



AMITY UNIVERSITY
— **UTTAR PRADESH** —

**17.3.11 Research progress against SDG 11 – Sustainable Cities
and Communities**

CONTENTS

- 1. List of research publications for 2023 related to SDG 11**
- 2. Course curriculum alignment with SDG 11 targets to attain aligned student research projects and exercises towards publication**
- 3. List of ongoing PhD research projects related to SDG 11 indicating active encouragement towards taking up gap areas/areas for improvement related to the SDG.**

Sno	Name of the University / Campus	Name of the Institute/ Department	Corresponding Author	Name of Authors	Order of Authors as appearing in the paper	Title of the Paper	Name of Journal /Book	Name of Conference	Published	Presented	If indexed in Scopus (ELSEVIER) (Yes/No)	if indexed in other than scopus in Pubmed/ Medline/DOI/ IDOSI (Yes/No)	Web of Science (Thomson Reuters) (Clarivate Analytics) (Yes/No)	UGC Listed/Indexe d	LINK OF THE PAPER	If any other information
1	AUUP	ASAP	Neeharika Kushwaha	Neeharika Kushwaha	1	Impediments in contextualizing SDGs: Review on India's City Plan Framework towards Agenda 2030	Recent Developments in Energy and Environmental Engineering.	4th International Conference on Trends and Recent Advances in Civil Engineering (TRACE -2022)	YES	YES	YES	N.A.	N.A.	N.A.	https://link.springer.com/chapter/10.1007/978-981-99-1388-6_19	Jun-23
				Dr. Charu Nangia	2											
2	AUUP	ASAP	Vikas Kumar Nirmal	Vikas Kumar Nirmal	1	Evaluation of Property Pricing Structure of Residential Neighborhoods in correlation with Urban Green Spaces of Noida City	Recent Developments in Energy and Environmental Engineering.	4th International Conference on Trends and Recent Advances in Civil Engineering (TRACE -2022)	YES	YES	YES	N.A.	N.A.	N.A.	https://link.springer.com/chapter/10.1007/978-981-99-1388-6_38	Jun-23
				Privanka Singh	2											
				Vilak K Bakde	3											
				Ekta Singh	4											
3	AUUP	ASAP	Sandeep Kumar	Sandeep Kumar	1	Legibility in a City: An overview of the Factors affecting Perceptions of Way-finding in the Built Environment	Recent Developments in Energy and Environmental Engineering.	4th International Conference on Trends and Recent Advances in Civil Engineering (TRACE -2022)	YES	YES	YES	N.A.	N.A.	N.A.	https://link.springer.com/chapter/10.1007/978-981-99-1388-6_37	Jun-23
				Dr. Amit Hajela	2											
				Dr. Ekta Singh	3											
4	AUUP	ASAP	Snigdha Choudhary	Snigdha Choudhary	1	A REVIEW OF ATTRIBUTES TO REINVENTING PUBLIC TRANSPORT PERTAINING TO URBAN MOBILITY AS SUSTAINABLE SOLUTION	ZEMCH 2022 International Conference Proceedings November 03- 05, 2022	9th ZEMCH International Design Conference	YES	YES	N.A.	N.A.	N.A.	N.A.	ISBN: 978-81-960746-2-3 ISBN: 2652-2926	Jun-23
				Dr. Charu Nangia	2											
				Dr. Manoj Kumar	3											
5	AUUP	ASAP	Susan J. Chacko	Susan	1	Identification of Critical Project Success (CPS) Factors for Construction Projects in India - An Overview	Recent Developments in Geotechnics and Structural Engineering	4th International Conference on Trends and Recent Advances in Civil Engineering (TRACE -2022)	YES	YES	YES	N.A.	N.A.	N.A.	https://link.springer.com/chapter/10.1007/978-981-99-1886-7_23	Jun-23
				Dr. Charu Nangia	2											
				Dr. R.S. Rai	3											
				Dr. Vanita Ahuja	4											
6	AUUP	ASAP	Neeharika Kushwaha	Neeharika Kushwaha	1	Achieving Localization of SDG11: A critical review of South Asian region and learnings for India	International Review for Spatial Planning and Sustainable Development	N.A.	YES	N.A.	YES	N.A.	N.A.	N.A.	https://www.ijstage.ist.go.jp/article/ijsspd/11/3/11_6/article	Jul-23</

ANNEXURE I: LIST OF COURSES ACTIVELY ADDRESSING ASPECTS OF ENVIRONMENTAL AND SOCIAL SUSTAINABILITY UNDER SDG11 OFFERED AS PART OF CURRICULUM AT ASAP

(Extracted from the approved syllabus for 2024, 2025, 2026, 2027 and 2028 batches in the ongoing 2023-24 Academic Session)

S.No.	Course name	Level	Whether relevant for Environmental or Social Sustainability, or both	Credit Units	Hours per week per student	No. of weeks for which course is conducted	Coursewise hours	Hours allocated per student annually	Remarks, if any
B.ARCH. 2ND YEAR									
1	Traditional Building Systems	UG	Both	2	2	15	30	30	Subjects offered in parallel as electives
2	Vernacular Architecture	UG	Both	2	2	15	30		
B.ARCH. 3RD YEAR									
3	Brown and Green Agenda	UG	Both	3	3	15	45	45	Subjects offered in parallel as electives
4	Architectural Conservation	UG	Both	3	3	15	45		
5	Disaster Resistant Architecture	UG	Both	3	3	15	45	45	
6	City and Technology	UG	Both	3	3	15	45	45	Subjects offered in parallel as electives
7	Principles of Tactical Urbanism	UG	Both	3	3	15	45		
B.ARCH. 4TH YEAR									
8	Sustainable Cities and Communities	UG	Both	3	3	15	45	45	
9	Landscape Architecture	UG	Environmental Sustainability	4	4	15	60	60	
B.ARCH. 5TH YEAR									
10	Building Performance and Compliance	UG	Environmental Sustainability	3	3	15	45	45	
11	Hospital Infrastructure and Management	UG	Social Sustainability	4	4	15	60	60	
TOTAL HOURS (PER STUDENT) FOR 5 YEAR B.ARCH. PROGRAM								375	
								Or 75 hours per student annually	

S.No.	Course name	Level	Whether relevant for Environmental or Social Sustainability, or both	Credit Units	Hours per week per student	No. of weeks for which course is conducted	Coursewise hours	Hours allocated per student annually	Remarks, if any
B.PLAN. 1ST YEAR									
12	Environmental Studies	UG	Environmental Sustainability	4	4	15	60	60	
B.PLAN. 2ND YEAR									
13	Socio-economic aspects of Urbanization	UG	Social Sustainability	4	4	15	60	60	
14	Settlement Geography	UG	Both	3	3	15	45	45	

15	Utilities and Services Planning	UG	Both	4	4	15	60	60	
16	Basics of Ecology, Geology and Hydrology	UG	Environmental Sustainability	3	3	15	45	45	
17	Environmental Impact Assessment in Planning	UG	Environmental Sustainability	3	3	15	45	45	
B.PLAN. 3RD YEAR									
18	Planning of Informal Sector	UG	Social Sustainability	4	4	15	60	60	
19	Housing and Community Planning	UG	Social Sustainability	3	3	15	45	45	
20	Sustainable Urban Development	UG	Both	3	3	15	45	45	Subjects offered in parallel as electives
21	Urban Renewal and Conservation	UG	Both	3	3	15	45		
B.PLAN. 4TH YEAR									
22	Disaster Risk Mitigation and Management	UG	Both	3	3	15	45	45	
TOTAL HOURS (PER STUDENT) FOR 4 YEAR B.PLAN. PROGRAM								510	
								Or 127.5 hours per student annually	

S.No.	Course name	Level	Whether relevant for Environmental or Social Sustainability, or both	Credit Units	Hours per week per student	No. of weeks for which course is conducted	Coursewise hours	Hours allocated per student annually	Remarks, if any
M.U.D. 1ST YEAR									
23	Site Planning and Sustainable Design	PG	Environmental Sustainability	3	3	15	45	45	
24	Communities Culture and Cities	PG	Social Sustainability	2	2	15	30	30	Subjects offered in parallel as electives
25	Tactical Urbanism	PG	Both	2	2	15	30		
26	Comparative Urbanism	PG	Both	2	2	15	30		
27	Integrated Urban Conservation	PG	Both	2	2	15	30	30	
28	Urban Mobility	PG	Social Sustainability	2	2	15	30	30	
29	Accessibility & Inclusive Cities	PG	Social Sustainability	2	2	15	30	30	
30	Smart Urbanism and Urban Renewal Programs	PG	Social Sustainability	2	2	15	30	30	
M.U.D. 2ND YEAR									
31	Indian Urbanism: Reimagining Cities	PG	Both	2	2	15	30	30	
32	Risk Assessment, Vulnerability and Feasibility Studies	PG	Both	2	2	15	30	30	
33	Urban Infrastructure Planning & Management	PG	Social Sustainability	2	2	15	30	30	
34	Urban Governance and Public Policy	PG	Social Sustainability	2	2	15	30	30	

35	Urban Development Policy Research	PG	Social Sustainability	2	2	15	30	30	
36	Urban Economic Planning	PG	Social Sustainability	2	2	15	30	30	
37	Urban Disaster Mitigation & Management	PG	Both	3	3	15	45	45	Subjects offered in parallel as electives
38	Urban Solid Waste Management	PG	Social Sustainability	3	3	15	45		
39	Urban Value Engineering	PG	Social Sustainability	3	3	15	45		
TOTAL HOURS (PER STUDENT) FOR 2 YEAR M.U.D. PROGRAM								420	
								Or 210 hours per student annually	

S.No.	Course name	Level	Whether relevant for Environmental or Social Sustainability, or both	Credit Units	Hours per week per student	No. of weeks for which course is conducted	Coursewise hours	Hours allocated per student annually	Remarks, if any
M.PLAN. (URBAN PLANNING) 1ST YEAR									
40	Housing Policy and Community Planning(PG)	PG	Social Sustainability	2	2	15	30	30	
41	Demography and Socio-Economic Planning(PG)	PG	Social Sustainability	2	2	15	30	30	
42	Urban Ecology and Geomorphology	PG	Environmental Sustainability	2	2	15	30	30	
43	Urban Poverty and Informal Settlements	PG	Social Sustainability	2	2	15	30	30	Subjects offered in parallel as electives
44	Culture, Communities and Cities	PG	Social Sustainability	2	2	15	30		
45	Participatory and Inclusive Planning	PG	Social Sustainability	2	2	15	30	30	
46	Infrastructure Planning and Management	PG	Social Sustainability	3	3	15	45	45	
47	Urban Transport Systems(PG)	PG	Social Sustainability	2	2	15	30	30	
48	Urban Conservation and Regeneration	PG	Both	2	2	15	30	30	Subjects offered in parallel as electives
49	Affordable and Cost-Effective Housing	PG	Social Sustainability	2	2	15	30		
M.PLAN. (URBAN PLANNING) 2ND YEAR									
50	Urban Management and Governance	PG	Social Sustainability	2	2	15	30	30	
51	Impact Assessment for Planning projects	PG	Both	3	3	15	45	45	
52	Risk Assessment and Feasibility Studies	PG	Both	2	2	15	30	30	
53	Regional and Environmental Planning	PG	Both	2	2	15	30	30	Subjects offered in parallel as electives
54	Urban Microclimates	PG	Environmental Sustainability	2	2	15	30		
55	Climate Resilient Urban Planning	PG	Both	3	3	15	45		Subjects offered in parallel as electives

56	Urban Disaster Mitigation and Management	PG	Both	3	3	15	45	45	Offered in parallel as electives
TOTAL HOURS (PER STUDENT) FOR 2 YEAR M.PLAN. PROGRAM								435	
								Or 217.5 hours per student annually	

AMITY SCHOOL OF ARCHITECTURE AND PLANNING, AUUP, NOIDA

List of PhD Scholars and their research topics that address various aspects of SDG11 (2023-24 session)

S.No	Enrollment Number	Name of PhD scholar	Research Topic/Title
1	A1974118002	Ms. Preeti Nair	Policy interventions for sustainable development in heritage dominant villages
	A1974115005	Ms. Deepshikha Jain	Applicability of Transit Oriented Development in Indian cities
2	A1974118003	Ms. Krutika ajit madkaiker	Vegetation management strategies to mitigate the urban heat island
3	A1974119001	Mr. Bhuvan K. Mitra	Framework for Space Planning of Elementary Schools in the Context of Emerging Educational Technologies: A Case of Public Funded Schools in Delhi
4	A1974119002	Mr. Umesh Govil	Strategic Framework for Sacred Congregational Spaces along The River Edge: Dialogue between Built and Unbuilt: Case Mathura
5	A1974119003	Mr. Sandeep Kumar	Strategic Framework for Urban Legibility of Local Area through application of Form Based Codes: A Case of Mixed-Use Development in Delhi
6	A1974119004	Ms. Anshika Agarwal	An Appraisal of virtual third places and its impact on high end retail in Delhi NCR: A framework for Revitalisation
7	A1974119005	Mr. Vikas Kumar Nirmal	Framework for assessing the impact of neighbourhood green spaces on Residential property; Case Noida
8	A1974120002	Ms. Kolhe Madhugandha Satish	Strategies for enhancing indoor thermal comfort through vegetation in plotted urban neighbourhoods in the hot semi-arid climate of India: a case of Pune city
9	A1974120004	Ms. Km Manika Agrawal	Strategic framework for enhancing visual quality of urban streetscapes through greenery systems- A case of mixed-use development along transit corridor in Lucknow
10	A1974120008	Ms Shubhru Gupta	Detailed appraisal of Lodi architecture (1451-1526CE) and a critical evaluation of its role in the architectural progression from Delhi Sultanate to Early Mughal period
11	A1974120006	Ms. Snigdha	A critical Evaluation of Last-mile connectivity as an integral component of Urban Mobility in TOD Zone, case of Delhi NCR
12	A1974120005	Ms. Alankrita Pagare	Framework for the parametric evaluation and application for Precast Construction Technology in the Residential Real Estate Sector- Case of Delhi NCR
13	A1974120003	Ms. Preeti Mishra	Performance evaluation of Photovoltaics as smart building envelope for commercial buildings in composite climatic zones
14	A1974121001	Ms. Tulika	Strategies for optimisation of Water Footprint in rural areas, case of Bhiwani District, Haryana
15	A1974121002	Ms. Susan Jamuna Chacko	Risk Assessment Framework for Architectural Design Management of High-Rise Residential Projects in Delhi - NCR
16	A1974121003	Ms. Neeharika Kushwaha	Contextualization of SDG 11 for Tier II Indian Cities: Ameliorating Local Area Planning Strategies for the Case of Dehradun
17	A1974122002	Ms. Prerna Sharma	Policy Framework for Fire Safety in High Density Urban villages in Noida
18	A1974122004	Ms. Jyoti Chabra	Study of Reverse Migration Globally During Pandemic
19	A1974122005	Ms. Snehal Shedge	Energy efficiency of Vernacular Residential buildings in Satara
20	A1974121007	Ms. Pawar Vrushi Shashikant	Strategies for Integration of Cultural Landscape as Part of Urban Fabric: A Case of Wari Fest- Maharashtra.
21	A1974123001	Mr. Prasoon Saxena	Computational design in Architecture with Artificial intelligence (Abroad Area)
22	A1974123002	Ms. Parwati	Enhancing Healthcare Built Environment: An Evaluation of Evidence-Based Design Quality in District Hospitals in Delhi NCR
23	A1974123003	Mr. Shah rukh Jawaid	Efficient and sustainable lighting solutions
24	A1974123004	Ms. Anushree Nehra	Implementing solar adaptive Architecture for sustainable Urban Development
25	A1974123005	Mr. Sharad Mohindru	Synergizing Vedic City Planning Principles with Contemporary Sustainable Urban Planning