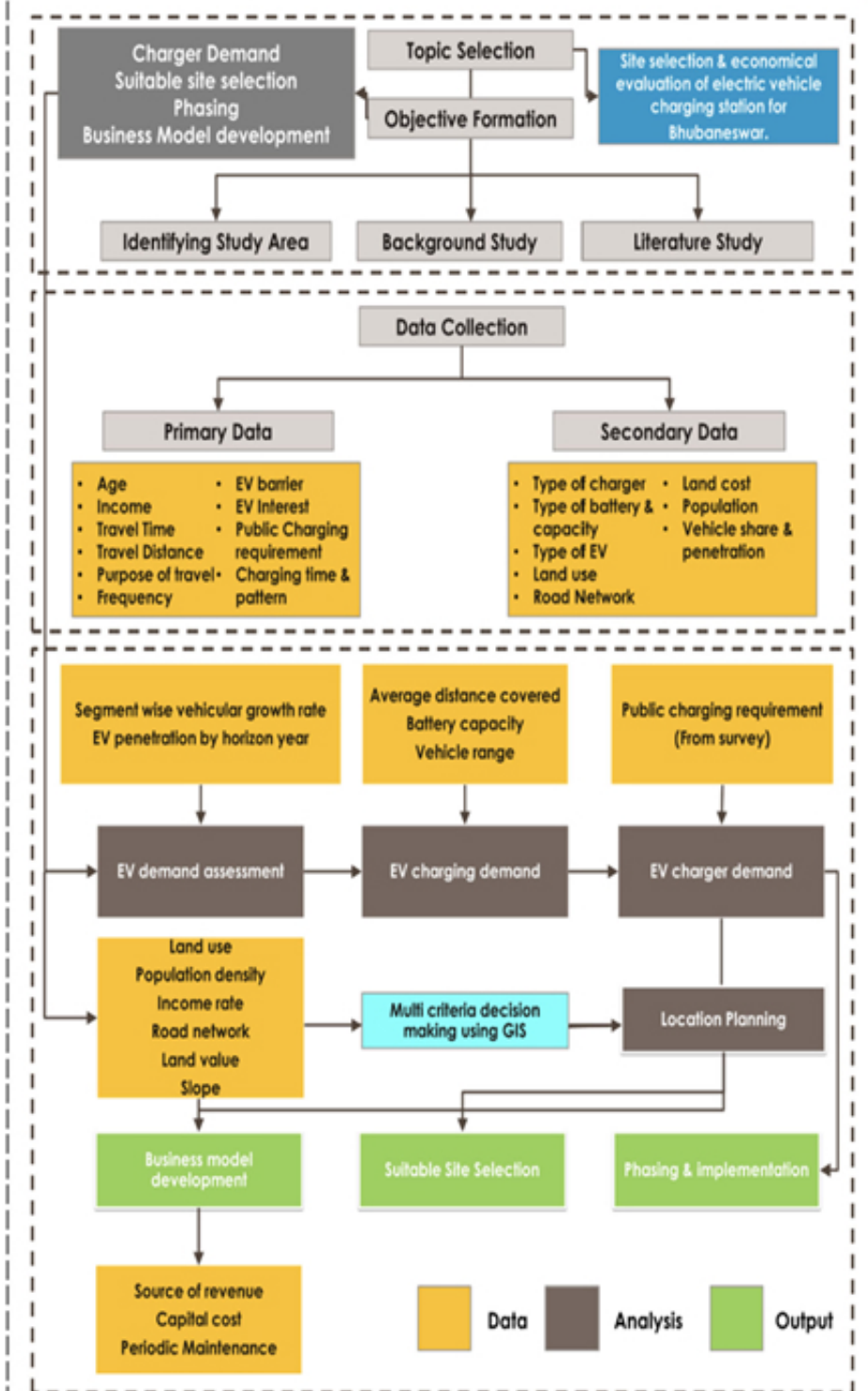
Abstract

As the world is moving towards sustainability everyone wants to contribute their part towards the sustainable development. Electric vehicles are one of the revolutionary technologies that leads the entire transportation sector towards sustainability. Although the electric vehicles have been developed since a long time but it was not adopted by the general public. The main reason behind that was the primitive technologies. Even with the development of technologies. We have not seen that much improvement in electric vehicles on the roads. The main set back is the availability of EV charging stations.

To make the EV popular among the people govts. are promoting state EV policies by giving various incentive in terms of discount in price or tax. The demand is not yet clear, where to install a charging station is not clear, if a location is finalized what should be the supply technique is not clear. The business model of these charging stations is not going to be same everywhere as the demand & supply are going to vary location wise. The future demand of EV for the horizon year will be computed along with that the EV charging locations and the demand of charging stations will be provided. The business model & profitability analysis of the charging stations will be done.

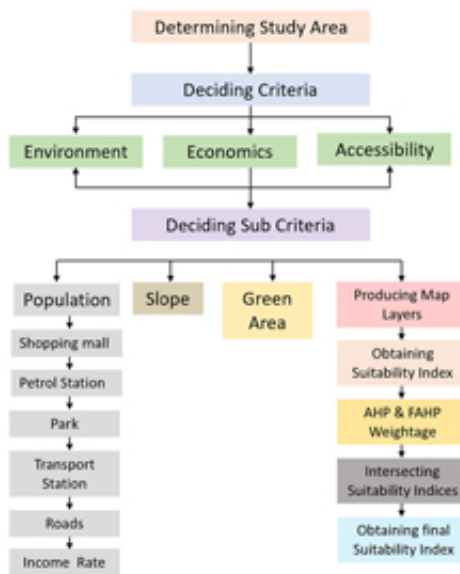
The Govt. of Odisha has just published its very own EV policy in September 2021. For that we can assume a rise of no of EVs as well as the public EV charging stations. Bhubaneswar being a planned city in Odisha should develop this EV charging stations with proper planning & in phased manner. For the same charging station planning has been prepared for Bhubaneswar and the spatial demand of charging station with respect to the suitable site selection has been done. Along with that the phasing & implementation strategy has been developed for the smooth & planned implementation. Different business models have been developed looking at the demand to attract the investors.

Methodology



Methodology for Site Suitability

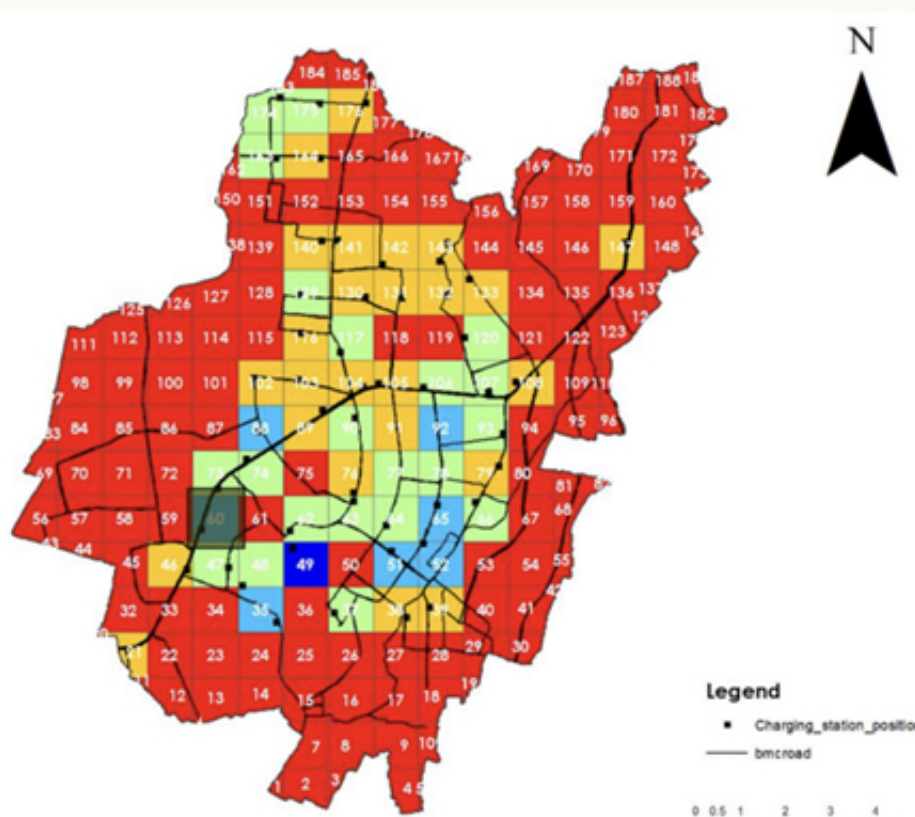
EV Charging station Site Suitability



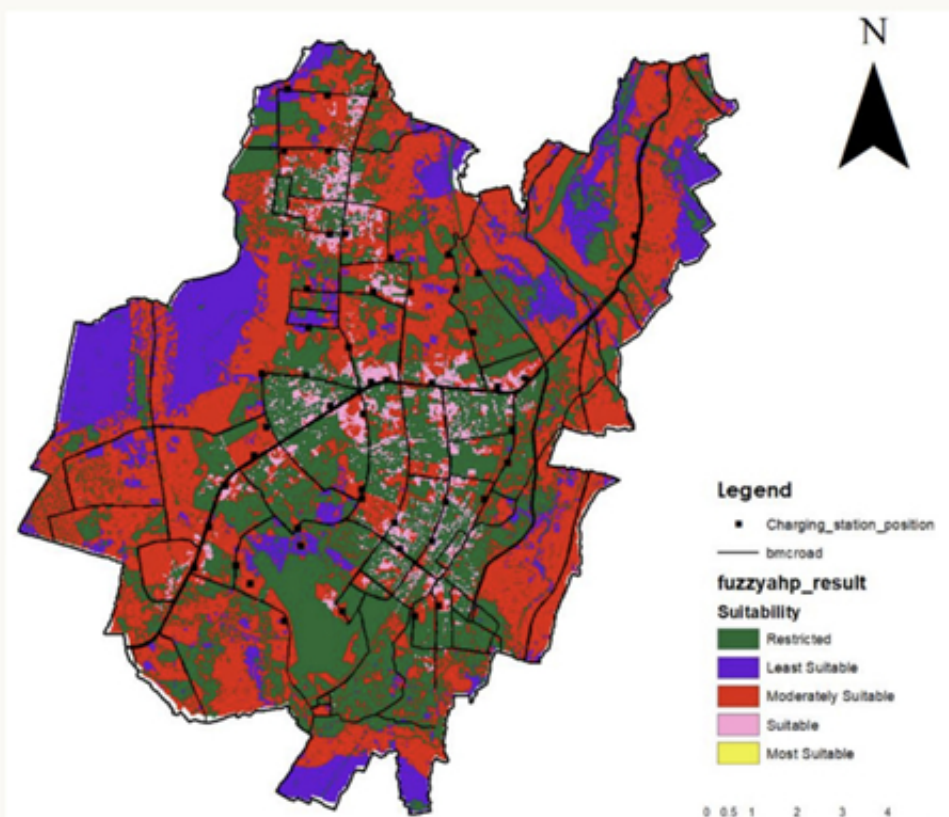
For suitable site selection multi criteria decision making tool is being used with the help of GIS. After determining the study area the parameters were decided under 3 sub categories those are

- Environment
 - Economics
 - Accessibility
- 1) Under the environment sub category available green spaces are considered as the parameter.
 - 2) For economics sub category slope & land value are considered as the deciding parameters.
 - 3) For accessibility sub category population, shopping mall, petrol station, park, transportation hub, roads, income rates of different areas are considered as the variables.

Proposals : Possible Charging Station Locations as per Site Suitability Analysis



Possible charging station location in different grids



Different charging station location from fuzzy land suitability perspective

SCIENCE FESTIVAL 2022 @SPAV

Vigyan Sarvatra Pujyate, National Science Festival week

- Azadi ka Amrit Mahotsav -

22nd - 28th

FEBRUARY

2022

Overview

As a part of "Azadi ka Amrit Mahotsav" celebration in 2022, the Ministry of Culture, Government of India in association with Vigyan Prasar, had earmarked Feb 22-28, 2022 as a glorious week called "Vigyan Sarvatra Pujyate" (which, in Sanskrit, means 'Science and Technology Is Revered All Over'), under its Science Communication Popularization and Extension (SCoPE) Project. At 75 locations across the country, 75 leading academic institutions have celebrated this week for the dissemination of the utility of science and scientific applications in our day-to-day life. For the state of Andhra Pradesh, the School of Planning and Architecture, Vijayawada (SPAV) and Andhra University, Visakhapatnam are the two institutes who are organizing the programmes.

At SPAV, the week-long programme was supported and co-organised by Defence Research and Development Organisation (DRDO), Indian Space Research Organisation (ISRO), National Institute of Design (NID) AP and local scientists from Vijayawada. On each of the days, there were over 1000 students and over 500 citizens visiting the displays, demonstrations, workshops, and experiments. The event aimed at bringing together young minds from all backgrounds to be inspired by lesser-known stories of scientific progress in India and experience these stories from the scientists from some of top organizations of the country.

Message from Dr Abdul Razak Mohamed Professor and Head Dept of Planning & Organizing Secretary

It is a landmark event since the start of our institute SPAV. I immensely express my gratitude to the following three members belonging to NIT, Warangal- the Director i/c Prof Ramana Rao, Prof Lexma Reddy and Prof Ramachandraiah who guided us in the right path towards organizing many activities, at various stage since its beginning from Jan 2021. Also, to note that there were science experts, govt officials, and NGO groups recommended by NITW to form the Local Organizing Committee, who played a significant role in connecting SPAV with the concerned offices, school and college authorities to get participants to Lecture, demonstration and magic shows as well as the Expos.

SPAV got a rare opportunity - the exhibits setup by DRDO, NID, ISRO (Mobile Exhibition), book expo with the displays including books, posters, instruments, films and free gifts to participants, made the festival a huge success attracting a large crowd. The credit of conducting this milestone event of SPAV goes to our Director i/c Prof Ramana Rao, Registrar Shri Uma Maheshwara Rao and Asst Registrar Shri Shyam Kumar, along with the entire team of faculty members, non-teaching staffs and SPAV student Volunteer supporting and contributing in various ways towards smooth conduct of daily activities with utmost care and safety.

It was very great honor for me to work with you all - doing such small to mega events in the future, marching towards making SPAV 'GREAT and GET NOTICED' locally, regionally, nationally and globally. I am pleased to state that with the support of a great team, this week-long mega event was a huge success at SPAVI



Organized by
School of Planning and Architecture, Vijayawada
 An Institute of National Importance, Ministry of Education Gov. of India

SCIENCE FESTIVAL 2022 @SPAV

Vigyan Sarvatra Pujate, National Science Festival week
- Azadi ka Amrit Mahotsav -

22nd - 28th
FEBRUARY
2022

Overview

The inaugural ceremony was graced by Chief Guest Dr. M. Rama Manohara Babu, distinguished scientist & Director, Missile Systems, Advanced Systems Laboratory, DRDO Hyderabad. The inaugural session was also addressed by Shri K.V. Uma Maheswara Rao, Registrar SPAV, Prof. Abdul Razak Mohamed, HoD Planning & Organizing Secretary, SPAV, Prof Ramesh Srikonda, Dept. of Architecture, SPAV, Prof. Kailasa Rao, Dept. of Architecture, SPAV and Prof. Vijayalaxmi Iyer, HoD Department of Architecture SPAV. The occasion was also graced by the presence of local organising committee members like Prof M. V. Basaveswara Rao, Krishna University, Honorary Secretary, AP Akademi of Sciences, Mr B. Rajasekhar Rahul, Teacher and Science Activist, Mr K. Srinivas, Cybernetics Expert, Science Activist and EC Member Vijayawada Book Festival Society, Dr Niyantha, Science Activist, and Director Arthik Samatha Mandal, and Mr P. Nag-eswara Rao, Science Teacher, ZPHS Kavuluru.

The other days of the festival witnessed students participating from nearby schools and colleges. The total footfall of the week is estimated to be about 12000 with an average of 1500 attendees visiting every day. There were over 50 schools representing municipal and corporate schools in the district that visited the event officially. Over 80 science teachers from the district visited the exhibitions and lectures along with the students. About 7500 citizens from Vijayawada visited the event which was open to public. The events of each day were live streamed and hence, was watched by over 10,000 online visitors including students from SPAV. The event became the talk of the town and awareness of science with contribution of Indian scientists became topic of discussion among school students of the region. Under the able leadership of Director i/c of SPA Vijayawada and the administration, the event became one of the biggest scale and longest public programme successfully organised by SPAV.



Integration of public, private tech institutes need of the hour: scientist

National-level Science Week Festival begins

SPECIAL CORRESPONDENT

Scientist and Director of Missile Systems, Advanced Systems Laboratory, Defence Research and Development Organisation (DRDO), Hyderabad, M. Rama Manohara Babu on Tuesday stressed the need for integrating scientific and technological organisations in the public and private sectors along with startups to achieve excellence.

Addressing the inaugural session of a national-level Science Week Festival jointly organised by the School of Planning and Architecture, Vijayawada (SPAV) and Andhra University, Visakhapat-



M. Rama Manohara Babu, scientist and Director of Advanced Systems Laboratory, DRDO, Hyderabad, inaugurating the "Science Week Festival" in Vijayawada on Tuesday. He said, "Later, Mr. Manohara Babu inaugurated an exhibition organised by the DRDO, where models of the Indian missile systems, defence technologies, and state-of-the-art defence products were on display. The ISRO organised a mobile exhibition in a bus, while science books in Telugu and exhibits of the students from the National Institute of Design, Andhra Pradesh, working models of science experiments and magic shows are some of the highlights of the expo."

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Student Achievements

XXIII Annual NOSPlan Convention 2021 - 22

Convention Dates : 01st - 03rd April, 2022
Host College : NITTE, SPAD, Bangalore

Overall WINNERS - School of Planning and Architecture, Vijayawada



SAMATHOLANA (Balance) - NOSPlan Annual Convention 2021 - 2022

NOSPlan is an organization to develop the community of planning students to become better planning professionals of tomorrow.

NOSPlan Annual Convention is the highlight of the year for the organisation, wherein colleges of planning from all over the country assemble together to take part in various events, ranging from academic to co-curricular activities.

School of Planning and Architecture, Vijayawada has been a member of the organisation from many years, and has been a proud winner of the convention this year, while 2022 saw the institute emerge as the winners for the same.

The 2022 NOSPlan Annual Convention - Samatholana, revolved around the theme of 'Balance', focused primarily on balance in urban development. The convention was divided into 4 trophies, namely 'The Planning Trophy', 'The Publication Trophy', 'The Entertainment Trophy' and the 'Gaming Trophy', all of which combined had a total of 18 events. The overall score of SPAV beat that of all the competing institutes and the former proclaimed the title as winners for the event NOSPLAN.



"It is a platform for interaction between the students of planning and the entire planning fraternity at large. Winning overall championship is a great honour to the SPA, Vijayawada," said Dr Razak. He said that they have been participating in the annual NOSPLAN convention since 2009. He said that the theme of the NOSPLAN 2022 "Balance" has triggered the students towards the understanding the exiting "way of life" as what they think is "Living any Way" of the people across the globe.

There is a need to bring a Balance between the two face of life into a new way of life. He said that SPA in-charge director Dr Ramana Rao had extended his fullest support and encouraged the students in coming out best projects which were presented at annual convention. He said that their students took part in over 20 competitive events consisting of professional and cultural events and made a clean sweep by winning the medals.

Times Of India (TOI) article on the Achievement of School of Planning and Architecture, Vijayawada who emerged as the overall winners in XXIII Annual NOSPLAN Convention.

Faculty Co-ordinator: Dr. Abdul Razak Mohamed, Professor & Head DOP, SPAV

Planning Trophy (6 events) - SPAV Winners

1. Yatra Mitra
2. CPTED For Secure City
Position - 2nd
3. City Too Hot!
Theme - Heat Resilience: A new era approach in Master Planning processes
Position - 2nd
4. Survey To Solve
Theme - Site design
Position - Winners
5. This Or That
Theme - Disclosed a Week Prior to the Event
Position - Winners
6. Quick N Quiz

Gaming Trophy (3 events)

1. Box Cricket - Winners
2. Mixed Volleyball - 2nd
3. Chess(Online) - Winners

NOSPLAN Publication Trophy (5 events) - SPAV Winners

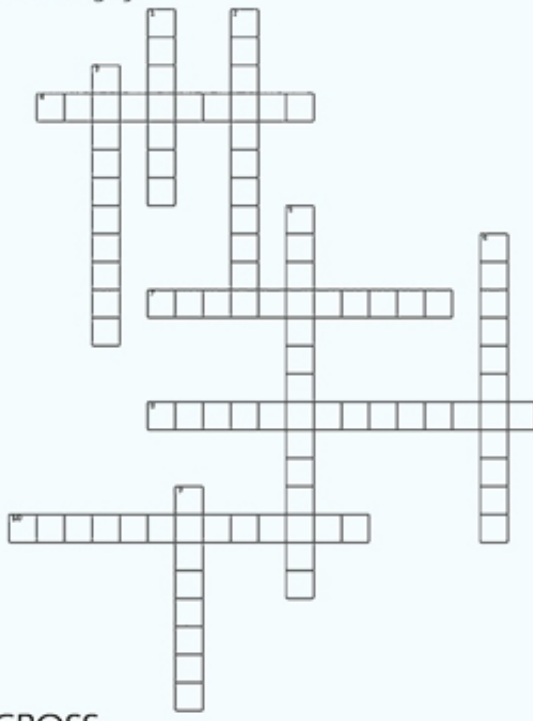
1. Present To Represent
2. Planning Lens
3. Think & Create!
Theme - Disclosed a Week Prior to the Event
Position - 3rd
4. Play With Colour
Theme - Disclosed an hr Prior to the Event
Position - 2nd
5. Portraiture

Entertainment Trophy (4 events)

1. Show Off
Theme - Time Evolution
Position - 2nd
2. Dance Box -
3. Battle Of Bands
Position - 2nd
4. Nukkad Naatak
Theme - The Fear of Art: Contemporary Art
Censorship
Position - 1st

Editor's Note

What an eventful semester! Finally putting an end to the apprehensions that arose from what seemed like the never-ending virtual lives, the last 4 months broke the centre stage in everyone's diaries. That youthful and energetic semester, filled with excitement, and supported by an encouraging faculty body, brought out the hidden talents of numerous students, motivating them to explore unturned stones. What began within four walls, with yearnings to go back to the good old days, this academic year brought forth a roller coaster of events, transcending into the most entrancing chapters of everyone's lives. Looking forward to more such successful and enthralling transformations in the upcoming semesters, on behalf of the editorial team, we wish the best transcendence to all our readers. Until the next issue, adios amigos!

Book Suggestions	Crossword Puzzle	Planning ideas / Quotes
<p>SELF HELP BOOKS</p> <p>1) The 7 habits of the highly effective people by Stephen Covey</p> <p>2) Atomic habits by James Clear</p> <p>SCIENTIFIC NON-FICTION</p> <p>1) A PhD is not enough by Peter Feibelman</p> <p>2) The only woman in the room by Eillen Pollack</p> <p>PLANNING BASED NON-FICTION</p> <p>1) From the ground up by Alison Sant</p> <p>2) Twenty minutes in Manhattan by Michael Sorkin</p> <p>CLASSICS</p> <p>1) Mansfield Park by Jane Austen</p> <p>2) One hundred years of solitude by Gabriel Garcia Marquez</p> <p>COMICS</p> <p>1) Mind MGMT by Matt Kindt</p> <p>2) The Left Bank Gang by Jason</p>	<p>Mind if I pick your brain for a minute? This crossword presents you with the key planning terms that every planner should know. Enjoy!</p>  <p>ACROSS</p> <p>4. Potentially contaminated, but could be an opportunity (10)</p> <p>7. Responsiveness to change (11)</p> <p>8. Decision of the order of importance (14)</p> <p>10. Least resilient to any damage (13)</p> <p>DOWN</p> <p>1. A Dutch solution to pedestrian friendly Roads (7)</p> <p>2. Bigger chunks of city, promoting non-motorisation (11)</p> <p>3. Transformation of the form and structure over time (10)</p> <p>5. My neighborhood is better now, but I have to move (14)</p> <p>6. His decisions will affect your project (11)</p> <p>9. Last leg of a journey (8-two words)</p>	<p>1) "Don't focus so much on single buildings as fabric. If fabric is lost, we have a few heroic buildings in parking lots." - Steve Mouzon</p> <p>2) "The mark of a great city isn't how it treats its special places - everybody does that right - but how it treats its ordinary ones." - Aaron M. Renn</p> <p>3) "Urbanism works when it creates a journey as desirable as the destination." - Paul Goldberger</p> <p>4) "Adding lanes to solve traffic congestion is like loosening your belt to solve obesity." - Glen Hemistra</p> <p>5) "As an artificial world, the city should be so in the best sense: made by art, shaped for human purposes." - Kevin Lynch</p> <hr/> <p>Things to look out for in next semester</p> <p>1) Back to 2 weeks of on-site studies and diverse studio exercises</p> <p>2) Arrival of the first years</p> <p>3) Cultural Events: Onam celebrations, Dussehra, etc.,</p> <p>4) Allotment of Thesis guides and Dissertation</p> <p style="text-align: right;">and much more...</p>

Acknowledgement





We, the editorial team, are glad to have taken part in curating the third issue of the newsletter namely the 'Planner's Heptagon' - Volume 03 - Issue 01 from the Department of Planning, SPAV. Even as yet another fun yet challenging semester comes to an end. It has shown itself to be a conflux of some of the most rejoiced and difficult times we've had; from hosting many big events, to exploring and excelling everything through virtual mode due to the pandemic outbreak, it has truly been quite eventful at SPAV. This newsletter is an attempt to document the progression of this semester amidst the ongoing pandemic in order to present to you the compendium of various events, activities, etc, associated with this semester. We heartily acknowledge everyone who has contributed to the making of this newsletter.

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