

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI.

SCHEME OF TEACHING AND EXAMINATION OF I SEM M.ARCHITECTURE (Urban Design), CBCS Scheme-2018 [Tentative]

Sl No	Subject Code	Title of Subject	Scheme of Teaching Periods per week (1 Period = 50 Mins.)				Scheme of Examination					Credits
			Lecture	Studio	Practical	Total	Duration (Hrs)	Theory	Prog Marks	Viva Marks	Total	
1	18UDC11	Theory of Urban Form	4	-	-	4	3	100	50	-	150	3
2	18UDC12	Urban Design Principles and Techniques	-	4	-	4	-	-	50	-	50	2
3	18UDS13	City Planning Process in India	4	-	-	4	3	100	50	-	150	3
4	18UDS14	Social Theory and Urban Design	2	-	-	2	3	100	50	-	150	3
5	18UDC15	Urban Design Studio-I	-	15	-	15	30 Min Per Student	-	300	300	600	12
6 (Any one Elective)	18UDE16	Indian Urbanism	2	-	-	2	-	-	50	-	50	2
	18UDE17	GIS	-	-	2	2	-	-	50	-	50	2
		Total	10 or 12	19	0 or 2	31	-	300	550	300	1150	25

Courses:

UDC: Urban Design Core Course

UDS: Urban Design Supporting Course

UDE: Urban Design Elective Course

Minimum Marks for Pass:

Theory: 40%

Progressive Marks: 50%

Viva-Voce: 40%

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI.

SCHEME OF TEACHING AND EXAMINATION OF II SEM M.ARCHITECTURE (Urban Design), CBCS Scheme-2018 [Tentative]

Sl No	Subject Code	Title of Subject	Scheme of Teaching Periods per week (1 Period = 50 Mins.)				Scheme of Examination					Credits
			Lecture	Studio	Practical	Total	Duration (Hrs)	Theory	Prog Marks	Viva Marks	Total	
1	18UDC21	Urban Conservation	4	-	-	4	3	100	50	-	150	3
2	18UDS22	Infrastructure, Traffic and Transportation Planning	4	-	-	4	3	100	50	-	150	3
3	18UDS23	Urban Design Policy and Implementation	3	-	-	3	-	-	50	-	50	2
4	18UDS24	Research Methodology	3	-	-	3	3	100	50	-	150	3
5	18UDC25	Urban Design Studio-II	-	15	-	15	30 Min Per Student	-	300	300	600	11
6 (Any one Elective)	18UDE26	Urban Housing	2	-	-	2	-	-	50	-	50	2
	18UDE27	Public Participation in Governance	2	-	-	2	-	-	50	-	50	2
		Total	16	15		31		300	550	300	1150	24

Courses:

UDC: Urban Design Core Course

UDS: Urban Design Supporting Course

UDE: Urban Design Elective Course.

Minimum Marks for Pass:

Theory: 40%

Progressive Marks: 50%

Viva-Voce: 40%

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI.

SCHEME OF TEACHING AND EXAMINATION OF III SEM M.ARCHITECTURE (Urban Design), CBCS Scheme-2018 [Tentative]

Sl No	Subject Code	Title of Subject	Scheme of Teaching Periods per week (1 Period = 50 Mins.)				Scheme of Examination					Credits
			Lecture	Studio	Practical	Total	Duration (Hrs)	Theory	Prog Marks	Viva Marks	Total	
1	18UDP31**	Professional Training	Eight weeks in an architectural and Urban Design firm				-	-		200	200	4
2	18UDC32	Contemporary Theories of Urbanism and Architecture	4	-	-	4	3	100	50	-	150	3
3	18UDS33	Ecology and Site Planning	4	-	-	4	3	100	50	-	150	3
4	18UDS34	Urban Governance and Project Finance	4	-	-	4	3	100	50	-	150	3
5	18UDC35	Dissertation Seminar	4	-	-	4	-	-	100	-	100	3
6	18UDC36	Urban Design Studio - III	-	15	-	15	30 Min per Student	-	300	300	600	10
		Total	16	15		31		300	550	500	1350	26

Courses:

UDC: Urban Design Core Course

UDS: Urban Design Supporting Course

UDE: Urban Design Elective Course.

Minimum Marks for Pass:

Theory: 40%

Progressive Marks: 50%

Viva-Voce: 40%

**The Professional Training of eight weeks shall be completed before the commencement of regular course work .

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI.

SCHEME OF TEACHING AND EXAMINATION OF IV SEM M.ARCHITECTURE (Urban Design), CBCS Scheme-2018 [Tentative]

Sl No	Subject Code	Title of Subject	Scheme of Teaching Periods per week (1 Period = 50 Mins.)				Scheme of Examination					Credits
			Lecture	Studio	Practical	Total	Duration (Hrs)	Theory	Prog Marks	Viva Marks	Total	
1	18UDC41	Dissertation	-	15**	-	15	45 Min per Student	-	400	500	900	21
2 (Any one Elective)	18UDE42	Urban Economics	4	-	-	4	-	-	100	-	100	4
	18UDE43	Politics of Development	4	-	-	4	-	-	100	-	100	4
		Total	4	15	-	19	-	-	500	500	1000	25

Courses:

UDC: Urban Design Core Course

UDE: Urban Design Elective Course.

Minimum Marks for Pass:

Progressive Marks: 50%

Viva-Voce: 40%

** 15 Periods indicate the contact hours between the students and teachers. Each student is expected to spend another 11 periods per week on the Dissertation in terms of library reference, site visits, designing, drawing, use of computers, etc.

SEMESTER I

Code	18 UDC 11
Subject	Theory of Urban Form
Periods/Week	4 (Lecture)
Exam Marks	100
Progressive Marks	50
Total Marks	150
Credits	3

Objective:

To impart knowledge of urban form and urban spaces in historical and theoretical terms, in a comprehensive manner.

Outline:

1. Introduction to urban design – ideology/theory and the various concerns of the field. Urban Design through history.
2. Introduction and Study - the evolution of city form- morphology (Urban form and Urban Process). Various theoretical views associated with the nature of city form - Normative and positive theories; Cosmic, Machine and Organic Models; Descriptive and functional theories; Alternative theoretical postulations.
3. Study of the evolution of urban form (Western context)
 - a. Chronological – Urban space through history (The Early Cities, Medieval Towns, Renaissance, Form of modern city; early cities of Capitalism, City Beautiful Movement, Modern Movement, cities in the garden, Cities of theory and sweat equity & highway.)
 - b. City as patterns; diagrams; spaces and ideas (organic; grid; political-functional-secularist-socialist diagrams; grand manner; skyline; city edge; urban division; public spaces- various typologies including street and parks; Islamic cities in the Middle East)
 - c. Comparison between the various perspectives of studying and analyzing urban form- space; conservation and the life of urban form.
4. Understanding Urban Process (rise and fall of cities; disaster; destruction; Haussmanization; incremental changes; urban renewal)
5. Modern and post-modern urbanist theories (Utopia; Lynch's ideas of good city form; Imageability and Memory, public and private domains; Suburbs and periphery; Privacy, Territoriality and Proxemic theory; Defensible spaces; ideas of community through design; treatment of urban space; future of the city)

References:

- 1) Spiro Kostof , The City Assembled , Thames and Hudson, London 2005.
- 2) Spiro Kostof , The City Shaped, Bulfinch Press, Boston 1993.
- 3) Jon Lang , Urban Design:- A Typology of procedures and Products, Architectural Press, 2005
- 4) Kevin Lynch , Good City Form, MIT Press, London, 1959.
- 5) Edmund Bacon, Design of Cities, Thames and Hudson, London 1967

Code	18 UDC 12
Subject	Urban Design Principles and Techniques
Periods/Week	4 (Studio)
Exam Marks	-
Progressive Marks	50
Total Marks	50
Credits	2

Objective:

The primary objective of the course is to introduce students to the methods of reading and understanding the physical fabric of a city.

Outline:

1. Definition and scope of urban design. Introduction to the process and profession of Urban Design, differences and similarities between urban planning and urban design.
2. Fundamental hypothesis: the study of building typology in relation to the city , Concepts of Aldo Rossi.
3. The street, Square, façade & typologies of sections and elevations, the works of Rob Krier .
4. City as a visual matter, philosophy of perception, comprehension of the environment through visual examination, Serial vision, place, content, etc based on the concepts of Gordon Cullen. Perception of movement and clarity/ legibility in the cityscapes, Concepts of Kevin Lynch.
5. Pattern language of Christopher Alexander, City seen as a complex
6. Lattice and the underlying principles expressed in an abstract pattern.
7. Edmund Bacon's work on city design based on the movement system .
8. "Learning from Las Vegas" tools developed for analyzing the traditional urban spaces in a new kind of space.

References:

- 1) Spiro Kostof , The City Assembled , Thames and Hudson, London 2005.
- 2) Spiro Kostof , The City Shaped, Bulfinch Press, Boston 1993.
- 3) Edmund Bacon, Design of Cities, Thames and Hudson, London 1967
- 4) Gordon Cullen, The Concise Townscape, Van Nostrand, Reinhold Co, 1961.

Code	18 UDS 13
Subject	City Planning Process in India
Periods/Week	4 (Lecture)
Exam Marks	100
Progressive Marks	50
Total Marks	150
Credits	3

Objectives:

- 1) To expose students to the process of city planning in India.
- 2) To look at the development control regime used to monitor, aid, manage and design the growth and changes occurring in cities.
- 3) To undertake a critical review of the planning process and development controls in the Indian context.

Outline:

1. Concepts and frame work of Master Plans, Comprehensive Development Plans, Structure Plans and Perspective Plans.
2. The concept of planning legislation in India; review of legislation related to city planning and local Town Planning Acts.
3. Plan making process; delineation of planning area; development of visions and policies, assessment of developmental issues for various sectors such as land use, transportation, environment, urban poor, and urban design among others; projection of requirements, developmental proposals; and delineation of zones.
4. Land use zones; sub classification, permissible activities, and prohibited activities; appeals, appellant authority and unauthorized developments.
5. Development control tools; TP Schemes and their validity; identification of urban renewal areas; urban renewal process and management; conservation and redevelopment; incentive zoning, TDR and Floating FSI.
6. Resource mobilization; plan monitoring and review; public participation; implementation mechanisms; and zonal level plans.
7. Critical review of the planning process in India.

References:

1. UDPFI Guidelines, Institute of Town Planners, India, Ministry of Urban Affairs and Employment. Government of India, New Delhi
2. The Karnataka Government Town and Country Planning Act.
3. The Constitution (74th Amendment) Act, 1992.
4. Bureau of Indian Standards. *National Building Code*, 2010.
5. Master Plans of Bangalore, New Delhi, Mumbai and other metropolitan Indian cities.
6. Taylor, John L and Williams, David G. *Urban Planning Practice in Developing Countries*, Pergamon Press, Oxford, 1982.

Code	18 UDS14
Subject	Social Theory and Urban Design
Periods/Week	4 (Lecture)
Exam Marks	100
Progressive Marks	50
Total Marks	150
Credits	3

Objective: To introduce the students to conceptual and theoretical perspectives of urban social theory.

Outline:

1. Introduction to Classical Theoretical Perspectives:

Karl Marx, Friedrich Engels, Ferdinand Tonnies: Community and Association, Emile Durkheim: Social solidarity, Georg Simmel: urban experience, Social distance, Philosophy of Money Max Weber: social structure of city and urban community

2. Contemporary Theoretical Perspectives

Robert Park: Human Ecology, Symbiotic versus societal organization, Dynamics and processes of human community: population, material culture (technological development), nonmaterial culture(customs and beliefs), natural resources of the habitat, The societal pyramid, Differences between ecology and human ecology

Louis Wirth: urban theory on urbanism as a function of population density, size and heterogeneity;

Ernest Burgess: Concentric Zone Theory, Homer Hoyt: Sector Theory, Harris and Ullman: Multiple Nuclei Theory

Political Economy: political and economic forces in a society with reference to works of Henri Lefebvre, David Gordon, Michael Storper and David Walker, Manuel Castells, David Harvey, Allen Scott and the ideology of Growth Machine

References:

1. Harvey, David, Spaces of Capital :Towards a Critical Geography , Wiley Blackwell, Hoboken, 2007.
2. Lin and Mele (Eds.), The Urban Sociology Reader, Routledge, 2012

Code	18 UDC15
Subject	Urban Design Studio- I
Periods/Week	15 (Studio)
Viva Marks	300
Progressive Marks	300
Total Marks	600
Credits	12

Goal and Objective:

- 1) The goal of this studio shall be to make students understand that urban design at its core is a connective discipline.
- 2) The objective shall be to understand, organize and synthesize in visual, tactile and measurable ways, sustained improvements in the places that make up our urban living environment.

Outline:

The studio will incorporate interdisciplinary principles, processes and interactions that are fundamental to Urban Design. The studio tasks will include the following;

1. Documenting, analyzing and understanding textures and places that make an urban area.
2. Understanding the nature of interrelation between non formal and formal issues connected with intervention into urban fabric
3. To identify and learn basic urban design tools
4. To implement the same in a project of either single use or multiuse built structure.

Project I will consist of documenting , analyzing and evolving proposals for urban components like streets, public open spaces, public gathering places, precincts of historically important buildings in the city. The focus will be on understanding the concepts of “Fabric, Texture and Weave”.

Project II will focus on the goals and objectives of “intervention to improve”. The project will identify a specific area in an identified city to understand the process of documenting the true picture of the area and creating scenarios which will clearly demonstrate the needs of intervention to improve. The project will end with the design of multi or single use built forms.

Reference:-

- 1) Sendich, Emina, Planning and Urban Design Standards, American Planning Association, John Wiley and Sons Inc, New Jersey, 2006.

Code	18 UDE16
Subject(Elective)	Indian Urbanism
Periods/Week	2 (Lecture)
Viva Marks	-
Progressive Marks	50
Total Marks	50
Credits	2

Objective: To develop an understanding of the key issues of urbanism in India, its dilemmas, ideologies and the new patterns it has taken with neo-liberalism.

Outline: The course covers issues of Indian urbanism related to polity and colonial legacy, ideology of tenure and exchange, environment and water, daily life and informal sector, gender, art and media in the city. The course would be conducted through readings, discussions and invited lectures covering case studies and published research works.

References:

1. K. Sivaramakrishnan and Arun Agrawal (Edit), Regional Modernities: The Cultural Politics of Development in India, Stanford University Press, 2003
2. Kenneth R Hall (Edit), Structure and Society in early South India, Oxford University Press, 2004
3. Malcolm Miles and Tim Hall (Eds), The City Cultures Reader, Routledge Taylor & Francis Group, 2004
4. Partha Chatterjee, The Politics of the Governed, New York: Columbia University Press, 2004.

Code	18 UDE17
Subject (Elective)	GIS
Periods/Week	2 (Practical in Lab)
Viva Marks	-
Progressive Marks	50
Total Marks	50
Credits	2

Objectives: 1) To understand GIS as a decision-support tool in urban spatial planning process. 2) To introduce basic, practical GIS concepts, techniques and real world applications in spatial planning.

Outline:

1. Introduction to GIS and its application in Urban spatial planning,
2. Map and Map Analysis,
3. Raster/Vector GIS models,
4. General Coordinate Systems,
5. Map Projections and Transformation,
6. Geo referencing,
7. Spatial Database Development and analysis,
8. Introduction to GIS Software (Arc/Info, ArcView, IDRISI, GRASS, etc),
9. Application of GIS in Urban spatial planning.

The course would be conducted through classroom lecture and hands on lab exercises. Students will complete lab exercises using ArcExplorer software.

References:

1. Reference manuals/ guides to Geodatabase Design and GIS Analysis
2. Various handouts and supplements supplied by the instructors.

Semester II

Code	18 UDC 21
Subject	Urban Conservation
Periods/Week	4 (Lecture)
Exam Marks	100
Progressive Marks	50
Total Marks	150
Credits	3

Objective:

To introduce students to the various issues of urban conservation in terms of feasibility, community participation and heritage charters.

Outline:

1. Introduction to conservation of historic and inner city areas. Concepts of conservation in India and other countries.
2. Socio-Economic development, tourism infrastructure development, and role of urban development.
3. Institutional aspects of conservation- Charters, World heritage legislation and sites, Conservation Acts and legislation and available institutional frame work of conservation in India.
4. Conservation area practice, adaptive reuse, up gradation programs in old areas, infill design and regeneration of inner city areas.
5. Conservation management, community participation, economic regeneration, financing and implementation of frame work for redevelopment and revitalization projects.
6. Case studies in India and abroad to illustrate the above mentioned concepts and approaches.

References:

1. Feildan Bernard, Conservation of Historic Buildings, Routledge, Abingdon, 2003.
2. Fitch James, Historic Preservation: Curatorial Management of the Built World, University of Virginia Press, 1990.

Code	18 UDS22
Subject	Infrastructure, Traffic and Transportation Planning
Periods/Week	4 (Lecture)
Exam Marks	100
Progressive Marks	50
Total Marks	150
Credits	3

Objectives:

- 1) To introduce the infrastructure needs of an urban environment and fundamental concepts which cater to such needs.
- 2) To introduce the issues related to traffic and transportation in cities.
- 3) To provide an overview of the transportation planning process.

Outline:

1. Concepts of urban infrastructure, social and physical infrastructure.
2. Urban Form, Size and implications on services. Layout of urban area, siting of services and land use and efficiency. Basics of service network. - Water supply, sewerage/drainage and waste management.
3. Urban Social infrastructure; qualitative and quantitative techniques of assessing requirements, planning amenities and institutions.
4. Financing of infrastructure needs of city; national and international agencies involved in infrastructure provisions.
5. Introduction: Scope of urban transport planning, interdependency of land use and traffic system, traffic system approach to urban transportation.
6. Stages in Urban Transportation: Trip generation, trip production, trip distribution, modal split and trip assignment.
7. Urban Transportation surveys: Definition of study area, zoning, types of surveys, Forecasting traffic in relation to planned land use. Principles of planning and design of road network and engineering classification of roads, intersections and elevated roads.
8. Land Use Transport models: Lowry model, Garin-Lowry Model, applications in India.
9. Public Transportation modes: Systems in India, problems and prospects, present practices in urban transportation. Metro, mono, and high capacity buses. System selection.
10. Intersection Design: Elements of intersection maneuver area, types of intersections, flyover, grade separators, subways, underpass, and suitability of each type. Rotary and its design, Roundabouts

References:

1. Kadiyali L.R, Traffic Engineering and Transport Planning, Khanna Publications, Delhi, 2016.
2. Dimitriou H.T, Urban Transport Planning and Developmental Approach, Routledge, London, 1983.
3. Michael J Bruton, Introduction to Transportation Planning, Hutchinson, London, 1985.
4. Black John, Urban Transport Planning and Design, Crown Helm Ltd, London.

Code	18 UDS 23
Subject	Urban Design Policy and Implementation
Periods/Week	3 (Lecture)
Exam Marks	-
Progressive Marks	50
Total Marks	50
Credits	2

Objective:

To highlight the importance of integrating the urban design agenda into the city planning process.

Outline:

1. Role of urban design in city planning; historical overview and case examples of policy; visioning process; urban design plans, policies and developmental strategies.
2. Case studies of impact of development controls and zoning; analysis of urban design issues; current innovations in development regulations; alternative types of zoning.
3. Implementation of urban design plans, policies and concepts – tools and methods; local-level plans; design guidelines; design review and concept of design review boards.
4. Role of Government, private parties and other stakeholders; participatory design.

References:

1. Bureau of Indian Standards. *National Building Code*, 2010.
2. Master Plans of Bangalore, New Delhi, Mumbai and other metropolitan Indian cities.
3. Jacob, Alan. *Making City Planning Work*, American Planning Association, 1980. ISBN: 978-0918286123
4. Barnett, Jonathan. *Introduction to Urban Design*, Icon (Harpe); 1st edition, 1982. ISBN: 978-0064303767.
5. Barnett, Jonathan. *Urban Design as Public Policy*, McGraw-Hill Inc.,US, 1974. ISBN: 978-0070037663.
6. Hall, Tony. *Turning a Town Around: A Proactive Approach to Urban Design*. Oxford, United Kingdom: Blackwell Publishing, 2008. ISBN: 978-1405170239.
7. Steve Tiesdell, David Adams. *Urban Design in the Real Estate Development Process*. Wiley-Blackwell, 2011. ISBN: 978-1405192194
8. Lang, Jon. *Urban Design: A Typology of Procedures and Products*. Oxford, United Kingdom: Architectural Press, 2005. ISBN: 978-0750666282.
9. Gerald E. Frug. *City Making: Building Communities without Building Walls*. Princeton University Press, 1999. ISBN: 978-0691007410.

Code	18 UDS 24
Subject	Research Methodology
Periods/Week	3 (Lecture)
Exam Marks	100
Progressive Marks	50
Total Marks	150
Credits	3

Objective:

To introduce students to the scientific and quasi scientific approach to research design within the social sciences frame work.

Outline:

1. Science and common sense. Four methods of knowing, science and its functions. Scientific explanation and theory, scientific research- a definition. Problems and Hypotheses, problems, values and definitions. Generality and specificity of problems and hypotheses.
2. Conceptual foundations of research design, purpose of research design, research design as variance control. Maximization of experimental variance. Concepts, constructs and variables. Types of variables.
3. Survey research: Types of surveys, methodology of survey research. Definitions of reliability, theory of reliability. Types of validity. Variance definitions of validity. Interview schedule, examples of interview as a research tool. Sampling, random sampling and representativeness. Randomization, sample size and kinds of samples.
4. Definition and purpose of statistics. The law of average numbers, binomial statistics and variance. Standard deviation, interpretation of data using normal probability curve. Mean, differences, correlation coefficients. Hypothesis testing. Uni-variate, Bi-variate and multi variate analysis of data. Simple regression analysis.

References:

1. Ranjit Kumar, Research Methodology- A step by step guide for Beginners. Sage Publications, New Delhi.
2. Fred N. Kerlinger, Foundations of Behavioural Research, Holt, Rinehart and Winston Inc, New York.

Code	18 UDC25
Subject	Urban Design Studio-II
Periods/Week	15 (Studio)
Viva Marks	300
Progressive Marks	300
Total Marks	600
Credits	11

Goal and Objectives:

The overall goal of this studio shall be to incorporate and test ideas inculcated in the parallel streams of theories and principles.

Objectives:

1. To identify and categorize various non formal issues which are relevant in the process of designing an urban environment
2. To understand the process of making a physical planning proposal viable with available techniques of financing and feasibility
3. To understand the role of various interest groups in the realization of urban design scheme

Outline:

1. The studio shall begin with documenting implemented urban design as a case in understanding the process followed in each of the schemes. Documentation shall be an intensive exercise with teams of two who will identify the project (across India) and illustrate the entire process of design as well review the present status of the project and realization of stated objectives.
2. The main studio project shall be chosen within an area of a city which is undergoing rapid changes triggered by an identifiable event or policy. The studio shall debate the needs of conserving the overall character of the chosen area with an in depth analysis of the socio- cultural issues. Design of the proposed built element shall be preceded by a comprehensive urban design scheme which shall be detailed.
3. Projects like; tourism development; conservation of natural and built heritage; intervention in an urban area which has not been able to maintain its cultural moorings due to market forces shall be attempted.

Reference:-

- 1) Sendich, Emina, Planning and Urban Design Standards, American Planning Association, John Wiley and Sons Inc, New Jersey, 2006.

Code	18 UDE 26
Subject	Urban Housing
Periods/Week	2 (Lecture)
Exam Marks	-
Progressive Marks	50
Total Marks	50
Credits	2

Objective:

To serve as an introduction to the policies, market, finance and delivery of housing to various segments of urban population.

Outline:

1. Evolution of housing policies in India, introduction to housing need; demand and supply process; estimation of housing need and demand; review of housing policies in various planning periods in India; Basic concepts in understanding housing markets; market price and valuation; policies which affect the housing market; review of existing framework of housing finance and institution of housing finance.
2. Concepts of housing layouts; issues of density, open spaces, community spaces and accessible open areas. House types and their implication to layout. Technology and delivery of housing; private and public role in housing market. Low income and marginal income housing schemes and institutions involved in the production. Design guidelines for marginal housing schemes for varied socio economic groups.

References:

1. Kavita Datta and G.A.Jones, Housing Finance in developing countries, Routledge, London.
2. Cedric Pugh, Housing and Urbanization, Sage Publications, New Delhi.

Code	18 UDE 27
Subject	Public Participation in Governance
Periods/Week	2 (Lecture)
Exam Marks	-
Progressive Marks	50
Total Marks	50
Credits	2

Objective: To introduce the concept of people's participation in urban design project.

Outline:

1. Concept and importance of people's participation/planning, types and relevance, existing system and scope
2. Identification of stake holders, issues and interactions, institutionalization of people's participation.
3. Individual/NGO/CBO efforts in people's planning with examples, national and international.
4. Role of urban designer in the process of people's participation in urban design project, with examples.

Reference:

- 1) Report-seminar on good urban governance New Delhi 2001-2002, Nagarapalika journal, reports. etc

Semester III

Code	18 UDP 31
Subject	Professional Training
Periods/Week	Eight weeks
Viva Marks	200
Progressive Marks	-
Total Marks	200
Credits	4

Objective:

To serve as an introduction to the various dimensions of professional practice in an Architectural and Urban Design firm.

Outline:

1. The student is expected to work in an architectural and urban design firm handling the following types of projects; a) large scale architectural projects like college/university campus, industrial units, commercial complexes, housing complexes, entertainment complexes etc. involving a number of related buildings, site planning and landscaping, b) architectural projects with focus on heritage conservation in an urban area, c) urban infill projects and d) revitalization projects of decaying parts of the city.
2. The student is expected to familiarize himself/herself with the following; a) administration of office, b) soliciting and obtaining projects, c) client meetings, d) site visits, e) drawings and detailing and f) design process and presentation. For the viva examination, the following items need to be presented a) statement indicating the various types of works done by the student, b) drawings related to projects with which the student was associated c) photographs of project sites and d) any other material in support of student's involvement in the work.
3. The eight weeks (56 days) should immediately precede the commencement of regular course work of third semester.

Code	18 UDC32
Subject	Contemporary Theories of Urbanism and Architecture
Periods/Week	4 (Lecture)
Exam Marks	100
Progressive Marks	50
Total Marks	150
Credits	3

Objective:

To expose the students to the current theoretical trends in architecture and urbanism, with focus on Western architecture but with cross reference to Contemporary Indian trends.

Outline:

1. Post Modernism and post functionalism. Post script to the modern movement. Semiotics and structuralism. Post structuralism and Deconstruction .
2. Urban theory after Modernism, Contextualism, Main street and beyond. Collage city and towards the contemporary city.
3. School of Venice, territory and architecture, an analogical architecture. Political and ethical agenda, the ethical function of architecture.
4. Phenomenology and meaning of place, Heidegger's thinking on architecture, a look at the phenomenology of architecture.
5. Critical regionalism, local culture and universal civilization. Tectonic expression. Brief review of the issues of Gender in architecture.

Reference:

1. Kate Nesbit, Theorizing a new agenda for architecture, Princeton Architectural Press, 1996.
2. Michael Hayes, Architecture Theory since 1968, MIT Press, London.
3. Kevin Lynch, Good City Form, MIT Press, London.
4. Bernd Evers, Architectural Theory From Renaissance to the Present, Taschen, Cologne, 2002.

Code	18 UDS 33
Subject	Ecology and Site Planning
Periods/Week	4 (Lecture)
Exam Marks	100
Progressive Marks	50
Total Marks	150
Credits	3

Objective:

To introduce students to the art of site planning and the concerns of environmental variables in the process of urban design.

Outline:

1. Introduction to site analysis with emphasis on study of natural and manmade features of the site.
2. Site Planning: Site, User, Programme and Design. Sensed landscape and its materials, access, earth work and utilities. Field surveys, reading aerial survey, climatic variables. Site Planning strategies and case studies.
3. Landscape design concepts and design of open and public spaces, recreation areas, road side landscapes.
4. Ecology: Basic concepts of ecology, components of environmental planning, use and management of resources; environmental concerns related to development; environmental degradation; pollution control and evaluation of energy resources.
5. Introduction to environmental planning concepts, spatial environmental planning. Eco-system and components of ecosystem structure; principles of ecology; physical science; earth science; man-environment interface towards sustainable development.

References:

1. Kevin Lynch, Good City Form, MIT Press, Cambridge
2. Kevin Lynch and Gary Hack, Site Planning, MIT Press, Cambridge.
3. Peter Jacobs and Douglas Way, Visual Analysis of Landscape Development, Harvard Press.
4. Gary.O.Robinette (Ed), Landscape Planning and Energy Conservation. Van-
Nostrand Reinhold.

Code	18 UDS 34
Subject	Urban Governance and Project Finance
Periods/Week	4 (Lecture)
Exam Marks	100
Progressive Marks	50
Total Marks	150
Credits	3

Objective:

Introduction to the mechanism of governance and fiscal foundations of urban development.

Outline:

1. Basic concepts of urban governance and definitions. Principles of governance of urban areas. Local administration, Central and State system of local administration. Structure of local bodies and their role in urban governance, plan making and implementation. Recent amendments to constitution and their implication on governance. Concepts of capacity building and related issues of development of man power.
2. People's participation- theories, concepts and methods. Participatory governance-meaning, processes and methods. Role of people's participation in plan making. People, NGO and civil society and urban development.
3. The economics of geographical concentration -urbanization, history of urbanization, agglomeration economics, and simple theory of inter urban location, location decision of household
4. Finance mechanisms of local administration. Various forms of revenue generation and budgeting. Innovations in methods of revenue generation.
5. Types of urban projects, project cycle, identification, selection, preparation, appraisal, monitoring and evaluation.

References:

1. Maria Pinto, Metropolitan City Governance in India, Sage Publications, New Delhi.
2. John Abbott, Sharing the City: Community participation in urban Management, Routledge, Abingdon, 1996.
3. Jain R.B. Public Administration in India, 21st Century challenges for Good Governance. Deep and Deep Publications Pvt. Ltd, New Delhi.
4. Michael Bamarger and Eleanor Hewitt, Monitoring and Evaluating Urban development Programmes: A hand book for program managers. The World Bank, 1988

Code	18 UDC 35
Subject	Dissertation Seminar
Periods/Week	4 (Lecture)
Exam Marks	-
Progressive Marks	100
Total Marks	100
Credits	3

Objective:

To serve as a forum to discover, frame and develop dissertation proposal.

Outline:

1. It is intended to help students to arrive at a conceptual frame work for the dissertation in the IV semester.
2. The final product of the course shall be a proposal which will describe in detail the dissertation framework including literature review, objectives, and methodology.
3. The course shall be run on a seminar format with presentation from students on issues related to their choice of dissertation topic.

Code	18 UDC36
Subject	Urban Design Studio-III
Periods/Week	15 (Studio)
Viva Marks	300
Progressive Marks	300
Total Marks	600
Credits	10

Goal and Objectives:

- 1) The primary goal of the studio shall be to look at “urban design proposal” as a catalytic force in ensuring future growth with “design” content, yet feasible within the existing policy, economic and political frame work.
- 2) The objectives of the studio are; a) To understand and evolve policy level guidelines which ensure an imagined future physical scenario, b) To understand the process of evolving urban design guidelines c) To illustrate such guidelines with a multiuse facility.

Outline:

1. The chosen project shall be in an area of high potential in an identified urban environment. Project proposals shall be divided into two phases in which a policy and guideline evolution shall precede the actual design project. The project would involve a) identification of various stake holders and their role in policy level guidelines, and b) working and illustrating the economic feasibility and infrastructure development needed for implementation of proposal.
2. The project shall end in a detailed design of a group of buildings or (depending on the scale) an architectural project which illustrates the process of urban design as a necessary and inevitable need for architectural projects.

Reference:-

- 1) Sendich, Emina, Planning and Urban Design Standards, American Planning Association, John Wiley and Sons Inc, New Jersey, 2006.

Semester IV

Code	18 UDC41
Subject	Dissertation
Periods/Week	15* (Studio)
Viva Marks	500
Progressive Marks	400
Total Marks	900
Credits	21

Objectives:

1. To demonstrate the ability to comprehend the nature of urban design problem and create a brief which sets the frame work for design.
2. To demonstrate an advanced level of design ability to convert the brief set forth into a speculative proposition of design.
3. To articulate and delineate the proposition of design into an urban design solution addressing all the dimensions.
4. Alternatively, the dissertation could be a research topic based on the accepted norms of scientific research methods

Outline:

1. The dissertation can either be a scholarly research on an issue (or set of issues) which has a bearing on urban development or a project with a clearly demonstrated design development process. The project shall demonstrate competence in integrating various issues of social, formal and urbanistic concerns into the design. An ideal project shall be one in which there is an informed critique on the conventional or prevalent models of creating urban design, leading to a simple question and an answer which shall be through the demonstration of an alternative proposition.
2. In the case of purely written dissertation which ends with policy or design guidelines, research design shall be as per the accepted norms of scientific research methods. Documentation or merely describing existing situation shall not be considered as dissertation.

* 15 Periods indicate the contact hours between the students and teachers. Each student is expected to spend another 11 periods per week on the Dissertation in terms of library reference, site visits, designing, drawing, use of computers etc.

Code	18 UDE42
Subject	Urban Economics
Periods/Week	4 (Lecture)
Viva Marks	-
Progressive Marks	100
Total Marks	100
Credits	4

Objective: To introduce the theoretical frame work for understanding of the spatial structure of cities and nature of urban economy.

Outline:

1. Introduction to the economics of geographical concentration, urbanization, history of urbanization, agglomeration economics, and simple theory of inter urban location, location decision of household
2. Land Use and Location Theory
3. The Contemporary City and Suburbanization/Sprawl
4. The Economics of Zoning
5. Housing, Segregation, Crime, and Poverty
6. Local Government

Reference:

1. O'Sullivan, Arthur, *Urban Economics* (Fifth Edition). Boston: Irwin/McGraw Hill, 1990, 2003.

Code	18 UDE43
Subject	Politics of Development
Periods/Week	4 (Lecture)
Viva Marks	-
Progressive Marks	100
Total Marks	100
Credits	4

Objective: To critically discuss the political motives which drive Urban development and the distribution of resources in the city.

Outline: The course explores the impact of political motives, pressures and policies on the social and morphological dimension of the city. The discussions would be explored through case studies. The discourse would initiate discussions on various cases of public and private developments, design commissions and city planning processes in India, predominantly driven by political decisions.

References:

1. Elizabeth Strom and John Mollenkopf (Eds), The Urban Politics Reader, Routledge Taylor & Francis Group, 2004
2. Partha Chatterjee, The Politics of the Governed, New York: Columbia University Press, 2004.
3. Nandan Nilekeni: Imagining India, Penguin Press, 2009.
4. Champakalakshmi R, Trade Ideology and Urbanisation in India, Oxford University Press, New Delhi, 1999

