

# Space is the Machine: Space Syntax Methodology

---

## Overview

Quality of built environment to support existing and emerging activities is key for achieving vibrant urban space and a livable city and for attracting investments. Design of a city and the extent of activities supported by is also a factor contributing to cultural identity. With continuous urbanization, existing cities are changing rapidly to cater to the spatial demand. Existing cities are growing and newer cities are being built. In India's context we need to develop and maintain our urban areas in a sustainable manner as well as to provide a competitive edge. Scientific and quantitative evaluation of urban areas in their capacity to support human activities is necessary to develop and maintain urban areas in a holistic manner to ensure economic competitiveness and social sustainability.

The course will be organized through lectures that will cover fundamentals of urban design concepts, city forms and functions, policies adopted in different countries for planning and management of urban areas with case studies, understanding of space syntax, network of spaces and patterns. The topics will provide exposure to the application of quantitative methods and tools in analysis of city structure, human behavior, and social interaction. The course shall enhance the participant's capacity in evaluation of city plans, identification of development guidelines and planning policies for strategic control and management of urban areas for economic and social viability.

<b>Modules</b>	<b>Space is the Machine- Space Syntax Methodology: November 12 – November 16, 2018</b> <b>Number of participants for the course will be limited to thirty.</b>
<b>You Should Attend If...</b>	<ul style="list-style-type: none"> <li>You are an architect/ urban designer/urban planner/ urban geographer/ civil engineer interested in planning and management of urban areas.</li> <li>You are an administrator or entrepreneur interested to learn about planning and management of urban areas.</li> <li>You are a student or faculty from an academic institution pursuing research related to urban planning/City Planning/Urban Design/Architecture.</li> </ul>
<b>Fees</b>	<p>The participation fees for taking the course is as follows:</p> <p><b>Participants from abroad: US \$ 200</b>  <b>Industry/ Research Organizations: ₹ 10,000</b>  <b>Faculty Members/Researchers from Academic Institutions: ₹ 7,500</b>  <b>Students from Academic Institutions: ₹ 1,000</b>          (Student registration refundable subject to participation)</p> <p>The above fee include all instructional materials, computer use for tutorials and assignments, laboratory equipment usage charges, 24 hr free internet facility. The participants will be provided with accommodation on payment basis.</p>

## The Faculty



**Dr. Anirban Adhya** is an Associate Professor of Architecture and Urban Design at the College of Architecture and Design, Lawrence Technological University (Michigan, U.S.A). He is a founding member of the SYNCH Research Group (synchRG), a systems-based critical research think tank. Prof. Adhya is also an active proponent of the Detroit Studio, a community oriented urban outreach program of the Lawrence Tech in the Detroit metropolitan region. His research interests include everyday urbanism and architecture, planning and development in India and Asia, theories of place and placemaking, and critical interdisciplinary approaches to questions of public realm and mixed-methods. Dr. Adhya has teaching, research and professional experience in architecture and urbanism, regional urban design and planning. Dr. Adhya received the 2005 national APA outstanding plan award for the Queen City Hub: Regional Action Plan for Downtown Buffalo for his work as an urban design associate. He has numerous publications on public realm and strategic regionalism.



**Dr. Arkopal K. Goswami** is an Assistant Professor at the Ranbir and Chitra Gupta School of Infrastructure Design and Management, IIT Kharagpur. He has research experience in the field of Multimodal Transportation Planning, Transportation Asset Management, Transportation Infrastructure Forecasting. He is involved in teaching, research and consultancy in the field of Transportation Planning and Management, Performance Management, Road Infrastructure. He is working on projects as varied as smart and integrated pedestrian system design, Pedestrian Master plan for Varanasi, Performance based asset management model for forecasting roadway infrastructure preservation needs and Development of Index and Measurement of Happiness at New Town, Kolkata



**Dr. Ankhi Banerjee** is an Assistant Professor at the Ranbir and Chitra Gupta School of Infrastructure Design and Management, IIT Kharagpur. She has research experience in the field of Affordability and Livability assessment, Residential Location choice, Urban Planning, Sustainable Community Planning. She is involved in teaching and research in Facility Planning, Urban Design, Social Infrastructure Planning, Infrastructure Regulatory Issues. She is working on projects such as Urban Creative Cluster Augmentation, Pattern identification and Placemaking in Augmentation of Heriatge Trail, Pedestrian Master Plan for Varanasi and Development of Index and Measurement of Happiness at New Town, Kolkata.

## Course Co-ordinator

Prof. Ankhi Banerjee  
Ranbir and Chitra Gupta School of  
Infrastrucure Design & Mngement  
Twin Science Block  
IIT-Kharagpur  
Pin: 721302  
Phone: 03222-284942  
E-mail: [ankhi@iitkgp.ac.in](mailto:ankhi@iitkgp.ac.in)

.....  
<http://www.gian.iitkgp.ac.in/GREGN>