

ANNA UNIVERSITY : : CHENNAI- 600 025

UNIVERSITY DEPARTMENTS

CURRICULUM – R 2009

MASTER OF PLANNING

I TO IV SEMESTERS CURRICULUM AND SYLLABUS

SEMESTER I

Course code	Course title	L	T	P/S	C
MP 9111	Planning Theory and Practice	3	0	0	3
MP 9112	Socio-Economic and Spatial aspects of Human Settlement and Planning	3	0	0	3
MP 9113	Traffic and Transportation Planning	3	0	0	3
MP 9114	Statistics for Planning Analysis	3	0	0	3
MP 9115	Introduction to Human settlements	3	0	0	3
MP 9116	Planning Project I	0	0	10	5
Total		15	0	10	20

SEMESTER II

Course code	Course title	L	T	P/S	C
MP 9121	City Planning	3	0	0	3
MP 9122	Regional Planning	3	0	0	3
MP 9123	Environmental Planning	3	0	0	3
MP 9124	Planning Legislation and Professional Practice	3	0	0	3
MP xxxx	Elective I	3	0	0	3
MP 9125	Planning Project II	0	0	10	5
Total		15	0	10	20

SEMESTER III

Course code	Course title	L	T	P/S	C
MP 9131	Project Formulation and Implementation	3	0	0	3
MP 9132	Urban Infrastructure and Network Planning	3	0	0	3
MP xxxx	Elective II	3	0	0	3
MP 9133	Dissertation	0	0	10	5
MP 9134	Planning Project III	0	0	10	5
Total		9	0	20	19

SEMESTER IV

Course code	Course title	L	T	P/S	C
MP 9141	Urban Governance and Institutional Management	3	0	0	3
MP 9142	Thesis	0	0	26	13
	Sub Total	3	0	26	16
	Grand Total				75

LIST OF ELECTIVES

Course code	Course title	L	T	P/S	C
MP 9151	Rural and Urban Housing	3	0	0	3
MP 9152	GIS Modeling in Urban and Regional Planning (practical)	0	0	6	3
MP 9153	Research Methodology	3	0	0	3
MP 9154	Planning and management of Urban Poverty Alleviation Programme	3	0	0	3
MP 9155	Knowledge Based City Planning	3	0	0	3
MP 9156	Web Based Applications to Urban and Regional planning (Practical)	0	0	6	3
MP 9157	Planning of Tourism Management	3	0	0	3
MP 9158	Urban Finance	3	0	0	3
MP 9159	Rural Development	3	0	0	3
MP 9160	Disaster Management	3	0	0	3
MP 9161	Future Studies in Urban and Regional Planning	3	0	0	3

L – Lecture T – Tutorial P – Practical / S - Studio C – Credits.

ANNA UNIVERSITY : : CHENNAI- 600 025

UNIVERSITY DEPARTMENTS

MASTER OF PLANNING

CURRICULUM 2009 - PART TIME (6 SEMESTERS)

SEMESTER I

Course code	Course title	L	T	P/S	C
MP 9111	Planning Theory and Practice	3	0	0	3
MP 9112	Socio-Economic and Spatial aspects of Human Settlement and Planning	3	0	0	3
MP 9113	Traffic and Transportation Planning	3	0	0	3
MP 9114	Statistics for Planning Analysis	3	0	0	3
	Sub Total				12

SEMESTER II

Course code	Course title	L	T	P/S	C
MP 9115	Introduction to Human settlements	3	0	0	3
MP 9121	City Planning	3	0	0	3
MP 9122	Regional Planning	3	0	0	3
MP 9123	Environmental Planning	3	0	0	3
	Sub Total				12

SEMESTER III

Course code	Course title	L	T	P/S	C
MP 9124	Planning Legislation and Professional Practice	3	0	0	3
MP 9131	Project Formulation and Implementation	3	0	0	3
MP 9132	Urban Infrastructure and Network Planning	3	0	0	3
MP 9116	Planning Project I	0	0	10	5
	Sub Total				14

SEMESTER IV

Course code	Course title	L	T	P/S	C
MP 9141	Urban Governance and Institutional Management	3	0	0	3
MP xxxx	Elective I	3	0	0	3

MP 9125	Planning Project II	0	0	10	5
	Sub Total				11

SEMESTER V

Course code	Course title	L	T	P/S	C
MP xxxx	Elective III	3	0	0	3
MP 9133	Dissertation	0	0	10	5
MP 9134	Planning Project III	0	0	10	5
	Sub Total				13

SEMESTER VI

Course code	Course title	L	T	P/S	C
MP 9142	Thesis	0	0	26	13
	Sub Total				13
	Grand Total				75

LIST OF ELECTIVES

Course code	Course title	L	T	P/S	C
MP 9151	Rural and Urban Housing	3	0	0	3
MP 9152	GIS Modeling in Urban and Regional Planning (practical)	0	0	6	3
MP 9153	Research Methodology	3	0	0	3
MP 9154	Planning and management of Urban Poverty Alleviation Programme	3	0	0	3
MP 9155	Knowledge Based City Planning	3	0	0	3
MP 9156	Web Based Applications to Urban and Regional planning (Practical)	0	0	6	3
MP 9157	Planning of Tourism Management	3	0	0	3
MP 9158	Urban Finance	3	0	0	3
MP 9159	Rural Development	3	0	0	3
MP 9160	Disaster Management	3	0	0	3
MP 9161	Future Studies in Urban and Regional Planning	3	0	0	3

L – Lecture T – Tutorial P – practical / S - Studio C – Credits.

OBJECTIVE:

This course is an introduction to the history and theories of the planning profession. The focus of this introductory course is on the *practice* of planning. We will selectively draw on the literature in planning theory and history to examine a series of questions fundamental to planning practice. The discussions, exercises, and readings on these questions will highlight alternative approaches to planning practice, the contributions of our planning forebears, the beliefs and values underlying our own behavior and decision making, and the leading scholars and current issues in the field of planning.

UNIT I PLANNING PRINCIPLES AND PROCESS 9

Process of evolution of human settlement planning, Principles in Planning - rationality in planning, Blueprint and process mode, disjointed incremental mode of planning, Normative versus functional mode of planning

UNIT II PLANNING SYSTEM 8

Planning system in India, Introduction to Master Plan, Structure Plan, Detailed Development Plans, City Corporate Plan and Smart Plan. Comparison of planning systems in UK and USA.

UNIT III PLANNING SURVEYS 10

Type of planning surveys, data identification for various plan preparation. Aerial photo and remote sensing techniques in planning. Formulation of standards for various urban functions

UNIT IV ANALYTICAL TECHNIQUES 10

Delphi, Trade off-game, simulation models, gravity analysis, Lowry model, Threshold analysis, Multivariate analysis. Techniques of delineation of planning areas and planning regions. Land use models.

UNIT V OPTIMIZATION TECHNIQUES 8

Optimization and economic analysis methods in project formulation and implementation, CPM, PERT, PBBS, Goal achievement matrix, Introduction to Cost-Benefit analysis

TOTAL : 45 PERIODS**REFERENCES**

1. Lichfield N., et.al. (eds), 1998, Evaluation in Planning: Facing the challenge of complexity, Kluwer Academic publications, Dordrecht.
2. Knox P, and P. Taylor (eds), 1995, World Cities in a World System, Cambridge University Press, Cambridge.
3. Kaiser Edward J., et.al., 1995, Urban Landuse Planning 4th (ed) Urbana, University of Illinois Press
4. Paul R. Wolf, 1986, Elements of Photogrammetry, McGraw Hill Books Co., London.
5. Bola Ayeni, 1979, Concepts and Techniques in Urban Analysis, Croom Helm, London.

MP 9112	SOCIO-ECONOMIC AND SPATIAL ASPECTS OF HUMAN SETTLEMENT PLANNING	L T P/S C 3 0 0 3
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OBJECTIVE:

To teach the students the social sciences inputs (Urban sociology, Urban Economics and urban Geography) for analyzing Human Settlements growth & development and incorporating them while planning of Human settlements.

UNIT I SOCIO-ECONOMIC AND SPATIAL ASPECTS OF HUMAN SETTLEMENT PLANNING. 8

Socio-economic groups, structures and Institutions as related to urban and rural communities, Ecological processes and structures in Indian Cities.

UNIT II ECONOMIC BASE 4

Agglomeration economics- Economics of scale, Multiplier effect concept, scope, limitation, basic and non-basic activities of economics base, methods of base identification

UNIT III THEORIES OF ECONOMIC DEVELOPMENT 4

Geographical, sociological economic and holistic approaches. Balanced and unbalanced growth trends.

UNIT IV URBAN LAND USE AND SETTLEMENTS ORGANIZATION 6

Landuse determinants, Locational Dynamics of urban Landuse spatial organization of Urban settlement.

UNIT V URBAN PHENOMENA & URBANIZATION 8

City-region, Urban Sprawl and Fringe, Urbanization in India and Tamilnadu with reference to settlements and population distribution.

TOTAL: 45 PERIODS

REFERENCES

1. Bhatt Caste, 1975, 'Class and Politics', Manohar Book service, Delhi.
2. H.Carter, 1972, 'The Study of Urban Geography', Edward A Old, London.
3. F.S.Chapin, 1965, 'Urban Landuse Planning', Higg & brothers, New York.
4. K.V.Sundaram (Ed), 1985 'Geography & Planning', Concept Publishing Co., New Delhi.
5. R.A.Wilson and D.A. Schulz, 1978, 'Urban Sociology', Prentice Hall Inc., New Jersey.

MP 9113	TRAFFIC AND TRANSPORTATION PLANNING	L T P/S C 3 0 0 3
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OBJECTIVE

Traffic and Transportation planning is an integral part of Spatial Planning at any level. Therefore it is proposed to give an overall framework of this course to the students of M.Plan Programme in the first semester itself. The objective of this course is to give an historical perspective of road development in India, salient features of road geometric and intersections, traffic surveys, planning aspects of different mass transportation

systems and introductory part dealing with Highway capacity.

UNIT I TRANSPORT DEVELOPMENT IN INDIA 8

Economic, Political and Social Significance of transport development. Development of rail, water and air transport policies and programmes in India. Scope and Content of Nagpur, Bombay and Lucknow road development plans - Current trends in the road development sector in our country.

UNIT II GEOMETRIC DESIGN 10

Highway classification - Traffic characteristics – Horizontal and Vertical alignment – Sight distance – Cross-sectional elements – At grade and Grade separated intersections.

UNIT III TRAFFIC SURVEYS 10

Volume Count – Origin and Destination – Parking and Public Transport Surveys – Inventory of Transport facilities – Methods of Survey – Analysis – Inferences.

UNIT IV MASS TRANSPORTATION SYSTEMS 8

Different modes – Capacities – Limitations – Planning Aspects – Coordination – Para Transit modes – Private transport.

UNIT V HIGHWAY CAPACITY 9

Concept of PCU and Level of Service – Capacity of uninterrupted flow conditions – Flow affecting capacity and level of service – Capacity of Rural and Urban roads.

TOTAL : 45 PERIODS

REFERENCES

1. Kadiyali L. R. 'Traffic Engineering and Transportation Planning' Khanna Publications. 1996.
2. Dimitriou H.T. Urban Transport Planning, A Development Approach, Routledge, London, 1992.
3. Hutchinson, B.G., 'Principles of Urban Transport systems planning' McGraw – Hill Book Co., New York 1980.
4. John W. Dicky, 'Metropolitan Transportation Planning', McGraw – Hill Book Co., New York 1980.
5. Michael J.Bruton, 'An Introduction to Transportation Planning', Hutchinson, London, 1985.

MP 9114

STATISTICS FOR PLANNING ANALYSIS

L T P/S C

3 0 0 3

UNIT I DATA COLLECTION, COMPILATION AND CONDENSATION 9

Scope and Function of Statistics in Planning Analysis - Data Types and Sources - Classification and Tabulation of Data - Measures of Central Tendencies, Arithmetic Mean, Median and Mode – Measures of Dispersion – Pictorial Representations of Data

UNIT II SAMPLING AND SOCIAL SURVEYS **9**
Methods of Primary Data Collection – Principles in Design of questionnaires – Principles of Sampling – Types of Sampling – Sampling of Population, Area and Time – Sources of Error – Sample Size

UNIT III STATISTICAL INFERENCE **9**
Elementary Probability – Concepts and Definitions – Theories of Addition and Multiplication - Theory of Estimation and Testing of Hypothesis – Tests for Means and Proportion – Non-Parametric Tests

UNIT IV TREND ANALYSIS AND INDEX NUMBERS **9**
Time Series – Components of Time Series – Measurement of Trend and Variations – Interpolation and Extrapolations - Index Numbers – Meaning - Types and Construction of Index Numbers – Simple Regression Analysis

UNIT V DEMOGRAPHIC ANALYSIS **9**
Demographic Characteristics of Population and their Measures – Projection of Population – Migration analysis – Description and Construction of Life Tables – Vital Statistics

TOTAL: 45 PERIODS

REFERENCES

1. Gupta S.C, 'Fundamentals of Statistics', Himalaya Publishing House, New Delhi, 2004
2. Morris Hamburg, 'Statistical Analysis for Decision Making', Harcourt Brace Jovanovich, Inc., New York, 1977
3. Pollard A. H (et al), 'Demographic Techniques', Pergamon Press, Sydney, 1981
4. Richard A. Johnson, 'Probability and Statistics for Engineers', Macmillan Business Books, New Delhi, 2000
5. Santhosh Gupta, 'Research Methodology and Statistical Techniques', Deep & Deep Publications Pvt. Ltd, New Delhi, 2003

MP 9115 **INTRODUCTION TO HUMAN SETTLEMENTS** **L T P/S C**
3 0 0 3

OBJECTIVE

The objective of this course is to expose students the origin, growth and development of human settlements from ancient times to the present context and to understand Human Settlements as expression of Civilization and Culture.

UNIT I EARLY SETTLEMENTS **8**
Human Settlements as expression of Civilization, Physical form, nucleus of settlement growth during different periods up to the industrial revolution. Socio-Political context and their effect on settlement development during medieval and renaissance periods.

UNIT II EFFECTS OF INDUSTRIAL REVOLUTION **12**
Change in mode of Production. Shift of population and the concentration of activities. Impact of industrialization and urbanisation in cities., Washington, D.C, Brazilia, New Delhi & Chandigarh. Contribution of E.Howard, L.Mumford, Patric Geddes The emerging thought on environmental and physical consequences.

UNIT III GROWTH OF INDIAN SETTLEMENTS **9**
 Evolution of settlements, their planning and building during the early, medieval, moghul and colonial periods. Study of spatial components of settlements.

UNIT IV HERITAGE AND CONSERVATION **8**
 Historical heritage and conversation and strategies. Rules of settlements growth and decay.

UNIT V SETTLEMENT SYSTEM IN A CHANGING WORLD **8**
 Human settlements in Space. Regionalism and regional approach to human settlements growth. Global City, Information Technology & communication – the city of the future and future of the cities.

TOTAL: 45 PERIODS

REFERENCES

1. Constantinod A.Doxiadis, 'Ekistics', Hutchinson of London, 1968.
2. 'Global Review of Human Settlements', Pergamon Press, London, 1976.
3. Arthur Kohun, 'Histry Builds the Towns', Lund Humphries, London, 1953.
4. Paul Zucker 'Town and the square, Columbia University Press, New York, 1996.
5. C.P.Venkatarama Ayyar, Town Planning in Early South India, Mittal Publications, Delhi, 1987.

MP 9116

PLANNING PROJECT I

L T P/S C
0 0 10 5

The Planning project I intends to expose the students to

1. Development of communication skills – Map preparation, Report writing and Presentation skills
2. Understanding of various Surveys relating to preparation of plans for Urban and Rural Settlements
3. Preparation of Plans for micro-level units
 - a) Study at Village level - Structure of Village, Problems, Current rural improvement programmes and Structure of Administration.
 - b) Study on Urban Land uses
 Land use Zones – Land use activities – Their functional and spatial characteristics – Issues related to functions, Spaces and Infrastructure
 - c) Planning at Layout Level
 Review of Literature, Site analysis, Study of Existing Layouts, Design criteria's – Existing act and Byelaws, Alternative designs, Finalization of Designs, Cost of the Projects and Model

TOTAL: 150 PERIODS

OBJECTIVE:

Planning of Urban Settlements is an important area in spatial planning. Therefore this course has planned to offer the students, the actual process of plan making at different levels i.e. city level and zonal levels, giving the case studies and their overview. The other aspects which are proposed to be dealt in this course are the development control rule which gives the required legal support to the city plans and also contain elementary aspects of Urban Renewal.

UNIT I INTRODUCTION**8**

Contemporary theories and concepts in city planning, political influence and Polarization of Economic, Socio – Cultural and Administrative Activities.

UNIT II MASTER PLAN**12**

Plan making process, Delineation of Planning area, Assessment of developmental issues, Plan period and phasing, Projection of requirements, Formulation of aim and objectives, Development proposals and landuse planning, Delineation of zones, Resource mobilization, Implementation mechanism, Monitoring and review, Public Participation, Deficiency of Master plan.

UNIT III ZONAL PLAN AND DEVELOPMENT CONTROL RULES**6 + 6**

Concept, Priority in the preparation, Difference between Master plan and Zonal plan , Plan making process, Assessment of developmental issues, Projection of requirements , Development proposals and landuse planning, Resource mobilization, Implementation mechanism, Public participation, Development Control Rules, Concept ,Landuse zones and sub classification, Permissible activities , Appellant activities, Prohibited activities, Appeals, Appellant authority , unauthorized developments.

UNIT IV CASE STUDIES**6**

Method of preparation, Issues and Proposals, Critical appraisal.

UNIT V URBAN RENEWAL**7**

Urban renewal as a part of metropolitan plan , Techniques of identification of Urban Renewal areas, Conservation, Rehabilitation and Redevelopment, Management of Urban Renewal areas, Incentive zoning and TDR.

TOTAL : 45 PERIODS**REFERENCES**

1. Institute of Town Planners, India, Ministry of Urban Affairs & Employment, Government of India, New Delhi, UDPFI Guidelines , 1996.
2. UNCHS 'Human Settlements and Sustainable Development' – 1990.
3. John L, Taylor and David G. Williams, 1982. Urban Planning Practice in Developing Countries, Pergamon Press, Oxford.
4. Miles R. Simon, 1970, 'Metropolitan Problems' Methuen Publications, Canada.
5. Andrao, D.Thomas, 1986,'Housing and Urban Renewal'. George Allen and Unwin, Sydney.

OBJECTIVE:

To make the candidate understand the concept of Regional Planning and make them skillful in applying various methods and techniques of Regional planning.

UNIT I CONCEPT OF REGIONAL PLANNING 9

Concept of region, types of region, Regionalization. Evolution of regional planning. Institutional framework for regional planning.

UNIT II TECHNIQUES OF REGIONAL ANALYSIS 9

Input-output analysis, shift and share analysis, concentration and dispersal. Industrial Location Theory.

UNIT III GROWTH MODELS 9

Growth pole and Growth Center, Core Periphery Concept, Central Place Theory, Agricultural landuse model, Models of industrialization and regional development. Resource allocation models.

UNIT IV REGIONAL DEVELOPMENT PATTERN 9

Regional disparities, Resources in regional development. Multi-level planning. District Planning, special area development programmes and schemes. Rural development schemes.

UNIT V CASE STUDIES: 9

Regional planning in India, Regional Plan Case Studies, USA, Japan and other developing countries.

TOTAL : 45 PERIODS

REFERENCES

1. Allen G.Noble, et.al., (eds) 1998, Regional Development and Planning for the 21st Century: New priorities New Philosophies, Aldershot, USA,
2. David Mosse, et.al, 1998. Development Process: concepts and Methods for working with complexity, Loutledge, London,
3. Hamilton.F, (eds) 1997. Industrialization in Developing and Peripheral Regions, Croom Helm, London,
4. Chand Mahesh and U.K.Puri, 1983. Regional Planning in India, Allied Publishers, New Delhi,
5. Isward Walter, 1960. Methods of Regional Analysis – An Introduction to Regional Science, MIT Press, Cambridge,.
6. Roy Prodipdo and Patil BR (eds) 1977 Manual for Block Level Planning Mcmillan Company India Limited,

UNIT I DEVELOPMENT CONSEQUENCES ON ENVIRONMENT 9

Components of Environment – Classification of Environmental Resources - Purpose and Objectives in Environmental Protection, Planning and Management – Consequence of Development over Urban and Rural Settlements – Environmental Concerns at Local, Regional and Global levels.

UNIT II ENVIRONMENTAL MANAGEMENT AND STANDARDS 6

Institutional and Legal Support in management of the Environment – Environmental Policies, and Protocols - Global Environmental Initiatives - Environmental Indicators - Concepts and Measures in Environmental Standards

UNIT III ENVIRONMENTAL IMPACT ASSESSMENT 9

Overview of Environmental Impact Assessment Practice in India - Types, Conceptual Approach and Phases of EIA – Impact Identification Methodologies – Prediction and Assessment of Social, Cultural and Economic Environments

UNIT IV ENVIRONMENTAL DECISION MAKING 9

Generation and Evaluation of Alternatives – Decision Methods – Mitigation and Environmental Management Plan – Public Participation in the Process of Environmental Decision Making Process

UNIT V ENVIRONMENTAL APPROACH IN PLANNING 12

Environmental Concepts – Sustainability and Environmental Carrying Capacity – Environmental Strategies in Landuse, Transportation, Infrastructure Planning and Management - Legislative Requirements, Public Awareness and Community Participation – Environmental Management Options

TOTAL: 45 PERIODS**REFERENCES**

1. Aresh Kumar Maitra, 'Urban Environment in Crisis', New Age International (P) Limited, Publishers, New Delhi.
2. Avijit Gupta and Mukul G. Asher, 'Environment and the Developing World', John Wiley & Sons, New York, USA.
3. Larry W. Canter, 'Environmental Impact Assessment', McGraw-Hill, Inc., New York, 1996.
4. Pannirselvam R and Karthikeyan (2005), 'Environmental Impact Assessment' SPGS Publishers, Chennai.
5. Rao P.K (2001), 'Sustainable Development', Blackwell Publishers, Massachusetts, USA.

OBJECTIVE:

To make the students aware and understand the relevance of constitution and legislation in terms with spatial planning. The course also facilitates students to experience implications of the existing legislations relating to planning and its importance and shortcomings. The students are exposed to problems and prospects of town planning in terms of professional practice.

UNIT I CONCEPT OF PLANNING LEGISLATION 8

The concept of law, Indian Constitution. National Goals. Rights of Ownership and development of property. Statutory control as a positive tool in plan preparation and implementation. Evolution, scope and Significance of Planning Legislation. History and survey of development of planning legislation in India.

UNIT II ACTS AND RULES GOVERNING LOCAL BODIES 12

Panchayat Act, Municipality Act, Corporation Act, TNULB Act, Provisions in the above acts related to functions, powers, role and responsibilities of local bodies including elected representatives and officers. 73rd and 74th CAA and their implications on planning and development. Local Body finance, revenue, expenditure and resource mobilization.

UNIT III ACTS RELATED TO PLANNING AND IMPLICATIONS OF LAWS AND LEGISLATION ON DEVELOPMENT 10

Review of Town and Country Planning Act of Tamilnadu 1972, Urban Development Act, Public Health Act, Slum Improvement Act, Housing Act, Pollution Act, Acts related to Environment. Legal aspects of Ownership, Lease and Tenancy transfers development management, law relating to utilities and services. Implications of Land ceiling, betterment levy and development charges. Concept of arbitration.

UNIT IV PROFESSIONAL PRACTICE 9

Professional role responsibility and planning consultancy service, professional ethics, code of conduct and professional charge, role of inter disciplinary group, consultancy agreements, contracts, project proposals formulation, changing professional practice in India and abroad

UNIT V PROFESSIONAL INSTITUTIONS 6

Aims, objectives of Professional institutions - Private organizations, International organizations. Institution buildings and setting up private practice and work. Career options and prospects – case studies.

TOTAL: 45 PERIODS

REFERENCES

1. C.K.Bikeswaran, 1964, 'The Madras Building (Lease and Rent Control Act), 1960, Sitaraman and Co., Madras.
2. Gopal Bhargava, 1983, 'Socio-economic and legal implications of urban land ceiling and regulations', Abhinav Publishing Company, New Delhi.
3. Government of Tamilnadu, 1976,'The Tamilnadu Town and Country Planning Act, 1971, Government of Tamilnadu.
4. B.I.S., 1980, "National Building Code of India', ISI, New Delhi.

and Recommendations, Preliminary framework for project monitoring and evaluation and Case studies

UNIT IV PROJECT MONITORING 9

Framework, Planning and Management, Monitoring, Performance monitoring – Design, Software components, Data Collection, Potential Problems and Possible solutions and Reports monitoring, Process Monitoring – Key issues, Monitoring Schedule, Data collection, Design , strategy, CPM, PERT

UNIT V PROJECT EVALUATION 9

Framework, Impact Evaluation – Approaches, Key issues, Alternative to large scale qualitative Evaluation designs, Quantitative estimates of Net project Impacts, Comparison of the effectiveness of different projects, Management, Evaluation of Non shelter Urban Projects(Case studies)

TOTAL: 45 PERIODS

REFERENCES

1. Michael Bambarger and Eleanor Hewitt, January, 1985, Monitoring and Evaluating, Urban Development Programmes: A hand book for program managers and Researchers, The World Bank, 1988
2. Warren C. Baum, 1993, The project cycle, World Bank – Economic Development Projects, Washington
3. Henderson PD, Investment Criteria for Public Enterprises, Penguin Books

**MP 9132 URBAN INFRASTRUCTURE AND NETWORK PLANNING L T P/S C
3 0 0 3**

UNIT I URBAN FORMS, SIZE AND INFRASTRUCTURE 10

Obligatory and Discretionary Services, Implication of Urban Form and Size on Services, Norms and Standards, National and Local guidelines, Recommendations of Rakesh Mohan Committee.

UNIT II SITING OF SERVICES AND NETWORK 9

Lay of Urban Area, Siting of Services Vs Landuse and Efficiency. Basics of Service Network.

UNIT III ESSENTIAL SERVICES 12

Demand Strategy, Issues and Tasks, Operation and Management Aspects of each Service–Water Supply, Sewerage / Drainage, Solid Waste Management, roads and Street Lighting and Living Environment.

UNIT IV NETWORK OF SERVICES 8

Priority, Placement Network Options, Effective System Analysis.

UNIT V SERVICE PLANNING PROCESS 6

Assessment of Status, Demand, Community Participation, Corporate approach, investment and implementation mechanism.

TOTAL: 45 PERIODS

REFERENCES

1. T.P.Salvats, Environmental Engineering and Sanitation, Wiley and Sons, New York, 1972.
2. Steel E.W. Water supply and Sewerage, Mc Graw Hill Book Co. Inc., New York, 1984.
3. CPHEERI, M/c UA and e, Manual on Water Supply and Sewerage, New Delhi, 1991.
4. United Nations, Bureau of Solid waste Management, BSWM, Washington, DC, 1970.

MP 9133

DISSERTATION

L T P/S C
0 0 10 5

Dissertation is a formal report written systematically on a particular topic as related to town and country planning. This exercise is taken up as to widen and enrich the literature pertaining to a topic of research. It may focus upon cross section of literature of a topic with or without research hypothesis. The material written systematically may be useful in fourth semester when the same topic with literature reviewed systematically be confined as a part of thesis.

TOTAL: 150 PERIODS

MP 9134

PLANNING PROJECT III

L T P/S C
0 0 10 5

Elaboration of the principals and techniques adopted and learnt themes and planning projects. Application of themes and techniques of planning in the preparation of development plans at Regional, district, blocks, central village and village level, along with community action and participation plans. Studies and analysis would consist of survey, local renewable development, settlement distribution pattern, environmental protection, institutional and implementation framework. Identification of projects, programmes and schemes with funding sources.

TOTAL: 150 PERIODS

MP 9141 URBAN GOVERNANCE AND INSTITUTIONAL MANAGEMENT **L T P/S C**
3 0 0 3

OBJECTIVE

To make students understand the governance systems of urban and rural local government with respect to the role, structure and functions of planning agencies. To understand the organizational change and management principles and its application to planning and implementing organization in the context of urban and rural development management.

UNIT I URBAN GOVERNANCE 7

Basic Concepts of Governance. Governance and Urban Governance, Definitions, Principles and practice regarding urban governance. Evolution and Processes. Governance and Change. New forms of Governance

UNIT II LOCAL GOVERNMENT ADMINISTRATION AND MANAGEMENT 10

Concepts, theories and practices in Local Administration. Central and State system of Local Administration. Urban and rural Administration in Developed, developing, and underdeveloped countries with case studies. 73rd and 74th Constitutional Amendment and its institutional mechanisms for governance. Role of planning and development agencies in India and other countries.

UNIT III INSTITUTIONAL FRAMEWORK AND DEVELOPMENT 7

Description to Institution and Institutional development. The institutional framework of urban and rural administration and management. Issues related to urban development for plan processing, implementing and enforcement relating to governance aspects of different organizations involved.

UNIT IV ORGANIZATION AND MANAGEMENT 12

Organizations -types, concepts, theories and functions. Approaches to understanding organizations, organizational change and development. Management – concepts, theories and practice. Human resource planning and management – work, tasks, job analysis, work culture, interpersonal communication, performance appraisal, Organizations governing urban and rural development- state departments, development authorities, and local self governments.

UNIT V PARTICIPATORY GOVERNANCE AND URBAN DEVELOPMENT 9

Peoples participation – theories, concepts and methods. Participatory governance-meaning, processes and methods. Role of people's participation in planning processes. People, NGO and civil society and urban development. Public relations- concepts types, methods and planning public relations. Best practices- national and international on participation, infrastructure and urban development

TOTAL: 45 PERIODS

REFERENCES

1. Maria Pinto, (1999), Metropolitan City Governance in India, Sage Publications, New Delhi.
2. John Abbott (1996), Sharing the City: Community Participation in Urban Development, Earthscan, London Richard O'Dohanty, Planning, People and Preferences, Arebury, USA Ishwar Dayal, (1983), Organization for management in developing countries, Concept Publishing Co. New Delhi.
3. Ganguli, (1983), Structure and Processes of Organization Allied Publications Pvt. Ltd, New Delhi.
4. Jain R.B, (2001), Public Administration in India, 21st Century Challenges for Good Governance, Deep and Deep Publications Pvt. Ltd, New Delhi.
5. Prasad B.K, (2003), Urban Development New Perspective, Sarup and sons, New Delhi..
6. Manoj Sharma, (2004), Local Government Rural and Urban, Anmol Publications, New Delhi.

MP 9142

THESIS

L T P/S C
0 0 26 13

Students shall be required to undertake thesis studies in the areas of relevance and concern in the urban and regional development process. The broad areas of study would include

1. Planning for region, urban development and renewal
2. Planning for infrastructure development
3. Urban governance, Management and Finance
4. Environmental and Sustainable development
5. Housing, Heritage and Conservation
6. Any other emerging areas in the field of urban and regional planning

The thesis shall be submitted in the form of report, drawing sheet, charts, CDs and Slides if any.

TOTAL: 390 PERIODS

MP 9151

RURAL AND URBAN HOUSING

L T P/S C
3 0 0 3

UNIT I HOUSING AND DEVELOPMENT 9

Importance and Reflections of Housing on Social, Cultural and Economic Development – Role of Government and Public Agencies in Housing Development – National Housing Policy in India – Comparison of Housing Policies and Programmes of Developed and Developing Countries

UNIT II HOUSING SCENARIO IN INDIA 9

Housing Stock and its Adequacy in Urban & Rural Settlements – Housing Quality and its Determinants – Housing Supply and Demand Assessments – External and Internal factors of influence on Housing Development – Trends in Housing Market

UNIT III HOUSING PROGRAMMES IN INDIA 9

Nature and Type of housing development Programmes - Sites and Services, LIG, MIG, HIG Schemes, - Rural Housing Schemes - Slum Housing Programmes - Cooperative and Private Sector Housing situation in India

UNIT IV INSTITUTIONAL FRAMEWORK 9

Housing agencies for Policy making, Programme Formulation, and Implementation, - Objectives and Functioning of agencies like TNHB, TNSCB, CMDA, Cooperatives and other Department Agencies – Support of the National and State Governments

UNIT V HOUSING FINANCE 9

Formal and Informal Systems of Finance - Financing agencies and their Terms of Lending – Direct and Indirect Incentives for Housing Development - Housing Affordability in relation with demographic, social and economic status

TOTAL : 45 PERIODS

REFERENCES

1. Kavita Datta and G.A. Jones (1999), 'Housing and Finance in Developing Countries', Routledge, London.
2. UNCHS (1994), 'National Experience with Shelter Delivery for the Poorest Group', UNCHS, Nairobi.
3. Gilbert A and Gugler J (1992), 'Cities Poverty and Development – Urbanization in Third World', Oxford University Press.
4. Cedric Pugh (1990), 'Housing and Urbanization', Sage Publications, New Delhi.

MP 9152

**GIS MODELLING IN URBAN AND
REGIONAL PLANNING (PRACTICAL)**

**L T P/S C
0 0 6 3**

OBJECTIVE:

To train the candidate in building GIS models for urban and Regional Planning Applications with hands on experience of spatial data, attribute data input and experiment with GIS analysis.

Note: This is offered as a practical in the Computer lab and does not involves setting of question paper as in theory paper. Therefore, it is worked out as 4 modules as indicated below

UNIT I INTRODUCTION

10

Classification of spatial and non-spatial data application of spatial data in urban and regional planning – objectives and functions of GIS models in Urban and Regional Planning.

UNIT II SPATIAL DATA INPUT

15

Defining the objectives of a GIS Planning problems – Identification of required spatial data layers – coding schemes – digitization of spatial data – editing spatial data usable for the given planning problem.

UNIT III ATTRIBUTE DATA INPUT

15

Role of attribute data in defining geographic features – adding attribute data file – topology generation – Joining attribute data to its geographic features.

UNIT IV SPATIAL ANALYSIS USING GIS

20

Performing overlay functions – manipulating attribute data – GIS modelling – map and report generation – case problems on regional analysis, impact assessment study, project formulation and land suitability analysis.

TOTAL: 60 PERIODS

REFERENCES

1. Brail K.R. (1990) Integrating GIS into Urban and Regional Planning. Alternative approaches for developing countries. Regional development Dialogue, Vol.11, No.3, UNCRD, Japan, 1990.
2. Cartwright T.J. (1991) Information Systems for Urban and Management in Developing Countries. The concept and reality, computers, environment and urban systems Vol.15, 1991.

3. Klosterman R.E., (1990) Micro computer packages for Planning Analysis, American Planning Association Journal, Autrenn, 1990.
4. ERSI (1992) Understanding GIS. The ARCI INFO. Methods, ERSI, USA.
5. Tomlin C.D. (1990) Geographic Information Systems and Cartographic Modeling, Prentice Hall, Englewood Cliffs, U.S.A.

MP 9153

RESEARCH METHODOLOGY

L T P/S C

3 0 0 3

OBJECTIVE

To develop a research culture among the students and study, use and understand appropriate methods in formulating problems and conduct surveys, analyse data and prepare a research report.

UNIT I RESEARCH AND PLANNING 8

Research- definitions, types, purposes and application. Research as a way of thinking. Research processes. Planning Processes. Commonalities and differences between research processes and planning processes. Research design – definition, types, features, and Ideal Research design. Planning Projects Vs Research Projects.

UNIT II SOURCES OF DATA 8

Data, and information. Access to Information, Nature, types and sources. Census and sample surveys and case studies. Secondary sources and its availability in terms of form, time and reliability. Organizations deals with secondary data generation and dissemination. Primary data-types, sources and generation. Secondary data and Literature studies. Literature survey and formulation of theoretical framework. Hypothesis – definition, formulation and relevance to research studies

UNIT III METHODS OF DATA COLLECTION 10

Observation – participant and non-participant techniques of observation, Preparation for field observation of people, buildings, places and activities. Merits and Demerits of observation. Interview- structured and unstructured interviews, telephone interviews, Rapport Building. Merit and demerits of Interview. Questionnaire- mailed questionnaire. Formation of questions, sequencing and constructing questionnaire. Merits and demerits. Schedule, Difference between Questionnaire and Schedule. Administration of Field Survey- pre requisites and preparations.

UNIT IV DATA ANALYSIS 10

Criteria for analysis – descriptive and comparative. Processing raw data- Coding, tabulating, and illustrative. Secondary data analysis and primary data analysis and making interface between the two. Univariate, Bi-variate and Multi-variate analysis of data. Draw conclusions and Interpretation of the analysis. Link interpretation to policy, and design.

UNIT V REPORT WRITING 9

Contents, and preliminaries. Writing reports when to start and finish. Language structure, and report format. Presentation of graphs, tables, maps and illustrations. Citation, Referencing and Indexing. Format for preparing Bibliography. Production of report.

TOTAL: 45 PERIODS

REFERENCES

1. Burgess G. Robert (1993) In the Field-An Introduction to Field Research, Routledge, London
2. Castells. M (1977) The Urban Questions, English Edition, Edward Arnold.
2. De Vaus. D.A. (1986) Surveys in Social Research, George Allen and Unwin, London
3. Good and Hatt (1952) Methods in Social Research, Macgrows Hill, New York
4. Kumar Ranjit (1999) Research Methodology- A step by step Guide for Beginners, Sage Publications, New Delhi
5. Kothari C.R. (1990) Research Methodology- methods and Techniques, Wishwa Prakashan, New Delhi.
6. Young. Paul (1960) Scientific Social Survey Research, Prentice Hall, New York.

MP 9154

**PLANNING AND MANAGEMENT OF URBAN
POVERTY ALLEVIATION PROGRAMMES**

**L T P/S C
3 0 0 3**

OBJECTIVE:

To teach and appraise about the quantum and content of urban poverty in India particularly and explain the planning and management of various programmes of urban and rural poverty.

UNIT I URBAN POVERTY

8

Definitions and methods of assessment of poverty in urban areas: Dimensions and characteristics of urban poverty.

UNIT II URBANISATION AND URBAN POVERTY

10

Implications of urban poverty - physical, social and environment at city and community level: poverty vs. economic productivity, urban poor and informal sector, and gender issues in poverty.

UNIT III CASE STUDIES

8

Urban poverty and poverty alleviation programmes in developed and developing nations.

UNIT IV POVERTY IN RURAL AND URBAN INDIA

9

Extent, dimensions, factors of poverty, policies and programmes and performances - public and private interventions, implementations strategy – funding of urban poverty alleviations interventions.

UNIT V ECONOMIC REFORMS, INFRASTRUCTURE AND POVERTY

10

Innovative practices no major issue areas, economic reforms and poverty, land development, infrastructure improvement, shelter, local economic, development and income generation at micro level.

TOTAL 45 PERIODS

REFERENCES:

1. Agnihotri P, Poverty Admist property: Survey of slums, M.D.Publications Pvt. Ltd, New Delhi, 1993.
2. SinghJ and Tiwari R.K Managing Poverty Alleviation, IIPA, New Delhi, 1994.
3. Misra G.Kand Narain M.K. Development, Programmes for urban Poor, IIPA, New Delhi, 1991.
4. World Bank Gender and poverty in India,s World Bank, Washington DC, 1991.
5. Dreze J et al, The Political economy of hunger, Clarendon Prten, London, 1995.

MP 9155

KNOWLEDGE BASED CITY PLANNING

**LT P/S C
3 0 0 3**

OBJECTIVE:

The objective of the course is to provide the student of planning the emerging ideas and innovations of information technology, economics and urban competitiveness as to sustain the development of city and city –regions.

UNIT I IMPORTANCE OF KNOWLEDGE 8

Meaning and importance of Knowledge, Types of Knowledge, Heritage and tradition as knowledge – capital or culture.

UNIT II KNOWLEDGE – BASE OF CITIES 8

Knowledge and its socio- geographical context. Towns and cities as Knowledge, innovative centers and their relevance in regional and national economic growth.

UNIT III KNOWLEDGE AND ECONOMIC INFORMATION NETWORKS 8

Global urban regions and their network in sharing of knowledge, hard and soft networks assessing urban competitiveness in local, regional, national and international levels.

UNIT IV CHANGING FORMS OF PRODUCTION PROCESSES 12

Changing forms of production processes in manufacturing and services activities, knowledge intensive services and urban innovativeness.

UNIT V REGULATION AND GOVERNANCE OF KNOWLEDGE AND INFORMATION AND URBAN REGIONS 9

Cognition innovative and organizational competency of urban regions, Knowledge as intellectual property, laws and legislative measures of information and related inputs. Telematics aided urban development.

TOTAL : 45 PERIODS

REFERENCES

1. Urban studies (2002): An international journal for research in urban and regional studies, Vol.39/no5/6, University of Glargow, U.K
2. Polland J (2000) (ed), Knowlegde, space of Economy Rent ledge, London.
3. Boddy M (1999), Geographical economics and urban competitiveness: a critique, urban studies 36, pp 811- 842
4. Castells M & Hall P, (1994) Techni pooles of the world, Rentledge, London.
5. Castells M (2000) The information city, Blackwell, Oxford.

6. Bosken F et al (2000), Knowledge, innovation and economic growth: the theory and practice of learning regions, Edward Elgon, Cheltenham.
7. Graham S and Marvin, S (1996), Telecommunication and the city: Electronic spaces, urban places, Rent ledge, London.

**MP 9156 WEB BASED APPLICATIONS IN URBAN AND REGIONAL PLANNING (PRACTICAL) L T P/S C
0 0 6 3**

OBJECTIVE:

To train the candidate the use of web for Urban and Regional Planning Applications and to train them to build case based web development.

This course is designed based on advanced applications, and the candidates are expected to be through in INTERNET, Windows / NT OS, HTML etc.)

UNIT I ROLE OF WEB BASED TECHNOLOGY IN PLANNING 20
Information need and the role of Web in Planning – Public participation – Information transparency – Current trends.

UNIT II INFORMATION DISSEMINATION THROUGH INTRA AND INTERNET 20
INFOCITY – Knowledge sharing – E- governance – Information kiosks – digital planning

UNIT III PLANNING INFORMATION ACROSS INTERNET 20
Web sites and information sources in urban and regional Planning-virtual reality in planning applications.

TOTAL: 60 PERIODS

Note: this subject is offered as a practical using INTERNET resources including the assessments, and does not involves setting of question paper as in theory paper. Therefore, it is worked out 3 modules as indicated above

REFERENCES

1. www.infocity.com
2. www.esri.com and number of such sites as and when developed would be used as the resource for the course.
3. Kim T.J., (1999) "Expert systems : Applications to Urban Planning, Springer-Verleg, New York
4. **Arnum E. & Conti S.**, 1998, "[Internet Deployment Worldwide: The New Superhighway Follows the Old Wires, Rails and Roads](#)", *INET'98: The Internet Summit*, 21-24th July 1998, Geneva, Switzerland
5. **Carriere J. & Kazman R.**, 1997. "[WebQuery : Searching and Visualizing the Web through Connectivity](#)", *Sixth International World Wide Web Conference*.
6. **Abbate J.**, 1999, [Inventing the Internet](#), (MIT Press: Cambridge, MA.).

7. **Dodge, M & Kitchin, R.**, 2001, [*Atlas of Cyberspace*](#), Addison-Wesley, London.
8. **Downey G.**, 2001, "[Virtual Webs, Physical Technologies and Hidden Workers](#)", *Technology and Culture*, Vol. 42, No. 2, pages 209-235.
9. **Graham S. & Marvin S.**, 1996, "*Telecommunications and the City: Electronic Spaces, Urban Places*", Routledge : London

MP 9157

PLANNING FOR TOURISM DEVELOPMENT

L T P/S C

3 0 0 3

OBJECTIVE

To make students aware of the methods and aspects concern towards preparation of tourism plan and managing environmentally sensitive areas.

UNIT I TOURISM

5

Definition, concepts, sectors, and perspectives. Purpose of tourism planning- planning view, scale and development.

UNIT II TOURISM AND ENVIRONMENT

8

Environmental issues and tourism. Carrying capacity and Sustainable development. Ecotourism. Landscape, environment and tourism, natural and man-made heritage and tourism development.

UNIT III SOCIAL AND ECONOMIC IMPERATIVES OF TOURISM DEVELOPMENT

12

Sociology of Tourism – Leisure, recreation and society. Tourist and Local community. Community, Culture, religion and visiting habits. Gender issues and tourism. Tourism and social problems. Economics of Tourism – Tourism as an industry, regional and urban economic development. Informal sector and tourism. Business and Marketing aspects of tourism.

UNIT IV TOURISM AND SPATIAL PLANNING TOWARDS URBAN AND RURAL DEVELOPMENT

12

Concepts related to tourism planning-urban and regional planning concepts. Destination Planning concepts-places, issues, and guides. Tourist Site Planning – processes and sustainability. Nature, scope and issues related to preparation of Tourism Plan. Sustainable tourism planning. Tourism Planning Methods and Analysis. Transport and other Infrastructure planning and tourism development. Urban and Rural based tourism.

UNIT V TOURISM AND COMMUNICATION AND MANAGEMENT SYSTEMS

8

Tourism as a system- market, function and external factors. Government and tourism policy and priorities. Role of local community and Tourism promotion. Private sector and tourism development. Information technology and tourism management. Tourism as local, regional, national and global perspectives.

TOTAL : 45 PERIODS

REFERENCES

1. Bhatia.A.K. (1982), Tourism Development. Principles and Practice, Sterling Publishers, New Delhi Glare A. Gunn, (1994), Tourism Planning-Basics, Concepts, Cases, Taylor & Francis, London
2. Manuel Baud Bouy. (1977), Tourism and Recreation Development. Architecture Press, London
3. Tej Vir Singh. (1985), Climatology of recreation: An Appraisal of climate studies in tourism, wildlife and park conservation, Metropolitan Book Co. New Delhi.
4. Willam Allen. (1990), Heritage Tourism and Society, Manseel Publishing Ltd. England.
5. State Planning Commission, Tamil Nadu. (1999), The perspective plan for Tamil Nadu, Towards Better tourism Development, Report of the Task Force on Urban development and Tourism Governmnet of Tamil Nadu, Chennai, Tourism Recreation Research Journal

MP 9158

URBAN FINANCE

L T P/S C

3 0 0 3

UNIT I AN OVER-VIEW

9

Organization of Local Self governments, 74th CAA – Context and Implications, Election of Local Body Governments – Need and Process, Urbanization Process and its Impacts on Civic Services, Urban Development through Five Year Plans, Status of Civic Services in urban Sector, Investment Requirements, Limitation of Funds in Government and Private Sectors

UNIT II MUNICIPAL FINANCE

9

Nature and Composition of Income and expenditure, Limitations and Need for Revenue Enhancements, Expenditure Control Methods and Mechanisms, Budgetary Allocation from Central and State Governments for Urban Development, Assistance from Foreign Donors and Multilateral Agencies, Non traditional Sources of Funding – Market Access – Pool Finance – Pre-requisite Conditions for Accessing Non-Traditional Funds.

UNIT III ADDITIONAL FUNDING SOURCES

9

Types of Partnership Approaches, Privatization of Civic Services, Public Private Partnership Mechanisms, Types of Contracts and Ownerships, Emerging Cost- Effective Technology Interventions, User Charged Projects – Pricing of Services.

UNIT IV RESOURCES BASED ON ACHIEVEMENT OF URBAN REFORMS

6

Role of State Government and Urban Local Bodies, City's Challenge Fund, urban Reforms – Implications on Resources, Incentive Fund, State Level Pooled Finance Development Fund.

UNIT V INSTITUTIONAL CAPACITY ENHANCEMENT

12

Better Finance Management, Management Process – Accounting and Budgeting, Asset Management, receivables Management, Cost Centre Approach – Financial Operating Plan, City Corporate Plan, Development of Urban Indicators, Computerization, Management Information System.

TOTAL: 45 PERIODS

REFERENCES

1. Dr.Narayanan, Access to Market Fund, EDATEN
2. Course Materials for raining Finance Officers of ULBs by TNUDP II at Anna Institute of Management, Chennai – Administrative Staff College, Hyderabad – HSMI, HUDCO, New Delhi.
3. T.A.Broadbent, Planning and Profit in the Urban Economy, Meuthen & Co. Ltd, U.K., 1997.
4. Edward J. Blakely, Planning Local Economic Development, SAGE Publications, New Delhi, 1994.
5. Loseph Oberman, Planning and Managing the Economy of the City, Praeger publishers. U.K., 1972.

MP 9159

RURAL DEVELOPMENT

L T P/S C
3 0 0 3

OBJECTIVE:

The focus of this course is to understand and appreciate the importance of rural development in the national perspective and development, to expose the validity of the various programmes and problems faced in rural India, Rural Development as a pre-requisite for regional and national development and Quality of human life.

UNIT I NATIONAL PLANNING AND RURAL DEVELOPMENT 8

Policies and Programme of rural development in India. Five year plans and Agricultural development.

UNIT II AGRICULTURAL DEVELOPMENT 10

Factors influencing agriculture. Agricultural land use. Farming systems. Economic system and occupation, rural poverty. Growth of productivity in agriculture, green revolution and its impact.

UNIT III RURAL DEVELOPMENT PROGRAMMES 9

Rural development programmes in India. Past and present – performances and problems. Rural and urban development programmes in other developing nations. Development inputs and its impact on social economic changes.

UNIT IV RURAL INFRASTRUCTURE PLANNING 9

Power and water supply, School Education and Vocational training, Health and Sanitation. Rural energy. Employment generation in rural areas. Rural industrialization. Migration.

UNIT V RURAL INSTITUTIONS AND CASE STUDIES. 9

Rural institutions and Organizations, Rural banks, Co-operatives, Marketing, Mass Media and Communication. Micro – finance, SHG and rural credit access.

TOTAL: 45 PERIODS

REFERENCES:

1. H.A.Hye. 'Integrated Approach to Rural Development', Sterling Publishers, New Delhi, 1986.

women, children, aged physically disabled and disaster management.

TOTAL: 45 PERIODS

REFERENCES

1. Naseem Ahmed. (2003), Disaster Management, Kilaso Books, New Delhi.
2. Shyam Divan and Armin Rosencranz, (2001), Environmental law and policy in India, Cases, Materials and Statutes, Oxford University Press New Delhi.
3. Mary C. Comerio, (2001), Disaster Hits Home, New Policy for Urban Housing Recovery, Oxford University Press, London.
4. Ian Davis, (1987), Safe Shelter within unsafe cities: Disaster vulnerability and rapid urbanization, Open house International, UK.
5. Cutter L. Susan, (1999), Environmental Hazards and risks, Printice Hall of India Pvt. Ltd, New Delhi.
6. Journal of Disaster Studies and Management. UK
7. Ekistics
8. Socio Economic Development Record Vol.12 No.1 Jan-Feb. 2005.

MP 9161	FUTURE STUDIES IN URBAN AND REGIONAL PLANNING	L T P/S C
		3 0 0 3
UNIT I	IMPACT OF INFORMATION TECHNOLOGY AND COMMUNICATION ON CITIES	8
	Computers, telemetric, IT and its impact on city land use	
UNIT II	FUTURE OF TRANSPORTATION AND CITIES LIFE	10
	Future cities India 2020 competition, Redevelopment strategies of New Delhi Competition, SIMcity, Transport and the future city, new Transport Technology, Integrated transport- only connect	
UNIT III	CHANGING SOCIAL LIFE	8
	Future of communities, Gated communities, future family structure	
UNIT IV	FUTURE OF REGIONAL PLANNING	10
	Technological impact on regional scale, Wired offices, SOHO, Global city, Convergences of activities, Settlement structures in the new ear.	
UNIT V	URBAN UTOPIA	9
	Under ground cities, Floating cities, Under water cities, clean air Parks, skyscraper world, Visionary city	

TOTAL: 45 PERIODS

REFERENCES:

1. Clements D, Donald A , Earnshaw M and Williams A (2008) The Future of Community, Pluto Press, London
2. Boeri S, Biswas RK (2005) Future City, Routledge, New York
3. Richards B (2002) Future Transport in Cities , Spon Press, London
4. Read S, Rosemann J and Dldijk J V (2005) Future City, Spon Press New York
5. Wagner CG (ed) (2008) Seeing thr Future Through New Eyes
6. World Future Society

7. Mack CT (ed) (2008) Hopes and Visions for the 21st Century, World Future Society
8. Mack TC (ed) (2006) Creating Global Strategies for Humanity's Future World Future Society