

Urban Fellow - Syllabus

1. **Urbanisation:** Global, national, regional and state level patterns of urbanisation, demographic changes, challenges and opportunities of urbanisation, urban-rural linkages, Census definition of urban areas, Urban Agglomerations, Census Towns and Outgrowths.
2. **Urban Governance:** Urban Policies, Acts and Rules, 74th Constitutional Amendment Act, major international and national institutions in the urban sector, HABITAT-III, New Urban Agenda, National Urban Commission, Kerala Urban Policy Commission, urban sector Missions, JNNURM, AMRUT Mission, Smart Cities Mission, PMAY, NULM (Urban), SBM (Urban), Rurban Mission, LIFE Mission.
3. **Urban and Regional Planning:** History and theory of urban planning, urban land governance, spatial planning and local democracy, Master Plans, metropolitan planning concepts, compact city, ToD, TDR, sponge city, satellite towns, 15-minute city, child-friendly cities, age-friendly cities, UNESCO Creative Cities
4. **Climate Change and Cities:** Climate change and urbanisation, UNFCCC, major recent international, national and state level extreme climatic events, 100 Resilient Cities Initiative, climate resilience as a governance paradigm, challenges and state level policy priorities, Kerala State Action Plan on Climate Change, Local Action Plan on Climate Change, Local Disaster Management Plans, Risk-informed Master Plans, Disaster Management and Climate Action Tracking Tool (D-CAT).
5. **Inclusive and Equitable Cities:** Cities as clusters of human capital, building social capital, Key debates on inclusive growth and inclusive cities, planning and policy making for inclusive cities, challenges of informality, exclusion and deprivation, risks and costs of exclusion, social justice, environmental and spatial justice, Right to the city, shared prosperity, ethics, morality and inclusion, inclusion policies as global social policies, Income inequality, Universal Basic Income, issues and challenges of socio-cultural inclusion, gender inequality, differently-abled, loneliness and dementia affected, causes of gentrification.
6. **Urban Housing:** Housing typologies and characteristics in Kerala, types and characteristics of informal settlements, slums, housing needs, housing as an industry, access to electricity, water supply, sanitation, solid waste disposal, transport, social infrastructure- health, education and cultural facilities, economic upliftment, resource mobilisation; maintenance and management of community assets, housing norms and standards, participatory models and their applications in housing, housing finance networks and institutions, community micro-finance institutions, use of materials and energy, rating systems such as GRIHA, LEED, BREEEAM, governance of real estate sector in India and Kerala, K-RERA, Kerala State Housing Policy 2011.
7. **Cities and Technology:** City as a platform, urban complexities, role of technologies in understanding, planning and governing cities, Techno-urbanism, information urbanism, innovation ecosystems in cities, Planning for smart cities, intelligent cities, cognitive cities. Fourth Industrial Revolution (FIR) - Preparing for the fourth industrial revolution, policy shifts in developed world, informationalisation of society - data driven governance, digital urbanism, cashless cities, Artificial Intelligence, future directions-driverless cars, drones, robotics, urban air mobility, Hyperloops.