

CENTRE OF EXCELLENCE
Urban Planning & Design
SCHOOL OF PLANNING AND ARCHITECTURE,
NEW DELHI

An “Institution of National Importance” under an Act of Parliament
Ministry of Education, Govt. of India

FACULTY AND PROFESSIONAL DEVELOPMENT PROGRAMME (FPDP)
Coordinating Department: Regional Planning

APPLICATION OF GEO-INFORMATICS FOR PLANNING

6 January to 10 January 2025

6 January 2025 - Day 1			
Geo-informatics, Remote Sensing and Geographic Information System: An Introduction			
Session	Time	Content	Speaker
Session 1	9:00 - 10:00 a.m.	Registration and Networking	
	10:00 - 11:00 a.m.	Introduction	Centre of Excellence (In charge)
			Dean (Research)
			Dean (Academics)
			Head (Planning)
		Director (SPA)	
11:00 - 11:30 am - High Tea and Group Photograph			
Session 2	11:30 - 12:30 pm	Geo- Informatics: Concepts and Definitions	Mr. Saurabh Rai Chief Executive Officer Arahas Technologies, Gurugram
12:30 - 1:30 pm - Lunch Break			
Session 3	1:30 - 2:30 pm	Remote Sensing: Overview of Satellite Images, Sources and Applications	Dr. Mahendra Singh Nathawat, Professor and Retd. Director School of Science IGNOU, New Delhi
2:30 - 3:00 pm - High Tea			
Session 4	3:00 - 4:00 pm	Geographic Information System and its Application in Planning	Dr. Vinita Yadav Professor and Co-ordinator Regional Planning SPA, New Delhi
Vote of Thanks			

7 January 2025 - Day 2**Spatial Analysis in Planning**

Session 1	10:00 - 11:00 am	Geo-Spatial Applications: National Level Initiatives (Planning Scale and Spatial Resolution)	Mohd. Monis Khan Town & Country Planner, Head, Urban and Regional Information System (URIS) Town & Country Planning Organisation, Ministry of Housing & Urban Affairs Govt. of India
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11:00 – 11:30 a.m. - High Tea

Session 2	11:30 am - 12:30 pm	Advanced GIS tools and their usage in Planning	Dr Shashi Mehta Assistant Professor (Contract) Regional Planning
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12:30 – 1:30 pm - Lunch

Session 3	1:30 - 2:30 pm	Geo-referencing, Raster and Vector data, Data Digitization, Classification of images - Supervised and Unsupervised and creating features from classified images	Dr Zeeshan Ibrar Guest Faculty Department of Architecture Jamia Millia Islamia New Delhi
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2:30 – 3:00 pm - High Tea

Session 4	3:00 - 4:00 pm	Semi Automation for Digitisation of Maps	Dr Sai Ram Assistant Professor Physical Planning
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Vote of Thanks

8 January 2025 - Day 3**GIS functionality and Site Suitability Analysis**

Session 1	10:00 -11:00 am	Drone Application for Planning	Dr Arathy Gopal Assistant Professor Department of Architecture
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11:00 – 11:30 a.m. - High Tea

Session 2	11:30 am - 12:30 pm	Spatial Analysis – Overview and proximity using raster and vector data	Ms. Swati Grover Director Disaster Resilient and Research Foundation
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12:30 – 1:30 pm - Lunch

Session 3	1:30 - 2:30 pm	Retail site-suitability	Mr. Shubham Mishra Co-Founder Urban Narratives
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2:30 – 3:00 pm - High Tea

Session 4	3:00 - 4:00 pm	Predictive modeling	Mr. Shubham Mishra
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Vote of Thanks

9 January 2025 - Day 4			
Field Visit			
Session 1	9.00 - 12.30 pm	Collecting data from field: Q Field and SW Maps	Mr. Shubham Mishra & Ms Swati Grover
12:30 – 1:30 pm - Lunch			
Session 3	1.30 - 2.30 pm	Map composition	Mr. Shubham Mishra
2:30 – 3:00 pm - High Tea			
Session 4	3.00 - 4.00 pm	Atlas generation	Mr. Shubham Mishra
Vote of Thanks			
10 January 2025 - Day 5			
Advanced ArcGIS Tools, Information Systems and their Application in Planning			
Session 1	10.00 - 11.00 am	Interface of information Systems for Integrated Planning using Q GIS	Dr. Poonam Sharma Professor Shaheed Bhagat Singh College University of Delhi, New Delhi
11:00 – 11:30 a.m. - High Tea			
Session 2	11.30 - 12.30 pm	Geo-portal as a Planning Instrument	Mr. Amit Bhargava Deputy Director General/Scientist G Ministry of Housing and Urban Affairs (MoHUA) Informatics Division Delhi
12:30 – 1:30 pm - Lunch			
Session 3	1.30 - 2.30 pm	Advancements in Geo-informatics	Mr. Srinivas Naik Assistant Professor Urban Planning
Session 4	2.30 pm - 3.30 pm	Felicitation Ceremony	Centre of Excellence (In-charge) Dean (Research) Dean (Academics) Head (Planning) Director (SPA)
	3.30 - 4.00 pm	Vote of Thanks	Dr. Shashi Mehta, Co-coordinator
4.00 - 5.00 pm - High Tea			

Organising Team

Chief Patron

Prof. Habeeb Khan
Chairperson, Board of Governors
SPA, New Delhi

Prof. Dr. Vinita Yadav
Course Coordinator, FPDP
Professor of Regional Planning
SPA, New Delhi

Patron

Prof. Dr. Virendra Kumar Paul
Director
SPA New Delhi

Dr Shashi Mehta
Course co-coordinator, FPDP
Assistant Professor (Contract), Regional Planning
SPA New Delhi

Ms. Yashika Sachdeva
Course co-coordinator, FPDP
Research Scholar, Department of Regional Planning
SPA New Delhi