



No.AC.2(S)/785/19-20

Vishwavidyanilaya Karyasoudha
Crawford Hall, Mysuru- 570 005
Dated: 12.07.2019

NOTIFICATION

Sub: Minor modifications and increase in total credits in the syllabus of M.Tech. in Urban & Regional Planning from the Academic Year 2019-20.

- Ref:** 1. Decision of Board of Studies in Urban and Regional planning (PG) meeting held on 21.12.2018.
2. Decision of the Faculty of Science & Technology Meeting held on 01.04.2019.
3. Decision of the Academic Council meeting held on 07.06.2019.

The Board of Studies in Urban and Regional planning (PG) which met on 21.12.2018 recommends to made Minor modifications and increase in total credits in the syllabus of M.Tech. in Urban & Regional Planning from the Academic Year 2019-20.

The Faculty of Science and Technology and the Academic Council meetings held on 01.04.2019 and 07.06.2019 respectively have approved the above said proposal and the same is hereby notified.

The modified syllabus of M.Tech. in Urban & Regional Planning course is annexed. The contents may be downloaded **from the University Website i.e., www.uni-mysore.ac.in**.

Draft approved by the Registrar

Sd/-
Deputy Registrar (Academic),

To:

1. The Registrar (Evaluation), University of Mysore, Mysore.
2. The Dean, Faculty of Science & Technology, DOS in Zoology, Manasagangotri, Mysore.
3. The Chairperson, BOS in Urban and Regional planning, School of Planning & Architecture, Manasagangotri, Mysore.
4. The Director, School of Planning & Architecture, Manasagangotri, Mysore.
5. The Director, College Development Council, Moulya Bhavan, Manasagangotri, Mysore.
6. The Deputy/Assistant Registrar/Superintendent, AB and EB, UOM, Mysore.
7. The P.A. to the Vice-Chancellor/Registrar/Registrar (Evaluation), UOM, Mysore.
8. Office file.

Proposed Minor Modifications of Syllabus - M. Tech in Urban and Regional Planning

Existing Subject/ Syllabus of M.Tech URP/	Proposed Minor Modification of Syllabus of M.Tech URP
I Semester	
CORE PAPERS	<u>CORE PAPERS</u>
MTURP.1.1.HUMAN SETTLEMENTS; PLANNING THOUGHTS AND PHILOSOPHY	No Change
MTURP. 1.2. DEMOGRAPHY AND STATISTICAL METHODS	MTURP. 1.2. DEMOGRAPHY AND STATISTICAL METHODS
<p><u>PART -A: DEMOGRAPHY</u></p> <p><u>Lecture</u> Sources of Demographic data for planning- Population structure and Characteristics such as age, sex, occupation, educational attainment etc. Birth and Death rates. Population policies. Life Tables - Construction and analysis. Methods of population Projections. Migration, classification and factors influencing migration. Migration types and its impact on Urban Growth and Urbanization.</p> <p><u>Tutorial</u> Population Census in India- Census Operation- Census Questionnaires and Schedules.</p> <p><u>PART -B: STATISTCAL METHODS</u></p>	<p><u>PART- A: DEMOGRAPHY</u></p> <p><u>Lecture</u> Sources of Demographic data for planning- Population structure and Characteristics such as age, sex, occupation, educational attainment etc. Birth and Death rates. Population policies. Methods of population projections. Migration and Migration analysis, classification and factors influencing migration. Migration types and its impact on Urban Growth and Urbanization.</p> <p><u>Tutorials</u> Population Census in India- Census Operation- Census Questionnaires and Schedules. Life Tables - Construction and analysis. Migration and its implications in spatial planning.</p> <p><u>PART- B: STATISTCAL METHODS</u></p>

<p><u>Lecture</u> Statistics as a tool to analyze and interpret data related to urban and regional planning. Measures of Central tendency, measures of dispersion- standard deviation. Chi-square Test, simple linear regression and correlation.</p> <p><u>Tutorial</u> Types of primary surveys, Design of planning questionnaires, sample surveys and Sampling methods.</p> <p>References:</p> <ol style="list-style-type: none"> 1. D. Bogue: Demography, 2. Davis. H Craig: Demographic projects techniques for regions and smaller areas. A Premier, UBC press ,Vancouver. DC 1995 3. Levin R and DS Rubin: Statistics for Management, Prentice Hall of India Ltd., Vi Ed, New Delhi 1995. 4. United Nations: ` Methods for projection of urban and rural population. Manual and Methods of estimating population, UN New York, 1974. 5. Bhende, A., Kanitkar, T., 2003. <i>Principles of Population Studies</i>. Bombay: Himalaya Publishing House. 6. Pathak, K.B. and Ram, F., 1992. <i>Techniques of Demographic Analysis</i>. Bombay: Himalaya Publishing House. 	<p><u>Lecture</u> Statistics as a tool to analyze and interpret data related to urban and regional planning. Measures of central tendency, measures of dispersion- standard deviation. Chi-square Test, simple linear regression and correlation.</p> <p><u>Tutorials</u> Types of primary surveys, Design of planning questionnaires, sample surveys and sampling methods. Overview of SPSS (Statistical Package for Social Science).</p> <p>References:</p> <ol style="list-style-type: none"> 1. Donald J. Bogue. <i>Principles of Demography</i>. John Wiley & Sons Inc. 1969 2. Davis. H Craig: <i>Demographic projects techniques for regions and smaller areas</i>. A Premier, UBC press ,Vancouver. DC 1995 3. United Nations: ` Methods for projection of urban and rural population. Manual and Methods of estimating population, UN New York, 1974. 4. Bhende, A., Kanitkar, T., 2003. <i>Principles of Population Studies</i>. Bombay: Himalaya Publishing House. 5. Sinha, V.C. and Acharia, E. <i>Elements of Demography</i> Allied Pub., Delhi. 1984. 6. Levin R and DS Rubin: <i>Statistics for Management, Prentice Hall of India Ltd., Vi Ed, New Delhi 1995.</i> 7. Dixon, W.J. and Massey, F.J. <i>Introduction to Statistical Analysis</i> McGraw Hill, New York. 1951.
<p>MTURP 1.3. PHYSICAL PLANNING: PRINCIPLES AND TECHNIQUES</p>	<p>No Change</p>
<p>MTURP.1.4 FOUNDATION COURSE IN NETWORKS AND CONSTRUCTION TECHNOLOGY (for social science background students)</p>	<p>No Change</p>

MTURP 1.5 FOUNDATION COURSE IN SOCIAL SCIENCES (for Architecture and Engineering background students. Questions to be covered in all parts)	No Change
<u>PROJECT WORK</u>	<u>PROJECT WORK</u>
URP 1.6. PLANNING STUDIO : Micro Planning	No Change
II Semester	
CORE PAPERS	<u>CORE PAPERS</u>
MTURP 2.1 REGIONAL PLANNING AND DEVELOPMENT	MTURP 2.1 REGIONAL PLANNING AND DEVELOPMENT

Lecture

Aims and Objectives and need for regional planning- Concept, Types and Classification of regions. Delineation of planning regions by various Techniques- Principal component method, Composite index, Ridgeline technique, Gravity potential technique, Boundary girdle method.

Regional Planning and Economic Development- Backward regions and Developed regions, Characteristics and reasons for backwardness. Case study of any regional plan.

Introduction to regional analysis. Linear Programming, Input and Output Analysis- Growth Model, Core-periphery models.

Regional Development Theories- W. Christaller; Von Thunen; Losch; A .Weber and W. Isard.

Application of Regional techniques in District Planning.

Tutorial

Multilevel planning – Needs and methods of multilevel planning in India. Growth Foci concept- Regional planning as a tool to integrate rural and urban areas.

District Planning: Integrated approach to district level planning (vertical and horizontal spatial integration); Rural-Urban spatial relationship; District Development Plans – Guidelines for District Planning: Content and context and methodologies

References:

1. R.P. Misra: Regional Planning: Concepts, Techniques and case studies; Concept Publishers, New Delhi 1998
2. W. Isard: Methods of Regional Analysis- An Introduction to Regional Science. MIT Press, Cambridge 1960
3. Chand Mahesh and V.K. Puri: Regional planning in India; Allied Publishers, New Delhi, 1983.

Lecture

Basic Concepts, Types and Classification of regions. Aim and objectives and need for regional planning. Delineation of planning regions by various Techniques- Principal component method, Composite index, Ridgeline technique, Gravity potential technique and Boundary girdle method etc.

Regional Planning and Economic Development- Backward regions and Developed regions, Characteristics and reasons for backwardness. Introduction to regional analysis techniques. Linear Programming, Input and Output model, Growth pole Hypothesis, Core-periphery models etc.

Regional Development Theories- W. Christaller; Von Thunen; Losch; A .Weber and W. Isard.

Application of Regional techniques in District Planning. District Planning: Integrated approach to district level planning (vertical and horizontal spatial integration); Rural-Urban spatial relationship; District Development Plans – Guidelines for District Planning: Content and context and methodologies

Tutorials

Multilevel planning – Needs and methods of multilevel planning in India. Growth Foci concept- Regional planning as a tool to integrate rural and urban areas.

Special Regions: SEZ, Agro Regions, Ecological regions and Industrial Corridor regions etc. Case Studies of regional plans.

References:

1. R.P. Misra: Regional Planning: Concepts, Techniques and case studies; Concept Publishers, New Delhi 1998
2. W. Isard: Methods of Regional Analysis- An Introduction to Regional Science. MIT Press, Cambridge 1960
3. Chand Mahesh and V.K. Puri: Regional planning in India; Allied Publishers, New

<p>4. K.V. Sundaram: Urban and Regional Planning in India; Vikas Publishing House, New Delhi 1984.</p> <p>5. Hansen M. (Ed) Regional Policy and Regional Integration. Edward Edgar U.K. 1996</p> <p>6. R.P. Misra. (Ed): Regional Planning, UNCRD Nagoya, Japan 10 volumes.</p>	<p>Delhi, 1983.</p> <p>4. K.V. Sundaram: Urban and Regional Planning in India; Vikas Publishing House, New Delhi 1984.</p> <p>5. Hansen M. (Ed) Regional Policy and Regional Integration. Edward Edgar U.K. 1996</p> <p>6. R.P. Misra. (Ed): Regional Planning, UNCRD Nagoya, Japan 10 volumes.</p>
<p>MTURP. 2.2. ECOLOGY AND ENVIRONMENTAL ASPECTS OF PLANNING</p>	<p>No Change</p>
<p>MTURP.2.3. HABITAT AND HOUSING</p>	<p>No Change</p>
<p>MTURP.2.4. TRAFFIC ANDTRANSPORTATIONPLANNING</p> <p>Lecture</p> <p>FormsofTransportation-TransportationsysteminIndia–Regional/RuralRoads-planninginIndiaand approachesto planningfor ruralroads.</p> <p>Urban Road classification-Road characteristics– alignment and sightdistance.</p> <p>Trafficsurveys – Speed, Volume, Intersection Design– Rotaryand Signaling system.</p> <p>UrbanTransportationPlanningProcess- Settinggoalsandobjectives- LanduseandTrafficplanning- Traveldata. Trip generation andTrip Distribution– Evaluation of Transportation proposals.</p> <p>i</p> <p>TrafficManagement– PedestrianmovementandcontrolPlanningforMassTransportationbyBus,Rail and</p>	<p>MTURP.2.4. TRAFFIC ANDTRANSPORTATIONPLANNING</p> <p>Lecture</p> <p>FormsofTransportation,TransportationsysteminIndia,-planninginIndiaand approachesto planningfor ruralroads.Regional/RuralRoads, Urban Road classification,Road characteristics,Alignment and Sightdistance.</p> <p>Traffic and Travel surveys: Volume, Speed, Origin and Destination (O&D), parking, and Accidents. Techniques of Survey and Presentation.</p> <p>Road way Intersection, Rotaryand Signalling system and design.</p> <p>UrbanTransportationPlanningProcess- Settinggoalsandobjectives,LanduseandTrafficplanning,Traveldata-Trip generation andTrip Distribution studies,Evaluation of Transportation proposals.</p>

<p>Bimodal. Rapid Transit System, and links with the region.</p> <p>Location analysis and plans for Railway stations and Marshaling Yards; Airport and Bus Station and Terminals.</p> <p>Tutorial</p> <p>Origin and Destination Surveys Parking Surveys.</p>	<p>Traffic Management–Pedestrian movement, Planning for Mass Transportation by Bus, Rail and Bimodal, Rapid Transit System, Para transit system and links with the region.</p> <p>Comprehensive Traffic and Transportation Plan, Mobility Plan, Transport system and Management Plans.</p> <p>Tutorial</p> <p>Location analysis and plans for Railway stations and Marshaling Yards, Airport sea port, Bus Station and stops, truck and other terminals.</p>
<p><u>PROJECT WORK</u></p>	<p><u>PROJECT WORK</u></p>
<p>MTURP. 2.5. PLANNING STUDIO II: Preparation of a Master Plan for an Urban Area</p>	<p>No Change</p>
<p>III Semester</p>	
<p><u>CORE PAPERS</u></p>	<p><u>CORE PAPERS</u></p>
<p>MTURP.3.1 PROJECT FORMULATION AND EVALUATION TECHNIQUES</p>	<p>MTURP.3.1 PROJECT FORMULATION, EVALUATION AND MONITORING</p>

<p>Lecture</p> <p>Basic approaches and principles- Stages in plan formulation and execution of the projects- Pre- feasibility studies.</p> <p>Types of Evaluation – Pre; Concurrent and Post Project- Economic, technical, market, managerial and financial aspects- Principles of measuring Cost Benefit Analysis. Economic and Social costs.</p> <p>Components of Cash Flow – Net Present Value and Future Value- Treatment of Uncertainty of projects. Payback period. Accounting rate of return – IRR- Emerging trends in decision making process for joint sector projects like Escrow cover and Guarantee.</p> <p>Capital Budgeting and Performance Budgeting</p> <p>Tutorial</p> <p>Networks – CPM and PERT analysis. Technique of monitoring of development works. BOT; BOOT; and Turn key Projects.</p>	<p>Lecture</p> <p>Description of plan, scheme and project. Basic approach for identification of project.</p> <p>Detailed study of project cycle and various stages of project formulation. Detailed study of project appraisal and feasibility studies.</p> <p>Methods of evaluation and monitoring of project; pre, concurrent and post evaluation of project.</p> <p>Principles of measuring Cost – Benefit analysis, economic and social cost, Threshold analysis. Network – CPM and PERT analysis.</p> <p>Components of cash flow – Net present value and future value, treatment of uncertainty of projects, payback period. Accounting rate of return – IRR.</p> <p>Tutorial</p> <ul style="list-style-type: none"> - DPR (Detailed Project Report). - Techniques of monitoring of development works. BOT; BOOT and Turn key projects, Emerging trends in decision making process for joint sector project, like Escrow cover and Guarantee et
<p>MTURP 3.2 PLANNING LEGISLATION, GOVERNANCE AND MANAGEMENT</p>	<p>No Change</p>
<p>MTURP. 3.4.3. COMPUTERS APPLICATIONS, INFORMATION TECHNOLOGY AND GEOGRAPHIC INFORMATION SYSTEMS</p>	<p>MTURP. 3.4.3. COMPUTERS APPLICATIONS, INFORMATION</p>

(GIS)	TECHNOLOGY AND GEOGRAPHIC INFORMATION SYSTEMS (GIS)
<p><u>Lecture</u></p> <p>PART- A</p> <p>Computer applications – Hardware, software and computer Networks. Web resources, web portal - India Urban Portal, India Water Portal, DISNET & NICNET Data Base Management, Urban and Regional information system and Management Information System (MIS), Land Information System, National Urban Information System (NIUS).</p> <p>PART -B</p> <p>Introduction to remote sensing – spatial data acquisition and applications of remote sensing in Urban and Regional Planning</p> <p>Elements of GIS: Hardware, data, software, data input. Vector and raster software, data storage and data management, data processing and data output and presentation. Concepts and User interface. GIS data types and Structures; Data Models, Vector Data Model and Raster Data Model Databases" Data Base Management System, Database design, Data integration, input sources, primary data, secondary data, satellite data, digitizing - manual digitizing, raster scanning, vector and raster conversion. Network analysis, Overlay analysis and Query.</p> <p>Tutorials</p> <p>Information Technology and e-Governance Initiatives: IT policy of State Government and Government of India, Case studies of Bhoomi, RDS and other e-governance initiatives.</p>	<p>PART- A: COMPUTERS APPLICATIONS, INFORMATION TECHNOLOGY</p> <p><u>Lecture</u></p> <p>Computer applications – Hardware, software and computer Networks. DISNET & NICNET. Web resources, web portal – SMARTNET, India Water Portal, India Environmental Portal etc. Data Base Management, Management Information System (MIS), Land Information System, National Urban Information System (NIUS).</p> <p><u>Tutorials</u></p> <p>: Information Technology and e-Governance Initiatives: IT policy of State Government and Government of India, Case studies of Bhoomi, RDS and other e-governance initiatives in India.</p> <p>PART- B: GEOGRAPHIC INFORMATION SYSTEMS (GIS)</p> <p><u>Lecture</u></p> <p>Introduction to remote sensing – spatial data acquisition and applications of remote sensing in Urban and Regional Planning</p> <p>Elements of GIS: Hardware, data, software, data input. Vector and raster software, data storage and data management, data processing and data output and presentation. Concepts and User interface. GIS data types and Structures; Data Models, Vector Data and Raster Data. GIS Databases and Data Base Management System, Database design, Data integration, input sources, primary data, secondary data, satellite data, digitizing - manual digitizing, raster scanning, vector and raster conversion.</p> <p><u>Tutorials</u></p> <p>Network analysis, Overlay analysis and Query. Modeling with GIS, Data analysis</p>

<p>Modeling with GIS, Data analysis and modeling: Spatial analysis and modeling.</p> <p>References:</p> <p>Crown R.G. and S. John: Computers and Information Systems. McGraw Hill Book Company, Mumbai 1984</p> <p>De Bruijin (ed); Urban Information System and Low Cost Survey Techniques: International Workshop on Urban and Regional Planning Information Systems. NRS and ITC, New Delhi. 1986</p> <p>Brenda White: Urban Information Systems,</p> <p>Rhind and H. Mounsey: Understanding GIS. Taylor and Francis. London. 1989.</p>	<p>and modeling: Spatial analysis and modeling.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Crown R.G. and S. John: Computers and Information Systems. McGraw Hill Book Company, Mumbai 1984 2. De Bruijin (ed); Urban Information System and Low Cost Survey Techniques: International Workshop on Urban and Regional Planning Information Systems. NRS and ITC, New Delhi. 1986 3. Brenda White: Urban Information Systems, 4. Rhind and H. Mounsey: Understanding GIS. Taylor and Francis. London. 1989. 5. George Joseph C Jeganathan . FUNDAMENTALS OF Remote Sensing Remote Sensing. Universities Press, Hyderabad, Third Edition. 2018
<p><u>SUPPORTING PAPERS</u></p>	<p><u>SUPPORTING PAPERS</u></p>
<p>MTURP.3.4.1 URBAN REDEVELOPMENT AND POVERTY ALLEVIATION PROGRAMMES</p> <p><u>Lecture</u></p> <p>Urban Redevelopment and Urban Renewal: - Objectives of urban Renewal, Urban Blight – Causes, Measuring Blight, Problems of Urban Decay - causes and consequences, Technique of conducting surveys to assess urban decay/blight, Case Studies of Urban Redevelopment and Urban Renewal Projects in India and Abroad.</p> <p>Slums: Characteristics of Urban Slums and Squatter Settlements - causes and its consequences. Declaration of Slums, Slum Improvement, Resettlement and Rehabilitation and Redevelopment and its Case</p>	<p>MTURP.3.4.1 URBAN REDEVELOPMENT AND POVERTY ALLEVIATION PROGRAMMES</p> <p><u>Lecture</u></p> <p>Urban Redevelopment and Urban Renewal: - Objectives of urban Renewal, Urban Blight – Causes, Measuring Blight, Problems of Urban Decay - causes and consequences, Technique of conducting surveys to assess urban decay/blight, Case Studies of Urban Redevelopment and Urban Renewal Projects in India and Abroad.</p> <p>Slums: Characteristics of Urban Slums and Squatter Settlements - causes and its consequences. Declaration of Slums, Slum Improvement, Resettlement and</p>

Studies.

Slum Improvement and Clearance Board and its Role in Development of Slum including Case Studies of Slum Improvement and Redevelopment Projects.

Urban Poverty- Identification of Urban Poverty, Basic Services Approach for Identification of Poverty, Social Sector Goals, Urban Poverty Alleviation Programmes Viz. SJSRY and EIU, BSUP(JNNURM).

Livelihood, self-employment ventures, micro-financing (self-help groups).

Urban Community Development Initiatives, Creation of Community Structures, Community Development Society and its role in Poverty Alleviation ,

Role of Voluntary Agencies and Institutions in Slum Improvement and Slum Dwellers Welfare.

Informal Sector and planning for informal sector.

Tutorial

Urban Renewal in Historical and Heritage areas; Natural Areas and rural pockets.

Inclusive Planning.

Case Studies of Urban Redevelopment/Urban Renewal - Singapore and Hong Kong etc.

Industrialization and Urban growth and its consequences on Slums.

Environmental Improvement of Slums.

References:

1. Gilbert A and J. Gingle: Cities, Poverty and Development: Urbanization in Third World.(2nd Ed.) Oxford University Press, 1992.

Rehabilitation and Redevelopment and its Case Studies.

Slum Improvement and Clearance Board and its Role in Development of Slum including Case Studies of Slum Improvement and Redevelopment Projects.

Urban Poverty- Identification of Urban Poverty, Basic Services Approach for Identification of Poverty, Social Sector Goals, Urban Poverty Alleviation Programmes Viz. SJSRY and EIU, BSUP(JNNURM), National Urban Livelihood Mission (NULM) and other poverty alleviation programmes government of India and Karnataka State.

Livelihood, self-employment ventures, micro-financing (self-help groups).

Urban Community Development Initiatives, Creation of Community Structures, Community Development Society and its role in Poverty Alleviation , Role of Voluntary Agencies and Institutions in Slum Improvement and Slum Dwellers Welfare.

Informal Sector and planning for informal sector.

Tutorial

Urban Renewal in Historical and Heritage areas; Natural Areas and rural pockets.

Inclusive Planning.

Case Studies of Urban Redevelopment/Urban Renewal in Indian Cities and foreign countries..

Industrialization and Urban growth and its consequences on Slums.

Environmental Improvement of Slums.

Brown Field and Retrofitting under Smart City and HRIDAY scheme

References:

- Gilbert A and J. Gingle: Cities, Poverty and Development: Urbanization in Third World.(2nd Ed.) Oxford University Press, 1992.

<p>2. UNCHS: National Experience with Shelter Delivery for the Poorest Group: UNCHS, Nairobi 1994.</p> <p>3. John Angels e all: Slum Clearance</p> <p>4. Five Year Plan Documents of Governments of India, Ministry of Urban Affairs and Poverty Alleviation.</p> <p>5. Androa D Thomos: Housing and Urban Renewal; George Allen and Unwi Sydney 1986.</p> <p>6. Singh J and Tiwari RK: Managing Poverty Alleviation, IIPA, New Delhi, 1994.</p> <p>7. Misra, GK and M.K. Narayan: Development Programs for Urban Poor, IIPA New Delhi 1995.</p>	<ul style="list-style-type: none"> • UNCHS: National Experience with Shelter Delivery for the Poorest Group: UNCHS, Nairobi 1994. • John Angels e all: Slum Clearance • Five Year Plan Documents of Governments of India, Ministry of Urban Affairs and Poverty Alleviation. • Androa D Thomos: Housing and Urban Renewal; George Allen and Unwin, Sydney 1986. • Singh J and Tiwari RK: Managing Poverty Alleviation, IIPA, New Delhi, 1994. • Misra, GK and M.K. Narayan: Development Programs for Urban Poor, IIPA New Delhi 1995. • Poverty alleviation programmes (website of MOUD) and Urban Development Department(GoK)
<p>MTURP. 3.4.2. REAL ESTATE DEVELOPMENT AND URBAN ECONOMICS.</p>	<p>No Change</p>
<p>MTURP. 3.4.3. PLANNING FOR DISASTER MANAGEMENT</p>	<p>No Change</p>
<p>MTURP. 3.5.1. INTERNSHIP</p>	<p>No change</p>
<p><u>V. PROJECT WORK</u></p> <p>MTURP 3.5. PLANNING STUDIO III: Preparation of District Development Plan (Regional Planning Exercises)</p>	<p>No change</p>
<p><u>IV Semester</u></p>	
<p><u>I. CORE PAPERS</u></p>	
<p>MTURP.4.1. CITY AND METROPOLITAN PLANNING</p> <p>Lecture Urban growth and urbanization- Urbanization in India- past and future</p>	<p>MTURP.4.1. CITY AND METROPOLITAN PLANNING</p> <p>Lecture Urban growth and urbanization- Urbanization in India- past and future trends -</p>

trends - Growth Dynamics of urban centers in India.
Components of National Urbanization Policy and Recommendations of National Commission on Urbanization.

Metropolitan Center; Area and Region- Metropolitanization in India- Physical, economic and demographic characteristics of Metropolitan centers in India. Metropolitan Dominance- Phenomenon of Primate cities- Need for Metropolitan Decentralization- Satellite towns, Ring towns and Counter Magnets

Metropolitan Plan- preparation and implementation- Metropolitan Regional Plan and Structure Plan approach.

Management of metropolitan areas- Metropolitan Governance- Role of Metropolitan Planning Committee. Overlapping jurisdictions in Metropolitan region.

Tutorial

The Draft State Urban Development Policy of Karnataka

Case studies metropolitan centers from India viz. Bangalore, Delhi, Mumbai, Chennai, Kolkata etc.

Role of Special Agencies in Metropolitan Management.

Planning for urban infrastructure in Metropolitan Cities – JNNURM, UIDSSMT schemes.

References:

1. McKenzie: The Metropolitan Community.
2. Hans Blumenfeld: Modern Metropolis, MIT Pennsylvania
3. VLS. Prakash Rao: Structure of Indian Metropolis. ISEC Bangalore.
4. Hall Peter: World Cities; Weidenfeld and Nicholas
5. ITPI New Delhi: Technical Papers of 39th All India T&CP Seminar, 1991.
6. Sivaramakrishan. KC. Metropolitan planning and Management in the Developing world- spatial decentralization policy in Bombay, Cairo and Nairobi. 1993.
7. Devas N. Rakir. C. (Ed); Managing Fast Growing Cities: New Approaches

Growth Dynamics of urban centers in India.

Components of National Urbanization Policy and Recommendations of National Commission on Urbanization.

Metropolitan Center; Area and Region- Metropolitanization in India- Physical, economic and demographic characteristics of Metropolitan centers in India.

Metropolitan Dominance- Phenomenon of Primate cities- Need for Metropolitan Decentralization- Satellite towns, Ring towns and Counter Magnets

Metropolitan Plan- preparation and implementation- Metropolitan Regional Plan and Structure Plan approach.

Management of metropolitan areas- Metropolitan Governance- Role of Metropolitan Planning Committee. Overlapping jurisdictions in Metropolitan region.

Tutorial

The Draft State Urban Development Policy of Karnataka

Case studies metropolitan centers from India viz. Bangalore, Delhi, Mumbai, Chennai, Kolkata etc.

Role of Special Agencies in Metropolitan Management.

Planning for urban infrastructure in Metropolitan Cities under JNNURM, UIDSSMTAMRUT, SMART CITIES, HRIDAY schemes and other Government schemes.

References:

1. [R. D. McKenzie](#) , The Metropolitan Community, Forgotten Books February 26, 2018
2. Hans Blumenfeld: Modern Metropolis, MIT Pennsylvania
3. VLS. Prakash Rao: Structure of Indian Metropolis. ISEC Bangalore.
4. Hall Peter: World Cities; Weidenfeld and Nicholas
5. ITPI New Delhi: Technical Papers of 39th All India T&CP Seminar, 1991.
6. Sivaramakrishan. KC. Metropolitan planning and Management in the Developing world- spatial decentralization policy in Bombay, Cairo

<p>to Urban Planning and Management in the developing world. Longman, London 1993.</p> <p>8. Miles R Smith, Metropolitan Problems, Methuen publication. London 1970</p>	<p>and Nairobi. 1993.</p> <p>7. Devas N. Rakir. C. (Ed); Managing Fast Growing Cities: New Approaches to Urban Planning and Management in the developing world. Longman, London 1993.</p> <p>9. Miles R Smith: Metropolitan Problems, Methuen publication. London 1970.</p>
<p><u>ELECTIVE (DISCIPLINE CENTRIC)</u></p>	<p><u>ELECTIVE (DISCIPLINE CENTRIC)</u></p>
<p>MTURP 4.2.1 URBAN DESIGN AND LANDSCAPE ARCHITECTURE</p>	<p>No change</p>
<p>MTURP.4.2.2. VILLAGE PLANNING AND RURAL DEVELOPMENT</p> <p><u>Lecture</u></p> <p>Nature of rural communities - Structure and forms of rural settlements.</p> <p>National planning and rural development.</p> <p>Rural economy - Planning for rural economic base.</p> <p>Agriculture and other primary sector.</p> <p>Rural Local Governments and rural Institutions in development activities- 73rd Constitution Amendment Act and its impact on rural development</p> <p>Evaluation of rural development programs of central and state governments like MGNREGA, PMGSY, NBA, NRHM, Bharat Nirman etc.</p> <p>Planning for rural infrastructure - Energy, roads, water supply, sanitation and rural services - Agro services.</p> <p><u>Tutorial</u></p> <p>Appropriate Technology for rural development like use of local resources, Rain water Harvesting, water recharge and soil conservation</p>	<p>MTURP.4.2.2. VILLAGE PLANNING AND RURAL DEVELOPMENT</p> <p><u>Lecture</u></p> <p>Nature of rural communities - Structure and forms of rural settlements. National planning and rural development. Rural economy - Planning for rural economic base. Village Industries and village trade and services. Agriculture and other primary sector.</p> <p>Rural Local Governments and rural Institutions in development activities- 73rd Constitution Amendment Act and its impact on rural development</p> <p>Evaluation of rural development programs of central and state governments like MGNREGA, PMGSY, SBA, NRHM, PMAY etc.</p> <p>Planning for rural infrastructure - Energy, roads, water supply, sanitation and rural services - Agro services.</p> <p><u>Tutorials</u></p> <p>Appropriate Technology for rural development like use of local resources, Rain water harvesting, water recharge and soil conservation and waste land development.</p> <p>Monitoring and Evaluation of anti-poverty programmes - Best Practices across the global. Overview of Guidelines for preparation of Gram Panchayat level Development Plans.</p>

<p>and waste land development. Village Industries and village trade and services.</p> <p>References:</p> <ol style="list-style-type: none"> 1. K.V. Sundaram: Rural Area Development, Concept Publishers, New Delhi. 2. IIPA: Rural Administration. 3. Government of Karnataka: Karnataka Panchayat Raj Act. 4. H.A. Hye: Integrated approaches to Rural Development. Sterling Publishers, New Delhi 1986. 5. B.S. Khanna: Rural Development in South Asia. Allied Publishers New Delhi 1991. 6. R.P. Misra (Ed); Rural Development and National policies and Experiences. UNCRD Nagoya 1981. 	<p>References:</p> <ol style="list-style-type: none"> 1. K.V. Sundaram: Rural Area Development, Concept Publishers, New Delhi. 2. IIPA: Rural Administration. 3. Government of Karnataka: Karnataka Panchayat Raj Act. 4. H.A. Hye: Integrated approaches to Rural Development. Sterling Publishers, New Delhi 1986. 5. B.S. Khanna: Rural Development in South Asia. Allied Publishers New Delhi 1991. 6. R.P. Misra (Ed); Rural Development and National policies and Experiences. UNCRD Nagoya 1981.
<p><u>III. PLANNING THESIS</u></p> <p>MTURP 4.3. PLANNING THESIS</p>	<p>No Change</p>

PROPOSED CHANGES IN CREDITS FOR M.TECH IN URBAN AND REGIONAL PLANNING

<u>EXISTING CREDITS IN FOURTH SEMSTER</u>						<u>PROPOSED CREDITS IN FOURTH SEMSTER</u>					
SEMESTER IV						SEMESTER IV					
Paper Code	Title of the Paper	L	T	P	C	Paper Code	Title of the Paper	L	T	P	C
CORE PAPERS						CORE PAPERS					
MTURP.4.1.	City and Metropolitan Planning	3	1	0	4	MTURP.4.1.	City and Metropolitan Planning	3	1	0	4
ELECTIVE (DISCIPLINE CENTRIC)						ELECTIVE (DISCIPLINE CENTRIC)					
MTURP.4.2.	Any ONE of the following:	3	1	0	4	MTURP.4.2.	Any ONE of the following:	3	1	0	4

4.2.1.	Urban Design and Landscape Architecture	3	1	0	4	4.2.1.	Urban Design and Landscape Architecture	3	1	0	4
4.2.2.	Village Planning and Rural Development	3	1	0	4	4.2.2.	Village Planning and Rural Development	3	1	0	4
PLANNING THESIS						PLANNING THESIS					
MTURP.4.3.		0	0	12	12	MTURP.4.3.		0	0	16	16
	Planning Thesis						Planning Thesis				
	Sub Total				20		Sub Total				24

OVERALL CHANGES IN CREDITS TO M.TECH IN URBAN AND REGIONAL PLANNING

Table 1 Semester-wise Number of credits Earned by a Student in M Tech in URP			Table 1 Semester-wise Number of credits Earned by a Student in M. Tech in URP		
Semester	No. of Credits to be earned	Remarks	Semester	No. of Credits to be earned	Remarks
First semester	24		First semester	24	
Second semester	24	After the Completion of Second Semester the students have to undergo internship training during the vacation immediately after the	Second semester	24	After the Completion of Second Semester the students have to undergo internship training during the vacation immediately after the second semester

		second semester	Third semester	26	
Third semester	26		Fourth semester	24	
Fourth semester	20		Total Credits	96	
Total Credits	94				

Chairman, BoS in Urban and Regional Planning