

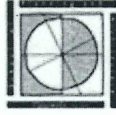
Department of Planning,
Lecture Plan, Odd Semester, AY 2025-26

Name of Course: MURP

Subject Name:	Indian Knowledge Systems in Town Planning
Year & Sem:	II YR IIISEM
Course Duration:	JULY 26 TO NOV 26
Course Coordinator:	Dr Rajakumari M
Number of Credits:	3
Subject Category:	Theory
Total Periods/Week:	03
Internal Assessment	50
End Evaluation	50
Total Marks	100
Total No. of Internal Assessment & Mode	2 assignments and one midsem exam

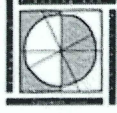
Subject Objective: To introduce students to Indian Knowledge Systems and their relevance to town planning, settlement formation, sustainability, water management, and urban governance, with special reference to ancient Indian treatises and traditional planning practices.

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode	Reference/ Suggested Readings
21 st July	Introduction to Indian Knowledge Systems Why IKS Matters; Understanding Knowledge; What are IKS?; Characteristics; Bharatiya Civilization; Bharatiya Spatial Knowledge Framework; Contemporary Relevance; Case Studies; Discussion	Lecture / Presentation / Discussion	Kapil Kapoor, Indian Knowledge Systems
28 th July	Ancient education systems – Takshashila, Nalanda, Gurukul traditions and knowledge transmission	Lecture / Discussion	S. Radhakrishnan, Indian Philosophy
4 th Aug	The Vedas, philosophies, cosmology and scientific traditions in India	Lecture / Presentation	Debiprasad Chattopadhyaya, Science and Society in Ancient India
11 th Aug	Indian mathematics and astronomy – concepts of zero, pi and calendrical systems	Lecture / Discussion	Bibhutibhusan Datta, Hindu Mathematics
18 th Aug	Vedic cosmology and its relevance to spatial organization and planning	Lecture / Presentation	Stella Kramrisch, The Hindu Temple
23 Aug- 6 Sep, 2025	Field Work		
8 th Sep	Traditional Indian architecture and town planning principles	Lecture / Discussion	Acharya P.K. & Acharya K.T., Manasara



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Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode	Reference/ Suggested Readings
	Simple way to read the treatises		
15th Sep	Ancient treatises – Manasara, Mayamata and Samarangana Sutradhara	Lecture / Presentation	Mayamata Treatise on Housing
15-19 September	Mid- Semester Assessment week		
22 nd Sep	Case studies of Mohenjo-Daro and Harappa – recent case studies at keeladi – settlement planning and infrastructure – the science behind the practices	Lecture / Discussion	E.J. Morris, History of Urban Form/ Bharne ,Reinventing Hindu temple
29 th Sep	Temple towns and sacred urbanism – Varanasi, Madurai and Kanchipuram- spatial organisation of temple towns – festive events and urban form – placemaking of temple towns	Lecture / Presentation	A.G. Krishna Menon, Cultural Heritage Studies. Bharne ,Reinventing Hindu temple, G Sthapathi , Sthapadya veda
6 th Oct	Town planning principles – orientation, land use, hierarchy and spatial organization	Lecture / Discussion	Vastu Shastra texts Mansara / Mayamatham
	Workshop		
13 th oct	Water management systems, irrigation structures and environmental governance-traditional water management practices – eri, kularn, keni,koneru, cheruvu, baudis	Lecture / Presentation	D. Balasubramanian, Traditional Water Systems
27 th Oct	Traditional settlement patterns and classification of towns and villages	Lecture / Discussion	Indian settlement studies and Shilpa Shastra references
	Application of Indian planning principles in modern urban development	Lecture / Presentation	Contemporary Urban Planning Literature
	Guest Lecture		
3 rd Nov	Sustainability and resilience in ancient Indian planning practices	Lecture / Presentation	Mansara / Mayamatham
10 th Nov	Student presentations on case studies and planning analysis	Presentation	
12 th November end of class work			



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Details of Internal Assessments

Tentative Date/Week of the Assessment	Mode of Assessment	Marks of the Assessment
First week of August	Assignment 1	15
3 rd week of Sept	Mid Sem	20
First week of Oct	Assignment 2	15

Text Books

- Acharya P.K., Manasara on Architecture and Sculpture.
- V.Ganapathi Sthapathi, Sthapadya Veda
- Mayamata: An Indian Treatise on Housing, Architecture and Iconography.
- Bibhutibhusan Datta, Ancient Hindu Mathematics.
- Kapil Kapoor, Indian Knowledge Systems.
- Amit Jha, Indian Knowledge Systems
- Temple towns of Tamilnadu, George Mitchell, Marg Publications
- Concise History of South India, Noburu Karashima, OUP
- Towns of the Coromandal coast, Jayasheela Stephen

Reference Books

- Stella Kramrisch, The Hindu Temple.
- Jonathan Barnett, An Introduction to Urban Design.
- Debiprasad Chattopadhyaya, Science and Society in Ancient India.
- Contemporary articles on sustainability and indigenous planning systems.

Note:

1. Any other closed holidays as declared by SPAV shall supersede the above lecture plan. Holidays shown above may alter as per Notice from time to time.
2. Assessment Sessions may be re-scheduled, with prior intimation.
3. Reading lists provided is not exhaustive and is subject to addition – students are advised to follow progression of class to keep abreast of the new reading lists; if any.


Signature of the Faculty