



School Of Planning and Architecture, New Delhi

(An Institution Of National Importance under an Act of
Parliament, Ministry of Education, Government of India)



Faculty and Professional Development Programme (FPDP)

(2 0 2 4 - 2 0 2 5)





***Note :**

- Minimum No. of Candidates registered should be at least 15 for operationalisation of a FPDP
- If there are less than 15 candidates for any FPDP, the competent authorities may cancel the FPDP and the amount will be refunded.
- For registration and payment details go to the last slide

DEPARTMENTS

- 1 Department of Architecture
- 2 Department of Urban Design
- 3 Department of Industrial Design
- 4 Department of Landscape Arch.
- 5 Department of Building Engineering and Management (BEM)
- 6 Department of Housing
- 7 Department of Urban Planning
- 8 Department of Regional Planning
- 9 Department of Transportation Planning

ARCHITECTURE

Course Title

SPACES – Sustainable Practices and Advancements in Comfort Enhancement Systems

Course Code

(ARCH-03-FPDP)

Co-ordinator

Prof. Dr. Chitrarekha Kabre

Co-coordinators

Dr. Jatinder Kaur
Mr. Thomas Krishna Pegu

Duration : 5 Days (21st Oct-25th Oct,24)

Link for registration only for SPACES FPDP:

https://docs.google.com/forms/d/e/1FAIpQLSfwUrvb4hFXQckQqVXGT3qRSJTO8ANW0Z_KN2jITE4fpZjVA/viewform?usp=sf_link

Link for payment only for SPACES FPDP:

<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>



SESSIONS

Day 1

1. Inaugural Session
2. Integrated Design Approach towards Built Environment
3. Health and Well-being in built environment
4. Sustainable Infrastructure for Cities

Day 2

1. Climate and Thermal Comfort
2. Energy Efficient Building Envelope Design
3. Energy Conservation Building Codes and Green Building Rating Systems
4. Sustainable Building Materials

Day 3

1. Daylighting Simulation
2. Net Zero Energy Building Practices
3. Water and Waste Management

Day 4

Thermal Performance of Buildings (Computer Energy Modelling)
Building Energy Simulation (Hands on exercises)

Day 5

1. Smart Cities and Sustainable Practices
2. State of the art Research and Innovations in Comfort Systems
3. MCQ based examination and Valedictory Session



ARCHITECTURE

Course Title

REVIVAL OF BAOLIS: Strategic Planning for Conservation and Management of Traditional Water Systems

Course Code

(ARCH-02-FPDP)

Co-ordinators

Ms. Neha Prakash Korde
Dr. Ankit Kumar

Duration : 5 Days (17th Mar-21th Mar, 25)



SESSIONS

Day 1

1. Inaugural Session
2. Water structures and architecture of India
3. Baolis in India and their types and geographic distribution
4. Significance of Baolis, Baolis as Water Harvesting structure, Baolis as Sacred structure and Social space

Day 2

1. The context of hydrology in Baoli
2. Baolis as Heritage, Need for Conservation of Baolis
3. The decline of Baolis (Present status of Baolis), Laws and Ownership of Baolis

Day 3

1. Archival research, Approaches and Methods for the conservation of Baolis
2. Water and Hydrological Conservation of Baolis
3. Structural Conservation of Baolis

Day 4

1. Stakeholder Analysis, Consultation, Community linkages
2. Preparing project management chart for Conservation of Baoli Project
3. External Area development, landscaping, Post Conservation Management of Baoli

Day 5

1. State of the art Research and Innovations in Baolis as Water Systems
2. Discussion Forum
3. MCQ based examination and Valedictory Session

ARCHITECTURE

Course Title

BUILDING ENERGY SIMULATION

Course Code

(ARCH-01-FPDP)

Co-ordinator

Prof. Dr. Bandana Jha

Duration : 5 Days (2nd Dec-6th Dec, 24)



SESSIONS

Day 1

1. Inaugural Session
2. Building Energy Analysis
3. Thermal Comfort in Buildings
4. Introduction & Working on Group Assignment 1: Energy Efficiency Systems in 5 Climatic Zones of India

Day 2

1. Energy Use in Buildings, ECBC Codes & Rating Systems
2. Introduction & Working on Assignment 2: Measure the Annual Electricity Load In Your Own Household
3. Passive, Active and Hybrid Systems

Day 3

1. Introduction & Working on Assignment 3: Market Survey of Energy Efficient Building Systems
2. Measuring Thermal Performance of Buildings
3. Lecture cum Demonstration of eQuest Energy Simulation Software

Day 4

1. Tutorial on Energy Simulation Software: Introduction of the Modelling Assignment 4 & Steps
2. Working on the Modelling Assignment 4 & Clarifications:

Day 5

1. Final assessment & Discussions
2. Final Presentation of Energy Simulation Project Portfolio
3. Valedictory Session



ARCHITECTURE

Course Title

DESIGN PEDAGOGY: Domain of Architecture and Planning

Course Code

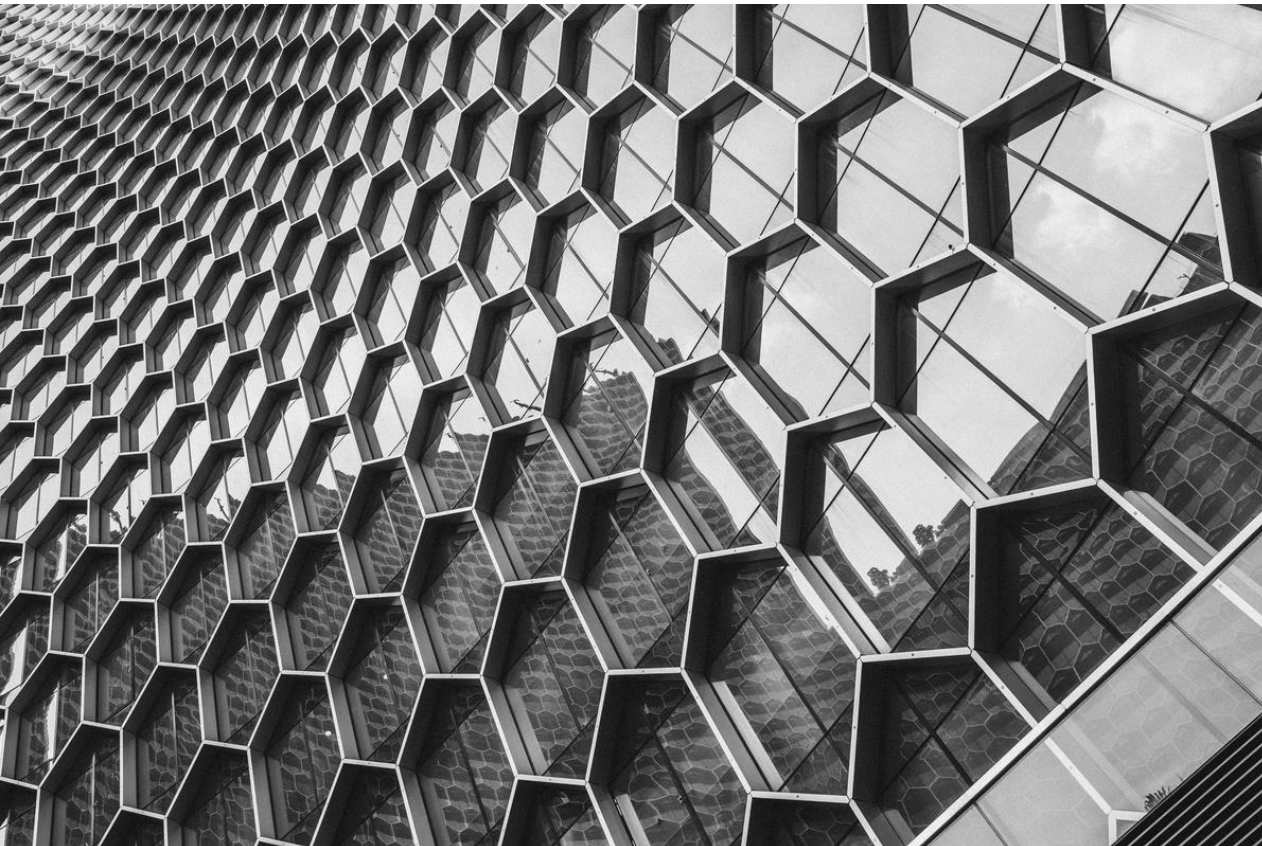
(ARCH-04-FPDP)

Co-ordinators

Dr. Jatinder Kaur

Ms. Neha Prakash Korde

Duration : 5 Days (3rd Feb-7th Feb, 25)



SESSIONS

Day 1

1. Inaugural Session
2. The Need and Urgency for Newer Vision in Design Pedagogy
3. Curriculum Shaping and Redefining Dynamic Objectives for Challenges in the Future
4. Role of the Immediate Context and Socio-cultural Values for their Integration in Architectural Education

Day 2

1. Role of National Education Policy in Architectural Education
2. Essential Theoretical Framework and Bloom's Taxonomy for Validating the New Design Education Paradigm

Day 3

1. Empirical Knowledge based Design Education Model
2. Year wise Challenges in the Course of B. Arch. And/or B. Plan.
3. Outcome-based Teaching and Learning Strategies in the Classroom and Hybrid Mode

Day 4

1. Shift in the Outlook of the Profession: Integrating Domains of Architecture, Planning and Construction
2. Teaching and Learning Methodologies for Profession Ready Education

Day 5

1. Inclusive Approach for Architectural Education: Role of "Mentor"
2. Emerging Research Methods and its Crucial Role in Architectural Education
3. Discussions and Q&A Session
4. MCQ based Examination and Valedictory Session

URBAN DESIGN

Course Title

URBAN DESIGN METHODOLOGIES

Course Code

(UD-01-FPDP)

Co-ordinator

Manu Mahajan

Duration : 5 Days (09th Dec-13th Dec,24)



SESSIONS

Day 1

1. Introduction to Urban Design
 - Introduction to the course
 - The city and its multiple interpretations
 - Terminologies and definitions
 - Determinants of Urban Form – various elements defining the ‘structure’ of cities
2. Introduction to the Practice Exercise

Day 2

1. Understanding the Context
 - Components of urban structure, character, and identity
 - Methods of urban design surveys, documentation, representation-building and spatial analysis, architectural expression
 - Typo-morphological mapping techniques
2. Discussion on the Practice Exercise

Day 3

- Participatory and Co-Design Methods
- Action-based Research and community engagement projects with examples
 - Learning from national-level programs for participatory planning
 - Methods of community engagement with examples
 - Design Charrette and Other Co-Design Methods
- Discussion on the Practice Exercise

Day 4

- Digital Methods
- Overview of relevant software
 - Introduction to GIS and its application in Urban Design
 - GIS data procurement
 - Creating maps, symbology, visualization, advanced mapping applications, annotations, web mapping, etc.
- Introduction to software such as Space Syntax and CityEngine, Urbano, and its application in Urban Design

Day 5

- Presentation of the Practice Exercise
Reflection on the FDP

URBAN DESIGN

Course Title

INNER CITY RENEWAL

Course Code

(UD-02-FPDP)

Co-ordinator

Manu Mahajan

Duration : 5 Days (06th Jan-10th Jan, 25)



SESSIONS

Day 1	<ol style="list-style-type: none">1. Urban Renewal Strategies- A Historical Perspective<ul style="list-style-type: none">• Overview of Medieval and colonial urban landscapes in India• Urban Renewal and role of Geddes, Mumford and Jane Jacobs• What is Heritage? – Traditional and Contemporary Perspectives/ Tangible and Intangible Perspectives2. Introduction to the Practice Exercise along with Data
Day 2	<ol style="list-style-type: none">1. Renewal Principles, Charters, and Legislation<ul style="list-style-type: none">• Overview of urban conservation in the world• Conservation legislation, typology of international guidance, Charters, Concept of UNESCO heritage cities• Review of Indian Master/Development Plans for urban renewal and urban conservation2. Discussion on the Practice Exercise
Day 3	<p>Strategies for Urban Renewal</p> <ul style="list-style-type: none">• Understanding urban renewal with case studies of Mumbai, London, Glasgow, etc., and field visits to sites in Delhi• Conservation and Development• Visit agencies involved in urban renewal in Delhi
Day 4	<p>Design Charrette</p> <ul style="list-style-type: none">• Study and documentation of a historic precinct in Delhi, including the regulatory framework• Stakeholder engagement to understand the issues
Day 5	<ol style="list-style-type: none">1. Presentation of urban renewal strategies for the selected area to showcase the convergence of disciplines such as urban design, conservation, housing, and urban transport.2. Reflection on the FDP

INDUSTRIAL DESIGN

Course Title

DESIGN THINKING & INNOVATION

Course Code

(ID-01-FPDP)

Co-ordinators

Parag Anand Meshram

Aditi Singh

Sushil I.V.

Duration : 5 Days (30th Nov-04th Dec, 24)



SESSIONS

Day 1

- Human Centred Design
- Key Concepts of Design
- Understanding Design Thinking

Day 2

- Design in the Indian Context
- Understanding the User
- Research Methods for identifying User needs

Day 3

- Ideation and Immersion
- Creative Thinking Techniques
- Brainstorming Tools

Day 4

- Iteration and Prototyping
- Design and System Thinking

Day 5

- Design, Technology and Business
- Minimum Value Proposition, NPD, Lean, Agile
- Protecting your Innovation

INDUSTRIAL DESIGN

Course Title
UNIVERSAL DESIGN
Course Code
(ID-02-FPDP)

Co-ordinators
Parag Anand Meshram
Aditi Singh
Sushil I.V.

Duration : 5 Days (05th Dec-09th Dec, 24)



SESSIONS

Day 1

- Introduction to Universal Design
- Understanding Disability, Diversity & Universal Design

Day 2

- A Brief History
- Expanding the Origins of Universal Design
- Policy perspectives & Accessibility regulations

Day 3

- The Importance of Universal Design
- Exploring Key Benefits
- Four General Ideas
- Seven Principles of Universal Design

Day 4

- Researching Universal Design
- Accessibility for All
- Aging in Place
- Inclusivity in Public Spaces
- Universal Design in Indian and low resource context

Day 5

- The Future of Universal Design
- Embracing Smart Technologies and Sustainable Design
- Design for a More Inclusive and Sustainable Future



SESSIONS

LANDSCAPE ARCHITECTURE

Course Title

Site Planning: Grading, Drainage and Planting

Course Code

(LA-01-FPDP)

Co-ordinator

Dr. Aarti Grover

Duration : 5 Days (2nd Jan – 6th Jan. 25)



Day 1

1. Orientation about the Concept of Site Planning in the domain of Landscape Architecture
2. Principles of Site Planning
 - Site inventory, Mapping techniques, Appraisal, Site Analysis

Day 2

- Site Planning and Grading Process- Reading contour maps, understanding landform signature, slope calculations
- Creating landscape using contours-Site design and grading design, landform creation, reading and mapping spot elevations

Day 3

- Signature Landforms- Swales, terraces, roads, steps, ramps, etc.
- Storm and Surface Water Drainage- Design Solutions

Day 4

- Planting Design- Historical Perspective, Principles of Planting Design, Functional, aesthetic and ecological considerations
- Planting Design for various urban situations, Preparation of Planting Concept, Planting plans and Schedules

Day 5

- Application-based Tutorial on Grading, Planting and Drainage
- Evaluation

LANDSCAPE ARCHITECTURE

Course Title

Site Planning: Grading, Drainage and Planting

Course Code

(LA-02-FPDP)

Co-ordinator

Dr. Aarti Grover

Duration : 5 Days (8th Jan – 12th Jan. 25)



SESSIONS

Day 1

1. The Research Premise in Landscape
 - Meaning, scope and possibilities of academic research in the domain of Landscape Architecture
2. The Research Premise in Landscape
 - Existing theories and frameworks
 - Trends in landscape research

Day 2

- Developing a Research Topic and the Process of Research
- Research Approaches and Paradigms

Day 3

- Learning to undertake the Literature Survey
- Process of Literature Survey and developing an argument

Day 4

1. Designing Research for Landscape Studies
 - Research objectives
 - Type of data- Primary/ Secondary
 - Sampling methods
2. Designing Research for Landscape Studies
 - Data collection methods and Procedures
 - Data analysis methods

Day 5

1. Research Ethics and Communication
 - Intellectual property rights, copyright
 - Writing the research- Academic writing
 - Publishing research paper: Identifying a journal, types of publications
2. Evaluation

BUILDING ENGINEERING AND MANAGEMENT (BEM)

Course Title

Hospital Planning and Management

Course Code

(BEM-01-FPDP)

Co-ordinator

Dr. Abhijit Rastogi

Duration : 5 Days (05th Dec-09th Dec,24)



SESSIONS

Day 1	<ol style="list-style-type: none">1. Healthcare mapping, site selection and analysis2. Principles of design, services, and fire safety in hospitals3. Green building rating, sustainability4. Resilience and disaster management plan5. Major problems faced by hospitals in terms of safety, design and construction management, commissioning of equipment; mitigation
Day 2	<ol style="list-style-type: none">1. Feasibility study of the hospital project2. Detailed project report3. Time, cost, and finance management4. Preparation of project schedule, project milestones5. Development of a Construction Management Plan (CMP)6. Quantity surveying (taking off quantities from drawings)7. Preparation of preliminary estimate and detailed estimate8. Value engineering, clash detection & mitigation
Day 3	<ol style="list-style-type: none">1. Types of contracts2. Project delivery modes3. Arbitration, dispute resolution4. Pre-contract risk identification and mitigation plans - equitable provisions in the contract5. Hands-on Session (Development of Schematic Design, Preliminary Estimate – Live Project)
Day 4	<ol style="list-style-type: none">1. Contractor Mobilisation2. Material Testing and Quality Inspection at the Site3. Design management in different phases4. Time, cost, and quality management5. Acts, laws and contract conditions related to health safety and the environment6. Site visit to a hospital under construction
Day 5	<ol style="list-style-type: none">1. Logistics, supply chain management2. Project commissioning3. Facility management plan

BUILDING ENGINEERING AND MANAGEMENT (BEM)

Course Title

Construction Project Planning and Scheduling

Course Code

(BEM-02-FPDP)

Co-ordinator

Dr. Salman Khursheed

Duration : 5 Days (8th Jan – 12th Jan. 25)



SESSIONS

Day 1	<ol style="list-style-type: none">1. Background and Concepts of project success and distress2. Construction project peculiarities and Development of Construction Management Plan3. Issues of Time Overrun and Cost
Day 2	<ol style="list-style-type: none">1. Introduction to Project Planning and Scheduling Techniques2. Project Planning using CPM/PERT3. Challenges of variability and irregularity in crew deployment in Resource Planning in construction
Day 3	<ol style="list-style-type: none">1. Key Issues with using CPM/PERT-based Scheduling2. LEAN way of Planning and Scheduling3. Preparation of Project Schedule on Case Project (Hands-on Session)
Day 4	<ol style="list-style-type: none">1. Frontiers of Construction Project Management; Lean Way of Collaborative Execution System: Visual Early Alerts & Risk Management2. Digitalization readiness, Offsite and Fast track Construction3. Risk management, Offsite and Fast Track Construction
Day 5	<ol style="list-style-type: none">1. Issues and Challenges to tackle Delays in Construction Projects2. Techno Managerial Approach Pre-Construction Planning in Repair and Rehabilitation Construction Projects3. Challenges and Market Practices of Managing Construction Projects

HOUSING

Course Title

Public Policy for Urban Housing with focus on PMAY

Course Code
(HSG-01-FPDP)

Co-ordinator

Dr. Ruchita Gupta

Duration : 5 Days (02nd Jan-06th Jan,25)



SESSIONS

Day 1

1. Evolution of Urban Housing Policies in India since Independence.
2. Housing Policies through Five year Plans.
3. National Housing and Habitat policy 2007 and other Government Urban housing programmes from time to time.

Day 2

1. Evaluation of Pradhan Mantri Awas Yojana (PMAY) in last 10 years.
2. Case Studies from different states of India, best and worst performing States with reasons.

Day 3

1. Affordable Housing Policies in India.
2. Case study from various states like Haryana, Orissa and Uttar Pradesh

Day 4

1. Policies for Slum up gradation, relocation and redevelopment
2. Case studies like Jaga Mission, SRA, TDR for Slum redevelopment etc

Day 5

1. Rental Housing- a solution to Housing shortage in India, Issues, challenges and potential.
2. International Policies and Best practices in other Asian countries

HOUSING

Course Title

Urban Land Management

Course Code

(HSG-02-FPDP)

Co-ordinator

Dr. Ruchita Gupta

Duration : 5 Days (08th Jan-12thJan, 25)



SESSIONS

Day 1

1. Introduction to Land Management
 - Land as a resource for urbanization
 - Factors affecting supply and demand of land for Housing
2. Land Revenue System
 - Land Administration Global Practices and Indian Systems
 - History of Land Records

Day 2

- Land value Capture
- Determinants of Residential Land Value
 - Land Policies and Regulations

Day 3

1. Indigenous Land Rights and Governance Domain
2. Land Assembly Tools for Access of Serviced Land
 - Techniques of land assembly and expropriation
 - Various State Led Innovative mechanisms in India
 - TP Scheme, Land Pooling, Bulk Acquisition, Joint Development Model etc.
 - Land Acquisition Act 1984 and Land Acquisition, Rehabilitation and Resettlement Act 2013

Day 4

- Land Models for Various States with Case Studies
- Land Pooling, Delhi
 - Town Planning Scheme, Gujrat
 - Land Pooling, Amravati
 - Town Development Scheme, Indore

Day 5

1. Land Models for Various States with Case Studies
 - Joint Development Model, Haryana
 - Bulk Acquisition, Noida, Greater Noida
2. Critical Evaluation, Problems and Potentials of Various tools for Land Assembly for Urban Development

URBAN PLANNING

Course Title

Future Ready Infrastructure for Cities

Course Code

(UP-01-FPDP)

Co-ordinator

Dr. Nilanjana D. Sur

Duration : 5 Days (09th Dec-13th Dec,24)



SESSIONS

Day 1	<ul style="list-style-type: none">• Introduction to Future Ready Infrastructure• Sustainable Development and Resilient Infrastructure
Day 2	<ul style="list-style-type: none">• Smart Cities and Digital Infrastructure• Public Policy, Governance, and Community Engagement
Day 3	<ul style="list-style-type: none">• Green Buildings and Energy Efficiency• Sustainable Transport Systems
Day 4	<ul style="list-style-type: none">• Water Management and Resource Conservation• Reuse of Sewage Systems for Potable Water
Day 5	<ul style="list-style-type: none">• Solid Waste Management and Sustainable Urban Design• Financing and Global Best Practices in Infrastructure

URBAN PLANNING

Course Title

Risk Informed Planning for Resilient Cities

Course Code

(UP-02-FPDP)

Co-ordinator

Dr. Chandrani B. Neogi

Duration : 5 Days (06th Jan-10thJan,25)



SESSIONS

Day 1	<ul style="list-style-type: none">• Concepts and Overview of Disaster Management• Global Trends of Disasters and Risks• Global Instruments and International Commitments• Disaster Management in India - Act, Policy and other Instruments
Day 2	<ul style="list-style-type: none">• Dimensions of Urban Risks• Risks and Vulnerability of Urban Builtform• Climate change Trends and Implications• Climate Change and Disaster Risks in Human Settlements
Day 3	<ul style="list-style-type: none">• Assessing Risks - Methods and Tools• Gender inclusive Disaster Risk Reduction• Disability inclusion for Disaster Risk Reduction• Urban Informal Livelihoods and Vulnerability
Day 4	<ul style="list-style-type: none">• Resilient Infrastructure Design Considerations• Resilient Schools and Hospitals - Structural and Non-Structural Mitigation• Climate Adaptation and Mitigation Strategies• Nature-based Solutions for Urban Development
Day 5	<ul style="list-style-type: none">• Community participation in DRR• Early Warning systems and Dissemination Process• Planning Strategies for Climate Resilient Cities

REGIONAL PLANNING

Course Title

Managing Peri-urbanisation

Course Code

(RP-01-FPDP)

Co-ordinator

Dr. Chetna Singh

Duration : 5 Days (Dates will be updated soon)



SESSIONS

Day 1

- Understanding Peri-urbanisation and their drivers
- Land Dynamics and Spatial Transformations (Built environment) in Peri-urban areas

Day 2

- Role of Industrialization and Economic activities in transforming Peri-Urban Areas
- Social transformations in Peri-urban areas

Day 3

- Peri-urbanisation and impact on environment and ecology
- Understanding Peri-urban Development through case studies (National and International)
- Peri-urbanisation and impact on agriculture

Day 4

- Transportation requirements for Peri-urban Areas
- Infrastructure Requirements in Peri-urban Areas

Day 5

- Role of GIS, Remote Sensing and AI in managing Peri-urban Areas
- Policies and Planning Approaches for Peri-urban areas
- Developing Resilience for Peri-urban Areas
- Assessment

REGIONAL PLANNING

Course Title

Rural Development, Management and District Planning

Course Code

(RP-02-FPDP)

Co-ordinator

Dr. Chetna Singh

Duration : 5 Days (16th Dec-20th Dec,24)



SESSIONS

Day 1

- Understanding Sustainable Rural Development and rural economy and society
- Regional planning techniques and project planning for rural areas

Day 2

- Rural development policies and schemes
- Natural resource management in rural areas (Including Watershed Management)

Day 3

- Challenges in Rural areas
- Food Systems and Rural Well-being

Day 4

- Rural Livelihood Systems and the need for its diversification
- Rural -urban interlinkages
- Role of Community participation in Planning for rural areas (including PRA)

Day 5

- Resilient Planning for hilly and coastal rural areas
- District planning and Governance of Rural Areas
- Assessment

TRANSPORTATION PLANNING

Course Title

Road Safety for Built Environment

Course Code

(TP-01-FPDP)

Co-ordinator

Prof. Dr. Sewa Ram

Duration : 5 Days (Dates will be updated soon)



SESSIONS

Day 1

- Road Safety's importance for Built Environment
- Trends of Road Crashes at Global and Indian context
- Lessons learned form key case studies in India and other countries for mitigation measures

Day 2

- Setting of Vision Zero
- Safety consideration for Vulnerable Road Users (VRUs)
- Safety consideration for Public Transport Users

Day 3

- Key components of Road Safety Audit
- Safety in Road Design
 - Safety in design of Nodes and Links
 - Real case studies for showcase

Day 4

- Field Visit for explaining road safety on the ground condition
- Key components of traffic Control devices/ Road Marking/ Road Signage
- Black Spot treatment

Day 5

- Special safety consideration for hill roads
- Incident/Accident golden hour consideration
- Hands on drawings for design for safety

TRANSPORTATION PLANNING

Course Title

Planning and Management of Urban Freight

Course Code

(TP-02-FPDP)

Co-ordinator

Prof. Dr. Sanjay Gupta

Duration : 5 Days (06th Jan-10thJan,25)



SESSIONS

Day 1	<ul style="list-style-type: none">◆ Importance of Urban Freight◆ Logistics and Supply chain fundamentals
Day 2	<ul style="list-style-type: none">◆ Freight Transport Activity Patterns◆ Freight Demand Assessment
Day 3	<ul style="list-style-type: none">◆ Warehousing and freight terminals◆ Planning for freight handling facilities
Day 4	<ul style="list-style-type: none">◆ Concept of city logistics◆ Sustainable urban freight distribution
Day 5	<ul style="list-style-type: none">◆ Management of urban freight transport◆ Case studies on sustainable urban freight practices (international and national)



REGISTRATION & PAYMENT DETAILS

Registration for: SPACES – Sustainable Practices and Advancements in Comfort Enhancement Systems

Course Code
(ARCH-03-FPDP)

Link for registration:

https://docs.google.com/forms/d/e/1FAIpQLSfwUrvb4hFXQckQqVXGT3qRSJTO8ANW0Z_KN2jITE4f-pZjVA/viewform?usp=sf_link

Link for payment:

<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>

Google Form Link for registration for all the other FPDP:

<https://forms.gle/7X9Si9Egx6Bm2W2n6>

*A valid e-mail ID is required for filling the Google form