



LESSON PLAN - M.Plan - EPM - II Year - III Sem

SUBJECT CODE:	MPEP301
SUBJECT:	Regional Environmental Planning Studio
SUBJECT CATEGORY:	Studio
YEAR/SEMESTER:	II/III
NUMBER OF CREDITS:	12
NAME OF THE FACULTY:	Prof Dr Abdul Razak, Prof Dr Ramesh Srikonda and Mr Vamsi Deepak
DEPARTMENT:	Planning
PRACTICALS/WORKSHOP/LAB PER WEEK:	12
TOTAL PERIODS:	12
INTERNAL ASSESSMENT:	200
EXTERNAL ASSESSMENT:	--
EXTERNAL JURY:	200
TOTAL MARKS:	400



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Introduction: Planning Studio of the III semester MEPM focused on preparation of Environmental Development Plan for Region. The different components consider in the exercise includes understand the types of regions such as metro region, resource region, and special region as thasils/mandals/districts. The identification of development issues and potentials of the regional with due emphasis given to the environmental aspects and its driving forces in terms of spatial planning and governance aspects.

Objective: The IIIrd semester planning studio focuses on preparation of environment development plan for region. It consists the following three stages of work such as (a) comprehensive review of relevant literature, policies, programs (b) undertake field visit and collect relevant data from offices, stack holders meeting, field observation and talk with local people, and (c) organize data, analysis, identification of issues, potentials and propose interventions as per the projected population till 2038.

Case Study: Pulicat Lake Region is a coastal region located two states Tamil Nadu and Andhra Pradesh (State Boarder) in India. Sheltered by the Bay of Bangal Sea on the East. It is bordered by Tamil Nadu state south and Andhra Pradesh son the North. The lake is the second largest brakish water lake in India measuring about 759 km. The lake is one of the three important wetlands to attract North-East mansoon rain clouds during October to December season to Tamil Nadu. The Pulicat Lake cut across in the middle of Sriharikota Link Road which divided the water body into lake and marshy land.

An attempt will be made in terms of composite analysis and comparison between Lake regions in India. Pulicat Lake stands seconds in terms of development potentials where as Fisheries, natural resource development and tourism activities towards the development of the state of TN and AP. Sectoral analysis was focused on the basis of available resources of the region so as to assess the development potentials of the region. Profile sector dealt regional settings and existing settlement hierarchy. The planning perspective the various sectors concern to the development of the district is grouped into Resource and Governance Base (RGB). In this regard the resource base is organized in to Human, economic, natural, and the governance aspects are related to community and government.

The Plan: Vision for the district development will be formulated based on identified issues, potentials and land suitability of the region. Development objective will be formulated by all the relevant sectors to guide the strategies for the development of the region.

The north south part of the region where the Pulicat Lake and its hinterland at the extend of the Taluk is more potential towards the sector industrial, tourism and fisheries. There entire south part both towards the west part of the region covers around half of the land area with large water body, agriculture and forest area as the major land cover. The region exist are in these parts having development potential as water and agriculture based, forest and tourism based development.



Fig 1: Map of Pulicat Lake

The overall process of preparation of regional plan for the Pulicat Lake region between July 16 and November 14, 2018 as per the academic calendar in five stages.

STAGE 1: Literature Review: Concepts, Planning Techniques(including delineation techniques), Guidelines, Acts & Case Studies.

STAGE 2: Delineation of the Study Region: Delineation Technique, Area Profiling.

STAGE 3: Data Collection & Situation Assessment: Primary and Secondary Data Collection, Land Use Map Preparation, Existing Situation Assessment of the study region.

STAGE 4: Proposals and Development Strategies: SWOT Analysis, Formulation of Proposals and Strategies, Land Suitability Analysis and etc.

STAGE 5: Finalization of the Plan.

WEEK 01 (July 16-20)

Conceptual understanding and Literature review

1. Concepts of regions, functions and hierarchy



2. Study of relevant guidelines and Planning techniques
3. Review of Case studies
4. Area profiling for delineation of study region

WEEK 02 (July 23-27)

1. Area delineation for selected region and understanding the complexity of dealing different administrative jurisdictions
2. Start of Base Map preparation

WEEK 03 (July 30-Aug 03)

Preparation of Methodology and identifying the data required or available for the study region

WEEK 04 (Aug 06 - 11)

Preparation of other maps (sector wise) with available secondary sources and collection of non spatial secondary data; Preparation of Graphs, Maps etc

WEEK 05 (Aug 13 - 17)

Data Analysis and inferences and a likely way forward for resolving different issues identified at regional scale

WEEK 06 (Aug 20 - 24)

INTERNAL ASSESSMENT 1

WEEK 07 (Aug 27 - 31)

Field visit arrangements (identification of data gap - list down the departments to contact for the same; Preparation of different survey formats (for sector specific officials/interest groups/sector specific primary surveys if required)



WEEK 08 (Sept 01- 09)

FIELD WORK

WEEK 09 (Sept 10 - 14)

Updating the data - spatial maps and non spatial with respect to the data collected during the visit; Analysis including the land suitability, potential areas identification with respect to sectors, environmentally sensitive regions etc

WEEK 10 (Sept 17 - 21)

Data Analysis – preliminary analysis of the data -assessment of spatial, functional characteristics of the town – sectors such as socio-culture, demography, economy, infrastructure, land use, environment and tourism, governance etc.-

WEEK 11 (Sept 24 - 28)

INTERNAL ASSESSMENT 2

WEEK 12 (Oct 01 - 05)

DATA INFERENCES

WEEK 13 (Oct 08 - 12)

Data Analysis – Final Analysis – identification of issues and potentials - Envisioning for the future development as per projections



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WEEK 14 (Oct 15 - 19)

Proposals – development strategies – development projects and Final proposals

WEEK 15 (Oct 22 - 26)

INTERNAL ASSESSMENT 3

WEEK 16 (Oct 29 - Nov 02)

Finalizing the Plan - Report preparation

WEEK 17 (Nov 05 - 09)

Pre Review

WEEK 18 (Nov 12 - 14)

Internal Jury- Final report/ drawings submission

Academic Calendar End of Classwork (November 14, 2018)



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MEPM Regional Environmental Planning Studio

Selected References:

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3. Chaudary.J.R (2009), "An Introduction to Development and Regional Planning with special reference to India". Orient Blackswan, Hyderabad.
4. Government of India, "Manual for Integrated District Planning", Planning Commission, New Delhi.
5. Government of India (2014) URDPIF Guidelines, Ministry of Housing and Urban Development, New Delhi.
6. Hall, Peter (2002), "Urban and regional Planning", Routledge, London and New York.
7. Kulshrestha S.K (2012) "Urban and Regional Planning in India: A Handbook for Professional Practice" 1st Edition Sage Publication New Delhi
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9. Wang, Xinhao and Hofe, Rainer vom (2007), "Research Methods in Urban and Regional Planning", Springer Berlin Heidelberg, New York.
10. Government of Tamilnadu Highways Department, "Environmental Impact Assessment Report", India
11. Ministry of Environment, Forests and Climate Change, "Environmental Management Plan", Government of India
12. Ministry of Environment, Forests and Climate Change, " Notification declaring Eco-sensitive Zone around Pulicat Wildlife Sanctuary in the state of Andhra Pradesh", Government of India



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13. Convention on Biological Diversity, "National Biodiversity strategies and Action Plans", UNEP

14. Ministry of Environment, Forests and Climate Change, " Conservation of natural resources including forestry and wildlife", Government of India

15. The World Bank, "Integrated Coastal Zone Management", Projects Id: P097985, India

16. UNDP, " Strengthening Natural Resource Management", UNDP and Government of India partnership

17. Kannan, V. (2013) "Diminishing of Mangrove Cover Posing Potential Threats to the Biodiversity of Pulicat Lake , South India," Glob. J. Environ. Res., vol. 7, no. 3, pp. 52–55, 2013.