



PLANNERS' HEPTAGON

DEPARTMENT OF PLANNING

School of Planning and Architecture Vijayawada



Planning Newsletter Odd Semester 2021-22

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Introduction

What with everything being virtual these days, the publication committee of the 5th edition of Planner's Heptagon sends out warmest of virtual hugs welcoming our readers to this issue, giving you a compendium of all the happenings of yet another eventful semester, marking the start of the new academic year 2021. The pandemic has become a part of our lives today. Not only have we gotten accustomed to the 'new normal', but have also triumphed over this unexpected situation. Discovering and exploring the hidden potentials of the pandemic's adventitiousness, the students', faculties', and management are now fully equipped with eruditely designed studio exercises, webinars and conferences. Following in this issue is an exciting journey through the departmental activities, events, innovative studio projects, faculties' achievements, students' creative expression, and much more...

Director's Message

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



I take immense pride in presenting the 3rd edition of Planner's Heptagon, which culminates and reflects the intellectual streaming grounds of our fellow teachers and graduates. Since its inception in 2008, SPA Vijayawada has been committed to training responsible, ethical, and professional planners and architects. As an institute, SPAV has never compromised on its mission to achieve academic excellence through innovation and research as observed from the unwavering spirit and continued endeavour of our faculty and students who have earned national and international accolades for our institute.

Overcoming the challenges posed by the pandemic, SPAV has done an excellent job in accommodating student and encouraging multifaceted collaborations, that underlies successful planning. Our curriculum is designed such a way that the students are exposed to the practical world through field works, hands-on workshops, seminars, group discussions, interactions with professional and alumni hails across the globe. The department conducted a number of activities related to professional as well academic importance and significance, as per the need of the hour and the changing scenario of town and country planning practices and application.

The purpose of this newsletter is not only to reminisce about the successes of the previous semester, but also to encourage some food for thought through our faculty, staff and student through highlighting the achievement and the contribution of different forms in the newsletter. I wish our readers the best and hope they appreciate this issue as much if not more than our editorial faculty and student's team did while putting this together.

HOD's Message

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



It is my privilege to present the 3rd edition of Department of Planning newsletter brimming with activities, and achievements of the faculty and students, successfully pursuing higher education and working across the country and international. I am extremely pleased to congratulate two of our alumni: 1. Ms. Susmita Paul, M.Plan (URP, 2019-2021) for the best paper presentation at The International Society of City and Regional Planners (ISOCARP) conference held at Qatar in 2021, and 2. Mr. Mohammed Maaz Ali, B.Plan (2015-2019) for the Young Planner award finalist from India by Common wealth Association of Planners (CAP) 2021. My best regards and wishes towards all success in their life.

Having been a professor for last three decades, right about when we believed we had seen it all, the educational setup turned to online modes throwing us an unexpected curve ball. Transitioning from the physical classroom lectures and interactions, we at SPAV, have successfully adapted to these online learning modes at ease, yet achieving the best quality of education through diligent efforts. I feel this change is for the better, and am beyond pleased with the plethora of events that would help equip our future planners with diverse knowledge and skill sets including using urban innovations and reforms aided by the growing technologies.

With an advantage of attending both hybrid learning modes across semesters, I am extremely happy to welcome the incoming batch of 2021, with the immense scope for the new means of exposure. The inquisitive being in me looks forward to brainstorming the rising innovations in our field and wish our planners the best of successes in implementing them.

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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Planners' Heptagon

The Theme



Illustration credits : Karan K(MEPM,1st yr)

A'LA MODE

The French have a certain mystique in their language which rings strongly when one tries to articulate anything exotic. As cliché as the words planning, development, and efficiency are, they are what the world runs on. This issue of our newsletter spotlights the à la mode ideas in planning: innovations, creations, findings, and most importantly the fruits of contemporaneous deliberations and ruminations that have recently redefined our field. Today's ideas are from the evolution and culmination of all of mankind's history, the only constant of which has been 'change'. However, a change to this change in the 2020s has been a sudden cranking up in the pace of this change. Keeping up, the new normal has led to the ideation of ergonomic designs which we would like to highlight and draw your attention to. As future planners, this issue brings to you the emergent ideas that are à la mode. Adieu and Au revoir!!!

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, GoI.

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
Tamil Nadu	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



I - Year



MURP
I YEAR - 23
II YEAR - 23



II - Year



MEPM
I YEAR - 19
II YEAR - 16



III - Year



MTIP
I YEAR - 17
II YEAR - 19



IV - Year

108 nos.

117 nos.

ONLINE INDUCTION PROGRAMME (for first year students)

An online induction programme was organized by SPA, Vijayawada for newly enrolled students on 16th September, 2021. The programme highlighted the facilities and resources available for students to utilize and briefed the students about the life at SPAV.

FACULTY



Professor



Associate Professors



Assistant Professors

Training & Placement

The Training and Placement Cell of SPAV since its origin in the 2014 has continuously been working for the improvement of the employability and placements of our students.

This was the first time it faced a road-block because of the Covid pandemic which made the employment scenario much more difficult than ever. In spite of this, our students managed to earn themselves jobs and positions all across the nation.

Many of our graduates have chosen to go for higher studies and a few have started their journey towards Administrative services to serve the nation. Few notable companies / institutions where our students are working / have worked include:

1. Tata Institute of Social Sciences(TISS),Mumbai
2. LEA Associates
3. NCPE,Hyderabad
4. Town and Country Planning Organisation (TCPO)
5. Council on Energy,Environment And Water
6. Godrej Properties Limited
7. Sahas Zero Waste Pvt.Ltd
8. World Resources Institute
9. Centre for Urban And Regional Planning
- 10.National Institute Of Urban Affairs
- 11.GIZ,India
- 12.DC - Global Design Centre

INTERNATIONAL ACCOLADES

As Napoleon Hill rightly quoted "Patience, persistence and perspiration make an unbeatable combination for success." SPAV is extremely proud to bring to you the two students, who reached the global stage for the passion and love they had for Planning:

- 1) Ms.Susmita Paul, M.Plan (URP, 2019-2021) for the best paper presentation at 57th ISOCARP (The International Society of City and Regional Planners) conference held at Qatar in 2021, and
- 2) Mr.Mohammed Maaz Ali, B.Plan (2015-2019) for the Young Planner award finalist from India by Common wealth Association of Planners (CAP) 2021.



Online Special Lecture on Spatial Planning for Rural Infrastructure



(DATED: 22-10-2021)
 Guest Speaker : Dr. P.Kesava Rao , Head , NIRD & PR, Hyderabad)
 Co-ordinated by Dr.Abdul Razak Mohammed, Mr.Bhagwat Jayeshkumar Maheshkumar

Credit Rating of Municipal Bonds & Criteria for Rating them



(DATED: 28-10-2021)
 Guest Speaker : Dr.Ravikant Joshi , Urban Finance and Management specialist
 Co-ordinated by : Dr. Prasanth Vardhan

Constitution Day



(DATED: 26-11-2021)
 A speech was delivered about the background & history of the Constitutional values.Further Preamble of constitution was read & an oath was swared in the presence of the director.

Disaster Risk Reduction & Climate Change



(DATED: 09-11-2021)
 Guest Speaker: Dr.Sudip Mitra , Head , CDMR
 Co-ordinated by: Dr.Abdul Razak Mohammed, Mr.Bhagwat Jayeshkumar Maheshkumar

Online Special Lecture on Urban Green Spaces And GIS Application



(DATED: 05-04-2021)
 Guest Speaker : Dr.Kshama Gupta, Scientist , Urban & Regional Department , IIRS, ISRO
 Co-ordinated by : Mr.Bhagwat Jayeshkumar Maheshkumar

Vigilance Awareness Week 2021



(DATED: 26-10-2021 to 01-11-2021)
 Vigilance Awareness Week was celebrated from 27th October to with the theme 'Prosperous India', an integrity pledge was taken by each member of the SPA Vijayawada family.

Socio-Economic Challenges towards Spatial Planning



(DATED: 26-10-2021)
 Guest Speaker: Dr.Ratoola Kundu Asst.Professor,Centre for Urban Policy & Governance,School of Habitat Studies,TISS,Mumbai
 Co-ordinated by: Dr.Abdul Razak Mohammed

Sustainable Infrastructure:Exploring with bamboo







(DATED: 12-11-2021)
 Guest Speaker: Mr. Charuchandra Korde Asst.Professor(CTARA),IIT Bombay
 Co-ordinated by: Dr.Abdul Razak Mohammed,Mr.Bhagwat Jayeshkumar Maheshkumar

World Town Planning Day 2021







(DATED: 08 -11-2021)
 Guest Speaker : Dr.Bharat Dahiya , Dr.Laura Verdelli , Dr.Sohail Ahmed
 Co-ordinated by : Dr.Abdul Razak Mohammed , Dr.MinakshiJain, Mr.Rajeev.R

SEMESTER I	SEMESTER III	SEMESTER V	SEMESTER VII
STUDIO TOPIC			
<p>Graphics Studio Fundamentals of drawing (Graphic and design exercise) Geometric Shapes & Forms Projections & views Measured Drawings</p>	<p>Built Environment & Site Planning studio Housing layouts and Site plan for identified settlements</p>	<p>Area Development Studio For Guntur ,Visakhapatnam (A.P)</p>	<p>Regional Plan Kasargod ,Kerala</p>
INTRODUCTION			
<p>This studio is designed to inculcate the knowledge of basic technical drawing skills , visualization , presentation & representation techniques which helps to learn all the fundamentals & basics in order to develop representation & presentation techniques.</p>	<p>The studio exercise focuses on imparting knowledge of planning and development at the lowest planning level of site/ neighbourhood level. The studio exercise intends of developing a cohesive understanding of functional and design relationships between people, and the natural & built environment.</p>	<p>ADP is one of the most important and powerful tools for planning an urban area and facilitating its growth. The studio is aimed at understanding the planning and development process of an area with a focus on spatial planning at the sub-city level ward area.</p>	<p>The studio introduced the process of preparing a regional plan and the challenges associated with it through a multi - sectoral approach. The studio's objective was to assess the backwardness of Kasargod district in Kerala. The studio exercise included sector wise analysis for 28 sectors as prescribed in the Integrated District Development Plan Manual of Kerala</p>
FOCUS			
<ul style="list-style-type: none"> • Manual & digital drawing principles & representation. • Understanding of scale & proportion • Reading maps & plans. 	<ul style="list-style-type: none"> • Housing, site planning process & neighbourhood design layout. • Preparation of questionnaire, survey, analysis & gap/issue identification. 	<ul style="list-style-type: none"> • The planning studio exercise is towards giving exposure to the students related to the process & stages of preparation of an area development plan. 	<ul style="list-style-type: none"> • Preparation of a Regional plan for a district or a region with rural as well as urban settlements while imparting techniques, tools & preparing a development plan for a district.
AREA OF STUDY			
 <ul style="list-style-type: none"> • Based on studio exercise 			
OUTCOME			
<p>The output of the studio would be in the form of portfolio submissions - sketching, photography, drawing, map preparation, physical models by model making & sheet presentations. As a result, above mentioned concepts would collectively guide them to build up a awareness of scale & proportions in drawings, which is essential in Planning profession.</p>	<p>Proposed residential layouts for the identified settlements would be prepared. These proposals would be based on the analysis, evaluation of standards, formulation of alternative strategies , etc. The plans thus prepared shall take into account the pressing issues & planning solutions for a sustainable future.</p>	<p>Area development plans were prepared for Residential,commercial & mixed use with addressing all the issues & problems with in the area. Developed area development plan at the neighbourhood level.</p>	<p>A need-based, issue-based and policy-based proposals for 13 sectors were prepared by addressing the issues and utilizing the opportunities. Threats were considered for development which was identified in the previous stage.</p>
STUDIO COORDINATORS			
<p>Dr.Solanki Ghosh Dr.Faiz Ahmed</p>	<p>Mr.Sreekanth Satheesh Dr.Arpan Paul Singh</p>	<p>Dr.Arpan Paul Singh Mr.Sreekanth Satheesh</p>	<p>Dr.Prasanth Vardhan Dr.Adinarayanane R</p>

B.PLAN

PLANNING ODD SEMESTER STUDIO '21-22

MPIS SEMESTER I	MURP SEMESTER III	MEPM SEMESTER III	MTIP SEMESTER III
STUDIO TOPIC			
<p>Area Planning Studio Local Area Plan Area Appreciation Site Planning</p>	<p>Regional Development Plan Alapuzha district,Kerala</p>	<p>Integrated Regional Environmental Plan (Ganjam District 2041)</p>	<p>Comprehensive Mobility Plan Guntur,Andhra Pradesh</p>
INTRODUCTION			
<p>The studio introduced the process of preparing a local area plan and the challenges in it through a multidisciplinary approach. The exercise included area appreciation and sectorial analysis.The site planning exercise that followed, explored planning in a scaled-down but a more detailed approach.</p>	<p>The studio is aimed at preparing & understanding of a regional development plan to achieve socio-economic upliftment & optimum utilization of resources inorder to promote balanced regional growth & sustainable development of the district.</p>	<p>The studio is aimed at helping the students to understand the environmental concerns,potentials and in applying environmental planning approaches and techniques in the traditional regional planning process at a district level.</p>	<p>The studio focuses on inculcating in the students a detailed understanding of the various surveys and processes of data collection and analysis that a transport planner is required to carry out in order to develop the travel demand modelling for a city and prepare a comprehensive mobility plan.</p>
FOCUS			
<ul style="list-style-type: none"> • Inter-sectoral Analysis • Housing Improvement • Area Appreciation & analysis methods 	<ul style="list-style-type: none"> • Human Resource and development Spatial development • Economic and Infrastructure development • Environmental Management 	<ul style="list-style-type: none"> •The regional environmental development plan for Ganjam District takes an integrated approach 	<ul style="list-style-type: none"> •Transportation aspects in the preparation of a regional plan •To develop a comprehensive mobility plan for the city.
AREA OF STUDY			
			
OUTCOME			
<p>A demand gap analysis across multiple sectors such as transportation, housing ,physical & social infrastructure,tourism &heritage based on projected needs.The relationships between the different sectors were analysed & interventional spatial proposals across different sectors were used to arrive with the proposed land use map.</p>	<p>A set of proposals of both policy & spatial planning intervention have been arrived & it has been integrated to link sectoral proposals whose implementation is aimed at reducing the socio-economic disparities within the region & its sustainable development.</p>	<p>The outcome of the studio is established in two tiers , the Integrated Inter-sectoral Proposals –IIPs (District Level High Impact Proposals) & the District Sectoral Proposals – DSPs (Block and GP level proposals for each Sector).</p>	<p>The proposals for the horizon year scenarios consisted of Corridor densification, Carbon sequestration, Road network developments, Traffic management plan, E-Mobility (PT & IPT) Plan, NMT Plan, and Parking Plan.</p>
STUDIO COORDINATORS			
<p>Mr.Valliappan AL Ms.Vasavi Yarram</p>	<p>Mr.Rajeev R Dr.Abdul Razak Mohammed</p>	<p>Dr.Ayon Kumar Tarafdar Mr. Jayesh Bhagwat</p>	<p>Ms.Naina Gupta Ms.Vasavi Yarram</p>

M.PLAN

PLANNING ODD SEMESTER STUDIO '21-22

B.PLAN
YEAR I - SEMESTER I

Graphics Studio

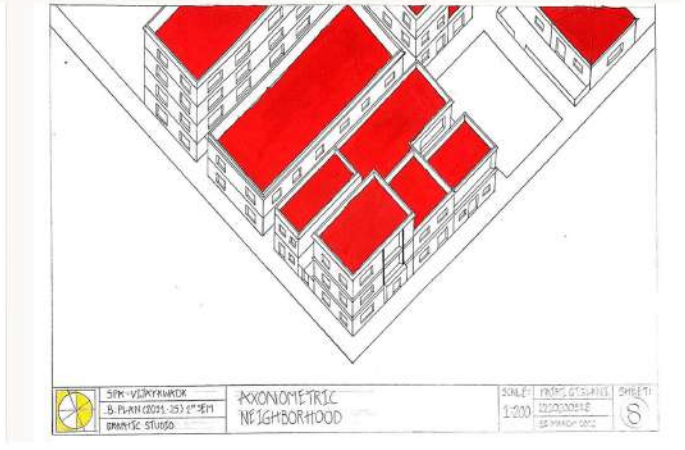
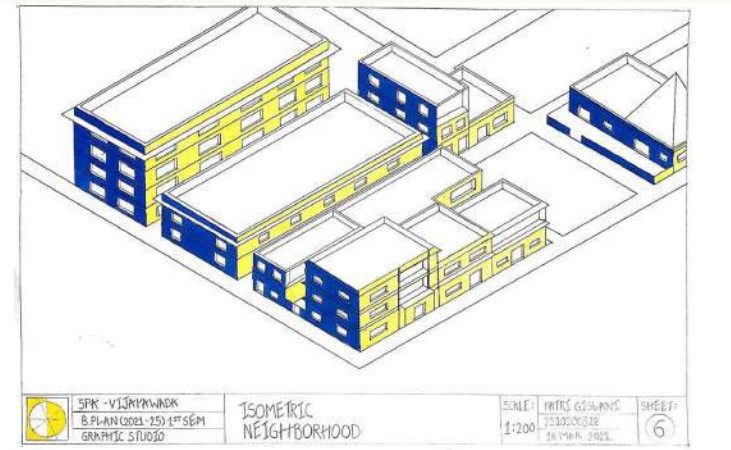
Dr.Solanki Ghosh
Dr.Faiz Ahmed



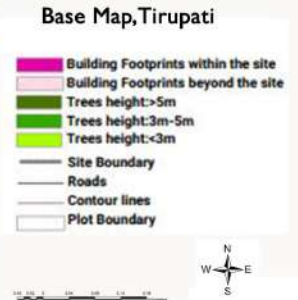
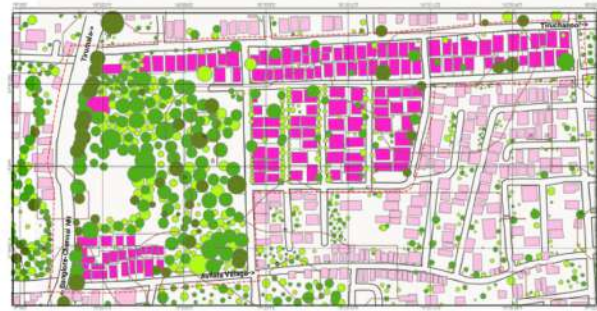
Key Aspects of Study
Basic techniques of drawing and visualizations

Location of Study
Reading map and building plans

Need for Study	Survey Performed / Methodology	Proposal and Outcome
<p>The structure of the studio enables students to understand about drawings, to accelerate the thought process on visualization and presentation in manual/digital format. It includes various exercises such as drafting of the fundamental elements - points, lines of various styles and intensities, geometric shapes and patterns using different drawing equipment/materials. Also, various symbolic illustrations of human beings, vehicles, landscapes, buildings; along with usage of suitable colour-coding, fonts and formats, which all together make it easy in preparing an aesthetical presentation as per the standards. Provided with an in-depth knowledge of the manner and the mode to learn and understand fundamentals, graphical, visual presentation, views and measured drawings.</p>	<p>After comprehensive elucidation about the basics, students would be able to understand the principles of geometry by working on different shapes and forms. Also, the composition of solids and sketching - shall lead them to gain the knowledge about built space. Further, three-dimensional (3D) modelling would educate them in developing viewpoints such as orthographic projections, isometric, and perspective views – one point and two points.</p> <p>In addition, there would be a variety of exercises which could nurture students' capabilities and self-confidence to take up further planning projects - Micro to macro.</p>	<p>The output of the studio would be in the form of portfolio submissions - sketching, photography, drawing, map preparation, physical models by model making and sheet presentations. As a result, above mentioned concepts would collectively guide them to build up a complete awareness of scale and proportions in drawings, which is essential in Planning profession.</p> <p>in the fundamentals of drawing graphic and design exercises: the students are made to do free hand sketches with certain themes to understand the basic techniques of drawing and visualization. They are also introduced to the color wheel and color theory to understand and excel their knowledge in understanding primary, secondary and tertiary colors.</p>



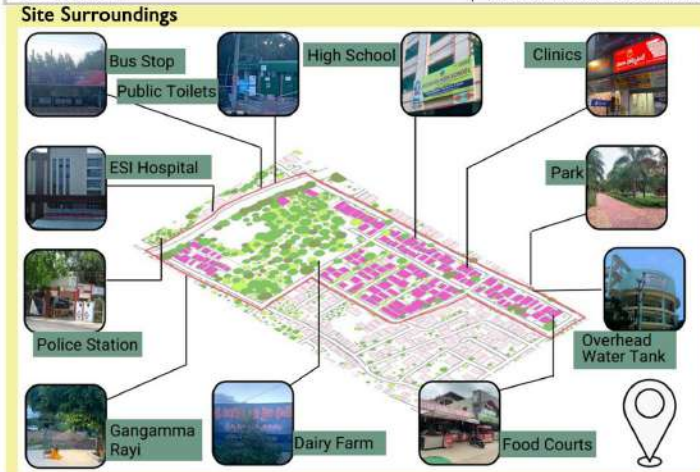
B.PLAN
YEAR II - SEMESTER III
Built Environment & Site Planning Studio
 Mr.Sreekanth Satheesh
 Dr.Arpan Paul Singh



Key Aspects of Study
 Site Planning , Land Use , Liveability Infra-structure , Sustainability , Walkability, Affordable Housing

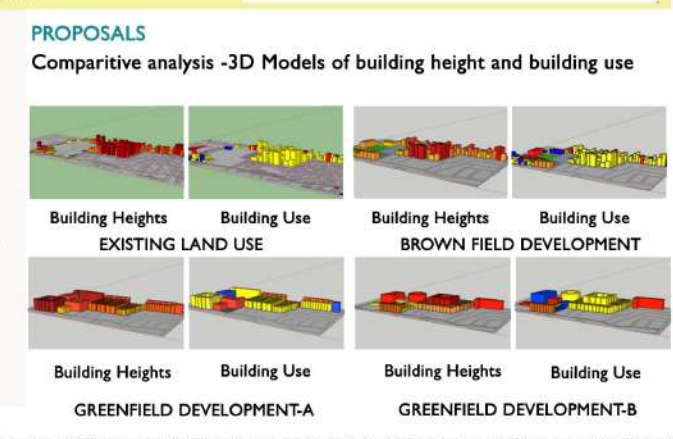
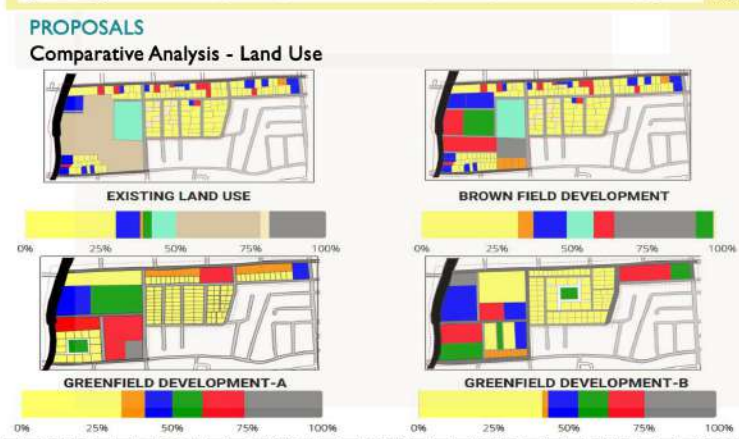
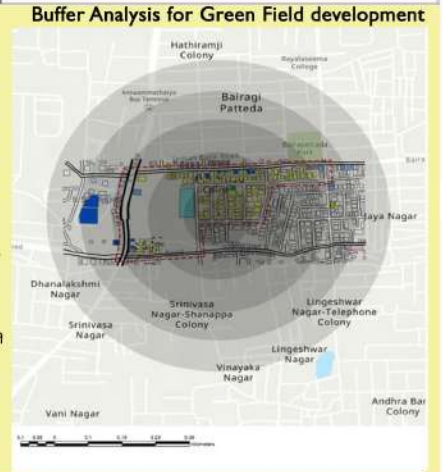
Location of Study
 10 diverse neighbourhoods from various locations across India

Need for Study	Survey Performed / Methodology	Proposal and Outcome
<ul style="list-style-type: none"> Developing the ability to comprehend the context, layout regulations and design, housing & service / infrastructure complexities, situations and emerging issues. Understanding and analysing topography, climate, drainage, site services, site characteristics, infrastructure provisions etc. Improving the lifestyle of residents through various planning and design interventions. <p>Provision of an environment where variety of local business can thrive and offer choices.</p> <p>Creation of open spaces and community gardens to encourage people interaction and join in making decision for the future of the community</p> <p>Identify potential strategies and tools for neighbourhood stabilization efforts which will create opportunities for accommodating diversity in residents with respect to nationalities , income and occupation.</p>	<p>STEP 1: Site Selection - Selection of a suitable site for study through site visit or using online resources.</p> <p>STEP 2: Reconnaissance Survey - On ground survey was done in order to analyse the built form, topography, layout, housing design/ neighbourhood design, accessibility, infrastructural services, etc.</p> <p>STEP 3: Secondary Data Collection - 2% or more of the population was made to fill a questionnaire form in order to collect some detailed information and get an even better understanding of the site and the resident's issues.</p> <p>STEP 4: Analysis & Proposals - After collection of data and utilising references from some standard sources such as URDPFI, CPHEEO & IRC, analysis of various aspects such as population projection, water demand etc. were carried out.</p> <p>STEP 5: Layout Preparation - Proposed residential layouts were prepared on the basis of the analysis, evaluation of standards, formulation of alternative strategies, etc.</p> <p>STEP 6: Finalised layouts - Three Major layouts were proposed for development based on the analysis, (Brownfield , Greenfield A, Greenfield B)</p>	<p>The studio exercise was divided into 3 stages:</p> <p>Stage 1:- Background and desktop Case Studies: Lectures, tutorials and learnings and desktop studies undertaken by students.</p> <p>Stage 2:- Identification of the Settlements and analysis: The students were required to undertake analyses of the existing settlement /neighbourhoods with respect to provided indicators of quality of life inherent in its design and functionality. Finally the students had calculated population growth and its projection and liable infrastructural requirements for the identified neighbourhood(s).</p> <p>Stage 3:- Proposed layout Alternatives: The students proposed 3 alternative layouts for the chosen neighbourhood with the design based on different concepts of neighbourhood design, urban renewal, urban revitalization, smart cities, ToD oriented neighbourhood etc.</p>



The site is surrounded by many facilities which are in closer proximity. We have a commercial belt of food courts, pharmacies, butchers stores, and various other shops. The site has a good count of health care centers and clinics. The overhead water tank has a capacity of 1500 litres located inside Bairapatteda park and supplies water to the entire area

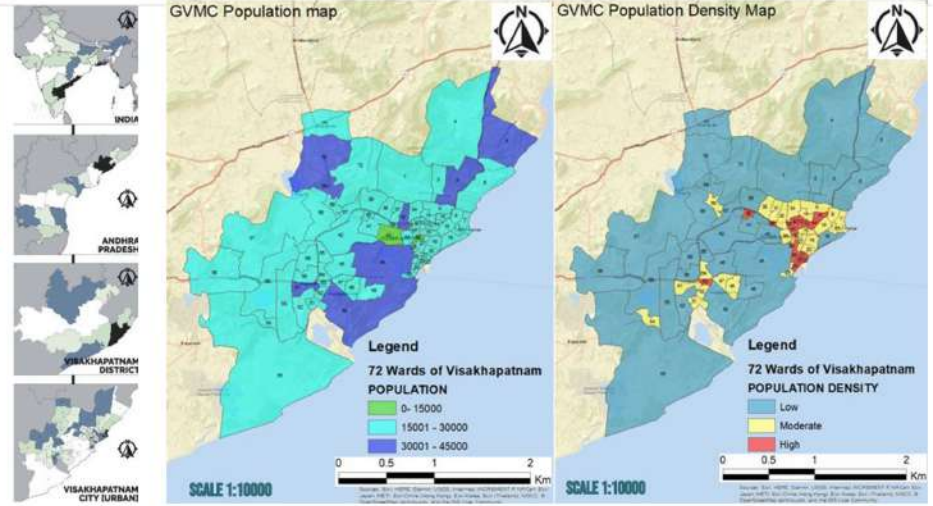
Buffer Analysis performed considering different locations within 100m to 500m radius



B.PLAN
YEAR III - SEMESTER V
Area Development Studio
 Dr.Arpan Paul Singh
 Mr.Sreekanth Satheesh

Key Aspects of Study
 Transit-oriented development, Infrastructural improvements, Road network & transport junction design etc

Location of Study
 Visakhapatnam, Andhra Pradesh



Need for Study
 Ward 7 has mainly residential, commercial, and mixed-use types of land whereas ward 17 is a slum having a fishermen population. Ward 7 has a moderate level of hazard risk exposure whereas ward 17 has a high.

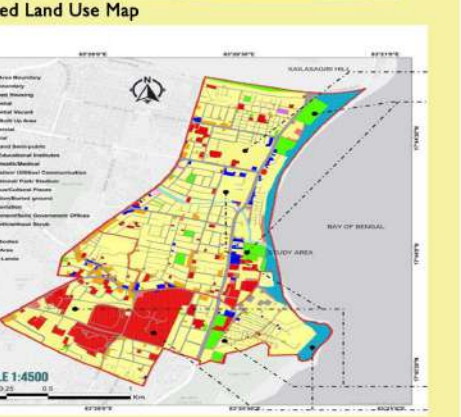
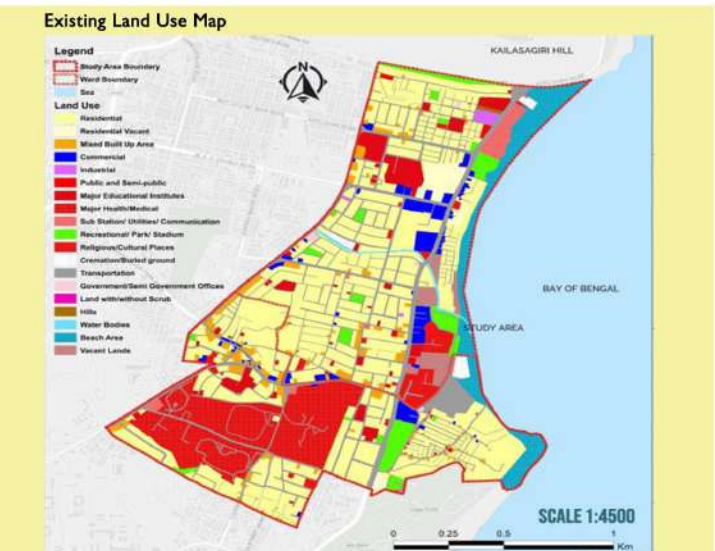
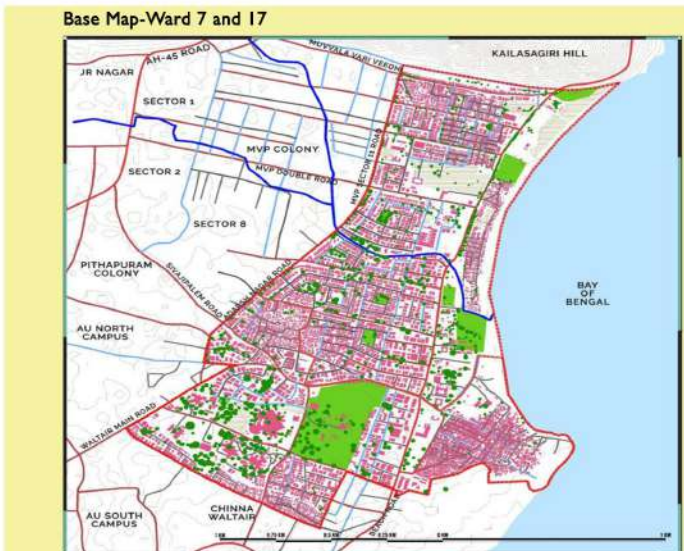
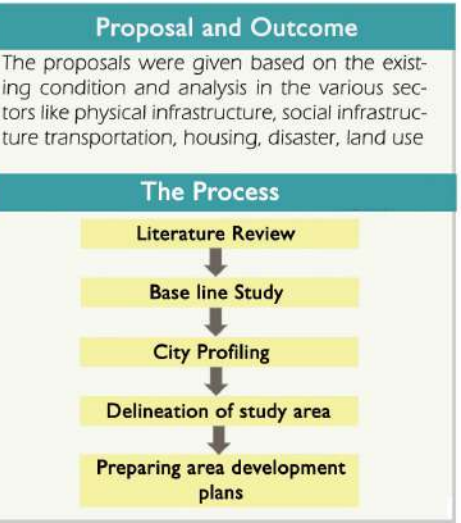
Ward 17 has organic settlement whereas a few parts of ward 7 are planned. Infrastructure and facilities are better in ward 7 in comparison to, ward 17. The site is densely populated with various closely located building footprints. Settlement is observed in a grid pattern. The settlement is unplanned, chaotic, and compact in only a few places.

Besides settlement pattern, the site has been facing other issues as well including economic divergence where HIG, MIG and LIG all 3 kinds of economic group stays but at different part of the site making it less inclusive. And also, 50% of the site belongs to CRZ - III and faces major damages due to cyclone, flood and soil erosion

Survey Performed / Methodology

STAGE 1: Background Study Including Literature Study Understanding the site area including location, regional setting, physiography and making Basemap, understanding the evolution of the site, land use, temporal change of LULC and LST.

- STAGE 2: Identification of Site Needs
 - Collecting online data from various sources and from that understanding the strength, weaknesses of the site to draw out the need of the site and what all opportunity or threat may occur.
- STAGE 3: Data Collection
 - Gathering data by doing online survey and taking people's perception. Getting data related to all infrastructure.
- STAGE 4: Analysing the Projected Needs
 - Projections for population, housing, transportation, social and physical infrastructure and disaster mitigation needs and change of land use.
- STAGE 5: Development of Vision & Proposals
 - To make the site "A Resilient Zone". And also setting up the vision statement.



B.PLAN
YEAR IV - SEMESTER VII

Regional Plan

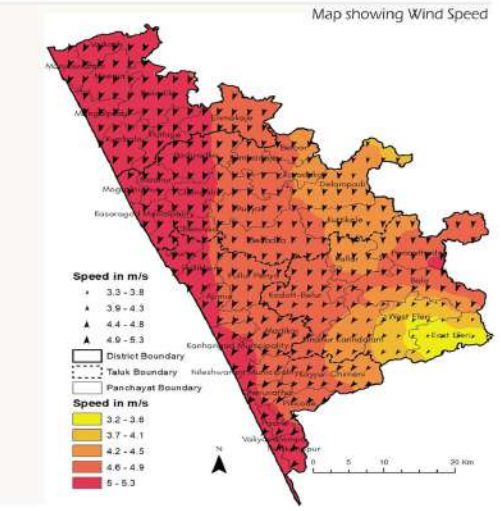
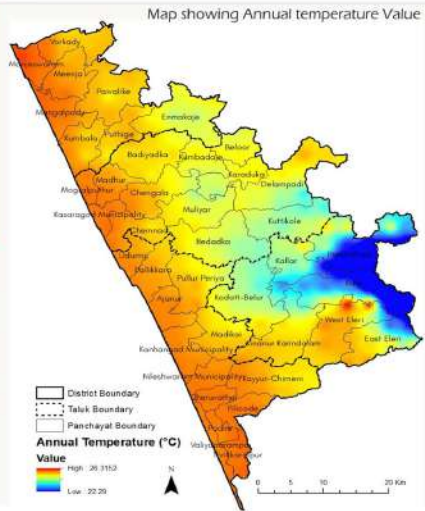
Dr.Prasanth Vardhan
Dr.Adinarayanane R

Key Aspects of Study

Analyzing all sectors to understand regional disparities to aid the preparation of a regional plan

Location of Study

Kasaragod district,Kerala,India



Need for Study

The Kasaragod district was ranked last in the development index and regional disparities were identified throughout the district. Therefore there was a need to develop the district to improve the condition and quality of life in the district.

The Process

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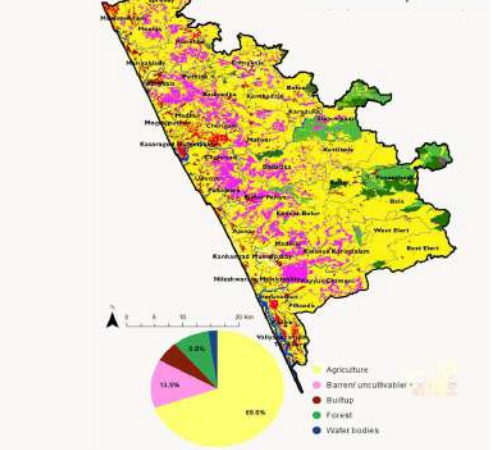
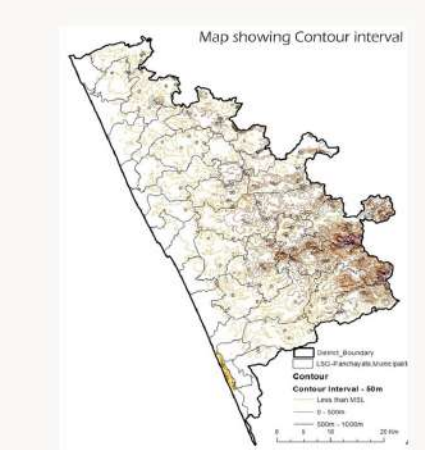
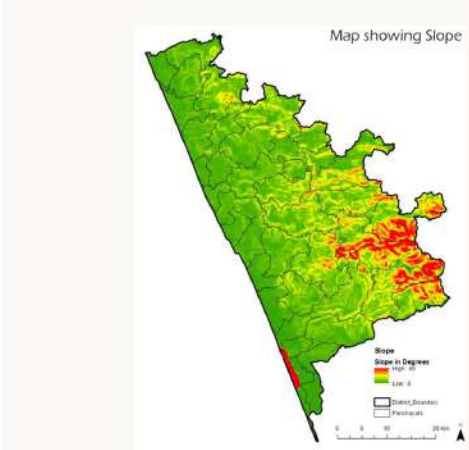
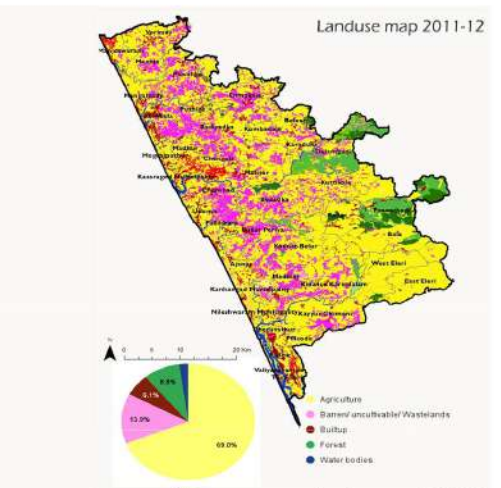
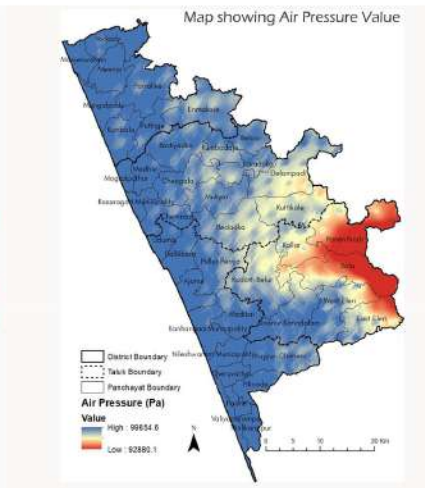
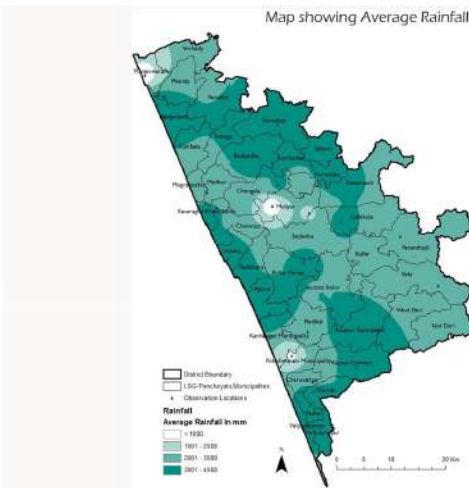
    graph TD
      A[Literature study] --> B[Delineation of study area]
      B --> C[Sectoral data distribution]
      C --> D[Existing situational assessment]
      D --> E[Identification of issues]
      E --> F[Proposals (15 sectors)]
    
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Survey Performed / Methodology

Introduction to studio began with a detailed understanding the regions and existing plans, methods. The literature study was carried out in the initial stages. The referred documents listed are IDDP Kerala, IDDP Guidelines, Regional Planning and delineation, Settlement hierarchy and Urban-Rural Continuum. This helped in understanding the components of a Regional development plan and collecting tools and techniques needed for the exercise. This was followed by the finalization of sectors with respect to the Kasaragod district (28 sectors). Each sector initially studied the existing situation of the district and assessed accordingly. After various sectoral analyses the issues were identified and Proposals were given for 13 sectors on need based, issue-based and policy based approach with respect to the region.

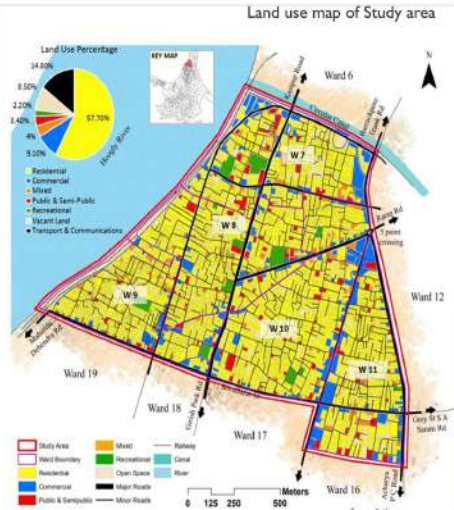
Proposal and Outcome

Literature Review: A detailed literature review was prepared on topics like, region, regional planning, delineation techniques, special purpose plans, settlement hierarchy, economic base theory, planning jurisdiction, urban-rural continuum and also on the Integrated District Development Plan approach followed in Kerala. Analysis: Sector wise analysis was carried out for 28 sectors which followed by a comprehensive identification of issues, opportunities, threats and innovation for the Kasaragod district. Proposal: The proposals were prepared for 13 sectors on a need-based, issue-based and policy-based approach. The issue based approach was followed by 4 sectors - Agriculture and Irrigation, Settlement Hierarchy, Transportation and Housing. The need based was followed by Animal Husbandry, Industries, Health, Drinking Water, Transportation, Power, Disaster Management, Education, Poverty and Tourism. The policy based approach was followed by Drinking water, Education and Poverty.



MPIS
YEAR I - SEMESTER I
Area Planning Studio
Mr. Valliappan AL
Ms. Vasavi Yarram

Key Aspects of Study
 Land use map, Social and Physical Infrastructure, Transit Oriented Development, Housing, Smart solutions
Location of Study
 Wards 7,8,9,10,11 Kolkata Sector 24 of Dwarka,Delhi



Need for Study

The study area has major junctions that experience high traffic congestion that significantly increases commuters' travel time along with increasing pollution level. Slum Areas at the study areas have popped up in pockets of urban lands with well-developed areas around it representing disparities and differences in the society. Unorganized vendors who occupy most of the area near the important landmarks at the site create additional problems such as traffic delays. The study would help in resolving major problems through spatial planning of the study area.

The Exercises

Area appreciation Studies
 Site Planning techniques and Analysis methods
 ADP Standards, Guidelines and techniques

Survey Performed / Methodology

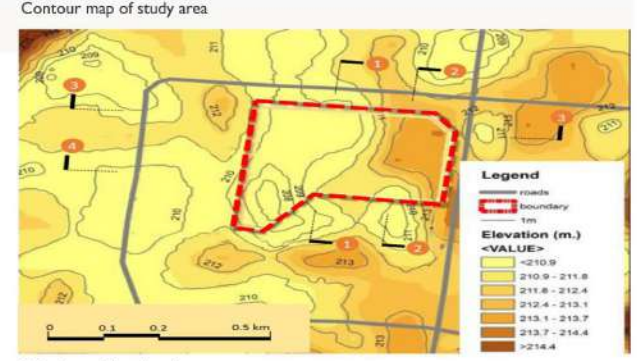
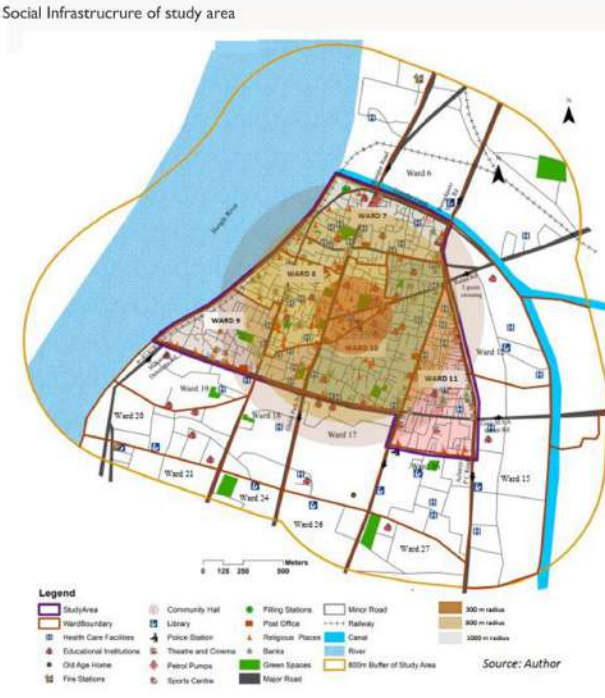
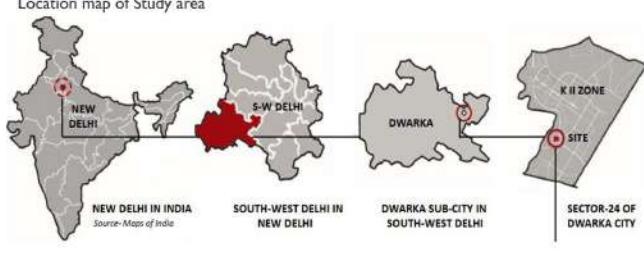
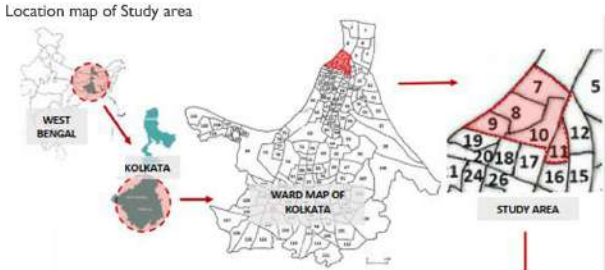
The objective of this Local area planning project lies in envisaging the study areas as a zone of consolidation and stabilization of growth. This zone involves strengthening infrastructure to hold higher densities and more population within the zone, stitched together by an effective transport policy that accelerates the process of development.

1. Development - To upgrade and develop the shadow regions to carefully decongestion CBD activities. (Shadow regions are the areas that have accumulated disadvantages and shortages with regard to the Physical & social infrastructure and that needs to be upgraded).
2. Employment - Generate job opportunities for the economically weaker population of the study area.
3. Better Living conditions- Formulate better waste management practices.
4. Effective TOD policy - better transport network, Reduction in traffic congestion in the major junctions and to make pedestrian pathways safer and cleaner.
5. Improving Hygiene - Develop proper vending facilities for local sellers thereby increasing their income

Proposal and Outcome

Understanding of the site - An area of 1 sq. km must be chosen, and the character must be identified, as well as the research area's aims and objectives. The reasoning for the selection of the site area, planning zones must be identified. Site analysis- The area was studied through research and data collecting for each sector through primary and secondary surveys, with analysis of the same. Understanding assessing site conditions and data assimilation. The next step was to do a literature review to better understand the core components and find solutions to the problems that were encountered at the local area level.

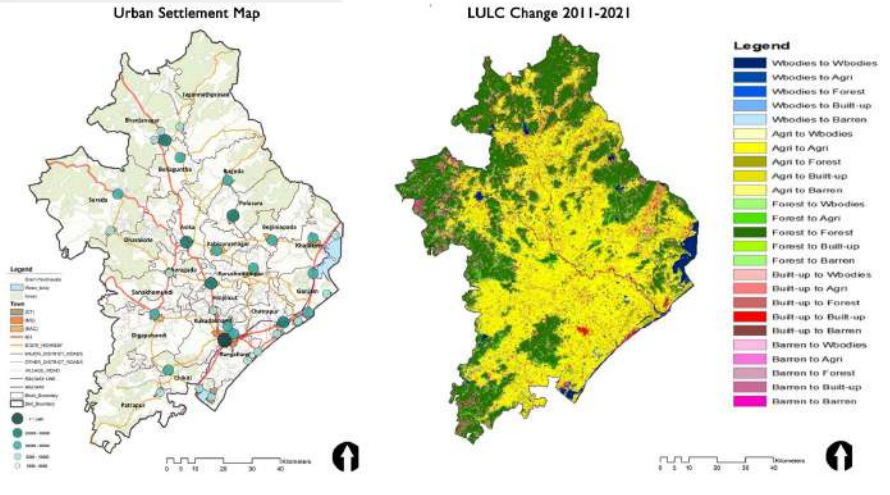
Proposals - Analyses and literature reviews have resulted in design suggestions of proposals for housing, Transit oriented development, Vendor zone relocation, Integrated solid waste management, Smart city recommendations and proposed land use plan of 2027.



M.PLAN
YEAR II - SEMESTER III
Integrated Regional Environmental Plan (MEPM)
 Dr.Ayon Kumar Tarafdar
 Mr.Jayesh Bhagwat

Key Aspects of Study
 LULC,Bio diversity,CRZ,Industries,Tourism, Governance

Location of Study
 Ganjam district



Need for Study

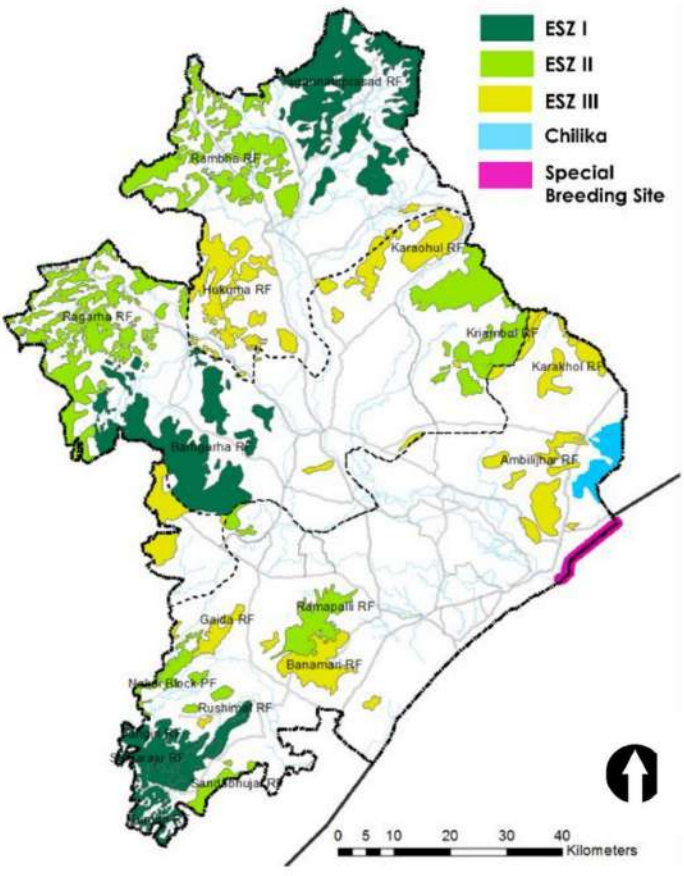
The district has a long stretch of coastline which is predominantly pristine yet threatened with repeated tidal surges, erosion and unchecked human development activities. Agriculture is the main occupation of the district. This middle belt is where most settlements, industries and urban nodes exist. The settlement pattern is concentrated in few blocks, industrial growth is rampant and unchecked, deterioration and decline in aspects related to water resources, soil conditions, and green cover has been the trend and concern in the last 2 decades. The frequent occurrence of floods, cyclone, and coastal erosion adds to the apprehensions. Urban growth is limited and distribution of infrastructure is without a clearly spelt out development agenda. In this backdrop, the students embarked upon the need to evolve a roadmap for the development of the district for the next 20 years that improves its spatial growth pattern, gives direction towards economy (primary and secondary sectors) and revives its natural resources, without adversely affecting environment and ecology



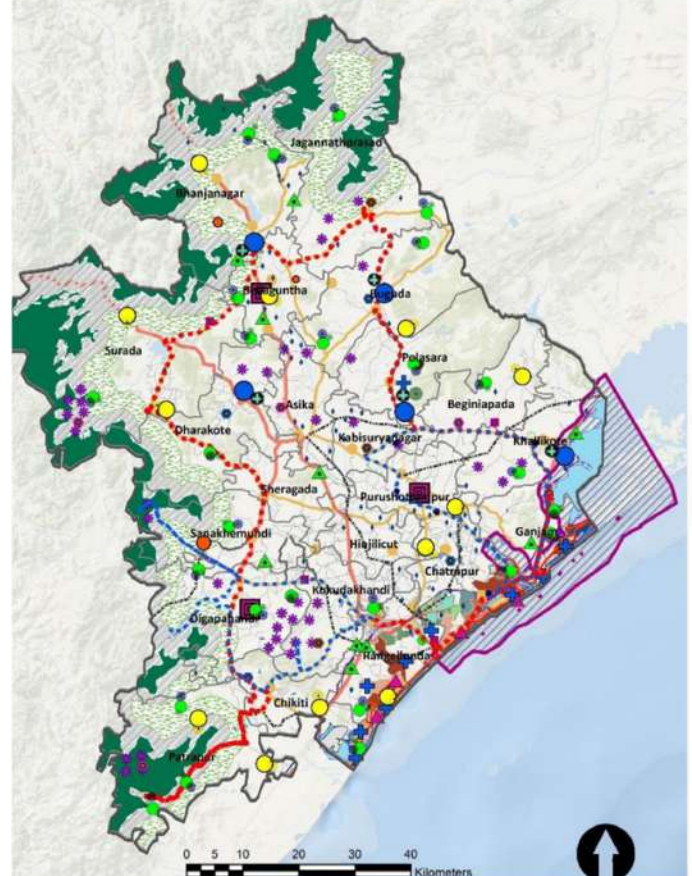
Proposal and Outcome

Based on detailed sectoral analysis, the students came out with 5 development principles, which can guide them for the detailed proposals and which are aligned to the overall vision of the district, as follows: Environmental Sustainability, Economic Growth, Equitable Growth, Resilience, Good Governance. Each of these development concepts were elaborated through two tiers of detailed proposals:
 Tier I : Inter sectoral proposals
 Tier II : District Sectoral proposals

Eco-sensitivity zoning of forests



Comprehensive Proposals Map



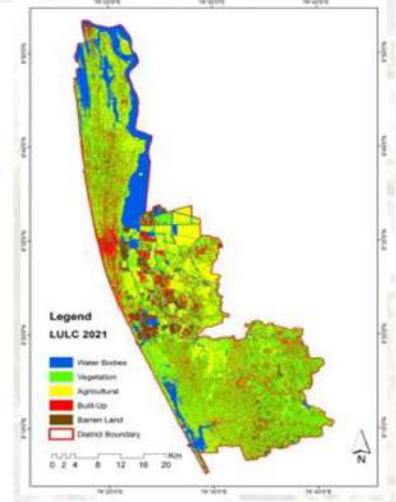
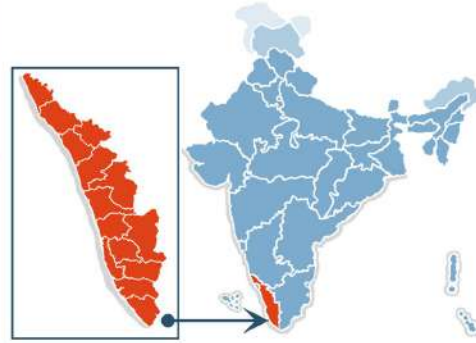
Location Map of Alappuzha ,Kerala

LULC - 2021

M.PLAN
YEAR II - SEMESTER III
Regional Planning Studio (MURP)
 Mr.Rajeev.R
 Dr.Abdul Razak Mohammed

Key Aspects of Study
 Land use map, Social and Physical Infrastructure

Location of Study
 Alappuzha district,Kerala



Need for Study

Alappuzha is a well developed coastal district in Kerala's southernmost region. The district's expanding tourism demand is a result of its predominant physiographic features, which includes a large portion of the district being water locked despite the lack of high terrain or forest land. Multiple anthropogenic pressures on the delicate wetland system, altering the socio-economic paradigms and persistent ad-hocism as well as neglect in resolving concerns have worsened the challenges faced by urban and rural residents, leading in economic decline, livelihood loss and social depression. The main challenge is to conserve and enhance the beauty and bounty of this eco system by creating an economic stake in the conservation. Land and water resources are scarce in the district due to its strategic location. Therefore planning for balance between economic benefits and land use potential is the need of the hour for the district of Alappuzha with focus on its ecological and socio-economic dimensions.

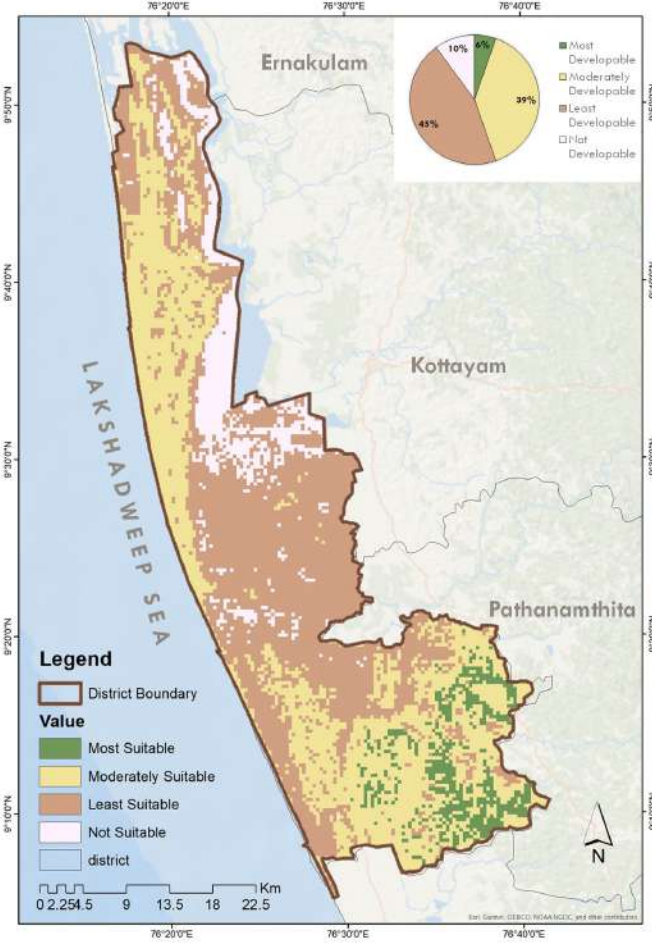
Survey Performed / Methodology

The vision of the studio is to formulate a regional development plan that envisions Alappuzha as a self-sufficient, ecologically balanced and socially inclusive district that anticipates and plans for the growing population by improving the natural and built environment while optimizing the resource allocation to achieve greater efficiency and better provision of opportunities. This was followed by formulating overall objectives. The study focuses on various aspects of planning like human resource development, settlement hierarchy, land use, economic development, infrastructure and environmental management. The data for the existing situation analysis has been collected from both primary and secondary sources. The primary data has been collected through telephonic conversation with the respective departments and secondary data through online sources. The collected data were analyzed by identification of issues and limitations of the study area.

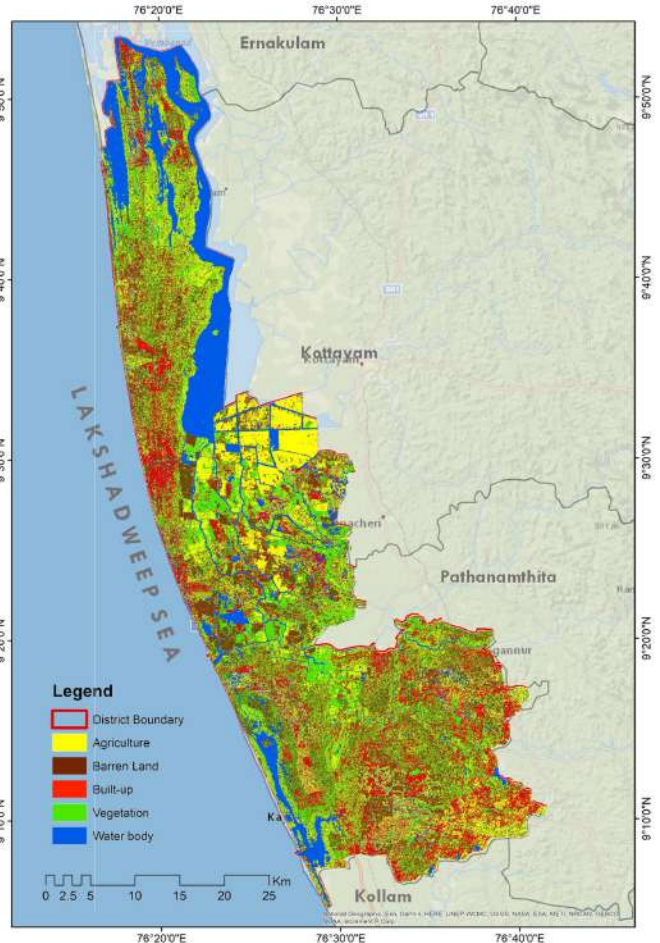
Proposal and Outcome

The various inferences from the analysis helped in identifying issues and potential of the sectors. Further all the sectoral models were combined with the land prediction model and land suitability map to identify zonal maps in terms of developed, developable, least developable and non-developable. The analysis have been represented in a spatial form to achieve the vision of the studio exercise, which is to formulate a regional development plan that envisions Alappuzha as a self-sufficient, ecologically balanced and socially inclusive district that anticipates and plans for the growing population while optimizing the natural and built environment while optimizing the resource allocation to achieve greater efficiency and better provision of opportunities. To achieve this vision and address the concerns, specific proposals were formulated focusing on certain development concepts. Further all the sectoral proposals were combined along with the land prediction model and land suitability map to identify zonal maps in terms of developed, developable, least developable and non-developable.

Land suitability Map for Development



LULC Prediction model -2041



M.P.LAN
YEAR II - SEMESTER III
Comprehensive Mobility Plan (MTIP)
 Ms. Naina Gupta,
 MS. Vasavi Yarram

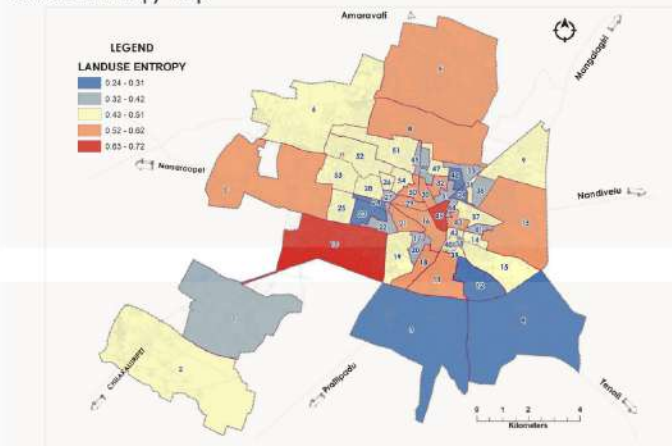
Key Aspects of Study
 Development of PT Corridor/
 Re-densification, Land-use-Transport
 integration, Travel demand modelling
Location of Study
 Guntur, Andhra Pradesh

Mobility Map of Guntur Municipality

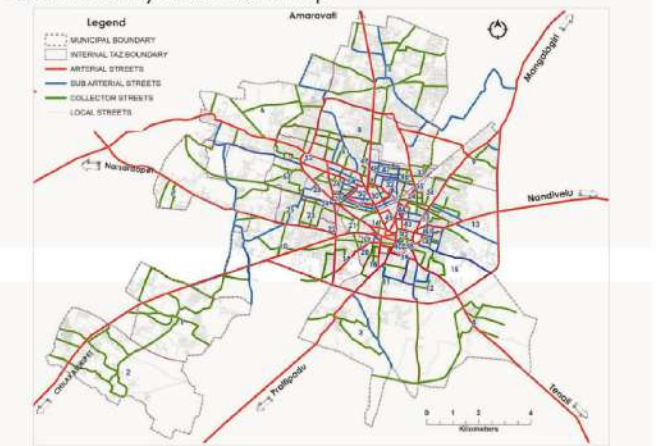


Need for Study	Survey Performed / Methodology	Proposal and Outcome
<p>The studio focuses on inculcating in the students a detailed understanding of the various surveys and processes of data collection and analysis that a transport planner is required to carry out in order to develop the travel demand modelling for a city and prepare a comprehensive mobility plan.</p> <p>A comprehensive mobility plan (CMP) of any city presents a technical document containing short, medium and long term schemes and action programs for the mobility of people and goods with emphasis on mass transport system in an urban area.</p> <p>The CMP will be a key document to justify and support transport proposals of the city, to the Central Government and multilateral funding agencies.</p> <p>To provide safe, secure, efficient, reliable, & seamless connectivity & enhances economic social & environmental sustainability</p>	<p>In this exercise the students studied the existing situation in the city by analyzing various aspects of transportation such as Network & Land-use, Traffic and Travel, PT & IPT, Parking, Terminal, NMT, and Environmental. The data collection was done using various surveys as well as from secondary sources due to pandemic situation. The travel demand modelling was done for overall passengers using PTV VISUM package, and exclusive PT demand modelling was performed using CUBE VOYAGER package. Various horizon year scenarios were built, which includes as corridor densification scenario, Zonal Development Plan scenario, and Business-As-Usual scenario. Apart from this, the emission modelling was also performed, which used CALINE4 package to estimate the pollution dispersion in the horizon year. The exercise concluded with suggesting development plans for the city which consists of various proposals to fulfill the demand of horizon year in the city in a sustainable manner.</p>	<p>The students studied the existing condition of the cities transport through Traffic Volume Count Surveys, Road inventory surveys, Speed & Delay survey, Household OD Surveys, Land-use establishment study, PT performance assessment, Air pollution (Dispersion model), Black spot identification, etc. This was followed up by modelling of travel demand and dispersion, and forecasting of the same for the horizon years. After the scenario building and comparison of the scenarios, a best scenario was identified and proposals were made accordingly. The proposals for the horizon year scenarios consisted of Corridor densification, Carbon sequestration, Road network developments, Traffic management plan, E-Mobility (PT & IPT) Plan, NMT Plan, and Parking Plan</p>

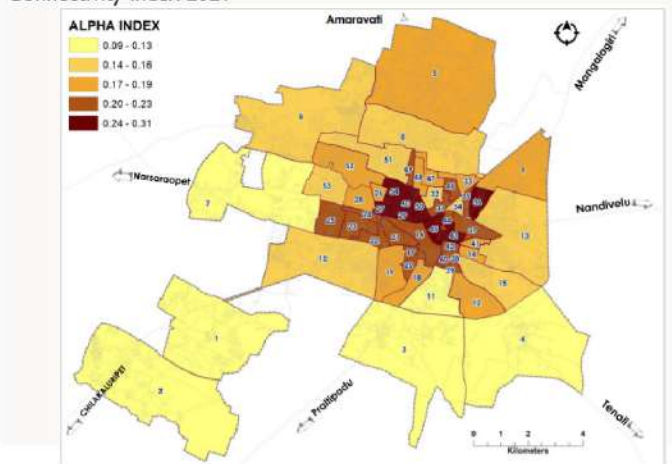
Landuse Entropy Map



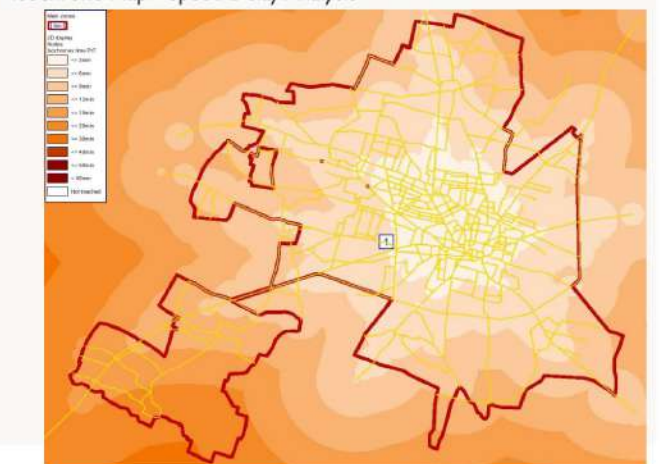
Road Hierarchy Classification Map



Connectivity Index 2021



Isochrone Map - Speed Delay Analysis

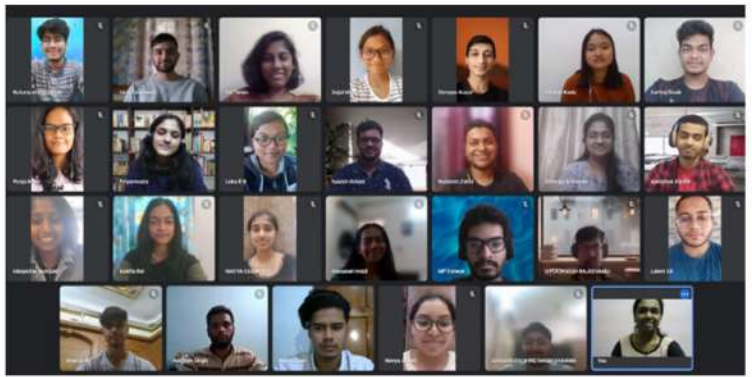


B . PLAN

1
st Year
BATCH
2021-2025



2
nd Year
BATCH
2020 - 2024



3
rd Year
BATCH
2019 - 2023



4
th Year
BATCH
2018 - 2022



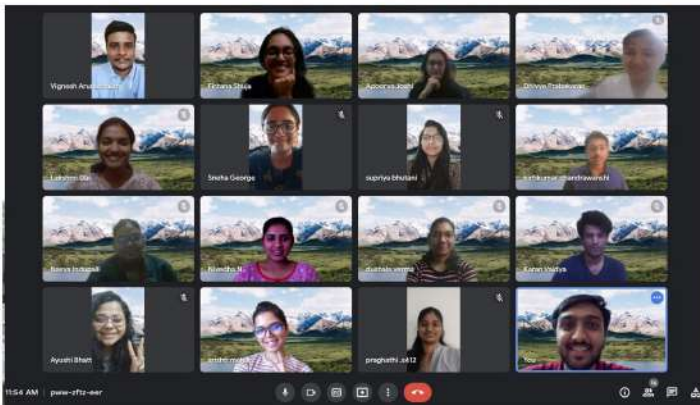
CLASSES HAVE BEEN CONDUCTED ONLINE DURING THE ODD SEMESTER
2021-22

M . PLAN

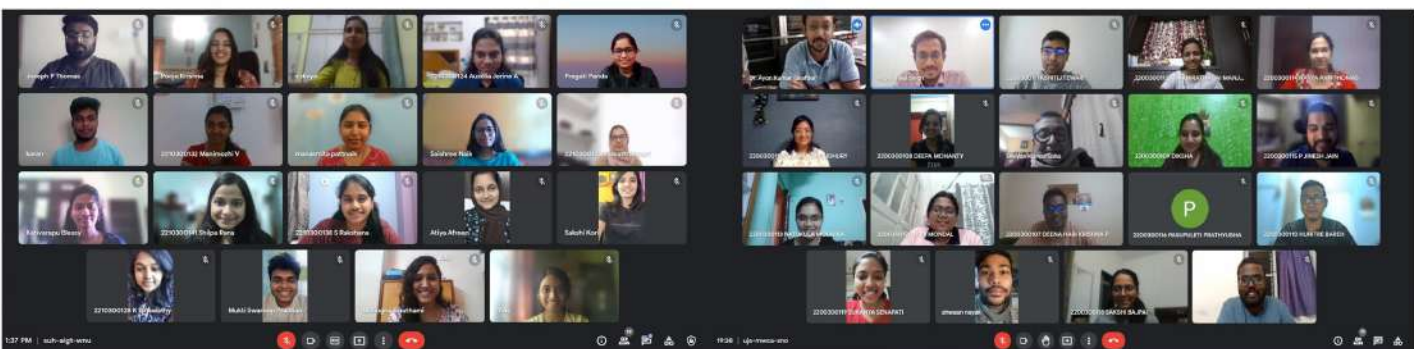
I YR 2021-2023 MURP II YR 2020-2022



I YR 2021-2023 MTIP II YR 2020-2022



I YR 2021-2023 MEPM II YR 2020-2022



Faculty Achievements & Publications

• Dr.G.Arpan Paul Singh , Awarded with Ph.D. degree from the Dept. of Architecture and Planning, IIT Kharagpur (2022)

• Dr.G.Arpan Paul Singh ,Shankha Pratim Bhattacharya,Sumana Gupta Coauthor of the journal "Assessing the discrete and systemic response of the Built Environment to an Earthquake [Sustainable Cities and Society, 76 (September 2021), 103406. (Elsevier Pbs) <https://doi.org/10.1016/j.scs.2021.103406>]

• Dr.G.Arpan Paul Singh presented a paper named A Study of Seismic Design Defects in Medium and Low-Rise Buildings: Causes, Design Strategies, and Preventive Mechanisms in 5th World Disaster Management Congress (WCDM)(2021). ISBN: 978-93-5346-919-1

• Dr.Ayon Kumar Tarafdar delivered an invited lecture titled "UNRAVELLING STIP FOR CLIMATE RESILIENT URBAN DEVELOPMENT" held at IISc Bangalore on 16.03.22 as a part of the "NIAS DST Training Programme on Science, Technology and Innovation Policy" by NIAS IISc Bangalore. Funded by DST, Govt of India. Lecture attended by over 40 participants.

• Dr.Ayon Kumar Tarafdar was invited to deliver Opinion Talk on "PMAY and Beyond - Convergence with Livelihood Program" by Ministry of Housing and Urban Affairs, Govt of India, Delhi. Delivered a Talk titled "Vulnerabilities, Informal Urban Housing and Livelihoods - How Linked are they?" on 07.03.222. Attended by Ministry Officials.

• Dr.Ayon Kumar Tarafdar Invited and Chaired the Technical Session on "Climate Risk Management" in the International Conference "Annual Research on Cities Summit" organised by XIM Bhubaneswar on 10.02.2022.

• Dr.Ayon Kumar Tarafdar delivered an invited lecture titled "Carrying Capacity as a tool for Sustainable Settlement Design: The 'Ecological Footprint' Approach" at NIT Hamirpur on 29.12.2021 as a part of the "National Seminar on Sustainable Practices in the Built Environment" funded by AICTE, MoE, Govt of India. Lecture attended by over 65 participants.

• Dr.Ayon Kumar Tarafdar delivered an invited lecture titled "Planning Education: Reconciling The Pedagogical Approaches Across Global North and Global South" at SPA Vijayawada on 05.10.21 as a part of the "Faculty Development Program on 'National Education Policy, Sustainable Change Management in Planning and Architecture'" by SPA Vijayawada. Funded by AICTE, MoE, Govt of India. Lecture attended by over 80 participants.

• Dr.Ayon Kumar Tarafdar conducted Field Visit for MoHUA Govt of India funded Project titled "SAAR- Smart Urban Infrastructure - Vizag". Project in ongoing. Started in jan 2022.

• Mr.J.M.Bhagwat hosted Guest lecture on 'Disaster Management-Science and Technology' by Dr. Sudip Mitra, IIT Guwahati.

Mr.J.M.Bhagwat presented SMART AND SUSTAINABLE PARKING MANAGEMENT FOR BESANT ROAD, VIJAYAWADA at 41st Annual conference by University of Calcutta's CUES titled 'Migration and Challenges facing Urban Centers in the Globe due to COVID 19'

• Mr.J.M.Bhagwat presented "SQUARE DEVELOPMENT IN BENZ CIRCLE, VIJAYAWADA" at 41st Annual conference by University of Calcutta's CUES titled 'Migration and Challenges facing Urban Centers in the Globe due to COVID 19'

• Mr.J.M.Bhagwat presented "Road Improvement plan for Narsipatnam" at 41st Annual conference by University of Calcutta's CUES titled 'Migration and Challenges facing Urban Centers in the Globe due to COVID 19'

• Mr.J.M.Bhagwat presented 'Pedestrianization and Road Safety Improvement for Sector-3, MVP Colony, Visakhapatnam' at ICFU 21 Conference at Nirma University.

• Mr.J.M.Bhagwat hosted Guest Lecture on 'Sustainable Infrastructure: Exploring possibilities with Bamboo'By Prof. Chaaruchandra Korde (Assistant Professor, Center for Technology Alternatives for Rural Areas (CTARA), IIT Bombay.)

• Mr.J.M.Bhagwat hosted Guest Lecture on 'Rural Planning and GIS' by Prof. Dr. K. Rao, Hyderabad

• Mr.J.M.Bhagwat attended Summer School at IIAS, Shimla on 'Arthyaama'

• Mr.J.M.Bhagwat attended FDP on 'Electric Vehicle' at Oriental College of Engg.

• Dr.Prasanth Vardhan successfully conducted ATAL 5 day online FDP (Faculty Development Programme) on National Education Policy, Sustainable Change Management in Planning and Architecture from 04/10/2021 to 08/10/2021 and received certificate of appreciation. Funded by AICTE Training and Learning (ATAL) Academy

• Dr.Prasanth Vardhan delivered a lecture on National Education Policy, Sustainable Change Management in Higher Education in the Online ATAL AICTE FDP on 04th October 2021.

• Dr.Prasanth Vardhan completed a 2-day training on "Practices and Trends in regulation of operations and financing options for electric buses and electric auto-rickshaws conducted on 07th and 08th September 2021. Organised by UMTC, UK-PACT, RTI International

• Dr.Prasanth Vardhan completed a 5 day online FDP on Data Analytics organised by Centre of Electronic Governance, AICTE Training and Learning Academy (05-07-2021 to 09-07-2021)

• Dr.Prasanth Vardhan completed one week online training program for teacher on Smart Cities: Opportunities and Challenges held from 08th August to 13th August, 2021, organised by AICTE-DCRUST MURTHAL

• Dr.Prasanth Vardhan participated in Urban Lecture Series -006 webinar on Urban Greens in City Development Plans on 22nd January 2022 organised by the URGENT Project Partner Institutions, Co-funded by the Erasmus+ Programme of the European Union

• Mr.Valliappan AL obtained ELITE CERTIFICATE on the course Operations Research conducted by NPTEL online certification(Funded by Ministry of HRD, India). The course offered by IIT, Roorkee.

• Mr.Valliappan AL attended a virtual workshop on Inclusive Housing on 25th August 2021, conducted by School of Planning and Architecture, Vijayawada along and AP-TIDCO, Andhra Pradesh.

• Mr.Valliappan AL attended a workshop on the theme future cities-Inclusion of human face on 0th November 2021 conducted by Department of Planning as part of world town planning day celebrations.

• Mr.Valliappan AL attended a workshop on carbon free world and climate resilience dated 08th October conducted as part of Urban October 2021 @SPAV

• Mr.Valliappan AL attended a webinar on Low carbon futures on 1st November 2021 conducted as part of Urban October 2021 @SPAV

• Mr.Valliappan AL attended a special lecture on socio-economic challenges towards spatial planning on 26th October 2021 in Department of Planning, SPA, Vijayawada.

• Dr.Abdul Razak Mohamed (2021) as the Chief Coordinator organized online workshop on "INCLUSIVE HOUSING" in collaboration with APTIDCO, Vijayawada for the MoHUA. Govt. of India part of PMAY-U National program during 25-08-2021 2pm to 4.00pm

• Dr.Abdul Razak Mohamed (2021) as the Chief Coordinator organized online workshop on "TECHNOLOGY INNOVATION" in collaboration with APTIDCO, Vijayawada for the MoHUA. Govt. of India part of PMAY-U National program during 08-09-2021 2pm to 4.00pm

• Dr.Abdul Razak Mohamed (2021) as the Chief Coordinator organized online "TOURISM FOR INCLUSIVE GROWTH: AN INDIAN PERSPECTIVE" on the occasion of celebration of the World Tourism Day 27- September 2021

• Dr.Abdul Razak Mohamed (2021) External Examiner to evaluate the Ph. D Thesis: "DEVELOPING A FRAMEWORK FOR EVALUATING CONVIVIALITY OF PUBLIC OPEN SPACES IN AN INDIAN CITY- A CASE OF BHOPAL" By LEENA THOMBRE, Research Scholar (No. 143209003), The Department of Architecture and Planning, Maulana Azad National Institute of Technology, Bhopal, 462003 (M.P) India. October 2021

Faculty Achievements & Publications

- Dr. Abdul Razak Mohamed (2021) Organized Vigilance Awareness Week, From 26 October to 1 November, 2021, as the director of Government of India, Ministry of Education, Department of Higher Education Vigilance Awareness with the theme 'INDEPENDENT INDIA @ 75: SELF RELIANCE WITH INTEGRITY'. The activities conducted includes 26-10-2021 - Integrity Pledge, 28-10-2021 Conduct of Competition - essay writing - ONLINE, 30-10-2021 Distribution of Pamphlets, 26-10-2021 TO 01-11-2021 Display Banners
- Dr. Abdul Razak Mohamed (2021) as the Chief Coordinator organized online International Webinar on the theme "FUTURE CITIES-INCLUSION OF HUMAN SPACE" on the occasion of celebration of the World Town Planning Day 2021 as a part of Urban October @ SPAV2021, 8 November
- Dr. Abdul Razak Mohamed (2021) as the Chief Coordinator organized online SPECIAL LECTURE on "SOCIO-ECONOMIC CHALLENGES TOWARDS SPATIAL PLANNING" for the UG and PG students of Planning on 26-10-2021
- Dr. Abdul Razak Mohamed (2021) as the Chief Coordinator of the Webinar Young Planning Professions Talk on Low -Carbon Futures" on the occasion of celebration of the World Habitat Day- Urban October 2021, 1st November.
- Dr. Abdul Razak Mohamed (2021) as the Chief Coordinator of the Webinar on "Carbon Free World and Climate Resilience" on the occasion of celebration of the World Habitat Day- Urban October 2021, 8th November.
- Dr. Abdul Razak Mohamed (2021) External Examiner for the Ph.D thesis ENTITLED "SEMANTICS OF THERMAL COMFORT IN URBAN OPEN SPACES" by Ms. Manavi Suneja, Dept of Architecture and Planning Indian Institute of Technology, Roorkee India. Aug 21
- Dr. Abdul Razak Mohamed (2021) Dean of Academic Affairs, Indian Institute of Technology Roorkee appointment as the External Examiner evaluating Ph.D thesis entitled 'PLANNING FOR OPTIMAL WATER RESILIENCE IN CHENNAI CITY' submitted by KAAVIYA R, a candidate for the award of Ph.D. Degree in the Centre/Department of Architecture and Planning. Indian Institute of Technology Roorkee Roorkee, India - 247 667 Oct
- Dr. Abdul Razak Mohamed (2021) Appointed as Master Thesis Reviewer M. Plan 2020 - 2022 PLANNING THESIS PHASE 1 - 2021-22, School of Planning, Architecture and Design Excellence, Hindustan Institute of Technology and Science Chennai
- Dr. Abdul Razak Mohamed (2021) Appointed as Associate Editor "Journal of Sustainable Tourism" Routledge Taylor & Francis Group - August 2021
- Dr. Abdul Razak Mohamed (2021) Appointed as an External Panel Member of the Doctoral Committee for Mr. Rupesh M. Bhatt, Ph.D. Scholar, Department of Architecture, Centre for Research & Consultancy Hindustan Institute of Technology and Science (HITS) Chennai #1, IT Expressway, Bay Range Campus, Padur, Chennai-603103
- Dr. Abdul Razak Mohamed (2021) 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 by the division Strategic Consulting, Govt. Infrastructure Solutions, JLL India June 23
- Dr. Abdul Razak Mohamed (2021) Appointed as Author/Reviewer "International Journal of Urban and Regional Planning" IJURR
- Dr. Abdul Razak Mohamed (2021) appointed as the Chairperson Group: 1 with 15 members NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL Southern Region - Virtual Assessors' Orientation Programme (V-AOP - 6) 13th - 14th September 2021.
- Dr. Abdul Razak Mohamed (2021) Appointed as Master Thesis Reviewer M. Plan 2020 - 2022 PLANNING THESIS Topic Finalization of M. Plan, School of Planning, Architecture and Design Excellence Hindustan Institute of Technology and Science Chennai
- Dr. Abdul Razak Mohamed (2021) Thesis Guide for the ITPI Associate Member candidate Mr. G. Ventataeswara Rao, work with the AP Dept of Town and Country Planning and the topic "SMART VILLAGE PLANNING - CASE STUDY OF UPPADA VILLAGE ANDHRA PRADESH", Nov 2021
- Dr. Abdul Razak Mohamed (2021) Guided Haripriya Kesavan Project work entitled "KERAPPALLE IMPROVEMENT PLAN" A part of UBA program- Virtual Internship Programme on Sustainable Development Goals and Community Engagement. A participant from B.Plan V semester SPAV
- Dr. Abdul Razak Mohamed (2021) Guided MAYUKH BISWAS Project work on "BUDDHAVARAM VILLAGE SUSTAINABILITY" A part of UBA - Virtual Internship Programme on Sustainable Development Goals and Community Engagement. A participant from B.Plan V semester SPAV
- Dr. Abdul Razak Mohamed (2021) Invited Speaker deliver a talk on "CONNECTIVITY OF ROADS IS THE MEASURE OF SPATIAL ACCESS TO INFRASTRUCTURE FACILITIES IN CITY PERIPHERAL AREAS - CASE OF CHENNAI during the Two days International conference (online) on "REVISIONING PERI-URBAN FUTURES" organized by the University of Manchester, UK during 1-2 October 2021
- Dr. Abdul Razak Mohamed (2021) Reviewer of ACADEMIA article "Creative Cultural cluster: Concept for sustainable development of old city" Academia Letters, Article 1317. <https://doi.org/10.20935/AL1317>
- Dr. Abdul Razak Mohamed (2021) News Paper Interview by Samadani, Times Group titled "SMART CITIES UP AGAINST UNPLANNED URBAN GROWTH, Times of India Vijayawada, Tuesday November 20, 2021
- Dr. Abdul Razak Mohamed (2021) Invited Chapter entitled "CITY ATTRACTIVENESS IN INDIA": published in the Book "LES CHAIERS de L'Attractivite" Sept 2021 Paris ILE - FRANCE CAPITALE- ECONOMIQUE, Greater Paris Investment Agency. Paris, France
- Dr. Sushmi Nimje, Abdul Razak Mohamed, and Niruti Gupta (2021) Chapter on the topic "ENVIRONMENTAL IMPACT ASSESSMENT OF DEVELOPMENT AND TOURISM ACTIVITY IN PROTECTED AREAS OF PANNA NATIONAL PARK, MADHYA PRADESH, Published in the Book "FUTURE IS URBAN LIVABILITY, RESILIENCE & RESOURCE CONSERVATION" 15/10/2021 Taylor and Francis Books India Pvt Ltd New Delhi 110001| India CIN: U22112DL2004PTC131487
- Dr. Abdul Razak Mohamed (2021) "SPATIAL SOCIOLOGY"- THE NEXT STEP TOWARDS CONNECT PEOPLE, CULTURE, PLACES AND LOCAL ENVIRONMENT- Paper presented in the International Conference on "Latin American Conference on Social Sciences & Humanities" organized by the Universidad Nacional Abierta y a Distancia, (UNAD) Colombia, Universidad Juarez Autonoma De Tabasco Mexico, and the Institute of Economic Development and Social Research, Republic of Turkey during November 5-6, 2021, Villahermosa, Mexico
- Kshitij Tewari & Dr. Abdul Razak Mohamed (2021) "ENVIRONMENTAL PERCEPTION- A GENDER BASED ANALYSIS" Paper presented - World women Conference -III ANKARA Turkey September 03-05 2021 Institute of Economic development and social researches www.worldwomenconference.org ISBN: 978-625-7464-13-0 www.worldwomenconference.org Published in the PROCEEDINGS BOOK EDITED BY Ebru GÖZÜKARA and F. Ober ÜRU
- Kshitij Tewari, Raghavendra G V, Dr. Abdul Razak Mohamed (2021) Paper presented on the topic "PERCEPTION OF YOUTH TOWARDS PROTECTION OF ENVIRONMENT IN LUCKNOW-THE HERITAGE, CULTURAL CITY AND BANGALORE-THE GARDEN CITY OF INDIA - A COMPARATIVE STUDY, ECRI-264, World Youth Studies Conference August 12, 2021, Izmir, Turkey.
- Dr. Abdul Razak Mohamed (2021) Reviewer of the article "TWO-WAY APPROACH TO CARRYING CAPACITY AS A PLANNING TOOL TO FOSTER SUSTAINABILITY IN COASTAL TOURISM DESTINATIONS" Journal of Property Management Manuscript ID PM-11-2021-0083 Emerald Publishing
- Dr. Abdul Razak Mohamed (2021) A Reviewer of ACADEMIA article titled "INEQUALITY: A CONVERGENCE? - CASE OF TAMIL NADU - CP Sai Aravindh, Academia Quinteros Flores 8-8-21

Faculty Achievements & Publications

- Parisutha Rajan, Minakshi Jain, Dr.Abdul Razak Mohamed. (2021). "ECOSYSTEM SERVICES OF INDIAN BAELE TREE A 'STHALAVRIKSHA' OF TAMIL NADU, INDIA". TURKISH ONLINE JOURNAL OF QUALITATIVE INQUIRY, E-ISSN: 1309-6591. Volume 12 Issue 3 July 2021. [SCOPUS Indexed].
- Parisutha Rajan, Minakshi Jain, Dr.Abdul Razak Mohamed. (2021). "ASSESSMENT OF CARBON STORAGE AND SEQUESTRATION POTENTIAL OF HERITAGE TREES IN CHENNAI CITY, INDIA". ANNALS OF THE ROMANIAN SOCIETY FOR CELL BIOLOGY, 25(6), 4786–4796. [SCOPUS Indexed]. Retrieved from <https://www.annalsofscrb.ro/index.php/journal/article/view/6336>
- Dr.Abdul Razak Mohamed (2021) A Reviewer ACADEMIA article titled "A TRIP TO THE MOON" Scholarship of Goethe Institution, Halle 14 and Edit literature Magazine 2021 Auensee Lake, Leipzig basdekislandsdscape-Academic21s.pdf
- Dr.Abdul Razak Mohamed (2021) A Reviewer of ACADEMIA article titled "ARE WE UNDERESTIMATING POVERTY IN LAGOS STATE? OLUWASEYI POPOGBE", Academia, August 21 Article 2828. <https://doi.org/10.20935/AL2828>
- Dr.Abdul Razak Mohamed (2021) A Reviewer of the article entitled "TOWARDS A NEW WAY OF PLANNING THE CITY: CONSIDERATIONS AND PERSPECTIVES" by Christian Andrés Quinteros Flores's published in Academia Letters. Aug. 202, The Academia Team 580 California St., Suite 400, San Francisco, CA, 94104
- Dr.Parisutha RAJAN Alphonse Marianadin, Minakshi Jain, Dr.Abdul Razak Mohamed (2021) "DIAGNOSTIC ASSESSMENT TOOL FOR RESTORATION STRATEGIES OF NANANMANGALAM URBAN RESERVE FOREST, CHENNAI, INDIA", ECOLOGY, ENVIRONMENT AND CONSERVATION 27(August Suppl. Issue,2021):S146-S150pp. (S146-S150) Copyright© EM International ISSN 0971-765X
- Dr.Abdul Razak Mohamed (2021) Invited Speaker Paper Presentation online, the topic on "RESHAPING HOUSE AND NEIGHBOURHOOD FOR SUSTAINABLE LIVING-POST PANDAMIC CHALLENGES FOR CITY PLANNING on the theme PANDEMIC AND FUTURE CITIES. A Five days (26 to 30 July 2021) Online Teacher's Training Program organized by COA TRC, Bhopal - in association with BMS School of Architecture, Yelahanka (Bangalore)
- Dr.Abdul Razak Mohamed (2021) An Assessor attended online the NAAC - Virtual Assessors Orientation Programme (V-AOP) Assessors completing the V-AOP would only be considered for system selection of peer team for upcoming Onsite Peer Team Visits. National Assessment and Accreditation Council (NAAC), Sample Self-Study Report and Sample Peer Review Score Sheet Peer Team Report and Peer Review Score Sheet. Aug 2021
- Dr.Abdul Razak Mohamed (2021) Attended the Virtual Orientation Workshop online for the Coordinators Unnat Bharat Abhiyan (Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Telangana) Jointly Organized by Regional Coordinating Institute, Unnat Bharat Abhiyan The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul and National Coordinating Institute, Unnat Bharat Abhiyan, IIT, Delhi 24.9.2021
- Dr.Abdul Razak Mohamed (2021) A Reviewer of Common Ground Research Networks, the article titled "HOW DO LOCAL GOVERNMENTS IN EAST INDONESIA FACILITATE THE IMPLEMENTATION OF PARADIPLMACY?" CG Journal Publishing Team, Common Ground Research Networks, University of Illinois Research Park, 2001 South First Street, Suite 202, Champaign, IL 61820 USA, https://cgscholar.com/cg_support, July 17 Article no 76494
- Dr.Abdul Razak Mohamed (2021) Invited Speaker delivered online talk on "PLANNING EDUCATION - BEST PRACTICES" during the Faculty Development Program on National Education Policy on the theme Sustainable Change Management n Planning and Architecture- Integration of NEP 2020. Organized by SPAV, Sponsored AICTE Training and Learning Academy on 4 October 2021
- Dr.Abdul Razak Mohamed (2021) Invited Resource Person Delivered an online Special Lecture on "CHOOSING RESEARCH TOPICS TO SPATIAL PANNING" for the masters in planning students of the Dept of Urban Planning, School of Planning and Architecture Delhi on 21-08-2021
- Dr.Abdul Razak Mohamed (2021) Invited Speaker Paper Presented on "TRANSFORMATION OF TECHNOLOGY AND ITS IMPACT OF MASS HOUSING" as a part of WORKSHOP ON PMAY-U, theme "Technology and Innovation organized by the Dept of Civil Engineering, Andhra University, Visakhapatnam India 02-10-2021
- Dr.Abdul Razak Mohamed (2021) Invited Speaker deliver a talk on "INCLUDING THE EXCLUDED URBAN COMMUNITY TOWARDS BUILDING SOCIAL RESILIENCE" during the International conference on "CITY CLIMATE ACTION- BUILDING A RESILIENT CHENNAI" at the Session on "Strengthening Social Infrastructure for Resilience" organized by the Secretary General MCCI The Madras Chamber 10th Anniversary of our Sustainable Chennai Forum, along with NIUA, WRI Urban Thinkers Campus on 10th Nov 2021"
- Lata K., Chundeli and Dr.Abdinayanane Ramamurthy, (2021), "Smart Master Plan and 3D GIS Planning Support system—A Case of Chennai City, Tamil Nadu, India", book chapter accepted for publication, 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>, Springer Nature, Singapore Pte Ltd, published in April 2022 which is indexed in Web of Science/ Scopus
- Faiz Ahmed Chundeli and Dr. Adinarayanane Ramamurthy, (2021), "Simplified methodology for district-scale urban energy quantification and roof-top solar photovoltaic potential: A case study of Chennai, India", book chapter accepted for publication in Urban Energy Systems - A modeling and Simulation Perspective by Wiley-Scrivener imprint, USA.
- Tania Berger, Faiz Ahmed Chundeli, Rama Umesh Pandey, Minakshi Jain, Dr.Ayon Kumar Tarfdar, Dr.Abdinayanane Ramamurthy (2021), "Low-income residents' strategies to cope with urban heat - Findings from India and Austria", technical paper accepted for Land-use Policy, ISSN: 0264-8377, The International Journal Covering all aspects of Land Use, ELSEVIER Publication.
- Dr.Abdinayanane Ramamurthy invited to Faculty Development Program- Exploring Urban Planning Prospects in Architectural Design Studios – An Integrated Approach towards establishing Liveable Cities, delivered Public Lecture on "Urban Governance and Development Management", on 12/08/2021, organized by Council of Architecture online training program in collaboration with Nehru School of Architecture, Coimbatore, Tamil Nadu.
- Dr.Abdinayanane Ramamurthy invited to A six-day e-Workshop on "Sustainable Built Environment in Hills" (SBH-2021), between September 11-15, 2021 (Online), lecture presented on the topic "Evaluation methods for Resilience in City Planning", organized by Department of Architecture, National Institute of Technology Hamirpur, Himachal Pradesh.
- Dr.Abdinayanane Ramamurthy invited to Faculty Development Program on "The National Education Policy, Sustainable Change Management in Planning and Architecture", delivered a special lecture on the topic "Multi-disciplinary Research in Planning" held between October04-08, organized by the School of Planning and Architecture, Vijayawada, and sponsored by the All India Council for Technical Education – Training and Learning (ATAL) Academy, New Delhi.
- Dr.Abdinayanane Ramamurthy appointed as PhD. Examiner for Ph.D. thesis entitled "Barriers to decarbonize urban redevelopment in Mumbai: Empirical evidence and policy implications", submitted by Mrs. Sushibala Nambram Devi., Centre for Urban Science & Engineering, Indian Institute of Technology Bombay, December 2021.
- Dr.Abdinayanane Ramamurthy appointed as Reviewer of journal-Walailak Journal of Science and Technology (Walailak J. Sci. & Tech. or WJST), is a peer-reviewed journal covering all areas of science and technology, College of Graduate Studies, Walailak University, Thasala, Nakhon Si Thammarat 80161, Thailand, which is indexed in Scopus.
- Dr.Abdinayanane Ramamurthy appointed as Reviewer for the 2022 System Dynamics International Conference - Frankfurt Germany, System Dynamics Society, Littleton, MA 01460-0542 USA.

Faculty Achievements & Publications

- Dr. Adinarayanane Ramamurthy appointed as the reviewer of "Land-use Policy", ISSN: 0264-8377, The International Journal Covering all aspects of Land Use, ELSEVIER Publication.

- Dr. Adinarayanane Ramamurthy appointed as the lead Guest Editor of "International Journal of Property Management and Built Environment", Web of Science and SCOPUS indexed journal, by EMERALD Publishing Limited, United Kingdom, the international journal covering all aspects of Land Use.

- Dr. Adinarayanane Ramamurthy appointed as the member in Editorial Board for the Sustainable Development: Open Access Journal, Sci-Hall Press Inc: An Open Access Scientific Publisher, Toronto, Ontario, Canada

- Dr. Adinarayanane Ramamurthy appointed as the member in Editorial Board for the "Human Geography and Regional Studies": Open Access Journal, Sci-Hall Press Inc: An Open Access Scientific Publisher, Toronto, Ontario, Canada.

- Dr. Adinarayanane Ramamurthy appointed as the member in Editorial Board for the "Urban Research": Open Access Journal, Sci-Hall Press Inc: An Open Access Scientific Publisher, Toronto, Ontario, Canada

- Dr. Adinarayanane Ramamurthy appointed as the Project Co-Coordinator-Research Project "Zonal Master Plan for the Eco Sensitive Zone (ESZ)" of Sri Lankamalleshwara Wildlife Sanctuary Kadapa District, Andhra Pradesh, funded by Government of Andhra Pradesh.

- Dr. Adinarayanane Ramamurthy appointed as the Project Coordinator for Research Project "Zonal Master Plan for the Eco Sensitive Zone (ESZ)", of Kambalakonda Wildlife Sanctuary Visakhapatnam District, Andhra Pradesh, funded by Government of Andhra Pradesh.

- Dr. Adinarayanane Ramamurthy appointed as the Project Coordinator - Research Project "Smart cities and Academia towards Action & Research (SAAR)", Smart Urban Infrastructure Projects for Visakhapatnam City, Andhra Pradesh, under the Ministry of Housing and Urban Affairs, New Delhi, Government of India.

- Mr. Sreekanth Satheesh Attended MOOC, 'Spatial Data Science: The New Frontier in Analytics' organised by ESRI for 6 weeks and Completed on December 16, 2021

- Mr. Sreekanth Satheesh Attended MOOC, 'Going Places with Spatial Analysis' organised by ESRI for 6 weeks and Completed on November 1, 2021

- Mr. Sreekanth Satheesh hosted Special Guest Lecture on "Town Planning Schemes and Urban Renewal, Lessons for Indian Cities" held in online mode for B. Plan II Year, IV Semester students on 25th March 2022 by Mr. Ganesh Ahire, Associate, HCP

INCLUSIVE RURAL DEVELOPMENT THROUGH ECOLOGICALLY AND CULTURALLY RESPONSIVE TOURISM INITIATIVES: A CASE OF ICONIC SITES (SWADESH DARSHAN) – DHOLAVIRA, GUJARAT

- Sreekanth Satheesh, Assistant Professor

Situated in Khadir Bet in Bachau Taluk of Bhuj District, the archeological ruins of Dholavira is one of the largest discovered city ruins of the ancient Indus Valley civilization, inhabited between 3,000 BC to 1,800 BC. The ancient site is known as Kotada timba (large fort), spanning an area of 47 ha (120 acres) half of which is appropriated by the fortified settlement of the Indus Valley civilization. Dholavira sprawls across the Khadir island of the Great Rann of Kachchh. The site is part of the protected Kachchh Desert Wildlife. It has been listed in the tentative UNESCO world heritage list in 2014. Dholavira has provided insights to a long succession of rise and fall of the first Indian urbanization i.e. Indus Valley Civilization. Moreover, the site has a unique distinction of yielding an inscription of ten large sized signs of the Harappan script which is also considered the oldest sign board of the world.



Dholavira has been chosen by the Ministry of Tourism, Government of India along with 15 other sites to be developed as an Iconic Tourism Destination of India. The scope of the project also requires the creation of theme-based tourist circuits in a manner that supports communities, provides employment and fosters social integration without compromising upon environmental concerns and enabling tourism to achieve its true potential in the selected site.

My role for this project included various tasks ranging from the preparation of project report (Inception to Final DPR), Project Presentations, development of survey questionnaire, data collection, compilation and analysis, co-developing project proposals, formulating block cost estimates of proposed components and Spatial Mapping using GIS.

The methodology followed for the development of the project includes site analysis, benchmarking using appropriate literature, stakeholder consultation, community engagement and surveys. Based on the overall vision, focus areas for development and the framework for interventions and goals with a set of projects for under each goal were identified for the development of Dholavira into a tourism significant destination of an iconic character.



The village of Dholavira is situated on the western end of Khadir Bet in Bhachau Taluk of Kutch district in the state of Gujarat. Khadir Bet is a remote island amidst the Rann of Kachchh in the Indo-Pakistan border region. Presently, the project area experiences only a minimal tourism presence, although endowed with natural assets such as the archaeological ruins of the Indus valley civilisation of Dholavira, The greater Rann of Kutch and Geologically prominent areas such as Fossil Park.

The Socio-economic profile of the site depicts a population mainly engaged as agricultural labourers and daily wage labourers with very low demographic indicators such as work participation rate and literacy rate coupled with low agricultural productivity due to the lack of rainfall and the saline nature of the region. These factors are a main reason for the seasonal migration of locals in the area to other nearby towns such as Rapar and Bhuj as daily wage labourers to ensure financial sustainability attributed mainly due to the low agricultural productivity of the region. Hence tourism related occupation has also been a prominent source of livelihood to locals in recent years.



Majority of the tourist infrastructure in the site is observed to be limited in nature with very few options for accommodation coupled with poor transport connectivity with respect to air, rail and road. The basic infrastructure present in the site falls short of the ability to cater to a high tourist footfall and needs to be further enhanced in order to cater to a diverse tourist footfall. Presently, Dholavira is visited as a day time destination as part of the wider Bhuj tour itinerary and there is considerable inhibition among tourists for overnight stay due to the fewer options available.

The villagers in the area produce various traditional handicrafts and items that are usually sold at Bhuj via middlemen while some of the locals also offer the facility of homestay services, most of these facilities are currently run in an unorganised manner.

The rural settlement currently faces a shortage of physical infrastructure such as uninterrupted electricity, sustainable forms of Sewage systems and solid waste management of non-biodegradable wastes such as plastic. Furthermore, the lack of social infrastructure such as high schools, colleges, hospitals, markets, banking services and ATM facilities is also a major concern for locals and visitors alike in the current scenario.

A'LA MODE – IT IS A NEW FASHION AS WE MOVE FROM WAY OF LIFE (WOL) TO LIVE ANY WAY (LAW).

- Dr.Abdul Razak Mohamed (Professor and Head , Dept. Of Planning)

Normal life turned upside-down beginning at end of 2019 until now in 2022. Moving forward, do we say we are on track to what we called "normal" or are we in the works of transitioning to a "new normal"? None of us could have anticipated how the world has been rewired today. Reinventing the civilisation wheel and building ground up from the pandemic situation, we are all moving from the Way of Life (WoL) to Living any Way (LaW). And articulating this with the panache of French, and calling it A' la mode, makes it sound all the more fashionable.

The big lesson is in realizing the gains in the endless sea of losses: the crippling inability to move, meet, and interact with loved ones, which eventually forced us to first, withstand isolation. And when it got unbearably hard to stay isolated, it then forced and unforeseen acceleration in coping mechanisms to overcome the situation and Live any Way (LaW). Since the World Wars, the pandemic has been a war with the whole of humanity fighting on the same side, and this LaW may replace and redefine our pre-pandemic WoL. Not to be too callous about how it sounds, but I feel the easiest way to move forward is to discard the previous WoL like any time-bound transition of a product such as clothes, phones, and appliances that go out of fad. If I may, I would go as far to say that in change has, is, and will always in fashion.

Furthermore, these changes are not only in the domains of study, work, entertainment, and socialization. They carry on across all social strata – individual, family, and community, and the entire society at large. The transformation is still underway, from a way of life that was had been set over the years pre-pandemic, to what it is evolving to eventually amount to, and this holds true irrespective of gender, age, religion, occupation, region, and what not. Each and every one experienced hardship every day and every hour.

In planning, A' la mode could be viewed as the approaches and methods of planning and developing physical spaces to keep up with evolving changes. The complexity though, lies in the humongous scale of this physical space – we planners play Lego with several thousand square foot that is the living space of societies. Of note is that the by-product of innovation and advancement in Information and communication technology is in the unanticipated transformation it brings to urban households, mobility patterns, devices, infrastructure, and services etc. This transformation is from the traditional/conventional mode to an electronic mode. The success of us planners lies in taking these unanticipated changes and work with them as though they were and expected change that we knew were coming all along. Some such successful planning ventures include green infrastructure, climate comfort, gymnasiums, urban agriculture, vertical gardening, zero waste, energy efficient, and green tourism, to name a few.

The city that once existed amid nature is now a concrete and man-made bungle of ordered chaos arisen from planning and development. In an attempt to get back to our roots and sustain the Earth to support civilization humankind, the fashion planning aims to achieve is to bring back the nature to the cities. To this end, planners aim to ensure the involvement of people as and where possible in accommodating nature back into cities. For example, water bodies and tree cover areas are the most vulnerable and making them national parks or conservations to ensure their integrities by piping funding from encouraging tourism around that area has been successful across the country.

At present, the new fashions are in a way, force to transplanting in to houses, streets, neighbourhood and cities in India.. So to say that, is it these fashions survive or sustain and how long?, may be wait and see. Some successful micro-integrations of nature into daily life include transplanting into houses, streets, neighbourhoods, and cities in India. We are hoping that planning for and/or around said trees that is currently in fashion would help smoothen integration of nature into cities. However, only time will tell if and how long this fashion will survive, sustain, and/or transform. Rethink planning efforts to use the fashion as short- or long-term measures for the survival of the households as envisaged in the global concern of sustainability is still a challenge. Though this global concern is essential, local applications are far more essential and should be the future of spatial planning. Green infrastructure along with building green habits among households including every individual in the households irrespective of age, gender and income, occupation is among the best initiatives and could provide a good way to normalise the way of life in cities.

DATA SCIENCE - THE NEW AGE TOOL FOR URBAN PLANNERS

- Dr.Solanki Ghosh (Asst. Prof , Dept. Of Planning)

With the advent of extensive information sharing in this digital social media era, cities have now become a data-rich environment with detailed behavioural data of its citizens available at a click away. We leave trails of our habits and preferences with every step we take and our mobile phones now record all our subconscious patterns. This huge dump of behavioural data is now available to today's urban planners and can revolutionise the way they analyse, understand and plan cities.

As a result, the field of geoinformatics and data analytics have now become the most important support tools for present day planners. With the "death of geography" with the increased social interactions, the ideals and principles of community, culture and identity is being radically updated (Resch and Szell, 2019). Inevitably, Kevin Lynch's 'image of the city' now can be assumed to have a sixth dimension, the "social network", in addition to paths, edges, district, nodes and landmarks (Lynch, 1964).

The research on understanding and utilising this huge behavioural data to aid urban planning decision making has been pioneered by the likes of Carlo Ratti (MIT Senseable City Lab), Bill Hillier (Architectural and Urban Morphology in the University of London) and Micheal Batty (Centre for Advanced Spatial Analysis, UCL). In his book,

'The New Sciences of Cities', Batty (2013) concludes that planning of a city is a collective action and the new age urban planners should let the flows and network guide them. This 'data centric-user centric' urban planning is the future now and coupled with our centuries of city building knowledge, one can only hope for a future where cities are inclusive, responsive, healthy and sensible.

STUDENT ILLUSTRATIONS



City streets

Photography By:
Surya Jayanth
(B.Plan 3rd year)



Market street & Rock Fort city , Tamil Nadu

Photography By:
Karan K
(MEPM , 1st year)

NATURE /STRUCTURE-WHAT MATTERS MOST

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

Urban areas are the center of people for centuries and thus it develops a characteristic of attracting people from various places over a period of time, making it hold a high population density leading to an increase in built-up area, reducing the natural covers. The tremendous pressure of population expansion and temporal change of natural resources are impacting in all aspects. To make urbanization and urban planning, cities more sustainable, planners must think of incorporating green cover in terms of green infrastructure, public and open spaces with green planning, different innovative techniques to increase the "green" throughout the cities. The plan must help to make a positive impact on the city by increasing all the natural resources. Two such example of cities that inspired me through innovative sustainable practices are - Developing ecological corridor network at regional level in Madrid, which helped in disaster prevention, making a balanced urban-rural life, and the Regional Plan of Lisbon which made a National Ecological Reserve, indirectly connected to all sectors, achieving 3% GDP by 2020, €5 billion annual revenue from health sectors, increment of jobs by 40% etc. So, as a conclusion, we can say that neither buildings nor nature as two separate entities can sustain forever, as nature needs the outputs of a city and a city requires the inputs from nature and natural resources. Hence, planners must head towards a future where both can sustain themselves together in a balance equation.

THE MISSING SOCKETS OF URBAN PLANNING MAZE IN INDIA

- Karan K (MEPM, 1st year)

One-third of India's population lives in a maze of cities that have undergone various transitions—technological, digital, lifestyle, and demographic. Since 2014, the Central and State governments have made significant investments in the urban sector. However, deficits in urban planning capacities appear as a long-standing legacy concern. The way cities are planned in India and the degree of expertise of urban planners are frequently blamed for inefficiencies in cities. A snapshot of the current situation reveals paradoxes and the urgent need for reform. Almost half of the 7,935 towns classified as 'urban' in the 2011 Census of India are classified as 'census towns,' indicating they are officially 'rural' (Trends in growth of urban Population- A highlight of Census 2011). About 49% of India's 7,935 metropolitan centers continue to grow without Master Plans. Ironically, while towns suffer unplanned growth, skilled planning graduates struggle to show their eligibility for town planner jobs. Cities are more than just a collection of structures. They are living organisms that must coexist with society, the economy, and the environment. When one side of this equation is off, the other can have unintended consequences, which is exactly what has happened when cities are viewed solely through the lens of spatial design. As Albert Einstein rightly mentioned, "We can't address issues with the same kind of thinking we used to create them". So, by using an open lens to all of the missing pieces of the urban maze, evaluating, interpreting, and acting in accordance with our findings, we will be able to see a way to solving the puzzle.

WHAT'S HAPPENING

- K.Blessy Amulya(MEPM , 1st year)

What's going on in the world that desperately needs peace? War. An unprovoked war of aggression by Russia in Ukraine. When the world is in the urge of reduction of the carbon emissions, Russia is destroying Ukraine in the mask of defence against NATO. It's high time we need to understand that Not-in-my-back-yard (NIMBY) syndrome doesn't work anymore as the world has already overshoot the earth's regenerative capacity by 1.5 times in 2008. A nuclear catastrophe anywhere would definitely increase the global carbon emissions which would cause irreversible impacts on the global climate. Ukraine has a coverage of 6% of European landmass but contains 35% of its biodiversity with more than 70,000 species of rare and endemic flora and fauna with 16% of its land under forests and 50 Ramsar sites which would be at risk. If Russia strikes any of the 15 or the Chernobyl Nuclear Plant which caused one of the world's worst disasters, Chernobyl Nuclear Disaster, 1986, in Ukraine, the radiation could reach 1000s of miles affecting the human life, groundwater and food. The Zaporizhzhia nuclear power plant produces about 40% of the country's nuclear energy. If it is attacked, the blow up would result in a destruction which is 10x larger than the Chernobyl disaster. Any damage to the infrastructure causes the series of events which would affect the health and food security of the country. The use of weapons and armours in the conflict will overshoot the regional ecological carbon footprint.

STUDENT ILLUSTRATIONS



Shravya Achanala (B.Plan , 2nd year)



Sneha Krishnasri T (B.Plan , 3rd year)

Shrutishree Behera (MURP , 1st year)

Shrutishree Behera (MURP , 1st year)

AMARAVATI: THE FINAL CAPITAL -Rachakonda Himaja(B.Plan 1st year)	URBAN EXPANSION AND CLIMATE CRISIS ISSUE - Karan K (MEPM, 1st year)	LOST - Animesh Dash (MTIP, 2nd year)
<p>Amaravati, a city that is assumedly 2000 years old literally translates to "the place of immortals" is finally declared capital city of Andhra Pradesh. It was the ancient capital of The Satavahana Dynasty. The city is said to be chosen due to its strategic location, which makes the place accessible from all parts of Andhra and the city's proximity with Vijayawada and Guntur. Around 2000 crores of money is invested in the building of this city, the highest amount invested in the country till date.</p> <p>It is not the first time that ancient cities or cities with historical importance are made capital cities of places. Cities like these would do more than just being centres for administration and business activities, but also be an attraction for tourism. Though cities like Hyderabad and Kolkata are more developed and have a lot of monuments that could potentially bring revenue, the unplanned and ugly part of the city shines equally. Planning as said by people does not have a formula for every city, but how and what you plan in the city depends on experiences from other cities too.</p> <p>As Le Corbusier quoted "To be modern is not a fashion, it is a state. It is necessary to understand history, and he who understands history knows how to find continuity between that which was, that which is and that which will be". The Ancient city of Amaravati should rightly be remade into the state's capital by using 'A' La mode methods in planning, to conserve and coexist with the heritage.</p>	<p>Dangerous weather events are growing more common and severe as climate change progresses paying way to more frequent and intense drought, storms, heat waves, rising sea levels, etc., one such breakthrough to tackle this is how New York addressed housing and climate crisis. New York City has been facing several geographical and social challenges, the most serious of which are increasing sea levels, floods, and storm surges, as well as a lack of affordable housing.</p> <p>To tackle this, University professor Jason Barr proposed an extension of 1,760 acres of reclaimed land at the tip of Manhattan as a means of addressing New York City's housing difficulties and combating climate change in June 2022. The concept, dubbed New Mannahatta, calls for an extension of Manhattan Island beyond the Statue of Liberty, resulting in about 180,000 new dwellings designed with wetlands, Green space on its perimeter as a solution to New York's growing sea level issue. Barr's large-scale project, while harsh, relies on earlier initiatives by the city dating back to the 17th century, as well as the fact that the construction industry and real estate in New York are already expensive, making the concept somewhat viable. The projected community will encompass an area larger than the Upper West Side (more than 1,220 acres) and will have a mix of housing types, including historic brownstones, five-story apartment buildings, and high-rise towers, with a population of about 250,000 people.</p> <p>The climate catastrophe and the housing crisis are global issues. Based on this example and a review of its consistency in the Indian context, it is evident that a solution exists, and that the main issue is not the design of a new solution, but rather its implementation and management.</p>	<p>I feel lost, Lost in my own expectations And now no matter how hard I try, I am losing me The world knows me as a strong man But I am hollow from inside Struggling to face the reality Like a spineless creature Oh! What have I done to myself? Burdened by my own thoughts I kill myself a little each passing day To become a person that the society wants A heartless emotionless social animal But what about my identity Isn't that something to be valued for? Or is it just for a namesake Like the wine Which isn't the same over the years I have lost half of me, To those I loved, I cared for And to those things that doesn't even exist The human to human relations To save myself I must fight, I have to as I want to live To become who I am And what I want to be To get what I value for, And whom I care for I will someday prove u wrong, For what u feel is what I am But I fear, That might be late And I might lose this game As I always has succumbed, In front of my own FATE!!</p>

STUDENT ILLUSTRATIONS



Sneha Krishnasri T
(B.Plan , 3rd year)



Shravya Achanala
(B.Plan , 2nd year)



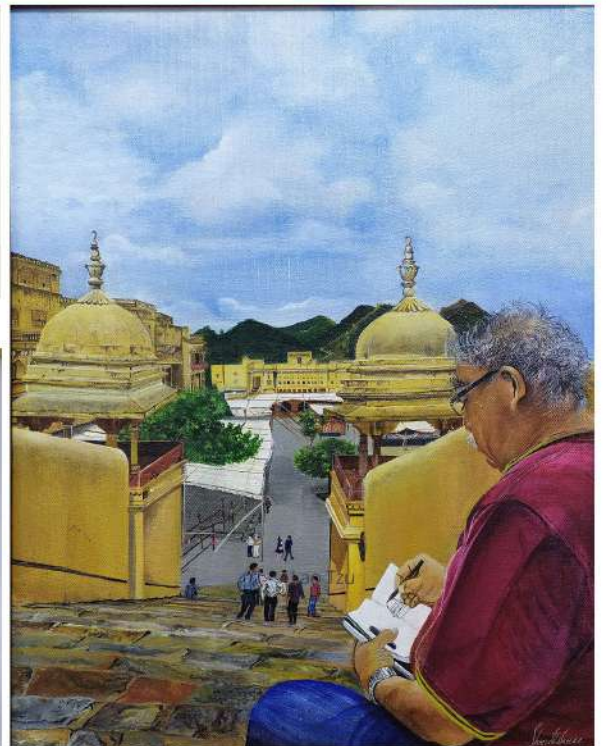
Mabinesh
(MURP , 1st year)



Shravya Achanala
(B.Plan , 2nd year)



Shrutishree Behera
(MURP , 1st year)

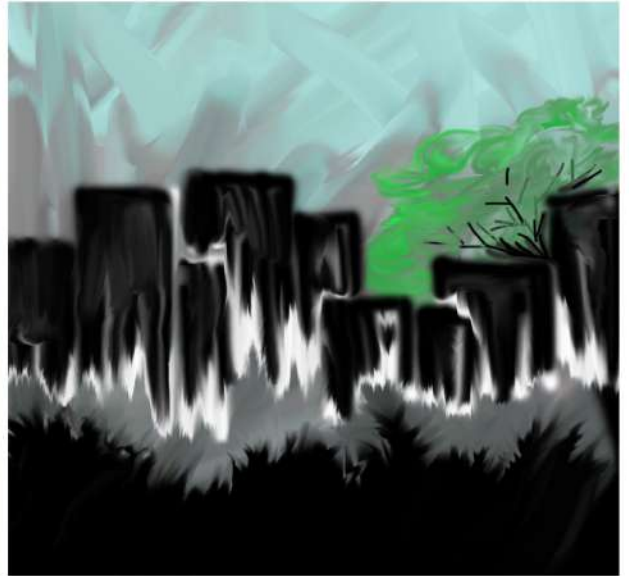


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STUDENT ILLUSTRATIONS



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(B.Plan , 3rd year)



URBAN OCTOBER 2021 @SPAV

31 Days Of Promoting A Better Urban Future
- Towards A New Urban Agenda -

01th - 31st
OCTOBER
2021
(Virtual Mode)

About

Overview

The United Nation’s Agenda for Sustainable Development, and Sustainable Development Goal 11 “to make cities inclusive, safe, resilient and sustainable” puts sustainable urbanization as one of the key priorities of the global agendas for development.

Urban October was developed to raise awareness, promote participation, generate knowledge and engage the international community towards a New Urban Agenda, in 31 days of promoting a Better Urban Future. The events start with the celebrations of “World Habitat Day” and end with “World Cities Day”. A Plethora of events are organized to raise awareness among various facets of the society about climate change and resilience in urban areas .

Workshops



(DATED:08-11-2021)

Key Speaker: Ms.Raina Singh , Dr.Ajith Kaliyath , Dr.Shyamli Singh

The students were able to understand and learn about the importance of carbon free world and climate resilience. The expertise of them wa svery helpful in understanding the importance of these concepts in the current trends of highly increasing vehicle and pollution.

Competitions

Three competitions were held for the students Essay writing,painting and videography.

ESSAY WRITING

The topic for the competition was “ Accelerating Urban Action For A Carbon Free World”.The word limit for the competition is 1200 words.

PAINTING

The topic for the competition was “ Carbon Free World And Climate Resilience”.The medium of painting can be acrylic,poster colors,drawing,digital and pencil art.

VIDEOGRAPHY

The topic for the competition was “ Accelerating Urban Action For A Carbon Free World”.The word limit for the competition is 1200 words.

Webinars



(DATED:01-11-2021)

Key Speaker: Mr.Nidhin Davis.K , Junior Technical Expert(GIZ)

The students were able to understand and learn about the importance of low carbon futures with the growing fossil fuel usage . The expertise of Mr.Nidhin Davis.K was helpful for students in understanding the key role and necessity of low carbon cities

People

Organized by

Urban October is organized by the Planning Department of SPAV on th occasion of World Town Planning Day.Three competitions were held for the students Essay writing,painting and videography.Webinars and workshops were also organized in virtual mode for students.

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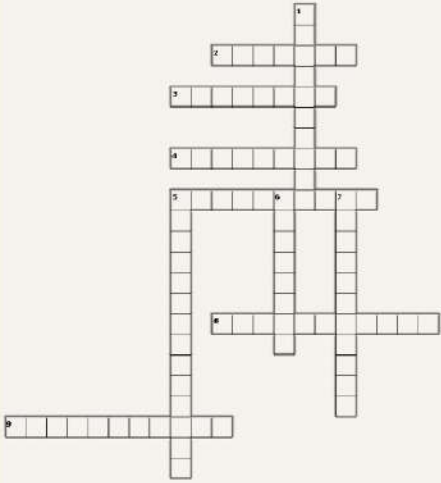
Mr.Rajeev.R
Assistant Professor, Department of Planning, SPAV



Organized by
Department of Planning
School of Planning and Architecture, Vijayawada
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Editor's Note

In the beginning of the new academic journey of this semester, many of us were apprehensive about how online education would fare, especially with the fear of missing out on such diverse campus experiences and ingenious faculty body. However, living up to its name, this first semester at SPAV has been promising, imbuing us with the optimism that we will one day become the country's A La Mode planners, leading the global stage. As we come to the end of this newsletter, on behalf of the editorial team, we would like you to wish you all a wonderful and a colourful semester ahead. Adios amigos!

Book Suggestions	Crossword Puzzle	Planning ideas / Quotes
<p>SELF HELP BOOKS</p> <p>1) Rich Dad Poor Dad by Robert Kiyosaki and Sharon Lechter</p> <p>2) The 4-Hour Workweek by Tim Ferriss</p> <p>SCIENTIFIC NON-FICTION</p> <p>1) Sapiens: A Brief History of Humankind by Yuval Noah Harari</p> <p>2) Being Mortal: Medicine and What Matters in the End by Atul Gawande</p> <p>PLANNING BASED NON-FICTION</p> <p>1) Confessions of a Recovering engineer: transportation for a strong town by Charles L Marohn Jr</p> <p>2) Better Buses, Better Cities: How to Plan, Run, and Win the Fight for Effective Transit by Steven Higashide</p> <p>BOOKS THAT BRING OUT THE CHILD IN YOU</p> <p>1) The diary of a wimpy kid (series) by Jeff Kinny</p> <p>2) Jeremy Fink and the meaning of Life by Wendy Mass</p> <p>INDIAN FICTION</p> <p>1) Nectar in a sieve by Kamala Markandaya</p> <p>2) The Far Field by Madhuri Vijay</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>2. He does not like you changing his neighbourhood (7)</p> <p>3. Fusion of architecture with ecology (8)</p> <p>4. Your Impression on the earth (9)</p> <p>5. Point of minimum contact (10)</p> <p>8. The art of making places (11)</p> <p>9. Love for pedestrians (11)</p> <p>DOWN</p> <p>1. Reduce the harmful effect (10)</p> <p>5. Phenomenon of tall buildings, out of regional context (14)</p> <p>6. Science of Planning (8)</p> <p>7. Merge on a city scale (11)</p>	<p>"Growth for the sake of growth, is the ideology of the cancer cell" - Edward Abbey</p> <p>"A city always contains more than any inhabitant can know, and a great city always makes the unknown and the possible spurs to the imagination." - Rebecca Solnit</p> <p>"Our public spaces are as profound as we allow them to be" - Candy Chang</p> <p>"Dull, inert cities, it is true, do contain the seeds of their own destruction and little else. But lively, diverse, intense cities contain the seeds of their own regeneration, with energy enough to carry over for problems and needs outside themselves." - Jane Jacobs</p> <p>Things to look out for in next semester</p> <p>1) Back to Offline classes, back to campus life</p> <p>2) Vigyan Sarvatra Pujyate</p> <p>3) NOSPlan 2022 Overall Championship diaries</p> <p>4) Cultural events: Ethnic Day, Ugadhi, etc.</p> <p>5) Bidding farwell to the passout batch of 2022 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 joyed 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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