



2021

# ANNUAL REPORT 2020-21

2020





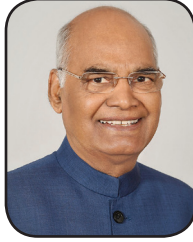


# ANNUAL REPORT 2020-21



**SCHOOL OF PLANNING AND ARCHITECTURE**  
An “Institution of National Importance” under an Act of Parliament  
(Ministry of Education, Government of India)  
Indraprastha Estate, New Delhi -110002





**Shri Ram Nath Kovind**  
Hon'ble President of India  
**VISITOR**



**Shri Dharmendra Pradhan**  
Hon'ble Minister of Education, Government of India  
**CHAIRPERSON, SPA COUNCIL**



**Dr. Amogh Kumar Gupta**  
**CHAIRPERSON, BOG**



**Prof. Dr. P. S. N. Rao**  
**DIRECTOR**



## PREFACE



The School of Planning and Architecture (SPA) New Delhi is an “Institution of National Importance” under an Act of Parliament, Ministry of Education, Government of India.

The origins of the School date back to the year 1941 when a Department of Architecture was setup in the Delhi Polytechnic. Subsequently in the year 1955, the School of Town and Country Planning was established and in the year 1959, the Department of Architecture was merged with the School of Town and Country Planning and rechristened as the School of Planning and Architecture, New Delhi. The School was accorded the status of a ‘deemed university’ in the year 1979 and brought under an Act of Parliament in the year 2014 with the status of an ‘institution of national importance’.

The School offers 2 undergraduate programmes and 11 postgraduate programmes. The School operates from its twin campuses at Indraprastha Estate, New Delhi and has 105 Full time sanctioned faculty positions, over 200 visiting faculty and nearly 1350 students.

Apart from imparting professional education in various fields related to the built environment, the School has also been pursuing sponsored research from various government bodies and institutions throughout India.

The School also carries out capacity building activities and training workshops in collaboration with other institutions. Members of the faculty also serve on committees and statutory bodies of various government and statutory organizations contributing their knowledge towards a better built and natural environment.

This Annual Report covers the activities and achievements of the various departments of studies and their respective members during 2020-21. It demonstrates the dedication of the School towards quality education, social responsibilities and nation building.

**Sd/-**

**Prof. Dr. P.S.N. Rao**

**DIRECTOR**

Date : September 2021



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INTER SPA SPORTS AND CULTURAL FESTIVAL  
EKPHRASIS'18  
Winner  
BASKETBALL (Girls)  
HOSTED BY SPA BHOPAL

INTER SPA SPORTS AND CULTURAL FESTIVAL  
EKPHRASIS'18  
Winner  
NKKAD  
HOSTED BY SPA BHOPAL

INTER SPA SPORTS AND CULTURAL FESTIVAL  
EKPHRASIS'18  
Winner  
FOOTBALL  
HOSTED BY SPA BHOPAL

INTER SPA SPORTS AND CULTURAL FESTIVAL  
EKPHRASIS'18  
Winner  
VARNAN  
HOSTED BY SPA BHOPAL

INTER SPA SPORTS AND CULTURAL FESTIVAL  
EKPHRASIS'18  
Winner  
VOLLEYBALL (Boys)  
HOSTED BY SPA BHOPAL





**1.**

## **ABOUT SPA NEW DELHI**



## ABOUT SPA NEW DELHI

The School of Planning and Architecture, New Delhi (SPA-D) is an Institution of National Importance imparting education in planning, architecture and design. SPA New Delhi provides training at various levels, in different aspects of human habitat and environment. The School offers highly sought after academic programmes in specialised fields at a Bachelor's, Master's and Doctoral level. The school, in striving for excellence has always been in the lead in extending education and research to new frontiers of knowledge. Human habitat and environment being the basic concern of the School, the spectrum of academic programmes is being continuously extended by providing programs in new fields and emerging areas.

### History of SPA New Delhi

The beginnings of the School of Planning and Architecture, New Delhi (SPA-D) date back to the year 1941 when the Department of Architecture was started in the Delhi Polytechnic of the Delhi University. Subsequently, the School of Town and Country Planning was set up in the year 1955 and this later became the School of Planning and Architecture in the year 1959. Recognising the specialised nature of the institution, SPA was accorded the status of a —Deemed University in the year 1979. Over the decade, the School expanded its horizon and today, it has as many as twelve Departments of studies and offers programmes at the undergraduate, postgraduate and doctoral level. In the year 2014, the school was accorded the status of —an Institution of national importance under the SPA Act. Over the last 75 years, SPA has emerged as a premier national level institution in the field of architecture and town planning. SPA, New Delhi continuously strives to be a globally competitive centre of excellence and has set a number of tasks to be accomplished and objectives to be achieved in the near future:

- To introduce new academic programs in emerging areas of research.
- To deepen and strengthen our established links with national and international institutions of repute, and also to take fresh initiatives in this direction.
- To develop sustainable programs for the faculty recruitment, training and development.
- To continue to promote diversification of extra-curricular activities for the students
- To continue to participate and contribute in policy formulation and programme implementation at all levels of government.
- To further develop linkages with building and real estate industry.

<b>Undergraduate Programs</b>	<b>2</b>
<b>Postgraduate Programs</b>	<b>11</b>
<b>Campus</b>	<b>30 Acres</b>
<b>Full-time Faculty</b>	<b>66 Full-time+14 Contract=80</b>
<b>Visiting Faculty</b>	<b>200+</b>
<b>Hostel Seats</b>	<b>450</b>
<b>Students and Scholars</b>	<b>1350</b>

**DEGREE COURSES CONDUCTED BY THE SCHOOL  
FOR THE SESSION 2020-21**

<b>S.No.</b>	<b>Name of the Course</b>	<b>Approved Intake</b>	<b>Duration</b>
1	Bachelor of Architecture	132+15%+1**	5 years
2	Bachelor of Planning	43 +15%* +1**	4 years
3	Master of Planning (Urban Planning)	39	2 years
4	Master of Planning (Regional Planning)	19	2 years
5	Master of Planning (Environmental Planning)	19	2 years
6	Master of Planning (Housing)	29	2 years
7	Master of Planning (Transport Planning)	29	2 years
8	Master of Architecture (Architectural Conservation)	19	2 years
9	Master of Design (Industrial Design)	29	2 years
10	Master of Urban Design	25	2 years
11	Master of Architecture (Landscape Architecture)	29	2 years
12	Master of Building Engineering and Management	39	2 years
13	Doctoral Programmes (Full-Time/Part-Time)	12x3	Full-Time 2- 5 yrs. Part-Time 3 - 5 yrs.

\* Foreign National-10%, NRI – 3%, PIO-2%, \*\*Kashmiri Migrants



### ENROLMENT OF STUDENTS FOR THE SESSION 2020-21

S.No.	Name of Course	First Year	Second Year	Third Year	Fourth Year	Fifth Year	Total
<b>I.</b>	<b>UNDERGRADUATE COURSE</b>						
1	Bachelor of Architecture	138	132	114	109	116	605
2	Bachelor of Planning	45	37	34	28	-	144
<b>II.</b>	<b>POSTGRADUATE COURSES</b>						
1	Master of Planning (Urban Planning)	40	35	-	-	-	75
2	Master of Planning (Regional Planning)	19	14	-	-	-	33
3	Master of Planning (Environmental Planning)	19	16	-	-	-	35
4	Master of Planning (Housing)	25	25	-	-	-	50
5	Master of Planning (Transport Planning)	27	25	-	-	-	52
6	Master of Architecture (Architectural Conservation)	15	16	-	-	-	31
7	Master of Design (Industrial Design)	27	22	-	-	-	49
8	Master of Urban Design	25	25	-	-	-	50
9	Master of Architecture (Landscape Architecture)	27	24	-	-	-	51
10	Master of Building Engineering and Management	38	32	-	-	-	70
III.	Ph. D. Programme	105	-	-	-	-	105
	<b>GRAND TOTAL</b>	<b>550</b>	<b>403</b>	<b>148</b>	<b>137</b>	<b>116</b>	<b>1350</b>

### ENROLMENT OF STUDENTS ACCORDING TO GENDER DURING 2020-21

Course	Male	Female	Total
Undergraduate	449	300	749
Postgraduate	243	253	496
Ph.D. Programme	38	67	105
<b>TOTAL</b>	<b>730</b>	<b>620</b>	<b>1350</b>

## RESERVATION OF SEATS

### UNDERGRADUATE/ POSTGRADUATE PROGRAMMES

<b>Scheduled Castes</b>	<b>(SC)</b>	- 15% (Intake)
<b>Scheduled Tribes</b>	<b>(ST)</b>	- 7.5 % (Intake)
<b>Other Backward Class</b>	<b>(OBC)</b>	- 27% (Intake)
<b>Economically Weaker Section</b>	<b>(EWS)</b>	- 10%
<b>Physically Challenged</b>	<b>(PH)</b>	- 05% Seats for all post graduate Degree programs are reserved for physically challenged persons on horizontal basis,these will be adjusted against therespective reservations for OG, SC, ST, OBC and EWS categories as per provision of PwD reservation.
<b>Armed Personnel</b>	<b>(AP)</b>	- 2 Seats 1 each in B.Arch. & B. Planning (Wards or dependent of defenc or paramilitary personal killed or permanently disabled in action during war or peacetime operation (Category DS).
<b>Kashmiri Migrant</b> (In addition to the sanctioned intake).	<b>(KM)</b>	- 1 Seat each for UG courses and2 Seats (one for Planning stream and one for Arch. Stream of PG).



## ENROLMENT

Statement showing the number of students enrolled under various reserved categories in Under-Graduate, Post-Graduate and Ph. D. Programmes during the session 2020-21.

Courses by level of Education	General		SC		ST		OBC		NRI		Kashmiri Migrant		Physically Challenged		Foreign Nationals		Armed Personnel		MEA (Welfare)		CIWG		EWS		Total Enrolment (All Categories)		
	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	Boys	Girls	Total
1 Bachelor's of Architecture	25	26	11	9	7	3	18	17	0	0	0	0	2	2	0	1	0	0	1	0	1	2	11	2	76	62	138
2 Bachelor's of Planning	13	5	2	2	2	1	11	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4	0	35	10	45
3 Master's Degree Course in Urban Planning	5	12	3	3	2	1	4	5	0	0	0	0	2	0	0	0	0	0	0	0	0	1	2	17	23	40	
4 Master's Degree Course in Regional Planning	3	4	2	1	0	1	3	2	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	11	8	19	
5 Master's Degree Course in Environmental Planning	2	5	1	2	1	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	7	12	19	
6 Master's Degree Course in Housing	4	9	2	2	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	17	25	
7 Master's Degree Course in Transport Planning	7	6	1	3	1	0	3	4	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	14	13	27	
8 Master's Degree Course in Architectural Conservation	2	6	1	0	1	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	9	15	
9 Master's Degree Course in Urban Design	6	5	3	1	1	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	15	10	25	
10 Master's Degree Course in Industrial Design	7	6	3	1	1	1	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	11	27	
11 Master's Degree Course in Landscape Architecture	4	9	4	0	1	0	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	15	27		
12 Master's Degree Course in Building Engg. & Management	6	10	6	1	1	1	5	5	0	0	0	0	0	0	0	0	0	0	0	0	3	0	21	17	38		
13 Ph.D.	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	7	16	
<b>TOTAL</b>	<b>93</b>	<b>110</b>	<b>42</b>	<b>25</b>	<b>18</b>	<b>9</b>	<b>63</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>23</b>	<b>8</b>	<b>247</b>	<b>214</b>	<b>461</b>

**2020-21**

Courses by level of Education	General		SC		ST		OBC		NRI PIO		Kashmiri Migrant		Physically Challenged		Foreign Nationals		Armed Personal		MEA (Welfare)		CIWG		EWS		Total	
	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G		
																										B
1 Under Graduate	38	31	16	11	9	4	29	18	0	0	0	0	2	2	0	1	0	0	1	0	0	1	2	15	2	183
2 Post Graduate	46	72	26	14	9	5	34	38	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8	6	262
3 Ph.D.	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
4 Total	93	110	42	25	18	9	63	56	0	0	0	1	6	2	0	1	0	0	1	0	0	1	2	23	8	461

## CUMULATIVE OUT-TURN OF STUDENTS

The cumulative out-turn of the students qualified in various courses from the inception of the School till 2019-2020 is as follows:-

Name of the Course	Cumulative Out-turn		Total
	2019-2020	2020-2021	
Bachelor of Architecture	3547	102	<b>3649</b>
Bachelor of Building Science	17	6	<b>23</b>
Bachelor of Planning	556	35	<b>591</b>
Master of Planning (Urban Planning)	677	31	<b>708</b>
Master of Planning (Regional Planning)	331	13	<b>344</b>
Master of Planning (Environmental Planning)	317	12	<b>329</b>
Master of Planning (Housing)	606	21	<b>627</b>
Master of Planning (Transport Planning)	510	22	<b>532</b>
Master of Architecture (Architectural Conservation)	265	16	<b>281</b>
Master of Design (Industrial Design)	281	22	<b>303</b>
Master of Urban Design	495	19	<b>514</b>
Master of Architecture (Landscape Architecture)	591	20	<b>611</b>
Master of Building Engineering and Management	641	28	<b>669</b>
Ph.D. Programmes	66	8	<b>74</b>
Master's Degree Course in Urban and Regional Planning	140	-	<b>140</b>
Post-Graduate Diploma Courses in (equivalent to Master's Degree) Urban and Regional Planning Housing and Community Planning Traffic and Transportation Planning	603	-	<b>603</b>
<b>TOTAL</b>	<b>9643</b>	<b>355</b>	<b>9998</b>

## THIRTY EIGHTH CONVOCATION

The Thirty Eighth Convocation of the School was successfully held on 16th February 2021. Dr. Ramesh Pokhriyal 'Nishank', Hon'ble Minister of Education, Government of India, was the Chief Guest and Dr. Vinay Sahasrabudhe, Hon'ble Member of the Parliament of India, was the Guest of Honour. Dr. Amogh Kumar Gupta, Chairman, Board of Governors of the School presided over the Convocation. The Chairman admitted 204 post-graduands, 137 graduands, 6 Bachelor of Building Science, and 8 Ph.D. graduands in person and in absentia in the respective disciplines. During the function, the following awards and medals were conferred upon graduands by the Chief Guest for the session 2019-20:-

Founder Director Prof. T.J. Manickam Gold Medal was awarded for the best overall performance at undergraduate and postgraduate studies. **UTKARSH BAVISKAR (SPA/NS/TP/649)** Student of Master of Planning with specialization in Transport Planning and **SHAMBHAVI GUPTA (BP/721/2016)** Student of Bachelor of Planning were recipients of the award.

SPA Gold Medal is awarded to the best student in each department. Following postgraduate and undergraduate students were awarded the SPA Gold Medal.

- **Fersana Hashim** (SPA/NS/AC/841) SPA Gold Medal for the Best Student of Master of Architecture (Architectural Conservation).
- **Shivangi Rajput** (SPA/NS/ID/343) SPA Gold Medal for the Best Student of Master of Design (Industrial Design).
- **HumaParvez** (SPA/NS/UD/826) SPA Gold Medal for the Best Student of Master of Urban Design.
- **Nishtha** (SPA/NS/BEM/747) SPA Gold Medal for the Best Student of Master of Building Engineering and Management.
- **Arunima Chakravarty** (SPA/NS/LA/629) SPA Gold Medal for the Best Student of Master of Landscape Architecture.
- **Aakriti Singhai** (SPA/NS/HSG/602) SPA Gold Medal for the Best Student of Master of Planning (Housing).
- **Nirjhar Sharma** (SPA/NS/EP/363) SPA Gold Medal for the Best Student of Master of Planning (Environmental Planning).
- **Anshuman Singh Patel** (SPA/NS/RP/1377) SPA Gold Medal for the Best Student of Master of Planning (Regional Planning)
- **Aniket Ramchandra Kendre**(SPA/NS/TP/631) SPA Gold Medal for the Best Student of Master of Planning (Transport Planning).
- **Pavni Kakkar**(SPA/NS/UP/1360) SPA Gold Medal for the Best Student of Master of Planning (Urban Planning).

- **Anshuman Singh Patel** (SPA/NS/RP/1377) Prof. N.S. Saini SPA Gold Medal for the Best Thesis of Master of Planning (Urban Planning and Regional Planning).

Undergraduate SPA Gold Medal for the best student is awarded to following students:

**Srishti Jauhri** (A/2877/2015) of Bachelor of Architecture.

**Shambhavi Gupta** (BP/721/2016) of Bachelor of Planning.

Undergraduate SPA Gold Medal for the best thesis was awarded to following students:

**Srishti Jauhri** (A/2877/2015) of Bachelor of Architecture.

**Anirudh Ray** (BP/697/2016) of Bachelor of Planning.

General Proficiency Prizes in Bachelor of Architecture was awarded to:

First Prize – **Srishti Jauhri**, A/2877/2015.

Second Prize – **Nivia Jain**, A/2847/2015.

General Proficiency Prizes in Bachelor of Planning was awarded to:

First Prize – **Anirudh Ray**, BP/697/2016.

Second Prize – **Shambhavi Gupta**, BP/721/2016.

## **STUDENTS' AWARDS**

**VANDANA GOYAL AWARD** instituted out of the endowment fund donated by Dr. M.L. Goyal in memory of his daughter, ex-student of B. Arch. Course is awarded to a student who secures highest marks in the third year B. Arch. Examination. The Award was given to **Charnpreet Singh (A/3028/2017)** for the session 2019-20.

**VED PRAKASH MEMORIAL AWARD** has been instituted out of the endowment fund donated by Ms. Chandan Aggarwal, wife of late Shri Ved Prakash Aggarwal and is awarded to a student who attains the first rank in the fourth year B. Arch. Examination. The scholarship was awarded to **Ayushi Saxena (A/2909/2016)** for the session 2019-20.

**THE JUGAL KISHORE CHOWDHURY CHARITABLE AND EDUCATION TRUST AWARD** is an award given out of the endowment fund in the memory of Late Padamshree J.K. Chowdhury, Eminent Architect. It is awarded to a student who secures highest marks in the Architecture Design subject in the Third year B. Arch. examination. The award is given to **Muskan Jain (A/3068/2017)** for the session 2019-20.

**ABHIJIT DE DESIGN AWARD** is an award given out of the endowment fund in the memory of Late Ar. Abhijit De, an alumnus of the School. It is awarded to a student who secures highest marks in the Architecture Design subject in the Fourth year B. Arch. examination. The award is given to **Sanjal Maru (A/2972/2016)** for the session 2019-20.

**APOORVA RUSTAGI SCHOLARSHIP AWARD** is an award given to girl student of Bachelor of Planning in the memory of Apoorva Rustagi and is awarded to a student of Third and Fourth year Bachelor of Planning course for the best overall performance. The award was given to **Arzoo Kumari (BP/701/2016)** for the session 2019-20.

**PROF. N.S. SAINI GOLD MEDAL** is given out of endowment fund made in the memory of late Prof. N.S.Saini and is awarded for securing highest marks in **Thesis**, amongst the students of Master of Planning with specialization in Urban Planning or Regional Planning. The award was given to **Anshuman Singh Patel (RP/1377)** for the session 2019-20.

**NARENDRA JUNEJA GOLD MEDAL** is given out the endowment made on behalf of late Shri Narendra Juneja, an alumnus of the School is awarded for the best individual performance in Landscape Architecture-IV (Studio) to the final year student of Master's Degree Course in Landscape Architecture. The award was given to **Akshaya K (LA/626)** for the session 2019-20.

**PROF. S.K. NARAYANA MEMORIAL ALUMNI GOLD MEDAL** is given out the endowment made in the memory of late Prof. S.K. Narayana, and is awarded to a student for the best "Thesis" in Building Engineering and Management. The award was given to **Devika Nayal (BEM/735)** for the session 2019-20.

**DR. P.C. JAIN ALUMNI GOLD MEDAL** is given out of endowment fund and is awarded for who scores the highest CGPA in first year (Cumulative of first and second semester) examination in Master's Degree course in Building Engineering and Management for the academic session 2018-19 and 2019-20. The award was given to **Nishtha (BEM/747)** for the session 2018-20.

**SHRIYA ANAND AWARD** has been instituted out of the endowment fund donated by Capt. Jai Kumar Anand in the memory of his daughter Late Ms. Shriya Anand and is awarded to a student of Master's Degree Course in Landscape Architecture for the best overall performance in Landscape Architecture Studio in four semesters. The award was given to **Akshaya K (LA/626)** for the session 2018-19 and 2019-20.

**PROF. M.R. AGNIHOTRI AWARD** has been instituted out of the endowment fund donated by Late Prof. M.R. Agnihotri and is given to a final year student of Master's Degree Course in Architecture with specialization in Industrial Design having passed the examination in first class and securing highest marks in design project. The award was given to **Saptnekar Sushrut Subodh (ID/342)** for the session 2019-20.

**SIDDHARTH KHITOLIYA AWARD** has been instituted out of the endowment fund and is awarded to a student of Master's Degree Course in Landscape Architecture for overall best academic performance in Landscape Architecture for the session 2018-19 and 2019-20. The award was given to **Arunima Chakravarty (LA/629)** for the session 2019-20.

**PROF. M.N. CHATTERJI AWARD** has been constituted for securing highest marks in the subjects Planning Theory – I and Planning Theory – II in Bachelor of Planning. The award was given to **Karthik Girish (BP/740/2017)** for the session 2019-20.

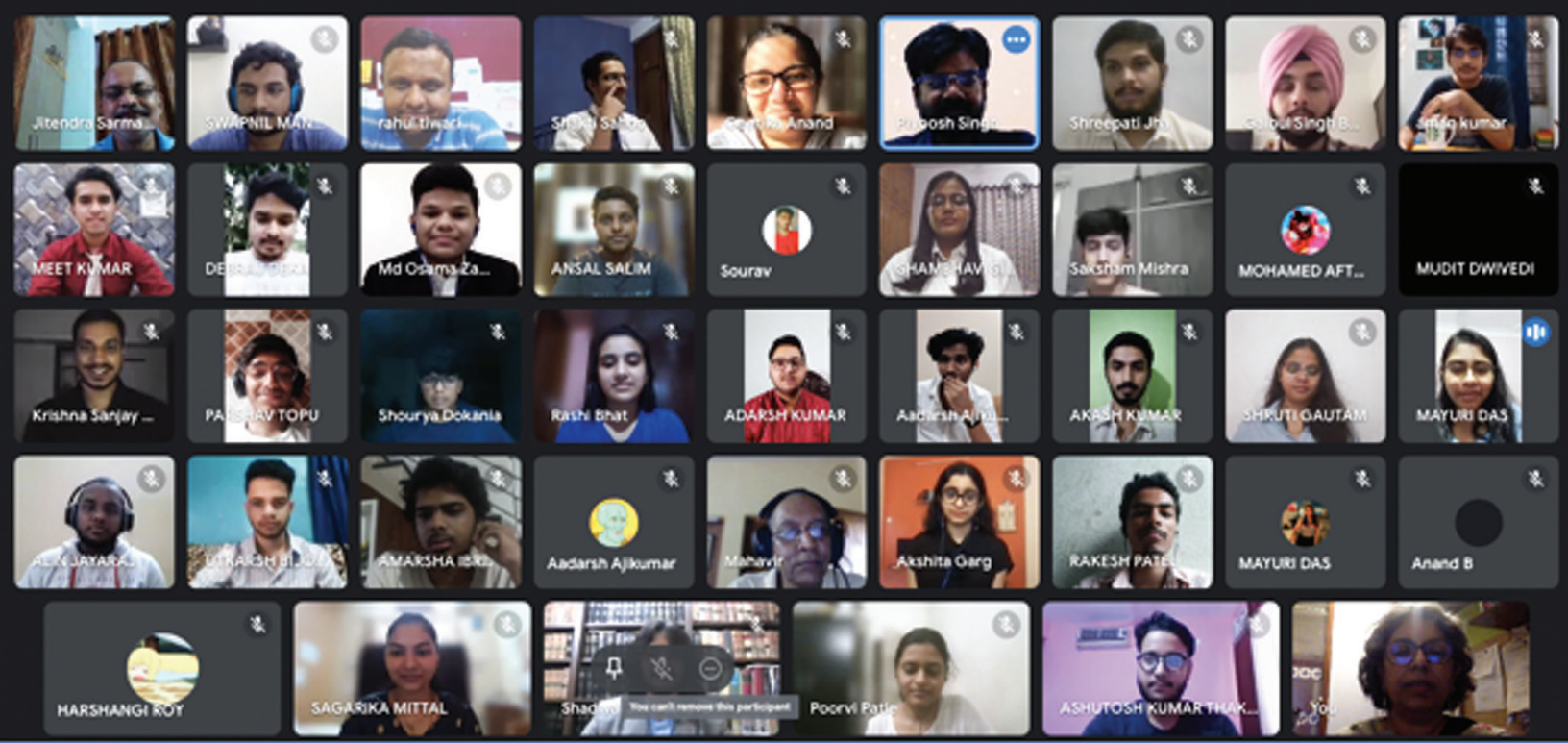




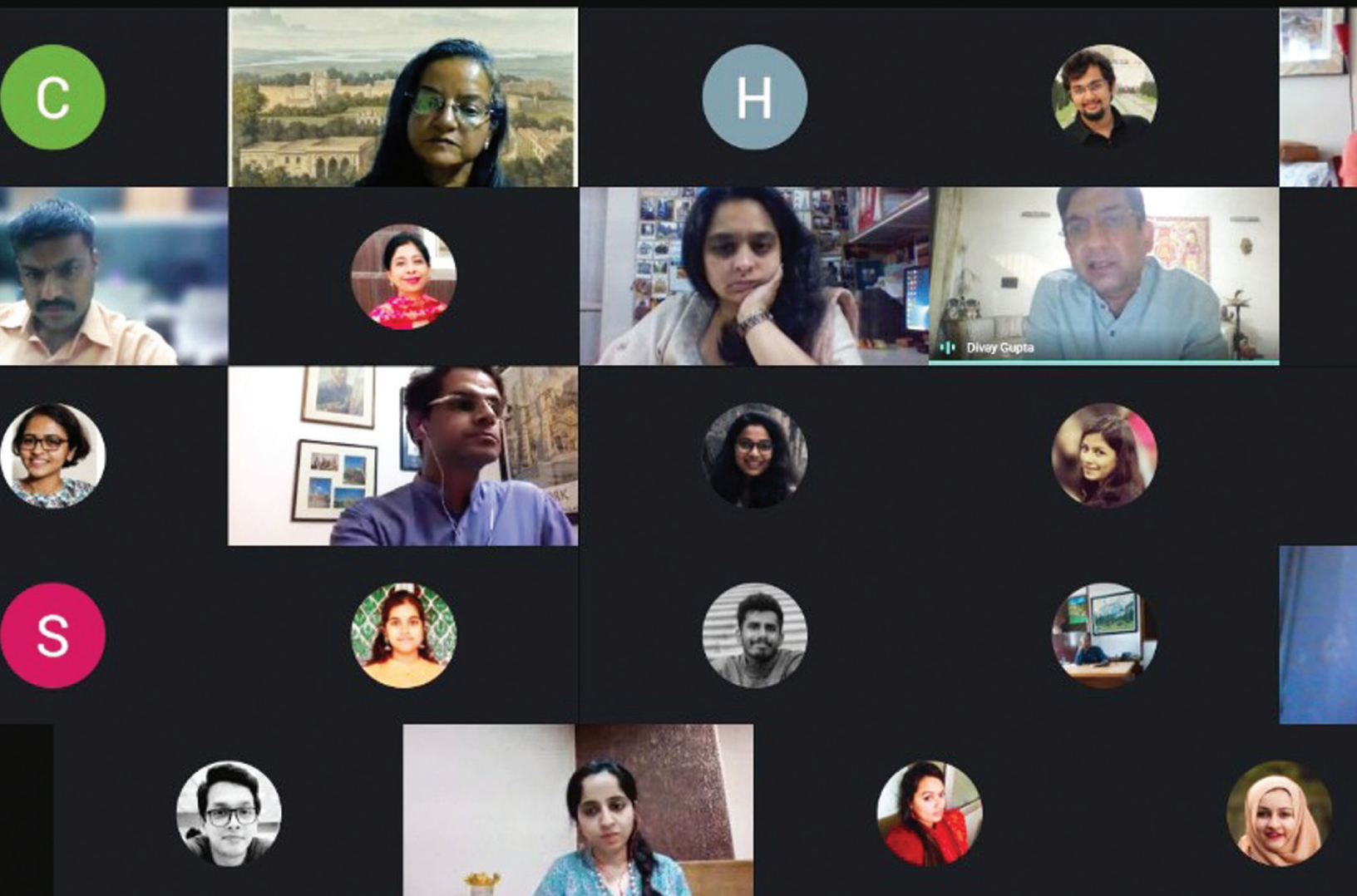




REC



5:42 PM | External Jury: Planning Studio-II (Day-2)



**2.**

## **DEPARTMENTS OF STUDIES**



## 2.1 DEPARTMENT OF ARCHITECTURE

### 1. Academic Programs Offered by the Department

- Bachelor of Architecture
- Bachelor of Building Science
- Ph.D. Programme in Architecture

### 2. Year of establishment of the Department

1941 as a Department of Architecture of the Delhi Polytechnic

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Areas of Specialization	CoA Reg.No.
<b>PROFESSORS</b>			
Ranjana Mital (Head of the Department)	B.Arch.; Ph.D.	Architectural Design, History of Architecture, Research in Architecture,	CA81/6196
Mandeep Singh	B.Arch.; M.Arch.(UD); Ph.D.	Architectural Design, Urban Design, Earthquake Resistant Architecture	CA/80/56 93
Manoj Mathur	B.Arch.	Architectural Design, Building Construction, History of Architecture	CA-1984- 8183
Aruna Ramani Grover	B.Arch.; M.Plan.(H); Ph.D.	History, Sustainable Design, Water Use and Cost-Effective Construction Technologies	CA/85/95 02
Anil Dewan	Ph.D.; MBEM; B.Arch.	Hospital Design, Professional Practice, Project Management	CA/1983/0 7565
Jaya Kumar	B.Arch.; Ph.D.	Architecture	CA81/6122
<b>ASSOCIATE PROFESSORS</b>			
Leon Angelo Morenas	Ph.D.; M.Arch.(UD); B.Arch.	Urban Studies, Design Development, Science and Technology Studies, Theory of Design	CA/2011/5 1131

Shweta Manchanda	Ph.D.	Architectural Design, Energy Efficiency, Sustainable Design	COA/97/23 712
Shuvojit Sarkar	Ph.D.; M.Plan.; B.Arch.	Design, Town Planning, Environment Urban Ecology	CA/2004/3 2924
Prabhjot Singh Sugga	MS(UP); B.Arch.	Structures, Disaster management, hospitality,	CA/2008/4 2234
Jatinder Kaur	Ph.D. ; M.Tech. (Const. Tech. & Management); B.Arch.	Energy Efficient Building Design	CA/95/188 45
<b>ASSISTANT PROFESSORS</b>			
S.K. Aditya	B.Arch.	Architectural Design	CA/88/11735
Parul Kiri Roy	B.Arch.; MFA(History of Art)	Art and Architectural History and Theory, Vernacular Built Environments, Community Innovation, Design Pedagogies	CA/2001/28 679
Sunil Prasad Shrivastava	Ph.D.; M.E.(Civil Engg.); B.Sc. Engineering (Civil)	Soil Mech. and Foundation Engineering	
Aarti Nagpal	Ph.D. (ongoing); M.Plan.(UP); B.Arch.; PGPCM,	Architecture and Urban Planning	CA/2009/45 148
Arpita Dayal	B.Arch.; M.Arch.(UD)	Urban Design	CA/2007/39 718
Anjali Mittal	B.Arch.; M.Sc.(City Design & Social Science),	Architectural Design, Urban Design, Urban Planning and Policy, Sociology	CA/2009/45 148
Saptarshi Sanyal	Ph.D. (ongoing); M.Arch.	Architectural History, Knowledge Systems, Architecture and Visual Cultures	CA/2009/45 861

	(Conservation); B.Arch.		
Mekhla Parihar	M.Arch.	Environment Behaviour, Gender and Tribal Community, Displacement, Spatio-Cultural Dimension	CA/2009/46 924
Vandana Kothari	MFA	Painting, Print Making and History of Art	NA
<b>ASSISTANT PROFESSOR (ON CONTRACT)</b>			
Gunjan Jain	B.Arch.; M.Plan. (EP); Ph.D. (Pursuing)	Architecture, Planning, Environment, Energy efficiency in Buildings	CA/2005/35 994

#### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Mandeep Singh	VII	Architectural Design (Studio) (Hotel)	8
	VII	Building Construction (Studio)	3
	VII	Design Tutorial	1
	X	ADTc-Tech Study (Studio)	4
	X	ADTa-Architectural Thesis (Studio)	6
	VIII	Internship Coordinator	2
Manoj Mathur	VII	Architectural Design	6
	VII	Working Drawings	6
	V	Design Methodology	2
	III	History of Arch.	2
	VII	Seminar	1
	IX	Dissertation	1
	X	Architectural Thesis	9
	VIII	Internship Coordinator	1
Aruna Ramani Grover	IX	Design Studio	9
	IX	Dissertation	2
	V	History Of Architecture	2
	X	Thesis Studio	12



	X	Thesis Research Tutorial	2
Anil Dewan	VII	Design	11
	IX	Professional Practice	3
	IX	Dissertation	2
Jaya Kumar	X	Architectural Thesis-Design and Research	13
	IX	Architectural Design	9
	IX	Dissertation- Lecture, guidance and coordination	5
Leon Angelo Morenas	V	Architectural Design (ADS)	9
	V	Design Methodology (ToD3)	2
	V	Architectural Research-Seminar (AR1)	5
	VI	Architectural Design (AD6 )	9
	VI	Architectural Theories (ToD4)	2
	VI	Art and Architectural Appreciation	3
Shweta Manchanda	V	Architectural Design;	8
		Design Tutorial;	1
Environmental Studies 5;		2	
Dissertation;		2	
VI	Art and Architectural Appreciation;	1	
	Architectural Design;	8	
	Design Tutorial;	1	
	Sustainable Urban Habitat;	2	
	Art and Architectural Appreciation;	3	
Prabhjot Singh Sugga	V	Architecture Design Studio	8
	VII	Structures in Architecture appreciation course	3
	X	Dissertation (Guide)	2
	X	Dissertation (Coordinator)	1
Shuvojit Sarkar	I	Architectural Design	8
	I	Environmental Studies	2
	I	Model Making Workshop	2
	V	Seminar	2
	II	Architectural Design	8
	II	Climate Responsive Design	2
	II	Computer Applications	2
Jatinder Kaur	III	Architectural Design -3	8
	III	Visual Arts & Basic Design -3	3



	III	Art & Architectural Appreciation - 1	3
	VII & IX	Architectural Journalism	2
	IV	Architectural Design – 4	8
	IV	Visual Arts & Basic Design -4	3
	IV	Solar Active & Passive Systems	3
Parul Kiri Roy	I	VABD1- Visual Arts and Basic Design	17
	I	PC1- Professional Communication	
	III	AAA1- Art and Architecture Appreciation	
	III	HoA2- History of Architecture	
	VII, IX	EL- Elective: Other Histories	
	IX	Dissertation	
	II	AD2- Architectural Design	16
	II	HoA1- History of Architecture	
	IV	AAA2- Art and Architecture Appreciation	
	IV	VABD4- Visual Arts and Basic Design	
Sunil Prasad Shrivastava	I	Theory of Structures (Section A)	4
	I	Theory of Structures (Section B)	4
	I	Theory of Structures (Section C)	4
	I	Theory of Structures (Section A)	2
	I	Theory of Structures (Section B)	2
	I	Theory of Structures (Section C)	2
	I	Contact Hours 2 <sup>nd</sup> & 3 <sup>rd</sup> B. Arch Sec.(A,B & C)	4
	II	Theory of Structures (Section A)	4
	II	Theory of Structures (Section B)	4
	II	Theory of Structures (Section C)	4
	II	Theory of Structures (Section A)	3
	II	Theory of Structures (Section B)	3
	II	Contact Hours 2 <sup>nd</sup> & 3 <sup>rd</sup> , B. Arch Sec. (A,B & C)	4
	Arpita Dayal		Dissertation Coordination for 5 <sup>th</sup> Year
		Dissertation Guide For 5 <sup>th</sup> Year	
		Architectural Design For First Year	
		Building Construction for First Year	
		Human Settlements and Vernacular Architecture for First Year	
		Architectural Design for First Year	
		Professional Communication for First Year	

		Sociology for First Year	
		Building Construction for First Year	
Anjali Mittal	I	AR1.08 Human Settlements and Vernacular Architecture (Lecture)	2
	I	AR1.09 Professional communication	3
	III	AD3- Arch. Design (Studio)	8
	III	VA3- Visual Arts and Basic Design (Studio)	3
	II	AR1.02 Visual Arts and Basic Design (Studio)	3
	II	AR2.09 Sociology and Culture (Lecture)	2
	IV	AD4- Arch. Design (Studio)	8
	IV	VA4- Visual Arts and Basic Design (Studio)	3
Aarti Nagpal		Architectural Design-(I,II,III,IV),	
		Graphics-(I,II),	
		Environmental Science/ EVS-(I), Building Construction-(I,II, III, IV, VI)	
		Building Science & Services-(II,III),	
		Theory of Settlements/ TOS (VI,VII),	
		Computer applications-I,	
		Sustainable Urban Habitat-VI	
Vandana Kothari	III	Visual Arts and Basic Design- III (Studio)	3
	III	Art & Architectural appreciation (Tutorial )	3
	V	Art & Architectural appreciation (Tutorial)	3
	I	Visual Arts and Basic Design - I (Studio )	5
	II	Visual Arts and Basic Design - II (Studio)	3
	II	Visual Arts and Basic Design - II (Studio )	3
Mekhla Parihar	III	Architectural Design	4
	III	Computer Applications	3
	III	Art and Architectural Appreciation	3
	I	Theory of Design-1 (Vernacular Settlement)	2
	IX	Dissertation	2
	IV	Architectural Design	4
	IV	Computer Applications	3
	IV	Art and Architectural Appreciation	3
	II	Theory of Design-2 (Society and Culture)	2
Gunjan Jain		Architectural Design (AD1)	8
		Water, Waste and Sanitation (BS1)	3

		Mobility (BS3)	2
		Architectural Research (AR1)	5
		Architectural Design (AD2)	8
		Climate Responsive Design(ES2)	2
		Professional Communication (PC2)	3
		Acoustics(BS2)	2
		Sustainable Urban Habitat (ToD5)	2

#### 5. Details of Teaching Work Undertaken in Other Departments

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Aarti Nagpal		Urban Development Management and Governance-III and Sustainable Development Planning-I.	

#### 6. Details of Teaching Work Undertaken by Visiting Faculty

List of Visiting Professors				
S. No.	Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs./ Week
1	Ashok Grover	Jan- April ., 2021	Building Construction	12
		Sep-Dec, 2020		
2	Punit Sethi	Jan- April ., 2021	Building Construction	12
		Sep-Dec, 2020		
3	Reeta Sanyal	Jan- April ., 2021	Theory of Structures	6
		Sep-Dec, 2020	Theory of Structures	13
4	Mousumi Biswas	Jan- April ., 2021	Theory of Structures	12
		Sep-Dec, 2020	Theory of Structures	12
5	Richard Andre Barraud	Jan- April ., 2021	Arch. Design and Bldg. Const.	12
		Sep-Dec, 2020	Arch. Design and Bldg. Const.	12
6	Vivek Varma	Jan- April ., 2021	Building Construction	7
		Sep-Dec, 2020	Arch. Design and Bldg. Const.	7
7	Sonia Kapre	Jan- April ., 2021	Building Construction	7
		Sep-Dec, 2020	AP5, AD7, BC7	12

<b>List of Visiting Faculty</b>				
<b>S. No.</b>	<b>Name of the Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hrs./ Week</b>
1	Amit Prabhakar	April – July , 2021	Arch. Design and Bldg. Const.	11
		Sep-Dec, 2020	Architecture Design - 1	8
2	Amardeep Labana	April – July , 2021	Arch. Design and Workshop	11
		Sep-Dec, 2020	Arch. Design	8
3	Shubhi Aggarwal	April – July , 2021	Architectural Design	8
		Sep-Dec, 2020	Computer Application	4
4	T.S. Ravichandran	April – July , 2021	Architectural Design	8
		April – July , 2021	Climate Responsive Design	2
		Sep-Dec, 2020	Computer Application & PC	6
5	Urrmimala Guha	April – July , 2021	Architectural Design	8
		Sep-Dec, 2020	Bulding Construction & AP	5
6	Shaista Parveen	April – July , 2021	Architectural Design	8
		April – July , 2021	History of Architecture	2
		Sep-Dec, 2020	AD-1 & HOA & AR	12
7	Peu Banarjee	April – July , 2021	Architectural Design	8
		Sep-Dec, 2020	Architectural Design -1	8
8	Amit Kumar	April – July , 2021	Computers	9
		Sep-Dec, 2020	Architectural Design -1	-
9	Amit Prabhakar	April – July , 2021	Arch. Design and Bldg. Const.	11
		Sep-Dec, 2020	Visual Arts-1	4
10	Francis Joseph	April – July , 2021	Visual Arts & Basic Design	9
		Sep-Dec, 2020	Visual Arts-1	10
11	Vishal Ranjan	April – July , 2021	Visual Arts & Basic Design	15
		Sep-Dec, 2020	Visual Arts	10
12	Prasanta Mukherjee	April – July , 2021	Visual Arts & Basic Design	15
		Sep-Dec, 2020	Visual Arts	10
13	Pratul Das	April – July , 2021	Visual Arts & Basic Design	15

		April – July , 2021	Visual Arts & Basic Design	9
14	Pavan Buragohain	April – July , 2021	Visual Arts & Basic Design	15
		April – July , 2021	Visual Arts & Basic Design	9
		Sep-Dec, 2020	Visual Arts	3
15	Roohan Segel	April – July , 2021	Visual Arts & Basic Design	9
		Sep-Dec, 2020	Visual Arts-1 & AA	11
		April – July , 2021	Visual Arts & Basic Design	3
		Jan – May , 2021	Art & Architectural Appreciation	3
16	Mark A Warner	April – July , 2021	Visual Arts & Basic Design	3
		April – July , 2021	Visual Arts & Basic Design	
17	M Pravat	April – July , 2021	Visual Arts & Basic Design	3
		April – July , 2021	Visual Arts & Basic Design	
18	Sudhir Prakash	April – July , 2021	Computer Application	4
		Sep-Dec, 2020	Computer Application	2
19	Artika Aggarwal	April – July , 2021	Computer Application	6
20	Maulik Yagnik	April – July , 2021	Computer Application	4
21	Sonal Singh	April – July , 2021	Computer Application	2
22	Prabha Ghai	April – July , 2021	Building Construction	3
		April – July , 2021	Theory of Structure	2
		April – July , 2021	Surveying & Leveling	3
		April – July , 2021		
23	Reema Jain	April – July , 2021	Building Construction	3
		Sep-Dec, 2020	Building Construction	6
24	Sheily Shrivastav	April – July , 2021	Building Construction	3
25	Shaily Gupta	April – July , 2021	Building Construction	
		Sep-Dec, 2020	Building Construction	3
26	Taniya Sanyal	April – July , 2021	Theory of Structure	2
		Sep-Dec, 2020	Building Construction &	7

			ST & AR	
27	Naresh Matia	April – July , 2021	Theory of Structure	6
		April – July , 2021		
28	Sushant Jain	April – July , 2021	Surveying & Leveling	3
		April – July , 2021	Professional Communication	6
		Sep-Dec, 2020	Computer Application & AP & PC	13
29	Parul Walecha	April – July , 2021	Professional Communication	3
30	Anuj Srivastava	April – July , 2021	Professional Communication.	6
		Sep-Dec, 2020	Professional Communication & Building Construction	9
31	Parul Jain	April – July , 2021	Professional Communication	3
32	Sonal Singh	April – July , 2021	Professional Communication.	6
33	Meera Soni Bindal	April – July , 2021	Professional Communication.	3
		Sep-Dec, 2020	Professional Communication.	6
34	Alisa Akbar	April – July , 2021	Professional Communication	3
35	Tarun Kumar	Jan- April ., 2021	Arch. Design	8
		Sep-Dec, 2020	Arch. Design	8
36	Khushal Matai	Jan- April ., 2021	Arch. Design	4
		Jan- April ., 2021	Green System Integration ,	4
		Sep-Dec, 2020	Architecture Design	8
37	Suparna Ghosh	July - Dec., 2017	Arch. Design	8
		Sep-Dec, 2020	Arch. Design	8
38	Vikas Gandhi	Jan- April ., 2021	Arch. Design	8
		Sep-Dec, 2020	Arch. Design	8
39	Kapil Mathur	Jan- April ., 2021	Arch. Design and Visual Arts & Basic Design	8
		Sep-Dec, 2020	Arch. Design, & ST & AR	12
40	Priyadarshini Kacker	Jan- April ., 2021	Visual Arts & Basic Design	

41	Abha kohli	Jan- April ., 2021	Visual Arts & Basic Design	3
		Sep-Dec, 2020	Visual Arts	3
42	Anupama Chatterjee	Jan- April ., 2021	Visual Arts & Basic Design	3
43	Manish Iyer	Jan- April ., 2021	Visual Arts & Basic Design	3
44	Urvi Khanna	Jan- April ., 2021	Visual Arts & Basic Design	6
		Sep-Dec, 2020	Visual Arts	11
45	Bilal Khan	Jan- April ., 2021	Visual Arts & Basic Design	6
		Sep-Dec, 2020	Visual Arts	3
46	Artika Aggarwal	Jan- April ., 2021	Computer Application	3
		Sep-Dec, 2020	Computer Application	5
47	Joy Mandol	Jan- April ., 2021	Computer Application	3
48	Atul Shekhar	Jan- April ., 2021	Computer Application	6
		Sep-Dec, 2020	Computer Application	3
49	Ashit Goyal	Jan- April ., 2021	Computer Application	3
50	Tanuj Biyani	Jan- April ., 2021	Computer Application	3
		Sep-Dec, 2020	Computer Application	3
51	Lalit Solanki	Jan- April ., 2021	Building Construction	9
52	Pawan Tandon	Jan- April ., 2021	Building Construction	9
		Sep-Dec, 2020	Building Construction	9
53	Md Pasha	Jan- April ., 2021	Building Construction	3
		Jan- April ., 2021	Electrification Lighting & Acoustic	2
		Sep-Dec, 2020	Building Construction & BS	9
54	Sanjay Mehra	Jan- April ., 2021	Building Construction	3
		Sep-Dec, 2020	Building Construction & EL & AR	10
55	Priyam Goswami	Jan- April ., 2021	Theory of Strcture	2
		Sep-Dec, 2020	Theory of Strcture	2
56	Sandal Kapoor	Jan- April ., 2021	Theory of Strcture, Arch Research Dissertation / Art Thesis	11
		Sep-Dec, 2020	PC & ST & AP & EL	13
57	Mukesh Jain	Jan- April ., 2021	Theory of Structures	2

		Sep-Dec, 2020	Theory of Structures	4
58	Saurabh Jain	Jan- April ., 2021	Theory of Structures	2
		Sep-Dec, 2020	Theory of Structures	2
59	Kailash Chand Yadav	Jan- April ., 2021	Theory of Structures	2
		Jan- April ., 2021	Theory of Structures	9
		Sep-Dec, 2020	Theory of Structures & AA	12
60	Maneck Tondan	Jan- April ., 2021	Electrification Lighting & Acoustic	2
61	Linus Lopez	Jan- April ., 2021	Electrification Lighting & Acoustic	2
62	Debashish Majumdar	Jan- April ., 2021	Architectural Design	8
		Sep-Dec, 2020	Architectural Design	8
63	Anand Dhote	Jan- April ., 2021	Arch. Design and Bldg. Const.	13
		Jan- April ., 2021	Building Construction	3
		Sep-Dec, 2020	Arch. Design & Building Construction	11
64	Gaurav Sharma	Jan- April ., 2021	Arch. Design, Architectural theories	9+2
		Sep-Dec, 2020	Arch. Design , & TOD & Art & Architectural Appreciation	10
65	Ravish Mehra	Jan- April ., 2021	Arch. Design	3
		Sep-Dec, 2020	Building Construction	4
66	Radhika Viswanatham	Jan- April ., 2021	Arch. Design ,	3
		Sep-Dec, 2020	Arch. Design & Building Construction	11
67	Shobhna Batra	Jan- April ., 2021	Building Construction	3
		Sep-Dec, 2020	Building Construction	3
68	Vijay Garg	Jan- April ., 2021	Arch. Design and Bldg. Const.	6
		Sep-Dec 2020	Building Construction	6
69	Manjari Khanna	Jan- April ., 2021	-	-
		Jan- April ., 2021	Building Science & Services	3
		Sep-Dec, 2020	Building Construction & BS	11
70	Dhiraj K. Khanna	Jan- April ., 2021	Building Construction	5
		Jan- April ., 2021	Building Construction	5
		Sep-Dec, 2020	Building Construction	3



71	Y K Jain	Jan- April ., 2021	Theory Structure	6
		Sep-Dec, 2020	Theory of Structures	4
72	Deepti Gupta	Jan- April ., 2021	Theory Structure	
		Jan- April ., 2021	Theory Structure	12
		Sep-Dec, 2020	Theory Structure	2
73	Ravindra Swaroop	Jan- April ., 2021	Theory of Structures	8
		Jan - May, 2018	-	-
74	Gaurav Shorey	Jan- April ., 2021	Green Sysytem Integration	2
		Sep-Dec, 2020	BS & ES & EL & AR	16
75	Varun Seth	Jan- April ., 2021	Specification & Contracts , Arch Research Dissertation/ Art Thesis	7
		Sep-Dec, 2020	AP & AP6	9
76	Shruti Maheshwari	Jan- April ., 2021	Specification & Contract	5
		Sep-Dec, 2020	AP	6
77	Alok Sahdev	Sep-Dec, 2020	AP	6
78	Balpreet Singh Madan	Jan- April ., 2021	Specification & Contract	2
		Sep-Dec 2020	AR	2
79	Thomas Mical	Jan- April ., 2021	Contemporary Architecture	2
80	Amit Khanna	Jan- April ., 2021	Architectural Theories	2
81	Prarthna Misra	Jan- April ., 2021	Art & Architectural Appreciation , Architectural Design	6
82	Amitabh Shrivastav	Jan- April ., 2021	Art & Architectural Appreciation	3
		Sep-Dec 2020	Art & Architectural Appreciation	6
83	Parul Walecha	Jan- April ., 2021	Arth & Architectural Apprecaition	12
		Sep-Dec 2020	Art & Architectural Appreciation	6
84	Sambuddha Sen	Jan- April ., 2021	Architecture Design thesis	10
		Sep-Dec 2020	Architecture Design	9
85	Amit Bahl	Jan- April ., 2021	Architecture Design thesis	10
86	Suneet Mohindru	Jan- April ., 2021	Architecture Design thesis	10

		Sep-Dec 2020	Architecture Design	9
87	Satish Kumar Khanna	Jan- April ., 2021	Architecture Design thesis	10
		Sep-Dec 2020	Architecture Design	9
88	Sandip Kumar	Jan- April ., 2021	Arch. Design	10
		Sep-Dec 2020	Arch. Thesis and Thesis Book & EL & Architecture Design	20
89	Rajeev Agarwal	Jan- April ., 2021	Arch. Design	10
		Sep-Dec 2020	Architecture Design	9
90	Sushil Aggarwal	Jan- April ., 2021	Arch. Design	10
		Sep-Dec 2020	Arch. Thesis and Thesis Book & Architecture Design & Building Construction	21
91	Amit Hajela	Jan- April ., 2021	Arch. Design	10
		Sep-Dec 2020	Architecture Design & TOD	11
92	Rahoul B. Singh	Jan- April ., 2021	Arch. Design	10
		Sep-Dec 2020	Architecture Design	9
93	Rahul Sen	Jan- April ., 2021	Arch. Design	10
		Sep-Dec 2020	Arch. Thesis and Thesis Book & Architecture Design & AR	8
94	M L Bahri	Jan- April ., 2021	Arch. Design , Arch Research Dissertation / Art Thesis	12
		Sep-Dec 2020	Building Construction & Architecture Design	12
95	Shiriesh Malpani	Jan- April ., 2021	Arch. Design	10
		Sep-Dec 2020	Architecture Design	9
96	B K Tanuja	Jan- April ., 2021	Arch. Design	10
		Sep-Dec 2020	Architecture Design	9
97	Vaibhav Dimri	Jan- April ., 2021	Arch. Design	10
98	Rajesh Dongre	Jan- April ., 2021	Arch. Design	10
99	P.R. Mehta	Jan- April ., 2021	Professional Practice	3
		Sep-Dec 2020	Architecture design	3
100	Kamal Raj Arora	Jan- April ., 2021	Professional Practice	2
		Sep-Dec 2020	AP	4

101	Tushar Agrawal	Jan- April ., 2021	Building Construction , Arch Research Dissertation / Art Thesis	8
		Sep-Dec 2020	AP	4
102	Anil Bhatia	Jan- April ., 2021	Arch Research Disseration/ Art Thesis	2
		Sep-Dec, 2020	Architectural Design	8
103	Tina Bali	Jan- April ., 2021	Arch Research Elective	8
		Sep-Dec, 2020	ES & Architecture Design & AR	12
104	Anuj Mittal	Jan- April ., 2021	Architectural Design	4
		Sep-Dec 2020	Architectural Design	4
105	Sanjay Bhardwaj	Jan- April ., 2021	Architectural Design	4
		Sep-Dec, 2020	Architectural Design	9
106	Deepti Gupta	Jan- April ., 2021	Arch. Design, Bldg. Mgmt. and Dissertation	13
		Sep-Dec, 2020	Architecture Design	9
107	Ashwani Kumar Datta	Jan- April ., 2021	Arch. Design	8
		Sep-Dec, 2020	Arch. Design & AR	11
108	Kinshuk Aggarwal	Jan- April ., 2021	Arch. Design	8
		Sep-Dec, 2020	Arch. Design	8
109	Tanay Banerjee	Sep-Dec 2020	Architecture Design	8
110	Parvat M	Sep-Dec, 2020	Contemporary Architecture	5
111	Shubhi Aggarwal	Sep-Dec, 2020	Contemporary Architecture	4
112	Prabha	Sep-Dec, 2020	Building Construction	3
113	Tanya Jaithalia	Sep-Dec, 2020	Building Construction	6
114	Prabha	Sep-Dec, 2020	Building Construction & ES & AP	7
115	Rajeev Mahajan	Sep-Dec, 2020	Building Construction	6
116	Kamini Singh	Sep-Dec, 2020	ST & PC	5
117	Alpna Rohatgi	Sep-Dec, 2020	PC	3
118	Nimit Gandhi	Sep-Dec, 2020	Architecture Design	8
119	Harsh	Sep-Dec, 2020	Architecture Design	8

	Vardhan Jain	Sep-Dec, 2020	Architecture Design	8
120	Bhaskar Aggarwal	Sep-Dec, 2020	Visual Arts	3
121	Satyakam Saha	Sep-Dec, 2020	Visual Arts	3
122	Roohan Segel	Sep-Dec, 2020	Visual Arts	3
123	Aditi Veena	Sep-Dec, 2020	Visual Arts	3
124	Nimit Gandhi	Sep-Dec, 2020	Contemporary Architecture	3
125	Shridhar Sudhir	Sep-Dec, 2020	Contemporary Architecture	3
126	Hemant Chhabra	Sep-Dec, 2020	Contemporary Architecture	3
127	Anurag Gogna	Sep-Dec, 2020	Contemporary Architecture	6

## 7. Details of the Studio Work Undertaken by Students

Semester/ Section	Title of the Studio Assignment and Brief Description
I A	<p>Understand the Principles of Design and Elements of Composition through various examples and exercises</p> <p>Various small exercises to develop skills of sketching, orthographic representations, anthropometry, drafting (by both computer and hand) and model making.</p> <p>Small exercises to understand design as a process. Develop and communicate effectively concepts and ideas through sketches, drawings and models.</p> <p>The culminating design exercise was to create a multipurpose co working space for a group of 4 within the architecture block campus using the principles of anthropometry. The space required individual working spaces, common discussion space and a model making space.</p>
I B	<p><b>Architectural Design Studio</b></p> <p>Part 1 : Course Essentials</p> <p>Part 2 : Overview of Design Projects</p> <p>Part 3: Detail of Design Projects</p> <p>Course Title: <b>Architectural Design</b></p>

	<p><b>THEME: SPATIAL EXPLORATION - I</b></p> <p>Course Objectives: Introducing basic principles of design, space articulation and architecture and the use of drawing as a communication tool for design information.</p> <p><b>Anticipated Learning Outcomes:</b> Ability to assemble simple spatial elements in articulated constructs and visually represent them through hand-made 2D drawings and models.</p> <p><b>Content:</b></p> <ol style="list-style-type: none"> <li>i. Concept of space, form and enclosure; principles of design like harmony, symmetry, scale and proportion etc. and their application to endow a quality to spaces and forms.</li> <li>ii. Exercises related to elements of design and perception of space.</li> <li>iii. Parameters of design, anthropometrics, human activity and the use of space.</li> <li>iv. Visual and tactile understanding of inter-relationship of form, structure and materials.</li> <li>v. Understanding nature as a contextual setting.</li> <li>vi. Design of a simple architectural form based on an understanding of anthropometrics.</li> <li>vii. Surface development of solids; Orthographic projection, measuring and drawing to scale;</li> <li>viii. Conventions of architectural drawing, practice of line-types, line-weights symbols, Lettering, rendering materials, textures, tones in pencil and pen-and-ink drawing. Model-making.</li> </ol>
I C	<p>To familiarize and orient the first year students to the creative studio environment in an architectural school through a series of <b>ice breaking exercises</b>. The exercises focused on introduction of the students to their own self and to their peers by expressing themselves through writing and drawing from memory/imagination.</p> <p>Improvement of drawing and writing skills through a series of short exercises on <b>lines and lettering</b> (free hand and drafted) which improves hand stability and coordination.</p> <p>Developing an understanding of <b>primary elements and principles of design</b> through a series of lectures, innovative design exercises and simple models.</p> <p>Understanding of planes and forms through <b>orthographic exercises</b>. <b>Anthropometrics</b> studies were undertaken to understand the human</p>

	<p>proportion, scale and the requirement of space for various human activities in a built form.</p> <p>The primary objective of the <b>final design module- volumetric exploration</b> was to understand the process of design reflecting on spatial perception and anthropometrics as a basis. This was done through systematic induction of a series of structured and incremental steps as part of the exercise, ensuring gradual but holistic comprehension. Application of learnings from the previous modules, including primary elements, anthropometrics, along with learning integration with other courses like computer application, workshop allowed a culmination of knowledge and skill in the project. Within a volumetric composition, the students designed a personal space with provision of a resting area, working area, a pantry for self and a small gathering space for maximum four people.</p>
II A	<p>Understanding perspective and sciagraphy and using it as a tool to represent ideas and various short exercises around it.</p> <p>Understand architecture as an assembly of various components and incorporated the learnings through an exercise with a solid cube with a dimension 6m and carve out a observation deck and utilizing the entire volume.</p> <p>The final design exercise for the semester included a solo retreat to spend a few days taking a break from ones regular schedule and pursue a hobby of one's choice apart from the spaces to sleep and eat. The retreat had to be built around a tree of one's choice and in any chosen context/location by the individual. The exercise aimed at testing the skills of observation, measurement, representation and drawing of built spaces through drawings and models.</p>
II B	<p><b>ARCHITECTURAL DESIGN STUDIO</b></p> <p>Course Objectives: Introducing Architectural Design as the ideation of a functional space crafted by robust elements in an aesthetic manner and exploiting 3D drawings as a medium of near-realistic representation of architectural intent.</p> <p>Anticipated Learning Outcomes: Ability to assimilate learning from Basic Design and Visual Arts, Building Construction and Structures and apply to an Architectural Design by weighing design choices, to draw insights from personal experience of surrounding environment, extract programmatic requirements therefrom and translate into a Design Concept to be expressed through hand-made 3D drawings and models.</p>

	<p>Content:</p> <ol style="list-style-type: none"> <li>i. Looking at the immediate built environment and understanding its major components. Understanding human scale in context of the built environment of varied scales and experiencing spatial quality.</li> <li>ii. Exercises relating personal experiences to behavioral needs and translating them into documented information that can be used as a basis for design.</li> <li>iii. Introduction to Architectural elements and space standards</li> <li>iv. Design of a basic shelter, an architectural form with a specific function.</li> <li>v. Representation of ideas through sketches, diagrams and architectural drawings with application of line quality, thickness and intensity as appropriate to the intent.</li> <li>vi. Isometric, axonometric, and oblique views.</li> <li>vii. One- and multi-point perspectives, sectional perspectives.</li> <li>viii. Light, Shade, Shadows and Sciagraphy.</li> </ol>
II C	<p>To understand the idea of space and scale through an exercise on 'Measured <b>Drawing of your own house</b>' represented through a series of drawings- mind map, dimensioned drawings and rendered drawings. Understanding <b>perspective</b> (one point and two point) and <b>sciagraphy</b> through short exercises to use it in drawings to depict depth and various details.</p> <p>The final exercise of the studio focussed on design of a <b>beach side café</b> in Goa, which can act as an experience in itself with integration of the built form with the surrounding topography, landscape and view of the sea. Students explored a contoured site, examined its strengths and limitations and developed a concept as per the given requirements- indoor and outdoor seating, supporting facilities, a beach interface area along with necessary infrastructure. Emphasis was on understanding the process and evolution of design.</p>
III A	<p><b>Architectural Design Studio</b></p> <p>Studio Brief: The 16 week online program was based on understanding of intangible experiences of space. Through a dialectic process of negotiating inter-relations between body, space and form; the studio started with analysing everyday spaces of use and the activities carried out in them. This 'everydayness' of spatial use was carried forward into an understanding of the vernacular through the perspective of an identified social actor in the given context. These understandings lead to a process of proposing an intervention informed by the proposed</p>

	<p>intangibles along with other elements of site, context, materiality and program.</p> <p>The first project included identification of any 2 feelings and then students were asked to propose a POD to be attached to their existing abode accommodating the 2 activities and in response to the given feelings. The design of the pod also explored an understanding of materiality, scale, colour, texture, form, play of light, ventilation, and any other important aspects.</p> <p>The pandemic posed a limitation to the vernacular study where physical study was not possible. To negotiate this limitation, Stage 2 of the design studio included an understanding of Vernacular through a social actor. The students were asked to identify an uncle/aunt/cousin/grandparent or any other family relative as a social actor who belongs to a vernacular setting. A peek into the life of the social actor was intended to facilitate an understanding of the lifestyle, culture, language, values, food habits, arts and other facets in a vernacular setting. The method included telephonic interviews and conversations, collecting anecdotes and historical narratives, photographs, drawings, maps or sketches. An analysis of the spatial setting within which the daily cycle revolves became the focus of the study. Through this documentation various students belonging to the same region were clubbed together in groups and were encouraged to discuss the findings of a particular vernacular setting.</p>
III B	<p><b>ARCHITECTURE DESIGN STUDIO</b></p> <p><b>Theme: Residential &amp; Vernacular Architecture</b></p> <p>This semester was divided into 5 exercises which were connected to each other and focused on the last and final exercise, Extension of a House.</p> <ul style="list-style-type: none"> <li>• Exercise 1: Study of Houses Designed By Different Architects All Over The World</li> <li>• Exercise 2: Study of Individual Houses Exploring Mental Mapping</li> <li>• Exercise 3: Personalized Future Workstation (Post Covid -19)</li> <li>• Exercise 4: Vernacular Interpretation of Individual House</li> <li>• Exercise 5: Extension To Individual Houses</li> </ul>



	<p><b>ARCHITECTURE DESIGN STUDIO</b></p> <p><b>Theme: Theme: Site And Context</b></p> <p><b>Exercise 1:</b> The focus of the semester is to introduce students to the theme of site planning and context of a public building through the design of a Visitor's Center. The students participated in a short duration design competition and the brief of the competition is used as the foundation of the project and is adjusted to align it with the requirement of the semester.</p>
III C	<p><b>Project 1: Design of a Residence (for a Lawyer/Artist) – <i>Shaping a Space to Place</i></b></p> <p>The objectives of the project were: -</p> <ul style="list-style-type: none"> <li>- To work out the area programme as per the broad description of client's requirements.</li> <li>- To understand the site and climatic context and analyse its potential as well as limitations.</li> <li>- To conceptualise and work towards design solution with continual approach.</li> <li>- To deliver the architectural design solution that transforms a Space to a timeless Place.</li> </ul> <p><i>“Architecture arouses sentiments in man. The architect's task therefore, is to make those sentiments more precise”</i></p> <p style="text-align: right;"><i>Adolf Loos</i></p> <p>Architecture of a Residence must be contemplated and designed in a manner which satiates the human expectations of enhancement in well-being, functionality, comfort and quality of life. A Space can be transformed into a Place through designing which enables the user to develop memory association, identity and emotion with the setting/environment. As architects' students were expected to give a design solution which responded to the tangible and intangible needs and expectations of the client.</p> <p>The site was given close to the SPA campus (next to SPA hostel), as students were familiar with the location, approach, context and climatic parameters of that site.</p> <p><b>Project 2: Design of a Cafeteria in Vernacular Setting</b></p> <p>Students were given the project of designing a cafeteria in the vernacular setting, which they had visited in the previous semester (pre-Covid times). The design of cafeteria with a seating design of 30 indoors and 30 in outdoors, was expected as a response to the vernacular context.</p>

IV	<p><b>Studio Brief</b></p> <p>The 16 week online program comprised of 2 stages. The first stage involved design development of a residential building. In continuity of the students' previous semester's concept design of a residence, set in a vernacular context, this stage involved the architectonic study and detailing of the residence based on a given set of parameters.</p> <p>The second stage involved understanding of a historic context and designing a group of buildings as a response to the given context. This semester a student design competition was taken up within the studio to fulfil this objective. The challenge was to conceptualise and design a new 2021 Bauhaus Campus. An educational space where the status quo of architecture can be challenged and where new ideas and solutions can be explored. Students were encouraged to work in groups and also prepare their entries for the competition.</p> <p>The studio process involved understanding the philosophy of Bauhaus and developing an overall vision. Based on which the students were asked to explore 4 kinds of spaces, spaces for <b>contemplation, rejuvenation, consumption and interaction</b>. This was followed by understanding the site and program and extracting the spatial principles as explored in developing the campus design. The final stage involved a development of the architectonics of the design including spatial planning, structural systems, materiality, facade and services.</p>
IV C	<p><b>B.Arch. 2<sup>nd</sup> Year, Semester 4, Section – C (Jan. 2020-May 2020)</b></p> <p><b><u>Project 1: Design of a Crafts Centre, New Delhi</u></b></p> <p>Art and culture of a country enrich the lives of its citizens by corresponding to their needs, heritage and lifestyle. Arts and Crafts are a part of cultural heritage of all people and needs to be preserved and promoted in current times since the technological advances have engulfed the handicrafts and its creators. Arts and crafts, which were taken up as a part time activity in rural India, have developed national as well as global appeal. It has the potential to contribute to the country's flourishing economy due to rising demand over the years. In view of huge potential of Art and crafts in sustaining existing set of millions of artisans/ artists, and also to facilitate and train the large number of aspirants, centres are being proposed pan India, which aim to streamline the training and showcasing of arts and crafts. With this aim, the students were given this project to design a crafts centre in New Delhi.</p>

	<p>The selected site for the design intervention was taken as the existing site for the Gandhi Museum abutted by two major city roads – MG Road (Ring Road) on the east and Jawaharlal Nehru Marg on the north. Students were allowed to demolish/remove the existing G+1 museum building but relocate it anywhere within the site with the same built up massing.</p> <p><b>Project 2: Designing the “In-between Spaces”</b></p> <p>Defining a space into inside and outside actually marks the position of a human in the environment. Since prehistoric times, architecture had more inclination towards enhancing the importance of shelter and habitation in the inside over the utilization of natural environment which existed outside. But as more and more living spaces were designed, the importance and relation of inside and outside was realised and the concept of design of “In-between spaces” was introduced to facilitate seamless movement from one zone to the other.</p> <p>Since the Inside and Outside spaces do not exist without each other, and in fact change the way users use and perceive a space; therefore, this project is aimed for exploration of the relation of inside and outside; and detailing of the In-between spaces in the first design project of Crafts Centre. The proposal must <b>Enhance, Accentuate</b> and <b>Complement</b> the adjacent structures.</p> <p>Students had to choose the Site Plan of Crafts Centre designed as the first project in the semester and do detailed design of the In-between Spaces of the design proposal.</p>
V	<p><b>Solar Decathlon India- Student Competition</b></p> <p>Solar Decathlon India competition is for post graduate and undergraduate students from Indian institutions to join forces to combat Climate Change. This is an opportunity for student teams to design net-zero-energy-water-waste buildings, contributing to real projects, while partnering with the leaders in real estate development. Solar Decathlon India helps students stay a step ahead and introduce innovative and affordable market-ready solutions. This is the resilient and carbon-neutral way forward for our sustainable buildings and communities.</p> <p>Solar Decathlon India is conducted by the Indian Institute for Human Settlements (IIHS) and the Alliance for an Energy Efficient Economy (AEEE) under the aegis of the Indo-US Science and Technology Forum (IUSSTF).</p> <p>In the 2020-2021 Solar Decathlon India Challenge, participating teams</p>

designed buildings in one of the four Divisions: Multifamily Housing, Educational Building, Office Building, Community Resilience Shelter Designs had to comply with byelaws, codes, and standards and strive to meet special requirement of the real estate partner. Students need to work to excel in the following Ten Decathlon Contests; Energy Performance; Water Performance; Resilience; Affordability; Environmental Quality and Comfort; Scalability and Market Potential; Architectural Design; Engineering Design and Operations; Innovation; Presentation Students need to demonstrate progress in all 10 contests. This will enabled students to approach building design in an all-encompassing manner. Student teams need to design affordable net-zero-energy-water-waste buildings for real building projects by partnering with developers, clients, or others in the real estate sector. The solutions have to result in design and technology innovations that will transform buildings, years into the future.

#### TYPOLOGY/PROJECT DETAILS:

##### 1. **MULTI FAMILY HOUSING:**

Dhun JAIPUR Pvt Ltd. is a non-government company in JAIPUR, RAJASTHAN, which is involved in renting of construction /demolition equipment. In this project, the client aspires to create an egalitarian neighbourhood for the support staff of DHUN, which should comprise of living, working, LEARNING & RECREATIONAL spaces with a self-sufficient environment that will cater to people from varied cultures and economic groups .

An area of 19000 m<sup>2</sup> is assigned for housing 150 FAMILIES (MAX.). The entire area is further divided into 3 zones (50 FAMILIES EACH) by an interesting system of swales in the master plan. The units will be a combination of 1BHK AND 2BHK units with variations in occupant numbers from 2-4 as described by the project PARTNER.

##### 2. **INSTITUTION BUILDING:**

**Project Partner** : Under Mango Tree

**Location** - Urgos, Himachal Pradesh, in the Lahaul range of the Himalayas.

**Climate Zone** – Cold and Dry Site area- 6000 m<sup>2</sup>, Estimated Total Built-up area- 994 m<sup>2</sup>

The project aims to serve a wide range of stakeholders - students of different age groups, different organisations which are active in the

village and people who are coming into the village. There are three distinct requisites to provide for - education, skill transfer and winter respite. The school provides education, of conventional nature, for the children in the age group 5-17, a small Anganwadi component and a skill transfer facility.

An e-learning facility to augment the skills, education, to utilise the advanced technology will also be a part of the school for the children, the adults and the community at large. A small facility of accommodation, for the various guest lecturers and instructors is also to be provided. This can also temporarily serve for students and teachers during extreme weather conditions in winter when travelling are dangerous.

### 3. OFFICE BUILDING:

**Project Partner** - Galaxy rice mills, Karnal, Haryana, **Location** - Karnal, Haryana, India., **Climate Zone** - Composite

The site is a 25 acres existing rice mill property. The office building for Galaxy International, a leading exporter of rice, is to be constructed to house the managing partners and 150 working staff. The building should be a landmark project as it puts Galaxy International Rice mill on a global stage. The building should be a value addition to the brand name with a commitment to sustainability and Net Zero design principles.

### 4. COMMUNITY RESILIENCE SHELTER:

**Project Partner** – Samarpan Foundation **Location** - Yamuna river bank, Delhi, India **Climate Zone** - Composite

A community resilience shelter will be used for emergency evacuation during extreme weather events like cyclones, floods, and earthquakes. These may continue to shelter disaster-affected people until they rebuild their homes and livelihoods. It is also expected to house community service activities such as education, health training, and income-generating social functions. Such a shelter will be managed and owned by the communities in the long term. The multipurpose community resilience shelter with its various uses may ultimately become a 'community asset/ resource' and create a broader impact on the livelihood of the community. These are relevant in the current Covid-19 crisis and could serve as isolation centers at the community level. Net-zero-energy-water solutions for these buildings will make them more resilient.

	<p><b>ARCHITECTURAL DESIGN</b>  <b>Semester: V &amp; VI</b></p> <p>The syllabus for the /first semester of the IIIrd year B.Arch program entails the following content in its points:</p> <ul style="list-style-type: none"> <li>• Introduction of passive solar design strategies and their application in urban buildings in a given climatic zone</li> <li>• Introduction to development controls, codes and bye-laws, universal access &amp; barrier-free design for buildings.</li> </ul> <p>For the above a design exercise is suggested that could involve- 'Design of a multifunctional public building set in the context of the study. The engagement should help comprehension of program development and design methodology, with articulation of a multi-use and multi-user program focusing on programmatic relationship, site and the context as a moderator of urban space.'</p> <p>In addition the second semester calls for the following :</p> <ol style="list-style-type: none"> <li>i. Design of a medium to high-rise building in a dense urban setting. The problem should attempt to bring out a comprehension of the framework that outlines a building interior, the structural system and the services core, and the relation of this interior with the exterior environment through the building skin.</li> <li>ii. The project should be of high services complexity with mechanical systems for air-conditioning, parking and other services, and include the integration of active energy systems.</li> </ol> <p>The project should be seen as a culmination of understandings for conceptualization and realization of individual building design.</p>
VI A	<p><b>Project option 1-office design Typology-</b> commercial  <b>Site area :</b> 8,000.00 sq m (2 acres) <b>Client-</b> galaxy rice mills, karnal, Haryana <b>Location-</b> karnal, haryana, india.  <b>Climate zone-</b> composite  <b>Intent</b> -Galaxy International Rice mill, Karnal, Haryana wants to create a 20 storey high rise building with a commitment to sustainability. The building should be a landmark project as it puts Galaxy International Ricemill on a global stage. The building should be a value addition to the brand name.  The project brief intends to create a bio-climatic skyscraper which adheres to ECBC and Green Building Rating standards with a goal to achieve the minimum EPI(Energy Performance Index) of 60 suggested in ECBC. The facade blanket on the building should provide shading,</p>

thermal comfort to the users. However, in doing so, the view should not get compromised and user shall be given the option to enjoy the view outside.

The facade needs to address controlled natural ventilation. An occupant load of 8m/sq shall be considered for Office buildings according to NBC. It shall also consider the urban context and avoid over-shadowing on the urban footprint. Day lighting and Insulation analysis should accompany the project design. The design can also take advantage of the waste generated at site and come up with an innovative facade system.

While going vertically, structure becomes of prime importance. Stability of materials like wood, concrete, steel and others can be looked into while considering the wind and earthquake load on the building. The total built up area shall be 2,00,000 - 2,25,000 sqft (20,000-2,2500 sqm) with 30% core area included. The floor plate size and shape can be analysed keeping these above factors in mind.

**Project option 2-** rural skill development center **Typology-** institutional  
**Site area :** 8,000.00 sq m (2 acres) **Client-** dhun jaipur pvt ltd. Far 1.2 max height 15 mts **Location:** dhun, jaipur, rajasthan. **Climate zone-** hot and dry.

Rajasthan, like most other states in India, has a rich and glorious tradition. It has over the centuries developed and perfected many craft and processing techniques and skills that are reflective of region, the climate, the materials locally available and also the Culture. This makes these Skills extremely sustainable. Unfortunately, with the advent of modernism these Skills are dying out.

There is also a big problem of Unemployment. The trend is to get “educated” and look for white collared jobs, which are not in adequate supply.

The Aim of the Project is to design a centre to Impact Training and Skill Upgradation of Rural Youth, especially Women, geared towards entrepreneurship development, and to help them in their effort to attain self-reliance , improve the Quality of their of their lives and thereby enhance their contribution to the society and overall development of the region.

The Intention is to have a facility for up-gradation in skilling, up-skilling and re-skilling of New as well as Traditional techniques and skills. This will help not only sustain, but revive many vernacular skills that may be dying, as also make them relevant in todays’ times.

The Centre should provide all round development of Vocational skills as well as basic education, including knowledge of processing, accounting and marketing.



	<p>The Built form should reflect the context and The Community, with special emphasis on Sustainability.</p> <p>The Centre have Spaces for</p> <ol style="list-style-type: none"> <li>1. Administration (Offices for running of the Centre, Counselling and Project Consultancy, Faculty Facilities etc)</li> <li>2. Academics ( Class rooms, Workshops, Libraries, Labs etc)</li> <li>3. Residential (Housing for Guest Faculty, students Hostel, support Staff)</li> <li>4. Recreation ( Sports, games, Cafeteria, amphitheatre etc)</li> <li>5. Retail (exhibition /shops/ interphase with the market)</li> </ol>
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## 8. List of Thesis Topics

S.No.	Roll No.	Name of the Student	Thesis Topic	Thesis Guide(s)
1	A/2899/2016	Aman Sahu	Kashitva : City Interpretation Center, Varanasi	Mr. Sambuddha Sen Mr. Sushil Agarwal
2	A/2897/2016	Abhishek Manraj	Socio Cultural Art Centre, Twin District Centre, Rohini, New Delhi	Mr. Sambuddha Sen Mr. Sushil Agarwal
3	A/2916/2016	E S Shruthi Siva	Little Steps': An Inclusive School, Sriperumbadur, Tamil Nadu	Mr. Sambuddha Sen Mr. Sushil Agarwal
4	A/2918/2016	Gayatri Jain	Mixed-used Cruise Terminal, Mormugao, Goa	Mr. Sambuddha Sen Mr. Sushil Agarwal
5	A/2958/2016	Palak Verma	Sultan Garhi Cultural and Recreational Hub	Mr. Sambuddha Sen Mr. Sushil Agarwal
6	A/2965/2016	Prerna Singh	Arrival City : Migration Facilitation Hub	Mr. Sambuddha Sen Mr. Sushil Agarwal

7	A/2966/2016	Raghav Mathankar	Chhattisgarh Vidhan Sabha, Naya Raipur	Mr. Sambuddha Sen Mr. Sushil Agarwal
8	A/2973/2016	Santrupthy Das	The Dialogical Milieu: In situ Slum Rehabilitation of Mohammadpur Slum	Mr. Sambuddha Sen Mr. Sushil Agarwal
9	A/2991/2016	Tanya Sahdev	Shelter Beyond Structure: Redevelopment of the Nirmal Chhaya Complex	Mr. Sambuddha Sen Mr. Sushil Agarwal
10	A/2997/2016	Vibhuti Kathpalia	Retirement Hub: Mixed-use Senior Living, Dwarka	Mr. Sambuddha Sen Mr. Sushil Agarwal
11	A/2896/2016	Abhishek Anand	Sustainable & Green Hospital (375 Bedded District Hospital, Dwarka)	Dr. Mandeep Singh Mr. Amit Bahl
12	A/2903/2016	Anurag Saini	Stilted Community	Dr. Mandeep Singh Mr. Amit Bahl
13	A/2813/2015	Guntuku Hari Prasad	Amaravati International Cricket Stadium (AICS)	Dr. Mandeep Singh Mr. Amit Bahl
14	A/2921/2016	Himalaya Keswani	Revival of Cultural & Social Heritage of Ajmer - A socio-cultural tourist hub in the heart of Rajasthan	Dr. Mandeep Singh Mr. Amit Bahl
15	A/2923/2016	Himanshu	Riverfront cultural centre, Kanpur Uttar Pradesh	Dr. Mandeep Singh Mr. Amit Bahl
16	A/2932/2016	Ashwith Koyyala	IT Hub - reDefining IT Spaces, Chimbél - Goa	Dr. Mandeep Singh Mr. Amit Bahl
17	A/2934/2016	Kshetrimayum Dhanraj Singh	Khwairemband Keithel : Market Redevelopment, Imphal, Manipur	Dr. Mandeep Singh Mr. Amit Bahl
18	A/2837/2015	Megha Narula	Redevelopment of Patna Junction Railway Station, Patna	Dr. Mandeep Singh Mr. Amit Bahl

19	A/2961/2016	Parul Nayar	Reimagining Ageing: Mixed-use Senior Living Community, Dwarka	Dr. Mandeep Singh Mr. Amit Bahl
20	A/2962/2016	Pavani Gupta	Digital Habitat: Live, Work, Learn & Play, Gurugram, Haryana	Dr. Mandeep Singh Mr. Amit Bahl
21	A/2979/2016	Shraddha Malhotra	Third Place: Binding Communities - Community Place Design, Punjabi Bagh, Delhi	Dr. Mandeep Singh Mr. Amit Bahl
22	A/2881/2015	Tanmay Karan	Museum of Architecture in Post Independence India, Chandigarh	Dr. Mandeep Singh Mr. Amit Bahl
23	A/2909/2016	Ayushi Saxena	Contemporary Expression of Tradition- International Convention Centre, Jodhpur	Dr. Aruna R Grover Prof. Satish Khanna
24	A/2911/2016	Bharati Gupta	Ar Treat: An Artist's Hub, Vasant Kunj	Dr. Aruna R Grover Prof. Satish Khanna
25	A/2915/2016	Emily Lalhminghlui	Modernity in Tradition : Reflection on Music Centre, Mizoram	Dr. Aruna R Grover Prof. Satish Khanna
26	A/2927/2016	Jigme Ngedup	National Service Academy, Sarpang, Bhutan	Dr. Aruna R Grover Prof. Satish Khanna
27	A/2967/2016	Rajdeep Sutradhar	Multimodal Transit Hub, Pune, Maharashtra	Dr. Aruna R Grover Prof. Satish Khanna
28	A/2978/2016	Shivani Badola	Expression of culture through architecture: performing arts center, gurugram sector 53	Dr. Aruna R Grover Prof. Satish Khanna
29	A/2980/2016	Shruti Misra	Wellness community for Seniors: Senior Living in Varanasi, Uttar Pradesh	Dr. Aruna R Grover Prof. Satish Khanna

30	A/2996/2016	Varad Singhal	Energy Efficient Commercial Hub, Dwarka	Dr. Aruna R Grover Prof. Satish Khanna
31	A/2894/2016	Abhay Singh Saini	Queer Community Center and Transitional Housing, Lado Sarai, New Delhi	Dr. Ranjana Mital Mr. Sandip Kumar
32	A/2680/2014	Arnab Swargiary	Organic retreat : A campsite resort, Dirang, Arunachal Pradesh	Dr. Ranjana Mital Mr. Sandip Kumar
33	A/2912/2016	Daddera Suraj Suresh	Agra Museum, Agra	Dr. Ranjana Mital Mr. Sandip Kumar
34	A/2810/2015	Gannamaneni Sai Manaswini	Bharosa: Support Centre for Women and Children, Hyderabad	Dr. Ranjana Mital Mr. Sandip Kumar
35	A/2827/2015	Madhan Kumar K	[Re]claiming connectivity: Adaptive reuse of Indraprastha power station	Dr. Ranjana Mital Mr. Sandip Kumar
36	A/2945/2016	Mugdha Rastogi	Line of Light: Light Museum and Energy Centre, Bangalore	Dr. Ranjana Mital Mr. Sandip Kumar
37	A/2950/2016	Nagubilli Greeshmika	Reinterpretation of Dr. B.R Ambedkar University for Inclusivity, Etcherla, Srikakulam, Andhra Pradesh	Dr. Ranjana Mital Mr. Sandip Kumar
38	A/2951/2016	Nancy	Karna Nagri: A Tourism Centre, Karnal, Haryana	Dr. Ranjana Mital Mr. Sandip Kumar
39	A/2862/2015	S.Venkatesh	Museum of knowledge, Capitol Complex, Chandigarh	Dr. Ranjana Mital Mr. Sandip Kumar
40	A/2982/2016	Shubhi Goyal	Re-interpreting Kathmandu: A Test Case for a Mixed Use Development in the Upcoming New Town	Dr. Ranjana Mital Mr. Sandip Kumar
41	A/2999/2016	Vignesh S Pillai	Waterfront Artists' Hub at Willingdon Island, Kochi	Dr. Ranjana Mital Mr. Sandip Kumar
42	A/2890/2016	A S Saaral	Vertical Eco Society : Urban agriculture integrated mixed use development, Rohini sec-18	Mr. Rajeev Agarwal Mr. Suneet Mohindru
43	A/2892/2016	Aanchal Khandelwal	International Center for Public Interest, Jaipur	Mr. Rajeev Agarwal

				Mr. Suneet Mohindru
44	A/2902/2016	Anu Goyal	Orphange Design, Kirtipur, Nepal	Mr. Rajeev Agarwal Mr. Suneet Mohindru
45	A/2917/2016	Gargi Gambhir	University Architecture- Designing a Campus for Ambedkar University, Delhi	Mr. Rajeev Agarwal Mr. Suneet Mohindru
46	A/2924/2016	Hritvik Sahu	Vertical City - Mixed use skyscraper, Noida	Mr. Rajeev Agarwal Mr. Suneet Mohindru
47	A/2818/2015	Janhabi Seth	City Centre, Dwarka sector 11, Delhi	Mr. Rajeev Agarwal Mr. Suneet Mohindru
48	A/2926/2016	Jayanavee naa P	Plug and Play Matrix : Coliving and coworking vertical ecosystem for millennials, Noida Sector 94	Mr. Rajeev Agarwal Mr. Suneet Mohindru
49	A/2933/2016	Kritiika Anand	Extension of the Bhau Daji Lad Museum	Mr. Rajeev Agarwal Mr. Suneet Mohindru
50	A/2839/2015	Migom Doley	Guwahati Sports Village: Centre of Excellence for Olympic Sports, Guwahati	Mr. Rajeev Agarwal Mr. Suneet Mohindru
51	A/2957/2016	Oorja Arora	StuDwell: Students' Housing at Sector 38, Chandigarh	Mr. Rajeev Agarwal Mr. Suneet Mohindru
52	A/2987/2016	Souparna Chanak	New Media Art Museum, New Town Rajarhat	Mr. Rajeev Agarwal Mr. Suneet Mohindru
53	A/2893/2016	Aarushi Sharma	Socio-Cultural Center at Gurugram, Haryana	Prof. Manoj Mathur Mr. Shiriesh Malpani

54	A/2898/2016	Amala Babu	Permanent Refuge: A Disaster Resilient Mixed Housing Redevelopment, Chellanam, Kerala	Prof. Manoj Mathur Mr. Shiriesh Malpani
55	A/2900/2016	Anandita Kaur Narula	South Asian Design Arts and Technology Kendra, Vasant Kunj Delhi	Prof. Manoj Mathur Mr. Shiriesh Malpani
56	A/2910/2016	B Kiruthika	Goubert Market redevelopment, Puducherry	Prof. Manoj Mathur Mr. Shiriesh Malpani
57	A/2919/2016	Gurrapu Sada Shiva Shafi	Bus Terminal complex, Hanamkonda, Warangal	Prof. Manoj Mathur Mr. Shiriesh Malpani
58	A/2964/2016	Pragya Kher	Center for Folk art and heritage, Amritsar	Prof. Manoj Mathur Mr. Shiriesh Malpani
59	A/2971/2016	Ruthwik Sai Busam	Kalabharathi Cultural Center at Hyderabad, Telangana	Prof. Manoj Mathur Mr. Shiriesh Malpani
60	A/2864/2015	Sarvesh Kumar Maurya	Design for Disassembly: A Socio-Cultural Centre in Rohini Sector-10 Delhi	Prof. Manoj Mathur Mr. Shiriesh Malpani
61	A/2744/2014	Sayfu Shayir A J	Global Ayurveda Village, Trivandrum	Prof. Manoj Mathur Mr. Shiriesh Malpani
62	A/2885/2015	Vanya Jain	Central Market Redevelopment, Sarojini Nagar, Delhi	Prof. Manoj Mathur Mr. Shiriesh Malpani
63	A/2774/2014	Vivek Jain	Learning And Entertainment Space, IIT Jodhpur	Prof. Manoj Mathur Mr. Shiriesh Malpani
64	A/2901/2016	Aniket Verma	National Institute of Fashion technology, Panchkula	Prof. Moti Lal Bahri



			(Haryana)	Mr. Rahul Sen
65	A/2904/2016	Ashish Aggarwal	Affordable Housing, Janakpuri, New Delhi	Prof. Moti Lal Bahri Mr. Rahul Sen
66	A/2913/2016	Disha Garg	Sub-district centre at Hari Nagar, Delhi	Prof. Moti Lal Bahri Mr. Rahul Sen
67	A/2920/2016	Harsh Bhati	National Museum of Architecture, Delhi	Prof. Moti Lal Bahri Mr. Rahul Sen
68	A/2928/2016	Kajal Aggarwal	Centre for Community Development: Community centre, Punjabi Bagh, New Delhi	Prof. Moti Lal Bahri Mr. Rahul Sen
69	A/2939/2016	Mansanjam Kaur	Mixed use Convention centre, IT city, Mohali, Punjab	Prof. Moti Lal Bahri Mr. Rahul Sen
70	A/2941/2016	Milind Karsoliya	National Institute of Fashion Technology, Bhopal	Prof. Moti Lal Bahri Mr. Rahul Sen
71	A/2948/2016	Muskan Garg	Indian Institute of Crafts and Design, Jaipur	Prof. Moti Lal Bahri Mr. Rahul Sen
72	A/2949/2016	Nabh Hirwani	Business Centre Redevelopment, Gunj Mandi, Raipur	Prof. Moti Lal Bahri Mr. Rahul Sen
73	A/2960/2016	Paraz Sonowal	Srimanta Sankardev Museum, Guwahati	Prof. Moti Lal Bahri Mr. Rahul Sen
74	A/2968/2016	Rajita Jain	Cultural Complex, Gurugram Sector 53	Prof. Moti Lal Bahri Mr. Rahul Sen
75	A/2786/2015	Adyathan Dasyapu	AVGC Incubation center for multimedia startups, Hyderabad, Telangana	Dr. Jaya Kumar Ms. Tanuja BK
76	A/2931/2016	Kathula Ankith	Telangana Cultural Centre, Hyderabad, Telangana	Dr. Jaya Kumar Ms. Tanuja BK
77	A/2935/2016	Kutcherlapati Jayanth Varma	The School - KFI, Visakhapatnam, Andhra Pradesh	Dr. Jaya Kumar Ms. Tanuja BK
78	A/2937/2016	Maddi Vamsi	Convention centre at	Dr. Jaya Kumar

		Krishna	Visakhapatnam, Andhra Pradesh	Ms. Tanuja BK
79	A/2959/2016	Paras Girdhar	Redevelopment of Housing Colony, AIIMS West Campus, Ansari Nagar	Dr. Jaya Kumar Ms. Tanuja BK
80	A/2970/2016	Rohin Sikka	Re-imagining Museum Spaces : National Museum of Natural History, New Delhi	Dr. Jaya Kumar Ms. Tanuja BK
81	A/2972/2016	Sanjal Maru	Malwa Textile Museum and Cultural Centre, Indore	Dr. Jaya Kumar Ms. Tanuja BK
82	A/2868/2015	Shamim Ahmad	Swadesh Darshan - A Cultural Interpretation Centre, Bodhgaya	Dr. Jaya Kumar Ms. Tanuja BK
83	A/2889/2015	Yatharth Gupta	Cultural Center at Man Sagar Lake, Jaipur	Dr. Jaya Kumar Ms. Tanuja BK
84	A/2906/2016	Ashwini Kumar	Socio- Cultural Centre, Sector 10, Rohini, New Delhi	Dr. Amit Hajela Mr. Rajesh Dongre
85	A/2806/2015	Divyank Raj	Football stadium, Dehradun	Dr. Amit Hajela Mr. Rajesh Dongre
86	A/2938/2016	Mani Kumar Chhetri	150 Bedded Regional Referral Hospital, Bumthang, Bhutan	Dr. Amit Hajela Mr. Rajesh Dongre
87	A/2943/2016	Mohammad Lukman Khan	National Institute of Fashion Technology, Bareilly	Dr. Amit Hajela Mr. Rajesh Dongre
88	A/2944/2016	Mondal Devjaneer	Indian Institute of Management, Nagpur, Maharashtra: Designing campuses for the 21st century	Dr. Amit Hajela Mr. Rajesh Dongre
89	A/2841/2015	N M Aravindh	Bridging Binaries: A Commercial Mixed Use Development, Connaught Place, New Delhi.	Dr. Amit Hajela Mr. Rajesh Dongre
90	A/2956/2016	Noeen Fatma	Centre for Promotion of Local Crafts and Culture, Balaghat, MP.	Dr. Amit Hajela Mr. Rajesh Dongre
91	A/2850/2015	Pankaj Kumar	Sainik School Amethi UP	Dr. Amit Hajela Mr. Rajesh Dongre

92	A/2984/2016	Simar Paul	Old Age Home & Orphanage : Towards a symbiotic environment, Faridabad	Dr. Amit Hajela Mr. Rajesh Dongre
93	A/2986/2016	Smriti Guglani	Re-imagining Cancer care- A 200 bedded Oncology Hospital with a 100 bedded Rehabilitation and Hospice Center in Chandigarh	Dr. Amit Hajela Mr. Rajesh Dongre
94	A/2768/2014	Uddipta Kumar Boruah	World Trade Centre, Guwahati, Assam	Dr. Amit Hajela Mr. Rajesh Dongre
95	A/3000/2016	Wahaj Akhtar Abedeen	Resilient & Antifragile Architecture: A 200 bedded Green Healthcare Architecture, Dwarka Sector-9, New Delhi	Dr. Amit Hajela Mr. Rajesh Dongre
96	A/2668/2014	Abrar Ahmed Zargar	Eco resort at Shey, Ladakh.	Mr. Rahoul B Singh Mr. Vaibhav Dimri
97	A/2925/2016	Jahanvi Nahata	Sanghiya Sansad Bhawan, Nepal	Mr. Rahoul B Singh Mr. Vaibhav Dimri
98	A/2823/2015	Kumar Shivam	Eco Retreat Hub, Gopalpur, Odisha	Mr. Rahoul B Singh Mr. Vaibhav Dimri
99	A/2835/2015	Md Tausif Alam	5-Star Hotel, Patna Bihar	Mr. Rahoul B Singh Mr. Vaibhav Dimri
100	A/2714/2014	Monu Kumar	Mithila Kala Kendra, Saurath, Madhubani, Bihar	Mr. Rahoul B Singh Mr. Vaibhav Dimri
101	A/2840/2015	Mukul Verma	MotorSport Retreat, Buddh International Circuit, Greater Noida	Mr. Rahoul B Singh Mr. Vaibhav Dimri
102	A/2954/2016	Namitha Niji	Thekkumbad Cultural Village, Kannur, Kerala	Mr. Rahoul B Singh Mr. Vaibhav Dimri
103	A/2976/2016	Sheena Jain	Tourism Facility, Mansagar Lakefront, Jaipur	Mr. Rahoul B Singh Mr. Vaibhav Dimri
104	A/2977/2016	Shiba Das	Bagdogra International Airport, Bagdogra, West	Mr. Rahoul B Singh

			Bengal, India	Mr. Vaibhav Dimri
105	A/2994/2016	Vaibhav Saini	Cultural and Exhibition Center, Sabarmati Riverfront, Ahmedabad, India	Mr. Rahoul B Singh Mr. Vaibhav Dimri
106	A/3005/2016	Yugaank Farigh	Spirituality through Architecture - Meditation Centre, Ahmedabad, Gujarat	Mr. Rahoul B Singh Mr. Vaibhav Dimri

### 9. Details of Ph.D. Thesis Topics

S.No	Year of Enrollment	Name of the Student	Thesis Topic	Name of the Guide(s)
1	2016-17	Mr. Atul Kumar Singla	Optimal Resource Planning for University Design	Prof. Manoj Mathur
2	2016-17	Ms. Suruchi Modi	Evaluating the social sustainability of residential high rises from the perspective of raising children	Prof. Dr. Mandeep Singh
3	2016-17	Mr. Khushal Matai	Environmental Impact of Solar Photovoltaics Installation/Integration on Urban Heat Island Effect and Strategies for Mitigation	Dr. Shweta Manchanda

### 10. Details of Research Projects

S.No.	Name of the Project	Funded / sponsored by	Name(s) of other Faculty in the Team (if applicable)	Name of the Project Coordinator
1	ARPIT Programme	AICTE & Ministry of Education & SPA Delhi		Prof. Dr. Anil Dewan
2	Transient Affordable Sustainable Construction Systems (TASCS),	Design Innovation Centre (MHRD initiative), SPA New Delhi	1. Amal V 2. Anchal Sayal 3. Michael V Ekka	Parul Kiri Roy Shuvojit Sarkar Anjali Mittal

			4. Lokesh Singh 5. I.V. Sasank	
3	Gujjars of Pir Panjal- People and Dwellings,	Multiple funders (Investigating Design, Sonam Wangchuk and others)	1. Sumairha Mumtaz Chaudhary 2. Lakshi C Reddy	Parul Kiri Roy
4	GCRF Development Award: Heritage Borders of Engagement Network (ENGAGE) in collaboration with Nottingham Trent University, UK	Arts and Humanities Research Council, UKRI, UK	1. Nishant Gautam, 2. Nimit Gandhi 3. Shaista Perveen	Anjali Mittal (COI)
5	Application of Wi-Fi Based Transceivers for Reducing Road Accidents in Mountainous Regions	Design Innovation Centre (MHRD initiative), SPA New Delhi	Shuvojit Sarkar	Shuvojit Sarkar

## 11. Details of Consultancy Projects

S.No.	Name of the Project	Name of the Client	Name(s) of the Faculty	Name of the Team Leader
1	City Centre Phase II	Delhi Cantonment Board	Na	Dr. Aruna Ramani Grover
2	Airport Support Services Centre	Delhi Cantonment Board	Na	Dr. Aruna Ramani Grover
3	DPR for Expansion of Indian Academy of Highway Engineering Campus	Indian Academy of Highway Engineering	Na	Dr. Aruna Ramani Grover
4	Extension of Silver Oak School	Delhi Cantonment Board	Prabhjot Singh	Prabhjot Singh

5	Design of JCO Residence, Delhi Cantonment	Delhi Cantonment Board	Prabhjot Singh	Prabhjot Singh
6	Redevelopment of Asthaphath at Rishikesh, UK.	Irrigation Dept. Govt. of Uttarakhand		Manoj Mathur
7	Development of Asthaphath at Haridwar.	Irrigation Dept. Govt. of Uttarakhand		Manoj Mathur
8	Redevelopment of Spray Pond of Kelkar Library.	IIT-Kanpur	Aarti Grover	Manoj Mathur
9	Extension of Chitrakoot Hostel.	Delhi Cantonment Board	Aruna Ramani Grover	Aruna Ramani Grover
10	Tribhuvan University Institute of Medicine	Dean, Institute of Medicine		Prof. Dr. Anil Dewan
11	Improvements of Road in Delhi Cantonment Board	CEO Delhi Cantonment Board	Dr. Sewa Ram; Bhaskar Gowd Sudagani	Prof. Dr. Anil Dewan
12	Road Safety Audit for Cantonment Area.	Delhi Cantonment Board	Anil Dewan, Sewa Ram, Bhaskar Goud Sudgani	Anil Dewan
13	Shri Mata Vaishno Devi Shrine Board Project 1: Durga Bhawan.	Shri Mata Vaishno Devi Shrine Board, Katra	Mandeep Singh Ramneet Kaur Nishant Gautam Srishti Bhardwaj	Mandeep Singh
14	Shri Mata Vaishno Devi Shrine Board Project 2: Yatri Queue Management at Bhawan.	Shri Mata Vaishno Devi Shrine Board, Katra	Mandeep Singh Ar. Ramneet Kaur Nishant Gautam Srishti Bhardwaj	Mandeep Singh
15	Shri Mata Vaishno Devi Shrine Board	Shri Mata Vaishno Devi Shrine Board,	Mandeep Singh	Mandeep Singh



	Project 3:Yatri Exit Route.	Katra	Ramneeet Kaur Nishant Gautam Srishti Bhardwaj	
16	Shri Mata Vaishno Devi Shrine Board Project 4: Yatri Queue Management at Bhairon.	Shri Mata Vaishno Devi Shrine Board, Katra	Mandeep Singh Ramneeet Kaur Nishant Gautam Srishti Bhardwaj	Mandeep Singh
17	Improvement of landscape at Raj Ghat (proposal sent).	Central Public Works Department	Mandeep Singh	Mandeep Singh

## 12. Details of Publications

### Anil Dewan

1. Sharad Nagdeve, S., Manchanda, S., & Dewan, A. (2019). Reimagining Office Building's Facade Post COVID - A Vertical Green System Way. *SPACE Journal* 23(1), 113–124.
2. Sharad Nagdeve, S., Manchanda, S., & Dewan, A. (2020). Thermal Performance Evaluation of Green Living Walls in Composite Climate. *International Journal of Students' Research in Technology & Management*, 8(4), 8-16. <https://doi.org/10.18510/ijstrm.2020.842>
3. Singh, Raja, & Dewan, Anil. (2020). Natural Ventilation as a Key Airborne Infection Control Measure for Tuberculosis Care Facilities: A Review. *TEKTON: A Journal of Architecture, Urban Design and Planning*, 08-17.
4. Singh, Raja, & Dewan, Anil. (2020). Rethinking Use of Individual Room Air-conditioners in View of COVID-19. *Creative Space*, 8(1), 15-20. <https://doi.org/10.15415/cs.2020.81002>
5. Singh, Raja, & Dewan, Anil. (2020), Urban Transport and Safety against Airborne Disease, January 2020, II(7), 63, *Urban Transport News*. ISSN: 2581-8023
6. Singh, Raja, & Dewan, Anil. (2020), Balancing Thermal Comfort, Energy Efficiency, Infection Control and Air Pollution, 6(7), 167-170, *Shashwat-GRIHA Council*, ISSN: 2881-9291

7. Gupta, N., Mathur, M., & Dewan, A. (in press-b). Identification Of Resilience Attributes For Hospital Building Design In Case Of Natural Disasters: A Systematic Review. *International Journal of Architecture and Infrastructure Planning*.
8. Gupta, N., Mathur, M., & Dewan, A. (in press-a). Estimating Relative Importance of Resilience Indicators For Large-Scale Hospital Buildings To Withstand Hydrological Disasters. *International Journal of Students' Research in Technology & Management*.

### **Mandeep Singh**

1. Gopal, A., Mathur, M., & Singh, M. (2020). Change in urban form: approaches for assessment and analysis in the Temple cities of India. *IJSER*, 11(1), 513-518.
2. Gopal, A., Mathur, M., & Singh, M. (2020). Change in Urban Form: Approaches for Assessment and Analysis in the Temple city of Thanjavur, Tamil Nadu. *Journal of Architectural and Planning Research (JAPR)*.
3. Gopal, A., Mathur, M., & Singh, M. (2020). Temple cities of India: categorization based on urban form. PhD colloquium. New Delhi: Sushant School of Architecture, Design and Planning.
4. Gopal, A., Mathur, M., & Singh, M. (2020). Temple cities of India: categorization based on urban form. *Veranda*, 9-20.-In press
5. Modi S. and Singh M. (2020), Social Spaces in Middle Income High Rise Residential Neighborhoods of Delhi.
6. Tipnis Aishwarya & Singh Mandeep (2021), Defining Industrial Heritage in the Indian Context - Under Peer Review *Journal of Heritage Management*
7. Tipnis Aishwarya & Singh Mandeep (2021), Adaptive Reuse of Industrial heritage sites as a strategy for sustainable development: challenges and opportunities in the Indian Context -Under Peer Review *Urban India, Journal of NIUA*
8. Tipnis Aishwarya & Singh Mandeep (2021) Measuring the impact of adaptive reuse on place identity of industrial heritage sites in India: a (draft) framework for assessment- Under Peer Review *Journal of Urbanism- International Research on Placemaking and Urban Sustainability*

### **Jaya Kumar**

1. Tandon Rashmi Baluja Co-Author: Hajela Amit, Kumar Jaya "An Approach Towards Total Quality in Architecture Education, The 3rd International Conference on Future of Education 2020.
2. Gayen Priyanka, Hajela Amit, Kumar Jaya, Values of Modern architectural heritage of India: The cultural significance, *National Conference - CIMA2020 on Cultural Identities: Manifestation through Architecture - Published - ISBN No. 978-93-81131-03-9*.

3. Gayen Priyanka, Hajela Amit, Kumar Jaya, "An Approach for assessing the Modern Architectural Heritage of India", International Conference -CAH – Conservation of Architectural Heritage, organised by IEREK, 10<sup>th</sup> Feb, 2021: ISSN 2522-8714- Scopus Indexed - Paper under revision.
4. Gayen Priyanka, Hajela Amit, Kumar Jaya, "Determining the Heritage value of modern public spaces", Journal – Urban Design International, Paper under review, 2021 - Scopus Indexed.

### **Shweta Manchanda**

1. Sharad Nagdeve, S., Manchanda, S., & Dewan, A. (2019). Reimagining Office Building's Facade Post COVID -A Vertical Green System Way. *SPACE Journal* 23(1), 113–124.
2. Sharad Nagdeve, S., Manchanda, S., & Dewan, A. (2020). Thermal Performance Evaluation of Green Living Walls in Composite Climate. *International Journal of Students' Research in Technology & Management*, 8(4), 8-16. <https://doi.org/10.18510/ijsrtm.2020.842>
3. Mathai, K. & Manchanda, S.(2020). Influence of SPV on thermal character of the urban milieu: a review. *Multidisciplinary Scientific Journal*, 2020, Vol3, pp 343-357.
4. Manchanda, S. 'Addressing Energy Consumption in India's Housing Sector', read at Cambridge Global Conference meet AUM (Analytics, Urban, Modelling), 2021.
5. Sharad Nagdeve, S., Manchanda, S., & Dewan, A. (2020) *Green Facades : A Passive Sustainable Method for Reviving Culture in India. National Conference Proceedings of CIMA 2020* 978, 106–110.

### **Prabhjot Singh Sugga**

1. Sugga, Prabhjot Singh. (2020). Effectiveness of Teaching structures in studio mode architectural students. *SPACE Journal*. Vol. 23, No. 1&2, pp. 93-112.

### **Parul Kiri**

1. Cultural Identities and Manifestations in Architecture, in Disruption in Diversity- Domination of the 'Pucca Makaan', National Conference Proceeding from 27.11.2020 to 28.11.2020. ISBN No. 978-93-81131-03-9.
2. Roy, Parul Kiri.(2021). Disruption in Diversity- Domination of the Pucca Makaan. *Conference Proceedings: National (Cultural Identities and Manifestations in Architecture)*. ISBN No. 978-93-81131-03-9.

### **Aarti Nagpal**

1. Aarti Nagpal and Rajaprakash P. 'Art and Culture'- The Canvas of A Smart City. *International Journal of Urban Design*. 2020; 3 (1): 16–24p.

### **13. Details of Membership in Committees/ Editorial Boards/ Any Other**

#### **Mandeep Singh**

##### **National Committees**

1. Member, Delhi Urban Arts Commission (DUAC)
2. Advisor to Association of Indian Universities (AIU), Competition Commission of India (CCI), Government of India
3. Member, Project Steering Committee (PSC) for 'Developing Energy Efficient Building Material Directory', Bureau of Energy Efficiency, Government of India
4. Professional Advisor National War Memorial, Ministry of Defence, Government of India
5. Advisor, IIIT Vadodara Permanent Campus Design and Architect Work, MHRD, Government of India
6. Member, Governing Council, NID Haryana, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, of the Government of India
7. Advisor, Association of Indian Universities (AIU) for renovation/refurbishing including interior furniture/furnishing etc at their present building.
8. Jury/Technical Evaluation Committee for National War Museum, Ministry of Defence, Government of India
9. Member, Expert Committee for selection of tableaux for Republic Day Parade, Ministry of Defence, Government of India

#### **Manoj Mathur**

##### **National Committees**

1. Member, UGC Standing Committee for CU Grant Allocation.
2. Expert, UGC Expert Committee for Approval.
3. Expert, AICTE Expert Committee for approvals.
4. Member, Building & Works Committee- JNU New Delhi.
5. Expert, Faculty Selection Committee- IIT-BHU, Varanasi.
6. Expert, Faculty Selection Committee- IIT- Kanpur.
7. Expert, Design Selection Committee, BPR&D, New Delhi.
8. Expert, Design Selection Committee, Chandigarh Housing Board.
9. Expert, Board of Studies, Faculty of Arch., MU Jaipur.

#### **Aruna Ramani Grover**

##### **National Committee**

1. Member, Committee to examine the fee structure of SPA, New Delhi .

### **Editorial Boards**

1. Member of the Editorial Board of Creative Space (ISSN print:2321-3892 and ISSN online:2321-7154), published by Chitkara University, Chandigarh.

### **Anil Dewan**

#### **National Committees**

1. Bureau of Indian Standards (BIS) Panel Member “Preparation of Codes, Guides, Norms & Standards for Hospital Planning in India;
2. Mission member, World Bank, New Delhi office for various health sector projects appraisal missions;
3. Core Committee Member, Committee for the Development of Course content/Curricula/ Syllabus for the proposed National Institutes of Hospital Engineering & Architecture, Government of India;
4. Member, Central Monitoring Committee, National Institute for Empowerment of People with Multiple Disabilities (NIEPMD) “Chennai, Government of India.
5. National Committee
6. Member, Central Monitoring Committee, National Institute for Empowerment of People with Multiple Disabilities.
7. Member, Building & Works Committee, All India Institute of Medical Sciences (AIIMS) New Delhi.
8. Member, Building & Works Committee, Delhi Technological University (formerly Delhi College of Engineering).
9. Member, Building & Works Committee, Central University of Rajasthan.
10. Member, Building & Works Committee, Jamia Hamdard University, New Delhi.
11. Member, Selection Committee for Selection of Architect and Campus Planner, Central University of Rajasthan.
12. Member, Selection Committee for Selection of Campus Planning and Design Consultant, Central University of Punjab.
13. Member, Selection Committee for Selection of Architects for NACO Metro Blood Banks Project, Government of India.
14. Member, Board of Studies, National Institute of Technology, Patna.
15. Member, Board of Studies, National Institute of Technology, Srinagar.
16. Member, Design Council, Airport Authority of India.
17. Technical Expert, Selection Committee, Himachal Pradesh Public Service Commission (HPPSC).
18. Technical Expert, Selection Committee, Dayalbagh Educational Institute, Agra.

## **Ranjana Mital**

### **National Committees**

1. Member, Building Works Committee, IIT Kanpur.
2. Delhi University Building committee.

### **Any Other**

Board of studies-Central University of Rajasthan

## **Jaya Kumar**

### **National Committee**

1. Member, Dept Research committee
2. Chairperson, Student Election Committee
3. Chairperson, Anti Sexual Harrasment Committee and Internal Complaint Committee

### **Editorial Board**

1. Member, Editorial Board, SPACE Journal

## **Leon Angelo Morenas**

### **National Committee**

1. External Member, Doctoral School Research Committee, School of Planning and Development, Sushant University, Gurugram
2. External Member, Doctoral School Research Committee, School of Planning and Development, Sushant University, Gurugram
3. Member, Sectional Committee for Social Sciences, Global Initiative of Academic Networks, MHRD
4. Member, Special Committee, Center for the Study of Law and Governance at Jawaharlal Nehru University, Delhi

### **International Committee**

1. Member, Global Doctoral Program in Spatial Arts at O.P. Jindal Global University, Sonipat

### **Editorial Boards**

1. Reviewer, Dialogue – Science, Scientists, and Society
2. Editorial Board Member, International Journal of Architecture and Ekistics
3. Reviewer, Enquiry: A Journal for Architectural Research, Architectural Research Centers Consortium (ARCC).



## **Shweta Manchanda**

### **National Committees**

1. Member, Bureau of Energy Efficiency Technical Expert Committee, Govt of India.
2. Member, GUBBI, NGO

### **Editorial Board**

1. Member, SPACE Journal

## **Shuvojit Sarkar**

### **National Committees**

1. Member Technical Committee: Stones Sectional Committee, CED6: Bureau of Indian Standards Bureau of Indian Standards.
2. Member Technical Committee: Panel for Acoustics, Sound Insulation and Noise Control, CED46:P15.

### **Editorial Boards**

1. Reviewer of the Springer Journal Environment, Development and Sustainability ISSN:1387-585X (Print) 1573-2975 (Online).

### **Any Other**

1. Member Secretary, Students Grievance Redressal Committee
2. Member Secretary, Hostel Management Committee.
3. Member, Newsletter Editorial Board

## **Jatinder Kaur**

### **National Committee**

1. Faculty, In-charge, Placement
2. Moderation Committee

### **Editorial Board**

1. 38<sup>th</sup> E-Convocation Booklet

## **S.P. Shrivastav**

### **National Committee**

1. Member, Scrutiny Committee for applications of non-teaching posts received in the School.
2. Functioned as Liaison Officer for Differently Abled Persons of the school

## **Parul Kiri Roy**

### **National Committees**

Member, Academic Board, Klahath Institute, Lucknow

## **Anjali Mital**

### **International Committee**

1. Partner, India Hub of Engage Network Heritage Borders of Engagement,

## **Aarti Nagpal**

### **National Committees**

1. SPA, Delhi, M.Plan., Purchase Committee.

## **Balpreet Singh Madan**

### **Any Other**

1. Jury member, Sharda University.
2. Jury member, MBS School of Planning and Architecture, New Delhi.

## **14. Conferences, Exhibitions, Seminars or Workshops Organized**

### **Mandeep Singh**

1. Organized, and presented a paper at the five days Faculty Training Programme (FTP) at SPA Delhi on "Practicing Sustainability in The Built Environment" from 11th to 15th March 2020, held at New Delhi. (Attended by 30 faculty members from SPA Delhi, Manipal University Jaipur, Lovely Professional University, Apeejay Institute of Technology, Noida and Hindu College of Design Architecture and Planning, Sonapat. The programme equipped teachers with in depth knowledge on principles of sustainability to facilitate meaningful input in design studio).

### **Prabhjot Sugga Singh**

1. Organizer of the One Day International Seminar "Re-Thinking Teaching Practices and curriculum for Structure Courses" on 20.02.2021, held at Delhi.

### **Vandana Kothari**

1. Exhibited Paintings based on the city of Delhi in "City of Illusions: A solo exhibition of paintings in association with Anant Art Gallery Delhi, 16.03.2021 to 16.04.2021.

## 15. Papers presented in Seminars, Workshops, Conferences, etc.

### Anil Dewan

1. Gupta, N., Sujatha, (2021, June 15). Podcast article on: Fundamentals of disaster resilient hospital design [in press]. Healthcare Radius.

### Anjali Mittal

1. Presented Paper titled “Traditional Building and Settlements” in the Four Days International Conference on IASTE 2021: Virtual Traditions, on 31.08.2021, held at UK.

### Aarti Nagpal

1. Attended and presented a presentation on “Women in Architecture: Opportunities and challenges” in ‘Panel discussion series’ as a panelist in 1st digital National youth Conference by ‘A Sketch EdTech Foundation & A SketchEdu Con 2020”, Hyderabad on October 31st-November 1st, 2020.

## 16. Participation of Faculty members in Seminars, Workshops, Conferences, Exhibitions, etc.

### Anil Dewan

1. Participated in the four days National Training “Building Disaster Resilient Hospitals. Healthcare Executive” on 13.04.2021, held at New Delhi. Sharad Nagdeve, S., Manchanda, S., & Dewan, A. (2020) *Green Facades : A Passive Sustainable Method for Reviving Culture in India. National Conference Proceedings of CIMA 2020* 978, 106–110.
2. Singh, Raja, & Dewan, Anil. (2020). Low Cost tool for finding ventilation rates for Airborne Infection Control in the Built Environment. 16th Conference of the International Society of Indoor Air Quality & Climate (p. Online). Seoul, South Korea: International Society of Indoor Air Quality and Climate.
3. Singh, Raja, & Dewan, Anil. (2019). Airborne Disease Spread in High Rise Buildings due to reliance on Mechanical Ventilation: A Review, Dec '19, 144-147, Proceedings of Seminar on High Rise buildings. [https://cpwd.gov.in/Publication/Compendium\\_of\\_High\\_Rise\\_Buildings\\_December\\_2019.pdf](https://cpwd.gov.in/Publication/Compendium_of_High_Rise_Buildings_December_2019.pdf)
4. Gupta, N., & Dewan, A. (2021, July 10). Building Disaster Resilient Hospitals. Healthcare Executive. <https://www.healthcareexecutive.in/blog/resilient-hospitals>.
5. Dewan, A., Khan, A.A. & Gupta, N. (2021, April 13-16). *Training Program: Disaster Resilient Healthcare Infrastructure*. Retrieved from [https://nidm.gov.in/pdf/trgReports/2021/April/Trg\\_13-16April2021aak.pdf](https://nidm.gov.in/pdf/trgReports/2021/April/Trg_13-16April2021aak.pdf)

6. Gupta, N. National Institute of Disaster Management. (2021, April 17). Webinar lecture on Energy Conservation. <https://Nidm.Gov.in/Videos.Asp>. [https://nidm.gov.in/pdf/trgReports/2021/April/Webinar\\_17April2021aak.pdf](https://nidm.gov.in/pdf/trgReports/2021/April/Webinar_17April2021aak.pdf)
7. Dewan, A., & Gupta, N. (2021, July 7-9). ArchVibes-2021- Samsung Architects Forum: Hospital acquired infection and indoor air quality.

### **Jatinder Kaur**

1. Participated in the five days national Training program “Green Buildings “ The GRIHA way, on 31.05.2021, held at New Delhi Online Training Programme on “Disaster Resilient Healthcare Infrastructure”, National Institute of Disaster Management in collaboration with SPA, New Delhi from 13.04.2021 to 16.4.2021. National.
2. Invited Online Lecture “Architectural Design of built Environment”, MRSPTU, Bathinda, on 15.12.2020.
3. Online Talk on Women’s’ Day Seminar –“Empowerment in the Profession –A Journey”, Adesh University, Bathinda, on 08.03.2021.
4. Poetry and Sketching Competition in the “8<sup>th</sup> Architecture for Masses” Seminar organized by Urban Village Charitable Trust, from 17.03.2021 – 19.03.2021.
5. National Distinguished innovator award in the IPR-ARISE Workshop, at Bathinda, on 29.04.2021.
6. National Seminar on Multiple perspectives on built environment in coordination with Anant National University, on 27.2.2021.
7. National Seminar on Process of Chandigarh – Functioning of city, at Chandigarh on 9.4.2021.
8. National Seminar on Process of Chandigarh-Public participation at Chandigarh, on 22.4.2021.
9. National Workshop on “Job Readiness during Turbulent Times: Skill Development Approach” organized by University School of Management Studies, Guru Gobind Singh Indraprastha University, on 27.2.2021.
10. “Report Writing for Detailed Project Report (DPR)” in the ‘Special Lecture Series 2021’ on 03.03.2021.
11. “In Search of Habitat–Moshe Safdie” on 05.03.2021.

### **Parul Roy Kiri**

1. Engaging with Self and the Community, Teachers Training Workshop by NIFT, New Delhi on 14.07.2020.
2. Disruption in Diversity-Domination of the ‘Pucca Makaan’, (Cultural Identities and Manifestations in Architecture), online National Conference organised by IGNC, VKA, New Delhi, from 27.11.2020 to 28.11.2020.
3. International Webinar “Heritage at the Margins” Organised by SPA ND, Nottingham Trent University, Praxis, CRDF, CHC, Partners in Change 09.10.2020 to 10.10.2020.

4. National Conference on Cultural Identities and Manifestations in Architecture (VAKA, IGNCAND), from 27.11.2020 to 28.11.2020.
5. Online Training Program on Teaching Indian Architectural History (CoA-TRC) 11.05.2020 to 15.05.2020.
6. Online Faculty Development Program to be is to Build (SSAA)" from 22-27 June 2020.
7. Online Training Course on "Teaching Histories of Built Environments (CEPTRDF)", from 27.07.2020 to 29.08.2020.

#### **Sunil Prasad Shrivastava**

1. E- Conference "Special Lecture-8 " through Live Webinar on the topic "introduction to Technologies, Codes & Methods of Bridge Deck Waterproofing system for New & Existing Bridges " organized by Indian Institution of Bridge Engineers held on 18th September, 2020.
2. E- Conference "Special Lecture-9 " through Live Webinar on the topic "Health Monitoring of Bridges by stalwarts of Country " organized by Indian Institution of Bridge Engineers held on 02<sup>nd</sup> October, 2020.
3. Lecture on "Cable Stayed Bridges" organized by Indian Association of Structural Engineers delivered on Wednesday, 21st October 2020 between 04:00 PM to 06:30 PM.
4. Webinar on the topic "Advanced Wind Tunnel Testing Techniques: Part 1 - Bridges" Organized by Indian Association of Structural Engineers on 28th November 2020.
5. E- Conference "Special Lecture-11" through Live Webinar on the topic "Structural Bearings - State of the Art " organized by Indian Association of Structural Engineers held on 11th December, 2020.
6. The third Webinar series organized by Indian Association of Structural Engineers on "Advanced Wind Tunnel Testing Techniques: Part 3 – Long Span Roof Structures on 16th January 2021.
7. E- Conference "Special Lecture-14" through Live Webinar on the topic "Review of Structural Audit of Railway Bridges " organized by Indian Institution of Bridge Engineers held on 28th January, 2021.
8. E- Conference "Special Lecture-16 " through Live Webinar on the topic "Post Tension.

#### **Aarti Nagpal**

1. Faculty Training Programme (FTP) on "Practicing Sustainability in the Built Environment" from 11th-15th March 2020.

#### **Arpita Dayal**

1. Participated in five days National online Teacher Training Program for Architecture Faculty, on 15.02.2021, held at Bhopal.

2. Key Speaker at National Seminar on “ Innovation in Construction Materials, Remarkable Womens Conclave, sponsored by MSME, Bulwark, on 07.03.2021 held at Taj Palace, New Delhi.

**Anjali Mittal**

2. Participated in the Five Days National Online Teacher Training Program (TTP) on Pandemic and Future Cities, on 26.07.2021, held at New Delhi.

**Mekhla Parihar**

1. Participated in five days “Online Teacher's Training Program for Architecture Faculties” on 15.02.2021, organized by COA-TRC Bhopal and MANIT, Bhopal.

**Vandana Kothari**

1. Participated in one month online solo exhibition of works on paper in association with Anant Art gallery, Delhi as artist in “Memory Stations” on 01.04.2021, held at Delhi.
2. Participated in month long “ Under His: An all women virtual show” online group exhibition of all women artist curated by Sushma Sabnis on the occasion of International Women’s Day on 08.03.2021, held at Mumbai.

**17. Membership of Professional Bodies**

**Dr. Mandeep Singh**

Council of Architecture

**Manoj Mathur**

Member, Indian Institute of Architects.

**Aruna Ramani Grover**

Fellow, Indian Institute of Architects;

Member, Council of Architecture

**Jaya Kumar**

Council of Architecture

**Anil Dewan**

FIIA, Institute of Hospital Engineering.

**Leon Angelo Morenas**

Member, Institute of Urban Designers, India;

Registered Member, India Council of Architecture;



Member, Society for Philosophy and Technology;  
Member, Society for Social Studies of Science (4S);  
Member, International Sociological Association;

**Shweta Manchanda**

Member, Indian Institute of Architects.

**Prabhjot Singh Sugga**

Member, Indian Institute of Architects;  
Member, Institute of Town Planners India.

**Dr. Jatinder Kaur**

Member, Council of Architecture

**Parul Kiri Roy**

Member, INTACH.

**Shuvojit Sarkar**

Registered Member, Council of Architecture, New Delhi;  
Associate Member, Institute of Town Planners of India (ITPI);  
Associate, Indian Institute of Architects, Mumbai;  
Life Member, Indian Institute of Interior Designers (IIID), Mumbai;  
Life Member, INTACH, New Delhi ;  
Alternate Member, Building Limes and Gypsum product, CED 4 (from SPA, Delhi)

**Sunil Prasad Shrivastava**

Life Member (I.A.S.E);  
Life Member Institution of Engineers.

**Aarti Nagpal**

Member, Indian Institute of Architects;  
ITPI.

**Arpita Dayal**

Member, COA;  
Member, Institute of Urban Designers India.

**Saptarshi Sanyal**

Member, ICOMOS(India).

**Mekhla Parihar**

Member COA;  
Member USGBC (International)

**Balpreet Singh Madan**

Member, Indian Institute of Architects (IIA).

**Gunjan Jain**

Member, ITPI;

Member, IIA.

**Kamini Singh**

InstituteofUrbanDesignersIndia(IUDI).

**Shikha Indurkhya**

IGBCAP; LEEDBD+C;

GRIHA Trainer & Evaluator.

**Vandana Balakrishnan**

Member, IIA, IUDI.

**18. Any Other Information of Relevance**

**Parul Kiri Roy**

1. Founder Member of Investigating Design (Not for Profit Organisation and Director, Head of Delhi Chapter of CASP (Council for Arts and Social Practice)

**Aarti Nagpal**

**Publications/ Conferences/ Seminars:**

1. Got the appreciation- memento in YAF-2010, (Young architects Festival-IIA) for presenting a paper on Construction Safety & Management.
2. ICRE-2011, International Conference of Renewable Energy and presented a research paper on Renewable energy strategies in India and its role in Eco-city planning, in Jan 17-21, 2011 at Jaipur.
3. Written a research paper on Appropriate transportation and infrastructure development for sustainable humane habitat in International Conference on humane Habitat (ICHH-2011, Mumbai).
4. Written a research paper on Sustainable Urbanism and Design concepts for cities in Arid Region in a National Conference, 2012 (MNIT, Jaipur).
5. Written a research paper on Municipal Solid Waste Management for Sustainable Development of Cities in an International Conference by KRISHI SANSKRITI- 2013 (JNU, Delhi).

6. Written a research paper on Waste water management for Sustainable Development in Urban and Rural Area• in an International Conference by KRISHI SANSKRITI- 2013 (JNU, Delhi).
7. Written a research paper on Sustainable innovative techniques for Green Architecture in an International Conference by KRISHI SANSKRITI- 2013 (JNU, Delhi).
8. Written a research paper on Designing Sustainable Waste Water Management for Urban and Rural Areas in an International Congress of Environmental Research, ICER (Aurangabad -2013).
9. Written a research paper on "Sustainable Solid Waste Management at Macro and Micro Level - A Case of Jaipur City" in an International Congress of Environmental Research, ICER (Aurangabad -2013).
10. Written a research paper on "Role of Green Architecture in Sustainable Development" in a National Conference on Sustainable Urban Environmental Management in India: Problems & Prospects by Department of Architecture & Planning, MNIT, Jaipur on 13-14 February, 2017. ISSN No. (Print): 0975-8364, ISSN No. (Online): 2249-3255.
11. Attended 3rd National Conference on Green Building, held on 16th February 2017 titled Integration of Solar from Buildings to Cities™ at School of Planning and Architecture, New Delhi.
12. Written a research paper on A study of development trends in Rohtak with reference to NCR policies for Haryana sub-region in an International Conference on Sustainable Urban Environmental Management in India: Problems & Prospects by Global Research and Development Services, GRDS, Dubai on 21-22 February, 2017. Paper ID No.: GICICRST1701096.
13. Attended, presented and written a research paper on Sustainable Waste Water Management for Smart Cities in 4th National Conference on Upscaling Green Building at City Level, at School of Planning and Architecture, New Delhi on March 27, 2017.
14. Attended a Seminar, held on 12th February 2017 titled Global trends in Real Estate, Infrastructure and Facilities Management™ by School of Planning and Architecture, Delhi in association with ARCHIBUS.
15. Written a research paper on Role of Elements and Principles of Design in Architecture Design in an International Journal of Architectural Design and Management (Vol. 1: Issue 1). 2018.
16. Written a research paper on Sustainable Waste Water Management for Smart Cities• in an International Journal of Environment Planning and Management (Vol. 4: Issue 1.). 2018.
17. Written a conference paper on ART AND CULTURE- THE CANVAS OF A SMART CITY™ in 21th International Conference on Architecture, Architectural Culture and History (ICAACH 2019) held in Dubai, UAE during Nov. 07-08, 2019, TKN:26534, 2019-11-07.

18. Aarti Nagpal, Rajaprakash Purushothaman. Art and Culture- The Canvas of A Smart City. International Journal of Urban Design. 2020; 3(1): 16-24p.
19. Attended and presented a presentation on Women in Architecture: Opportunities and challenges™ in Panel discussion series™ as a panelist in 1st digital National youth Conference by ASketch EdTech Foundation & ASketch EduCon 2020™, Hyderabad on October 31st-November 1st, 2020.

### **Anjali Mittal**

1. Member, IASTE (International Association for the Study of Traditional Environments).
2. Invited for Final Year Thesis Jury as an external examiner at Sushant School of Art and Architecture, Ansal University Gurugram

### **Vandana Kothari**

1. Selected SOLO Exhibitions of Paintings: City of Illusions - A solo exhibition of paintings by Vandana Kothari In collaboration with Anant Art Gallery, New Delhi - March 2021
2. Memory Stations - A solo exhibition of paintings by Vandana Kothari In Collaboration with Anant Art Gallery, New Delhi (Online ) April 2021.
3. Selected Group Exhibitions: 2021 - 'Under His 'I' an all Women Virtual Show curated by Sushma Sabnis on the occasion of International Women's Day.

### **Special Lectures Organised**

<b>Name of faculty</b>	<b>Special Lecture Subject</b>	<b>Hours</b>
Abid Hussain	Innovative Cooling System	2
Abid Hussain	Energy Efficient HVACN Design	2
Anurag Biswas	Parametric Design Using Rhino	2
Udit Shah	Innovative Cooling System	2
Anurag Biswas	Shading Design With Grass hopper	2
PC Thomas	1. Daylight and shading With Design Builder	2
	2. Building Envelope and Thermal Comfort	2
Gaurav Shorey	Zero Energy Building Design	2

## 2.2 DEPARTMENT OF PHYSICAL PLANNING

### 1. Academic Programs Offered by the Department

- Bachelor of Planning
- Integrated M.Planning (From 2019 onwards)
- Ph.D. Programme in Planning

### 2. Year of Establishment of the Department: 1990

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Areas of Specialization	CoA Reg.No.
<b>PROFESSORS</b>			
Mahavir (Head of the Department) 1 January 2021 onwards	B.Arch.; MURP; PGDip.(Remote Sensing); Ph.D.	Remote Sensing and GIS	CA/81/06718
Ashok Kumar (Dean Academic)	M.Sc.;M.P.(URP);Ph.D.	Urban and Regional Planning : Spatial Justice ;Water Governance; and Public Policy	
Mayank Mathur	B. Arch.; M.Housing; PG Dip. in Housing Planning and Building; Ph.D.	Housing and Community Planning, Urban Design, Design of Human Settlements	CA/84/8559
Rabidyuti Biswas	B.E.; M.R.P.; Ph.D.	Urban and Regional Planning, Infrastructure Planning and Management	

Poonam Prakash (Head of the Department from February to December 2021)	B.Arch; M.Plan. (Housing); Ph.D.	Housing, Urban Planning, Participatory Planning	
<b>ASSISTANT PROFESSORS</b>			
Taru Jain (resignation under process)	Ph.D.; M.Sc.; B.Plan.	Transport Planning	
Priti Deo	Master in Geography; M. Plan. (RP)	Regional Planning, Master Planning Geo Informatics Systems (GIS), Demography and Urbanization, Planning Techniques	
Papiya Bandyopadhyay Raut	Master in Geography; M.Plan.(RP); Ph.D. (ongoing)	Regional Planning, Rural Development, Village & Community Resource Planning, Informal Sector and Planning, GIS and Remote sensing, e-Governance	
Piyooash Singh	B.Arch; MCP	Settlement History, Site Planning	Yes
Mr. Sairam Dasari	M.Plan. (TP)	Transport Planning/ Modelling, Travel behavior studies, Public Transport and Network planning	
<b>ASSISTANT PROFESSORS ON CONTRACT</b>			
Honey Jalali	B.Arch: M.Plan.	Urban Planning	CA2011/54387

#### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Poonam Prakash	I	Planning Techniques I	2
	I	Planning Communication I	2



	II	Planning Studio II	5
	III	Planning Techniques II	2
	V	Planning Studio V (Zonal/Sub zonal)	5
	VIII	Planning Practice and Legislation	2
	VIII	Thesis	6
Ashok Kumar	III	Planning Theory-I	3
	V	Planning Studio – Sub City Plan	5
	IV	Planning Theory-II	3
	VIII	Thesis	6
Mahavir	II	Geo-Informatics for Planning - I	3
	VII	Planning for Regions	2
	VIII	Thesis	6
	VI	Studio - Master Plan	5
	VII	Studio - Regional Plan	11
Mayank Mathur	I	Planning Studio I	8
	IV	Urban Design and Conservation	2
	V	Housing	2
	VII	Dissertation and Training	2
	VIII	Thesis and Terminal Project	10
Rabidyuti Biswas	VI	Planning Studio Master Plan Preparation	7
	VI	Environmental Planning	2
	VIII	Thesis	3
	III	Planning Studio, Transportation Planning	8
	III	Planning Techniques II	2
	V	Infrastructure Planning II	2
Priti Deo	VI	Demography and Urbanization	3
	VI	Thesis and Terminal Project	6
	VI	Planning Studio: Development Plan	11
Papiya Bandyopadhyay Raut	II	Site and Land Development	1
	III	Ecology and Eesource Planning	3
	VI	Planning for Informal Sector and Urban Poor	2
	VI	Rural Resource Planning (Elective)	2
	VII	Planning for Regions	1
	VII	Dissertation and Training Seminar	4
	VII	Planning Communication	1

	VII	Planning Studio -Regional Plan	11
Piyoosh Singh	I	Culture and Cities	3
	I	Planning Communications-I	4
	I	Planning Studio-I	11
	II	Cities in History	3
	II	Planning Communications-II	4
	II	Planning Studio-II	11
	II	Thesis Terminal Project	3
Sairam Dasari	I	Planning Techniques – I	2
	III	Transport Planning – I	3
	III	Land use and Transport aspect studio	11
	IV	Planning communication – III	2
	IV	Site Planning studio	11
	V	Transport Planning – II	3
	VI	Land economics and Location theory	3
	VIII	Thesis and Terminal project	6
Honey Jalali	I	Computer Applications; Auto CAD-2D	1
	III	Infrastructure Planning-I	3
	III & IV	Transport Studio & Site Planning Studio	11 & 11
	V	Project Formulation, Appraisal and Management	1

## 5. Details of Teaching Work Undertaken in Other Departments

Name of The Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Sairam Dasari	II	Transport Lab (Transport Planning Department)	2
	III	Quantitative techniques and software application	1

## 6. Details of Teaching Work Undertaken by Visiting Faculty

S. No	Name of the faculty	Semester	Subject	Theory/ Studio	Hrs/ week
1	Ms. Ankita Mandal	I	Fundamentals of Urban and Regional Planning	Theory	3
2	Sh. S Bala Murgan	I	Computer Application-I	Theory	3
3	Sh. Abhishek Jain	I	Planning Communication-1	Studio	4
4	Sh. Radhakrishnan	I	Planning Communication-1	Studio	1
5	Sh. Smanla	I	Planning Communication-1	Studio	1
6	Sh. Arindam Jana	I	Quantitative Methods for Planners	Theory	3
7	Ms. Geetika Anand	I	Planning Studio-I	Studio	11
8	Sh. Ravi Inderjeet Singh	I	Planning Studio-I	Studio	11
9	Sh. Abhishek Jain	I	Planning Studio-I	Studio	3
10	Sh. S. Bala Murgan	III	Geo Infromatics for Planning- II	Theory	3
11	Ms. Anusha Mishra	III	Planning Studio-Land Use and Transport	Studio	11
12	Ms. Malvika Rautela	III	Planning Studio-Land Use and Transport	Studio	8
13	Sh. Ram Khandelwal	V	Project Formulation, Appraisal and Management	Theory	3
14	Ms. Uzma Azhar	V	Settlement Sociology	Theory	3
15	Sh. Mandeep	V	Planning Practice-I	Theory	2

	Singh				
16	Ms. Smita Singh	V	Real Estate Development and Management	Theory	2
17	Ms. Smita Singh	V	Planing Studio-Sub City Plan	Studio	8
18	Sh. VK Dhar	V	Planing Studio-Sub City Plan	Studio	8
19	Sh. Harpal Dave	VII	Planning Legislation	Theory	3
20	Sh. Radhakrishnan	VII	Planning Communication-IV	Studio	1
21	Sh. Abhishek Jain	VII	Urban Renewal	Theory	1
22	Sh. VK Dhar	VII	Urban Renewal	Theory	1
23	Sh. Rahul Sharma	VII	Impact Assessment Techniques	Theory	2
24	Ms. Amrita Aand	VII	Politics, Planning and Development	Theory	2
25	Dr. Uzma Azhar	II	Introduction to Social Sciences	Theory	3
26	Sh. Arindam Jana	II	Economics for Planners	Theory	3
27	Ms. Parul Kapoor	II	Planning Communication-II	Studio	2
28	Sh. Aman Hasan	II	Planning Communication-II	Studio	1
29	Dr. J M Radha	II	Planning Communication-II	Studio	1
30	Ms. Geetika Anand	II	Planning Studio-II	Studio	11
31	Sh. Varun Amar Kaushik	II	Planning Studio-II	Studio	11
32	Ms. Shilpi	II	Planning Studio-II	Studio	6

	Raonka Pathak				
33	Sh. Harpal Dave	IV	Planning Indian Cities	Theory	3
34	Sh.Amaan Hasan	IV	Planning Communication-III	Studio	1
35	Ms.Bhawna Sharma	IV	Planning Communication-III	Studio	2
36	Ms.Smita Singh	IV	Planning Studio-IV (Site Planning)	Studio	11
37	Sh. Abhishek Jain	IV	Planning Studio-IV (Site Planning)	Studio	5
38	Prof. V.K. Dhar	VI	Urban Governance and Management	Theory	2
39	Ms.Ankita Mandal	VI	Environmental Planning	Theory	2
40	Sh.Mandeep Singh	VI	Urban Finance	Theory	2
41	Ms.Malvika Rautela	VI	Development Planning	Theory	3
42	Ms. Ankita Mandal	VI	Department Elective: Disaster Risk and Resilience	Theory	2
43	Prof. V.K. Dhar	VI	Planning Studio -VI (Development Plan)	Studio	11
44	Sh.Ankur Goel	VIII	Professional Practice and Legislation	Theory	2
45	Sh.Ram Khandelwal	VIII	Invited Elective	Theory	2
46	Sh,Rajeev Malhotra	VIII	Terminal Project	Studio	3
47	Prof. V.K. Dhar	VIII	Terminal Project	Studio	6
48	Ms.Smita Singh	VIII	Terminal Project	Studio	3

## 7. Details of Studio Work Undertaken by Students

S. No.	Semester	Title of the Studio Assignment and Brief Description
1	I	<p><b>Planning Studio I:</b> In this semester the students are oriented towards the basic terminologies in planning and are trained in observation and mapping skills through various exercises. Ability to visualize and drawing in two and three dimensions is part of introduction. Knowing about the city through home town exercise to components of cities through movies as case study. After the knowledge about scale and spatial visualization the exercises are related to spatial organization. Finally taking case study of street and a neighborhood in their near vicinity the students are required present their work after doing studying literature, collecting data from the field and prepare drawing in relation to the same.</p>
2	II	<p><b>Planning Studio II:</b></p> <p><b>1. Land Use Study:</b> This exercise was aimed to develop understanding of basic concepts of land use planning such as categorization, hierarchy, permissibility, and compatibility, etc. Also To understand the requirements and impacts of predominant activities in a particular land use. Students were assigned a specific land use in their respective cities as study area.</p> <p><b>2. Area Appreciation:</b> The purpose of this exercise is to appreciate residential development (preferably of a neighbourhood/ ward scale) with respect to its spaces, communities and activities, and their interrelationships. For this exercise students were assigned their respective neighbourhood in their own cities for the study purpose.</p>
3	III	<p><b>Transportation Planning Studio - Integrated Land use and Transport Plan at Neighborhood Level: Case study- Dwarka sub city:</b> The main objective of the introductory course in Traffic and Transportation planning is to enable the students to appreciate the interaction between land use and transportation aspects, sustainable mobility and develop skills in conducting and analyzing various traffic and transportation surveys used in planning. For this studio exercise, Dwarka sub city, New Delhi has been selected as the case study area. Due to the outbreak of COVID-19 and the situation around the world has been drastically changed. Looking into the safety perspective and the</p>

		<p>institution guidelines it has been decided there will be no site visit and the data collection part of the studio was divide into two stages to achieve the studio objectives. Stage 1: Traffic and Travel Surveys (at their respective home towns) which helped them to understand how to conduct the traffic and travel surveys. Stage 2: Selected Dwarka Sub city sectors primary data has been shared with students and the students who all are residing in Delhi, Noida, Faridabad and Gurugram helped the rest of the class in secondary data collection and site pictures to understand the site area. All students were exposed to all Traffic &amp; Travel Surveys. The surveys and their analysis and presentation have been conducted at their respective home towns as an individual exercises. The primary data have been shared to students for the selected sectors in the Dwarka sub city area and from their group level exercise started by analyzing and presenting the data. The study was conclude with an area level improvement plan keeping in mind the key principles of integration of land use and transport aspects and promotion of sustainable modes.</p>
4	<b>IV</b>	<p><b>Site Planning Studio:</b> This studio seeks to develop skills in site planning with an emphasis on the housing aspect of an area. Students learn to plan a neighbourhood as a unit towards detailing the master plan. It requires an understanding of the relationship between sub-division norms and development control regulations related to built form, street layouts, and infrastructure provisions, and planned open spaces. This was a theme-based studio and students were provided with two study areas one near NajafgarhNala and the other near Ghitorni Metro Station in NCT Delhi. They developed skills to read existing tangible and intangible urban pressures for a given site and planned for a larger study area ranging from 350-400 Ha, scaling down to 30-40 ha of neighborhoods in groups. Eventually, students proposed 10 Ha of the critical area that would exhibit their concepts clearly and detailed its 2 Ha for residential (group/ plotted) development based on the previously identified approach for site planning.</p>
5	<b>V</b>	<p><b>Planning Studio Sub-city plan:</b> This studio aimed to understand the relationship between different levels of plan. Lower order plans are usually statutory documents and act as link between the master plans and lay out plans. Lower order plans are significant for plan implementation in addition to understanding hierarchies of plans and their inter-relation, the</p>



		<p>studio also aimed to develop understanding of norms and standards and development controls. Due to COVID-19, studio was conducted online. Dividing the class in three groups, students were asked to examine the feasibility of implementation of three of the key plan modifications in the MPD 2021. These included Land Pooling Policy, Transit Oriented Development Policy and Introduction of Low Density Residential Areas. Students based in Delhi undertook some field surveys and shared with their respective groups. Each group undertook detailing of the policy as well as feedback to the plan related to the policies</p>
6	<b>VI</b>	<p><b>Planning Studio Development Plan:</b> The main aim of this planning studio is to enable the students to develop an understanding about diverse approaches and techniques involved in the preparation of a Development Plan or Master Plan for a selected town or city for a plan period of 15 to 20 years. In this semester, Shamli city was chosen as the case study area for the preparation of Master Plan. Students are expected to comprehend the various components of a statutory Master Plan and their significance for the people and communities living in the city. Students also explored the processes of land use allocations in a capital city by establishing the linkages among various sectors and also their comparative significance.</p>
7	<b>VII</b>	<p><b>District Development Plan:</b> Shamli, UP Sub-Region, NCR The primary goal of this planning studio is to learn about approaches and methodologies for the preparation of a regional, sub-regional, district or block development plan comprising of few urban and several rural settlements. In this studio exercise, Shamli District in Uttar Pradesh Sub-Region in NCR is selected as a case study area for the preparation of District Development Plan. All students are expected to understand the concept of region, regional planning, decentralized planning, the scale of the region and techniques along with the concepts of district development planning approaches, techniques, process of preparation of district development plans, etc. Students are required to study the regional context of the identified district, land utilization, demography, economy, agriculture and allied activities, transportation, housing, physical &amp; social infrastructure, environment &amp; disaster management, tourism, governance &amp; finance, and rural development for the purpose of preparing a District Development Plan for Shamli.</p>

		The detail schedule will be provided in the studio.
8	<b>VIII</b>	Thesis/ Terminal Project: This semester of thesis is linked to the dissertation in their previous semester. The approved topics of interest of the students are duly approved by the faculty of the department. The topics on which the students have done literature search in their dissertation, now apply on the case studies and perform data analysis, identify issues etc. and prepare proposals. The work is assessed through various presentations and finally a report on thesis is submitted to the department. The list of topics are also enclosed.

## 8. List of Thesis Topics

Sl.No.	Name of the Student	Thesis Topics	Name of Guide
1	Abhishek Kumar	Implementing the "sponge city" concept in Indian Context"	Hridi Kaul Jalali
2	Arun Kumar	Exploring E-Commerce Delivery Distribution Using Unmanned Aerial Vehicles (Drone) : South Delhi'	Sairam Dasari
3	Bhawna Sharma	Assessment of Water Accessibility for Urban Poor Women: Case Study Delhi'	Priti Deo
4	Debarshi Hafila	The Impact of Storytelling In Planning: Using Multimedia As A Medium'	Piyoosh Singh
5	Deevi Gruha Sree	Planning for Ephemeral Cities: Issues, Alternatives and Way Forward'	Mayank Mathur
6	Harkaran	Potential of Urban Underground Spaces in Synergy to Land -Use Planning in Delhi: Case Study of Sourth Delhi'	Mayank Mathur
7	Himanshu Singh Parihar	Urban Growth and iits Impact on Urban Form in Indore'	Mayank Mathur
8	Ishita Saraswat	Role of Web-Based Networking Platforms as a Participatory Tool in Planning'	Poonam Prakash
9	Jyotsana Choudhary	Understanding the Planning of Cantonment Area with respect to its	Priti Deo

		Peripheral Area: A case Study of Delhi	
10	Karthik Girish	Framework for Duty of Care in Indian Planning Practies as a mechanism for Enhanced Accountability'	Poonam Prakash
11	Mahima Suryavanshi	Co-living and Urban Planning: Case Study of Gurugram'	Ashok Kumar
12	Manabjyoti Dutta	Flood Damage Assessment on Lives and Livelihood of People: Case study Dhemaji'	Rabidyuti Biswas
13	Mannya Katyal	Assessing Women Empowerment and Housing Retention in Indian Housing Policies : Case Study of Delhi'	Ruchita Gupta
14	Medha Chauhan	Impact of Gated Communities on Safety of Surrounding Neighbourhood: A Case Study of Delhi'	Ashok Kumar
15	Parth Makwana	Implications of acquisition of land through LARR Act, 2013 for Mumbai Ahmedabad high-speed bullet train'	V.K. Dhar
16	Sanjoy Das	Understanding and Measuring complexity in City Systems: A configurational Approach' under the theme of Spatial Structure	Mahavir
17	Saumya Swasti	"Assessment of Place Attachment as the Motivation factor behind Participation in Planning : Case Study of Kathputli Colony, Delhi'	Hridi Kaul Jalali
18	Siddhesh Ravindrakumar Kudale	Evaluation of in-vehicle crowding and its management in urban mass transport: the case of Delhi'	Sairam Dasari
19	Vaibhav Singh Chauhan	"Active Transport Safety on Urban Streets, Study Area: Civil Lines, Delhi'	Smita Singh
20	Vibhu Saxena	"Fulfilling the energy demand of an urban area using locally available Renewable Energy sources-Case Study Surat'	Rajeev Malhotra

## 9. Details of the Ph.D. Thesis Topics

S.No.	Name of the Student	Thesis Topic	Name of the Guide(s)
1	Mr. Suresh Babu Ponduri	Approaches to Procurement of Land for City Planning and Development: Comparison of Navi Mumbai and Greater Noida	Prof. Dr. Ashok Kumar
2	Mr. Lalit Kumar	Impact of Private Urban Development on Different Socio- Economic Groups	Prof. Dr. Ashok Kumar
2	Mr. Ajay Kausal	Inter- Policy Coherence for Better City Planning	Prof. Dr. Ashok Kumar
3	Mr. Parul Sharma	Developing Accessible urban spaces for Persons with Disabilities in India	Prof. Dr. Ashok Kumar / Prof. Dr. R. Biswas
4	Ms. Sundus Samreen Wani	Flooding and Resilience: A Case Study of Srinagar City	Prof. Dr. Ashok Kumar
5	Ms. Shilpi Bhaskar Aggarwal	Spatial Transformation of Cities Post 1991 Reforms – A Case Study of Surat	Prof. Dr. Ashok Kumar
6	Ms. Chitra S. Jain	Role of Citizens Participation in Master Plans: Indian Scenario	Prof. Dr. Poonam Prakash
7	Ms. Neha Verma	Spatial perspective on women's primary health care accessibility in slums	Prof. Dr. Poonam Prakash
8	Ms. Swara Kiritkumar Shah	Role of diverse interests in implementation of street vending provisions	Prof. Dr. Poonam Prakash
9	Mr. Raghunanda S. Aiyangar	Role of Zoning Regulations in Promoting Physical Activity as a Component of Public Health	Prof. Dr. Poonam Prakash
10	Ms. Tarisha Gaurav Desai	Developing conceptual framework to understand Indian cities having focus on Historical processes- A case study of Vadodara	Prof. Dr. Poonam Prakash
11	Ms. Parul Kapoor	Role of SPV'S in Indian Urban Infrastructure Projects	Prof. Dr. Poonam

			Prakash
12	Ms. Ashu Chaudhary	Framework for Redevelopment for Old Government Housing	Prof. Dr. Poonam Prakash
13	Ms. Aarti Nagpal	Role of People - Participation in Sustainable Development at Local - Level	Prof. Dr. Poonam Prakash / Dr. Shweta Manchanda
14	Ms. Sheethal B.S.	Framing of Grassroot Level Human Development Index for Policy and Planning Interventions.	Prof. Dr. R. Biswas
15	Ms. Savitri Kumari	Water Governance of Delhi	Prof. Dr. R. Biswas
16	Ms. Maheshwari Gupta	Integration of Water Policies in Urban Planning: Case of NCT Delhi	Prof. Dr. R. Biswas
17	Ms. Sheilja Singh	Rejuvenation of Water Spaces of Delhi: A Sustainable and An Ecological Approach	Prof. Dr. R. Biswas
18	Ms. Kajal Goyal	Planning and Management of river flood plain to enhance ground water level: A case of Yamuna, Delhi	Prof. Dr. R. Biswas
19	Mr. Akhil Das	Framework for Responsive Land Use	Prof. Dr. R. Biswas
20	Mr. V. S. Raghavendra	Spatial Implications of Micro Small and Medium Enterprises in Bangaluru City	Prof. Dr. Mayank Mathur
21	Mr. Harikrishan G. Nambiar	Housing Transformation around Metro Stations in Delhi	Prof. Dr. Mayank Mathur
22	Ms. Rashmi Ashtt	Role of Private Sector in Governance of Heritage Areas	Prof. Dr. Mayank Mathur
23	Ms. Alka Mohan Arora	Social sustainability (Socio-Spatial Inclusiveness) as Generator of urban form in context of Indian cities	Prof. Dr. Mahavir

## 10. Details of Research Projects

Name of the Project	Funded / Sponsored by	Name(s) of other Faculty in the Team (if applicable)	Name of the Project Coordinator
The Impact of COVID- 19 on Water Security and Inequality in New Delhi	Global Challenges Research Fund of UKRI	Prof. Ashok Kumar and Dr. Sarah Cooper	Prof. Ashok Kumar
Water Security and Sustainable Development	Global Challenges Research Fund of UKRI	Prof. Ashok Kumar, Prof. P.S.N. Rao, and Prof. R. Biswas	Prof. Ashok Kumar as Co-Principal Investigator
Water Security and Sustainable Development Hub	Global Challenges Research Fund (GCRF), UK.	Dr. P.S.N. Rao, Dr. Ashok Kumar, Dr Rabidyuti Biswas	Dr. Ashok Kumar
Global Water Security and Sustainable Development.	GCRF, UKERI, UK	P.S.N Rao, Rabidyuti Biswas	Ashok Kumar

## 11. Details of Consultancy Projects

Name of the Project	Name of the Client	Name(s) of the Faculty	Name of the Team Leader
Preparation of the Dadri-Noida-Ghaziabad Investment Region	New Okhla Industrial Development Authority	P.S.N. Rao, Prof. Sewa Ram, Prof. R. Biswas, Prof. Sanjay Gupta, Prof. Arunava Dasgupta, and Prof. Meenakshi Dhote.	Prof. Ashok Kumar
Review of the National Capital Region Plan, 2041	National Capital Region Planning Board, Delhi	Prof. Ashok Kumar, Prof. R. Biswas, Prof. Sanjay Gupta, Prof. Sanjukkta Bhaduri, and Prof. Meenakshi Dhote.	Prof. P.S.N. Rao

Preparation two District Development Plans and four Master Plans of Towns in Assam	NHPC Ltd.	Dr. P.S.N. Rao, Dr. Rabidyuti Biswas,	Dr. Ashok Kumar
CMMP Gurugram	GMDA, Haryana	Prof.Dr. Sanjay Gupta Prof.Dr. Sewa Ram Sh. Sairam Dasari	Prof. Dr.Sanjay Gupta
CMP Dwarka	DDA, Delhi	Prof.Dr. Sanjay Gupta Prof.Dr. Sewa Ram Dr.Chidambra Sh.Sairam Dasari	Prof. Dr.Sanjay Gupta
Zonal Plan for Baddi Barotiwala Special Area	Himachal Pradesh Government, Shimla	Prof. Ashok Kumar, Prof. Poonam Prakash, and Prof. R. Biswas.	Prof. Mayank Mathur

## 12. Details of Publications

### **Mahavir**

1. Mahavir (2020). UAV Technology for Formulation of GIS-based Master Plans for Small and Medium Towns. *Coordinates*. Vol. XVI, Issue 12, 2020, pp 14-19.
2. Mahavir (2020). Data is Gold. Make it Ornament. *Coordinates*. Vol. XVI, Issue 11, 2020, pp20-21

### **Ashok Kumar**

1. Ashok Kumar (2020). Spatial Planning in the Times of National Missions and Guidelines. *ITPI Journal*. Vol. 17, No. 1, pp 22-50
2. Ashok Kumar (2021). City Planning in India, 1947-2017. *Rutledge, New York*.

### **Poonam**

1. Prakash, Poonam (2021). City Planning in India, 1947-2017. *Rutledge, New York*.

### **Papiya B. Raut**

1. Papiya Bandyopadhyay Raut (2021). Spatio-sectoral SWOC Analysis & Modified Land Utilisation Categories as basis for and Integrated District Development Plan for Chittoor. *SPACE Journal*. Vol.23, No.3-4.



### **Sairam Dasari**

1. Application of fractal Analysis in evaluation of urban road networks in small sized city of India: Case city of Karimnagar, Sairam Dasari, Sanjay Gupta, Transportation Research Procedia 48 (2020) pp. 1987 – 1997.
2. (Unlisted) Resurgence of Active Transport as an alternate mobility option during and post COVID-19 pandemic in urban areas, Sairam Dasari, Sanjay Gupta, 69 National Town and Country Planners conference “ SDGs in the context of COVID-19”, Feb 2021, Visakhapatnam.
3. Exploring E-commerce delivery distribution using Unmanned Aerial Vehicles (Drones) in South Delhi, Arun Kumar, Sairam Dasari, Urban Mobility India Conference, 2021

### **13. Details of Membership in Committees/ Editorial Boards/ Any other**

#### **Mahavir**

##### **National Committees**

1. Expert Member, Slection Committee for Faculty, IIT Roorkee
2. Expert Member, Selection Committee for Faculty, IIT Kharagpur
3. Expert Member, Selection Committee for Faculty, IIT Guwahati
4. Expert Member, Selection Committee for Faculty, SPA, Vijayawada
5. Examiner, Ph.D. Examination Committee, VNIT, Nagpur
6. Examiner, Ph.D. Examination Committee, SPA, Vijayawada

#### **Ashok Kumar**

##### **National Committee**

1. Member, Senate, SPA, Bhopal, Madhya Pradesh
2. Member, Senate, SPA, Vijayawada, Andhra Pradesh
3. Member, Strategic Academic Advisory Board, Xavier Center for Urban Management and Governance, Xavier University, Bhubaneswar, Odisha
4. Member. Board of Studies, School of Planning and Development, Sushant University, Gurugram, Haryana
5. Member, Spatial Planning Expert Committee, Ministry of Rural Development, Government of India, New Delhi

##### **International Committee**

1. Member, Executive Board, GCRF, Water Security and Sustainable Development

## **Editorial Board**

1. Editor, Editorial Board, ITPI Journal (till February 2021)

## **Poonam Prakash**

### **National Committees**

1. Committee Member, Major Research project, NIRMA University
2. Member Faculty Promotion Evaluation Committee, IIT Mumbai
3. Midterm Jury, SPA Bhopal
4. Chairperson, Land Pooling, IUDI
5. Examiner/Paper Setter Dayalbagh Educational Institute, Agra
6. PhD Examiner/Paper Setter SPA, Vijayawada,
7. Thesis Jury and Studio Discussion, SPA Vijayawada
8. NATA
9. NOSPLAN
10. Course Teacher, Preparation of Baseline Data and Assessment in Collaboration with Kochi Smart Cities, Kochi Smart Cities
11. Examiner/paper setter, Thesis Jury, NIRMA
12. Committee Member, Board Meeting, AUD, Delhi
13. Examiner/Paper Setter, Master Plan Proposals Stage, SPA Vijayawada
14. DRC Member, NIRMA

## **Mayank Mathur**

### **Any other information**

#### **As Ph.D. Examiner**

- As PhD examiner for Murthal on 6 July 2020
- As PhDs external examiner for two PhD scholars of GNDU, Amritsar on 28 September 2020 and 21 October 2020
- As PhD examiner for Nagpur University on 9 October 2020
- As PhD external examiner for MANIT Bhopal on 16<sup>th</sup> June 2021
- As PhD external examiner for IIT Kharagpur (Examiner's report submitted)

#### **Member of DRC**

- PhD DRC member for Chitkara University for their PhD programme held on 2 December 2020
- Member of RDC for PhD at MANIT Bhopal and RDC held on 14 July 2021

#### **Master Degree**

- As external examiner for third semester, Master of Urban Housing for CEPT, Ahmedabad on 11 November 2020

- As external examiner for Planning Thesis II of M Planning (Town and Country Planning) COEP Pune on 25<sup>th</sup> June 2021.
- As external examiner for Masters of Planning Thesis examination for DCR University of Science and Technology, Murthal, Sonipat

### **Bachelor's Degree**

- As external examiner for B Plan III year VI semester Master Plan Studio for SPA, Vijayawada on 23 June 2021

### **Member of Board of Studies**

- Member Board of Studies at Pandit Lakhmi Chand State University of Performing & Visual Arts, PGBOS&R Meeting held on 5 July 2021
- Invited for the First Induction of M Planning Course at SOA Pune on 10<sup>th</sup> August, 2021

### **Others**

- Worked as Member of Workshop organized by NTA on 28-30 November 2020
- As judge for NOSPLAN competitions held on 26 January 2021
- As Secretary Education Standing Committee, ITPI

### **Dr. Rabidyuti Biswas**

#### **National Committees**

1. Secretary, Town Planning Examination Board, ITPI
2. Member, Professional Standing Committee, ITPI
3. Expert Member, Department Research Committee, Amity School of Architecture and Planning, Amity University, Haryana, 2020-2021.
4. Member, Jury of National Geospatial Awards organised by FICCI, New Delhi, October 2020.

#### **Editorial Board**

1. Reviewer of technical paper, Habitat International, Elsevier
2. Reviewer of technical papers, Creative Space, Architecture and Planning Journal
3. Reviewer of technical papers for selection in the conference, Technical Committee of National Online Conference on Planning, Design and Management – 2021 organised by Town Planning Section, Civil Engineering Department, College of Engineering Pune

#### **Any other**

1. Examiner, PhD thesis jury of MANIT Bhopal, March, 2021

2. Examiner, Dissertation jury of student of 46th APPPA participant of IIPA, April 2021
3. Examiner, PhD thesis jury of GD Goenka University, March 2021
4. Examiner, PhD thesis jury of NIT Calicut, March 2021.

**14. Conferences, Exhibitions, Seminars or Workshops Organized**  
NIL

**15. Papers Presented in Seminars, Workshops, Conferences, etc.**

**Ashok Kumar**

1. Presented paper *Water Sensitive Planning* In three days (26.02.2021 – 28.02.2021) National Conference “69 National Town and Country Planners’ Conference 2021”, organized by the ITPI, New Delhi at Vishakhapatnam, Andhra Pradesh.
2. Presented Paper *Planning Education* in one day International Conference Urban Thinkers Session – II, held on 30.10.2020, at Ansal University.
3. Presented Paper Post Covid-19 Inclusive Planning and Development in National Seminar “ Post Covid-19 Planning of Cities and Towns” on 02.05.2020, held at New Delhi.

**Poonam Prakash**

1. Presented paper in the online Delhi Master Plan 2041 an approach to responsive planning, organized by the DrC, ITPI, on 27.11.2020.
2. AESOP
3. HSMI

**16. Participation of Faculty Members in Seminars, Workshops, Conferences, Exhibitions, etc.**

**Mahavir**

1. Moderator, ‘Mapping Urban Data Gaps’, International Webinar, Geospatial Media and Communications, May 29, 2020 (online).
2. Participated, ‘The Rise of Drones’, International Webinar, Geospatial Media and Communications, June 25, 2020 (online).
3. Participated in the discussion – Conference, ‘Architecture of Equipose’, Association of Architects, Assam, 18 July 2020.
4. Opening Remarks and Moderator, ‘Digital Twins for Smart Cities’, International Webinar, Geospatial Media and Communications, August 28, 2020 (online).
5. Participated in the Lecture – Conference, ‘Sense N Sensibility’, organised by ACEDGE and Ethos, 01 October 2020 (online).

6. Participated in the Release – Conference, 'Formulation of Master Plans for Small and Medium Towns using Drone UAV Techniques: Design Standards and Specifications', TCPO, Ministry of Housing and Urban Affairs, 26 October 2020 (online).

#### **Ashok Kumar**

1. Key speaker in the session Missed Opportunities and Grand Plans. In three days (26.02.2021 – 28.02.2021) National Conference "69th ITPI National Town and Country Planners' Conference 2021", organized by the ITPI, New Delhi at Vishakhapatnam, Andhra Pradesh.

#### **Poonam Prakash**

1. Chairperson of Online Student Work Presentation on Land Polling during IUDI, on 20.02.2021.
2. Moderator Online "Experience Sharing Session" organized by the IQAC, SPA, New Delhi, on 07.07.2021.
3. Participated in invited Online Indo U.S. Knowledge Exchange for Resilient Future Cities Workshop, on 12.12.2020.
4. Participated in ITPI conference, at Hotel Novotel, Visakhapatnam on 26.02.2021.
5. Participated in the ISABS Online Training Programme Phase A Week 1 (from 03.12.2020) and Phase B Week 2 (from 19.01.2021).
6. Participated in the ITPI Networking Meet, on 12.01.2021.
7. Participated in the Webinar I on "Critical Urban Infrastructure: Identifying and assessing smart and green solutions for efficient disaster risk resilience", organised by the Institute of spatial planning (IRPUD) TU Dortmund University, on 06.05.2021.
8. Participated online in the Redevelopment of Railway Stations, organised by RLDA, on 29.05.2021.

#### **Mayank Mathur**

1. Participated as key Speaker in two days National Conference Industry India Conclave 2020, on 01.11.2020, held at Raipur, Chhattisgarh.
2. Chaired Session during TEQIP-III sponsored National Online Conference on Planning, Design and Management–2021, organized by Town Planning Section, Civil Engineering Department, College of Engineering, Pune 26 to 27 February 2021.

### **17. Membership of Professional Bodies**

#### **Mahavir**

Fellow, Institute of Town Planners India;

Life Member, IIPA;  
Life Member ISRS.

**Ashok Kumar**

Fellow, Institute of Town Planners India.

**Poonam Prakash**

Member, ITPI,  
Member, International Sociological Association.

**Mayank Mathur**

Fellow, Institute of Town Planners India.

**Rabidyuti Biswas**

Fellow of Institute of Town Planners, India,  
Fellow Member of International Congress of Environmental Research.  
Life member, Indian Water Resource Society, Roorkee.  
Member, Institute of Urban Transport, India.  
Member of Institution of Engineers, India.  
Life Member, Indian Society of Remote Sensing

**Priti Deo**

Associate Member, Institute of Town Planner, India;  
Member, Regional Science Association, India;  
Member, National Association of Geographers, India;  
Member, Institute of Urban Transport, India;  
Member, Indian Society for Remote Sensing.

**Papiya Bandyopadhyay Raut**

Associate Member, Institute of Town Planner, India.

**Piyoosh Singh**

Member, ITPI.

**Sairam Dasari**

MIUT, AITP

**Honey Jalali**

Associate, Institute of Town Planners India;  
Member, Indian Institute of Architects.

## **18. Any Other Information of Relevance**

### **Prof. Dr. Mahavir**

Dean (Academic) upto August 2020; Head of the Department since January 2021

### **Mayank Mathur**

As co supervisor for One PhD student outside SPA, New Delhi (Report submitted by the student)

### **Priti Deo**

#### **Training Program:**

- Five-day Faculty Development Programme cum Quality Improvement Programme titled Geoinformatics Application in Planning in organized by Department of Regional Planning, School of Planning and Architecture, New Delhi in collaboration with Environmental System Research Institute (ESRI) and Urban Narratives from 14 December to 18 December 2020.

#### **Webinars and Special Lectures**

- Attended webinar on Subsurface Utility Engineering- Part-II (Focus on Ground Penetrating Radar) organized by AF Academy on May 15, 2020.
- Attended webinar on Revisiting of Planning Practices & Education for New Normal on May 23, 2020 organized by ITPI, New Delhi
- Attended webinar on Mapping the Urban Data Gaps on May 29, 2020. Hosted by Shreya Chandola, Dr. Vishnu Chandra, Dr. Sultan Singh, PLN Raju, Prof. Dr. Mahavir, Kanwaldeep Singh Kahlon.
- Attended Special Lecture on "Land Administration in India: Issues and Challenges" by Mr. B.K. Agarwal on 24th June.
- Attended Special Lecture on 'Smart Cities Idea and implementation' on July 3, 2020.
- Attended Web Seminar on 'Role of Geo-spatial Technology for Civil Engineers & Town Planners in Making New India' on 24 June, 2021 organized by ESRI India.

### **Papiya Bandyopadhyay Raut**

Availed Child Care leave from 11th January 2021 to 7th May 2021; during this period taken up teaching of theory subjects.



## 2.3 DEPARTMENT OF ARCHITECTURAL CONSERVATION

### 1. Academic Programs Offered by the Department

- Master of Architecture (with specialization in Architectural Conservation)
- Ph.D. Programme in Architecture Conservation

### 2. Year of Establishment of the Department: 1986

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	CoA Reg. No.
Anuradha Chaturvedi	B.Arch.; M.A. Conservation Studies (U.K.); Certificate in Archaeological Conservation Post Graduate Diploma, Artificial Intelligence & Machine Learning (UT, Austin & Great Lakes)	Associate Professor  Head of the Department of Architectural Conservation	Architectural Conservation, Historic Urban Landscapes and Cultural Landscapes, Sustainable Development, Heritage Information Management Systems.	CA/1986/10073
Priyaleen Singh	Ph.D.(U.K.); M.L. Arch.; M.A. Conservation Studies (U.K.); Cert Course Conservation	Professor	Urban Conservation, Cultural Landscapes, Historic Gardens	CA/82/6906

	of Historic Towns (Florence, Italy), B.Arch.			
T. Lakshmi Priya	B.Arch, M.Arch (AC); Certificate in RRCH (ICCROM, Italy)	Assistant Professor	Heritage Management and Integrated Urban Conservation	CA/93/16037
Bharti Sikri	B.Arch.; M.Arch	Assistant Professor (on Contract)	Architectural Conservation	CA/2013/60157

#### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/Week
Anuradha Chaturvedi	I	Foundation Course: History, Theory and Criticism (Theory)	1
	II	Emerging Paradigms (Theory)	1
	II	Conservation Studio (Studio)	8
	III	Conservation Studio (Studio)	8
	III	Research Paper I (Theory)	1
	IV	Research Paper II	1
Priyaleen Singh	I	History Theory of Conservation	1
	I	Design studio	4
	II	Historic gardens (elective)	1
	III	Design studio	4
	IV	Design studio	8
T. Lakshmi Priya	I	Management of Historic Building Systems (Theory)	1
	I	Conservation Studio(Studio)	12
	II	Integrated Urban Conservation (Theory )	1

	II	Cultural Landscapes (Theory)	1
	III	Inter Department Elective ( Theory)	2
	III	Heritage Economics (Theory)	1
	III	Conservation Studio(Studio)	4 Studio
	IV	Conservation Studio(Studio)	12
	IV	Management Seminar (Theory)	2
Bharti Sikri	I	Building Material and Structural Systems	1
		Architectural Conservation Studio	8
	II	Building Material and Structural system II	1
		Urban Conservation Studio	4
		Inter Departmental Elective	2
	III	Research Paper I	1
		Departmental Elective	2
		Cultural Landscape studio III	4
		Heritage Tourism	1
	IV	Research Paper II	2
Thesis Studio		8	

## 5. Details of Teaching Work Undertaken in Other Departments

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
T. Lakshmi Priya	IX September to Dec, 2020	B Arch Dissertation titled "Functional Heritage Seeing the Past as the Future"	2
	III September to Dec. 2020	Interdepartmental Elective Assessing the Impact of Development projects on Heritage	2
Bharti Sikri	II	Heritage tourism and relevance for sustainable development	2

## 6. Details of Teaching Work Undertaken by Visiting Faculty

S.No.	Name of the Faculty	Semester	Subjects (Theory and Studio)	Hrs/ Week
1	Mr. Shubham Mishra	I	GIS Basis (Theory)	2
2	Mr.R.S. Jamwal	I	Building Materials and Structural Systems (Theory)	1
3	Dr.Rima Hooja	I	Foundation Course(Theory)	1
4	Dr. Yaaminey Mubayi	III	Research Paper(Theory)	1
5	Mr.Satish Pandey	I	Conservation Lab(Theory)	1
6	Ms. A Vijaya	I	Management of Historic Building Systems (Theory)	1
		IV	Conservation Studio-4 (Studio)	4
7	Ms.Chetna Singh	I	Planning for Conservation (Theory)	0.5
8	Prof.Dr. Neha Tripathi	I	Planning for Conservation (Theory)	0.5
9	Ms.Harshita Deo	I	Planning of Conservation (Theory)	0.25
10	Prof. Dr. Sewa Ram	I	Planning of Conservation (Theory)	0.25
11	Ms. Shahena Khan	I	Oral and Visual Communication (Theory)	1
12	Ms. Shahena Khan	II	Department Elective (Theory)	1
		II	Conservation Studio-2	8
13	Mr. Shubham Mishra	II	GIS Advanced (Theory)	2
14	Ms. Shaista Perveen	II	Department Elective (Theory)	2

		III	Conservation Studio-3	4
15	Mr. Sukanta Saha	IV	Conservation Studio-4	4
16	Mr. Azfar Ahmad	III	Department Elective (Theory)	2
17	Ms. Nupur Prothi Khanna	III	Conservation Studio-3	2
18	Mr. Richard Barraud	I	Conservation Studio-1	2
19	Ms. Sangeeta Bias	I	Conservation Studio-1	1
20	Ms. Smita Dutta Makheeja	II	Conservation Studio-2	8
21	Ms. Vartika Sharma	II	Heritage Law and Jurisprudence	1

## 7. Details of Studio Work Undertaken by Students

S. No.	Semester	Title of the Studio Assignment and Brief Description
1	I	<p><b>Title :Conservation and Management Strategies for the sustenance of the values of the irreplaceable Cultural Resources in our cities</b></p> <p>In today's context cities all over the world are fighting the COVID-19 pandemic, and as we get used to this „new normal“, it is important to realize the values of the heritage assets in our cities and neighbourhoods. The deficiencies in the existing heritage management in the country has made our cultural resources extremely vulnerable. There is a need to identify and recognize the values of the existing heritage structures/sites in our cities and ensure its sustenance for the future generations.</p> <p>The aim of this studio exercise was to identify and examine the values of the heritage structures and formulate strategies for their protection and management in the present context.</p>

		<p>The students selected individually, heritage structure/sites in their neighbourhoods or cities, for a detailed study. They conducted systematic research and primary surveys. The outputs included detailed architectural documentation, assessment of significance, mapping of condition of the heritage structures, materials and vulnerabilities, mapping the interventions both at the building level and the site. Issues were identified and comprehensive proposals were formulated for the conservation and management of the heritage resources</p>
2	II	<p><b>Re-Envisioning the future of historic towns in India: Devising sustainable urban conservation and integrated heritage management approaches for UrbanHeritage</b></p> <p>Covid-19 pandemic has brought to the fore the necessity to rethink critical issues regarding Integrated Urban Conservation and sustainable management of heritage resources such as our historic towns and cities, and indeed, to re-examine the distinctive nature of urbanity — morphologies, social systems, urban networks, densities, continuities, - in our historic towns. The recent pressures due to uncontrolled commercialization, changing land uses and transportation systems, and increasing population densities are resulting in deterioration of the historic urban systems, obsolescence of the distinctive residential buildings and loss of heritage resources.</p> <p>There is a need to devise appropriate, implementable and sustainable urban conservation policies, strategies and plans that can integrated within the urban planning framework for sustainable survival of historic settlements inIndia.</p> <p>The studio aims for the formulation of sustainable, integrated urban conservation plans and innovative management strategies for urban heritage.</p> <p>The students selected distinctive historic settlement pan India and understood the concepts of „shared heritage“ for the community. They further developed the role of various urban systems and their inter-relational dynamics which gives the historic towns a distinctive and legible form. They further identified historic and current agents</p>

		and patterns of transformation in these settlements. Final proposals were prepared for the development of innovative models of integrated and participatory conservation, supporting improved quality of life and habitat through the integration of conservation with sustainable development imperatives.
3	III	<p><b>Integrated urban conservation within a cultural region: plan development &amp; valuation of sustainable heritage interventions – vision 2020: Karaikal, Pondicherry.</b></p> <p>Global Covid-19 pandemic, associated lockdown and economic impact has not only highlighted the shared aspects and essential interconnectedness of the world today, but has also brought to the forefront the necessity for equitable, resilient and innovative approaches that integrate urban areas with their hinterland for balanced and sustainable development. The diverse heritage resources of our historic towns, cultural landscapes and cultural regions are recognized as resources for sustainable, participatory development, and are needed to be integrated into the planning framework.</p> <p>The students learnt the process for the preparation of Heritage Resource inventories and Cultural Resource Management Systems for the selected Historic Urban Landscape, Cultural Landscape or Cultural region. This was further evaluated against the existing development trends and critical issues such as delineation of eco-sensitive zones, risk preparedness and climate change. The students formulated comprehensive proposals supported by the techniques of cost-benefit analysis and economic viability for individual historic sites and historic housing, urban conservation, cultural landscapes conservation projects.</p>

## 8. List of Thesis Topics

S. No.	Enrolment No.	Name of the Student	Thesis Topic	Name of Guide
1	SPA/NS/A C/879	Deepanshi Singh	Conservation Strategies for Historic Town Sultanj Ganj, Bihar	Prof. .Dr. Priyaleen Singh,



2	SPA/NS/A C/881	G Teja Sai Chandra	Conservation Strategies for built heritage in General Bazar, Secunderabad	Asst. Prof. T. Lakshmi Priya, Contract faculty Bharti Sikri, Arch. Sukhanta Saha, Ar. A. Vijaya
3	SPA/NS/A C/882	Gayathri M.R.	Integrated Conservation Strategies for the historic precinct of Chittur, Palakkad, Kerala	
4	SPA/NS/A C/883	KeerMallika Rajesh Resham	Conservation Strategies and Adaptive Reuse of Ghadiyal Godi, Mumbai Port Trust Complex	
5	SPA/NS/A C/884	Manthan Uday Joshi	Urban Conservation Plan for Achalpur, Varhad, Maharashtra	
6	SPA/NS/A C/885	Nisha Baraturam Mandavi	Conservation Management Plan and Adaptive reuse of Komakhan Badaprecinct	
7	SPA/NS/A C/886	Nouman Ahmad Siddiqui	Conservation Management Plan for Machhli Bhawan, Rampur, UttarPradesh	
8	SPA/NS/A C/887	Padmapriya G	Conservation strategies and adaptive reuse of	
			Kalyanamahalchatram, Thiruvaiyaru(the music capital of Tamilnadu)	
9	SPA/NS/A C/888	Prashant Kumar	Restoration and Adaptive Reuse of the Krishna Palace, Thikana Athana, Madhya Pradesh	
10	SPA/NS/A C/890	Saikamala R	Conservation Management Plan of Historic Town of Karkala, Udupi	
11	SPA/NS/A C/891	Satishbabu Deshmukh S.	Conservation Management Plan of Basavakalyan Fort, Basavakalyan	
12	SPA/NS/A C/892	Shubham Prajapati	Integrated Urban Conservation of Thikana Mahar Kalan, Jaipur, Rajasthan	
13	SPA/NS/A C/893	Sukan V.	Integrated conservation plan for the historic settlement of Avinashi	

14	SPA/NS/ AC/894	Syed Tajudeen N.	Conservation Strategies for Historic Settlement of Pulicat, Tamil Nadu	
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## 9. Details of the Ph.D. Thesis Topics

S. No.	Year of Enrollment	Name of the Student	Thesis Topic	Name of the Guide(s)
1	2016 - 17	Ms. Bulbul Shukla	Colonial Urban Open Space and its image transformation.	Priyaleen Singh, Anand Wadwekar
2	2018-19	Ms. Shalini Dasgupta	Evaluating comfort in Historic buildings in India: Heritage hotels in Hot-Humid climate	Priyaleen Singh, Shweta Manchanda
3	2018 - 19	Ms. Ibynta Bakmen Tiewsoh	Community led approach towards a sustainable model of Rural tourism to conserve the built and natural heritage of Meghalaya	Priyaleen Singh
4	2018 - 19	Mr. Divay Gupta	Converging mythologies and geographies in creating multiple manifestations of Kashi	Priyaleen Singh
5	2019 - 20	Ms. Mekhla Parihar	Displaced Cultural Heritage and built environment: case of women of Sahariya Tribe of Madhya Pradesh.	Priyaleen Singh
6	2019 - 20	Ms. Meenal Swapnil Rohankar	Spirit of the Place manifested in sacred space making: Sacred groves of Madheib as in Western ghats of Goa.	Priyaleen Singh

## 10. Details of Research Projects

Name of the Project	Funded/ sponsored by	Name(s) of other Faculty in the Team (if applicable)	Name of the Project Coordinator
From Lab to Conservation Site: Research on performance of improved traditional materials and techniques. India- Italy Scientific and Technological Programme 2017-19 Collaborative research project between CNR-IGG (Italian Research Council, Florence) and SPA. Final Reports.	Department of Science and Technology, Government of India and Department of International Cooperation, Government of Italy	Assistant Professor T. Lakshmi Priya (Co-Investigator)	Associate Professor Anuradha Chaturvedi (Principal Investigator)
Research collaboration entitled 'Havelis of Shahjehanabad: Knowledge, Awareness Enhancement' co-developed with the focus on the use of GIS and a database for conservation and management of the historic and traditional housing stock of Shahjehanabad. December 2020-October 2021.	In collaboration with Department of Housing, SPA, Delhi and the Department of Architecture e Design, Politecnico di Torino	Assistant Professor Harshita Deo, Department of Housing Bharti Sikri , Assistant Professor on Contract Basis	Associate Professor Anuradha Chaturvedi (Co-Principal Investigator)
Joint research awarded (2021-23) under the Social Sciences and Humanities Research Council (SSHRC) of the	Collaboration between Prof. Shannon Bassett of McEwen		Associate Professor Anuradha Chaturvedi

Government of Canada on Reducing Risk, Raising Resilience: Recovering the Public Spaces of Shahjahanabad through Participatory Ecological Urbanism . (Awarded in June 2021- MoU in process)	School of Architecture (MSoA), Laurentian University Canada, and initially with SPA Department of Architectural Conservation Government of Canada program for Insight Grants		(Research collaborator)
Design Innovation Centre, wEConserve project	Ministry of Human Resource Development	Bharti Sikri, Assistant Professor on Contract Basis	Associate Professor, Anuradha Chaturvedi

## 11. Details of Consultancy Projects

Name of the Project	Name of the Client	Name (s) of the Faculty	Name of the Team Leader
Heritage Impact Assessment for Construction on Jamia Campus in close vicinity of Tughlaquabad.	Jamia Hamdard University	--	Anuradha Chaturvedi
Heritage Impact Assessment for 14 monuments along the RRTS Sarai Kale Khan to SNB Corridor alignment of	National Capital Region Transport Corporation	Sanjukta Bhaduri, Priyaleen Singh, Sewa Ram, T. Lakshmi Priya, Salman Khursheed	Anuradha Chaturvedi

The RRTS in Delhi.			
Sector Advisor on Heritage for formulation (for Base lining, Visioning and Goal Setting) of the Delhi Master Plan 2041.	DDA and NIUA	Anuradha Chaturvedi	Anuradha Chaturvedi
Comprehensive Conservation Management Plan for National Archives of India (NAI), New Delhi.	National Archives of India, Ministry of Culture	T. Lakshmi Priya , Core team members: Retd. Prof. Nalini Thakur, Saptarishi Sanyal, Sanjay Bharadwaj, Deepika Saxena	T. Lakshmi Priya

## 12. Details of Publications

### Anuradha Chaturvedi

1. Chaturvedi, Anuradha (2020). Paper entitled „Early Scientific Investigations on Earthquakes in India: Influence of Japanese Seismologists on the development of Earthquake resilient construction in North-East India“ in proceedings of the International Conference on “India - Japan Narratives: Lesser known Historical and Cultural Interactions“ ed. Sushila Narasimhan. MOSAI, E-publication, 2020. ISBN 978-81-95255-60-3
2. Chaturvedi, Anuradha. Primary Thematic Study Chapter on „Hill Stations and Associated Settlements“ in State of Built Heritage of India: Case of the Unprotected ed. Malvika Bajaj Saini. Pp. 469 - 484. INTACH, New Delhi. 2020. ISBN 978-93-82343-16-5
3. Chaturvedi, Anuradha (2020). Drawings of Vernacular Houses in section on “Arunachal Pradesh“, Photographs and Text in sections on “Uttar Pradesh“ and “Heritage at Risk Register“, in State of Built Heritage of India: Case of the unprotected ed. Malvika Bajaj Saini. Pp. 114, 117, 389, 390, 594, 620, 621, 622. INTACH, New Delhi. 2020. ISBN 978- 93-82343-16-5

4. Cristina Boido, Anuradha Chaturvedi, Gianluca D'Agostino (2020). „Cultural heritage and its enjoyment in pandemic times: comparison of cultural approaches in India and Italy“ in proceedings of XIX International Forum „Le Vie Dei Mercanti“ on World Heritage and Design For Health, Naples, 15 July 2021, organized by Benecon University Consortium UNESCO Chair on Landscape, Cultural Heritage and Territorial Governance.
5. M. Benente, A. Chaturvedi, G. D'Agostino and V. Minucciani (2020). "Cultural perception of accessibility and the role of heritage: the Havelis in Shahjahanabad (Old Delhi)" in "AHFE 2021 Virtual International Conference on Design for Inclusion Proceedings: Advances in Industrial Design", ed. Sungsoo Shin, C. et al, Springer. ISBN 978-3-030- 80829-7, ISSN 2367-3370

### **Priyaleen Singh**

#### **Chapters in books**

1. 'Restoring and Nurturing the „Nature-Human“ bond through conservation of Historic gardens" in Chalana, M., Krishna, A. (ed) Heritage Conservation in Post colonial India: Approaches and Challenges. Routledge, New York. 2021 ISBN no.9780367619947
2. 'Thematics: Historic gardens" in State of Built heritage of India: Case of the Unprotected. INTACH, New Delhi. 2020 pgs 485-495 ISBN no. 9789382343165
3. 'The Weave of Natural and Cultural Ecology: Ekamrakshetra, the Historic Temple Town of Bhubaneswar, India" in Farhat, G. (ed) Landscapes of Preindustrial Urbanism Dumbarton Oaks publication Trustees for Harvard University, Washington, D.C. 2020 pgs 193-222 ISBN no. 9780884024712

#### **Articles in journals/ newspapers**

1. A Contemporary Indian garden in Chiang Mai in Family Interiors Vol 1 Issue # 4, July Sept 2020

### **13. Details of Membership in Committees/ Editorial Boards/any other**

#### **Anuradha Chaturvedi**

##### **National Committees**

1. Chairperson of Building Lime and Gypsum Products Sectional Committee, CED4, Bureau of Indian Standards(BIS), Manak Bhawan, New Delhi.

2. Member, Council, Civil Engineering Division, Bureau of Indian Standards(BIS),Manak Bhawan, New Delhi.
3. Member, Sub-Committee on Heritage BIM for Rashtrapati Bhavan, CPWD.
4. Member of Working Group and Convener of BIS Panel for Handbook on Limes and revision of IS712, Manak Bhavan, New Delhi.

#### **International Committees**

1. Member, Scientific Committee, of 'Journal of Traditional Building, Architecture and Urbanism', published online by International Network of Traditional Building, Architecture and Urbanism (INTBAU Spain) ([www.traditionalarchitecturejournal.com](http://www.traditionalarchitecturejournal.com)).

#### **Editorial Boards/ Scientific Committees**

1. Member, Scientific Committee and Peer Review Board of ICOMOS Scientific Symposium on „Cultural Landscapes: Transformations & Emerging Ideas“.
2. Member, Publications Committee, School of Planning and Architecture, NewDelhi

#### **Any Other**

1. Member, Senate, School of Planning and Architecture, New Delhi
2. Member, Architectural Faculty (Board of Studies) of Chandigarh University
3. Member, Selection Committee, Masters programme in Architectural Conservation,School of Planning and Architecture, New Delhi
4. Member, Advisory committee, Department of Architectural Conservation, Schoolof Planning and Architecture, New Delhi
5. Member, Library committee, School of Planning and Architecture, New Delhi
6. Member,Sub-Committee of Delhi Urban Heritage Foundation constituted to review the Delhi Urban Heritage Foundation Regulations,1999.
7. Member, ICOMOS India
8. Founding Member, Indian Conservation Architects Community (ICAC)
9. Member, Moderation Committee, Department of Architectural Conservation, SPA-D

#### **Priyaleen Singh**

#### **National Committees**

1. Member, Board of management, Delhi Institute of Heritage



- Research and Management, Delhi Government.
2. Member Senate, School of Planning and Architecture, New Delhi
  3. Member, Board of Governors, SPA, Delhi
  4. Member ISOLA Education board
  5. Member Delhi Urban Heritage Foundation“ DDA, Delhi
  6. Member, Building Committee of Delhi University.
  7. Research contribution to „National Register of Historic gardens“, INTACH listingcell project
  8. Member, ICOMOS India
  9. Member, Evaluation Committee for financial assistance to conservation ofunprotected monuments. ASI Government of India.

### **Editorial Boards**

1. Member, Editorial board, „Architecture: Creative space“ Chitkara University
2. Member, Peer review board, THAAP journal, Lahore

### **Any Other**

1. Chairperson DRC of Department of AC, School of Planning and Architecture, New Delhi
2. Member Advisory committee, Department of AC, School of Planning and Architecture, New Delhi
3. Member, Moderation Committee, Department of Environmental Planning, School of Planning and Architecture, New Delhi
4. Member, Anti –Ragging Committee , SPA, Delhi .
5. Member, Selection Committee, Masters programme in Landscape architecture, School of Planning and Architecture, New Delhi
6. Member, Committee to look into service book records, School of Planning and Architecture, New Delhi
7. Member, DRC, Dept. of Conservation, School of Planning and Architecture, Bhopal
8. Member DRC, Department of Urban design, School of Planning and Architecture, New Delhi
9. Member, DRC, Dept. of Landscape architecture, School of Planning and Architecture, New Delhi

### **T. Lakshmi Priya**

#### **National Committees**

1. Member, ICOMOS India

### **Any Other**

1. Member, Moderation Committee, Department of Architectural Conservation, SPA-D
2. Member, Selection Board for admission to Masters programme, Department of Architectural Conservation, SPA-D
3. Member of Advisory Committee, Department of Architectural Conservation, SPA-D
4. Member, Investment Committee, SPA-D
5. Member, Committee to collect and evaluate quotations for SPACE Journal, SPA-D

### **14. Conferences, Exhibitions, Seminars or Workshops Organized**

#### **Anuradha Chaturvedi**

1. Coordination and organization of Inception webinar for a research collaboration entitled 'Havelis of Shahjahanabad: Knowledge, Awareness, Enhancement' under MoU between Politecnico di Torino, Italy and SPA, Delhi, 19th December 2020.
2. Prepared collaborative proposal (follow-up to the previous 3 year researcher exchange DST project 2017-19) for the India -Italy Bilateral Cooperation 21-23 'Significant Project: Comparison of natural and synthetic additives/ protectives for sustainable conservation of historic plasters and renders in India ' by the Department of Architectural Conservation, SPA, Delhi and the IGG Branch of the CNR (Scientific Research Council), Florence, Italy. 30<sup>th</sup> April, 2021.
3. Coordinated "Complex Pasts: Diverse Futures in historic urban contexts" webinar organized on World Heritage Day 2021 by the Department of Architectural Conservation and the Department of Housing at the School of Planning and Architecture, New Delhi in collaboration with the Department of Architecture & Design, Politecnico di Torino & ICOMOS India North Zone on 18th April 2021.

#### **T. Lakshmi Priya**

1. Compere and Coordinator for the webinar " Complex Pasts : Diverse Futures in historic urban contexts " webinar organized on World Heritage Day 2021 by the Department of Architectural Conservation and the Department of Housing at School of Planning and Architecture, New Delhi in collaboration with Department of Architecture, and Design, Politecnico di Torino and ICOMOS India North zone on 18th April 2021

### **Bharti Sikri**

1. Coordination and organization of Inception webinar for a research collaboration entitled 'Havelis of Shahjahanabad: Knowledge, Awareness, Enhancement' under MoU between Politecnico di Torino, Italy and SPA, Delhi, 19th December 2020.
2. Compere and Coordinator for the webinar “Complex Pasts: Diverse Futures in historic urban contexts” webinar organized on World Heritage Day 2021 by the Department of Architectural Conservation and the Department of Housing at the School of Planning and Architecture, New Delhi in collaboration with the Department of Architecture & Design, Politecnico di Torino & ICOMOS India North Zone on 18th April 2021.

## **15. Papers Presented in Seminars, Workshops, Conferences, etc.**

### **Anuradha Chaturvedi**

1. Paper entitled "Cultural perception of accessibility and the role of heritage: the Havelis in Shahjahanabad (Old Delhi)" co-authored by Anuradha Chaturvedi with M. Benente, G. D'Agostino and V. Minucciani from the Department of Architecture & Design, under the MoU signed with the Politecnico di Torino, presented online at the “AHFE 2021 International Conference”, within the topic “Design for inclusion” on 27<sup>th</sup> July, 2021, and published in Proceedings by Springer.
2. Paper entitled 'Heritage tourism in Old Delhi: a second life for the historic havelis of Shahjahanabad' co-authored by Anuradha Chaturvedi (SPA,D), Gianluca D'Agostino and Valeria Minucciani (PoliT), , under the MoU signed with the Politecnico di Torino , accepted for presentation at the International Conference „Sense of Past and Sense of Place: Designing Heritage Tourism“ organised by Universita IUAV, Venice , Italy, scheduled for 14-16th September, 2021.
3. Presented paper on „Cultural heritage and its enjoyment in pandemic times: comparison of cultural approaches in India and Italy“ online jointly with Cristina Boido, Anuradha Chaturvedi, Gianluca D“Agostino (as part of activities under MoU with Politecnico di Torino) at the XIX International Forum „Le Vie Dei Mercanti“ on World Heritage and Design For Health, Naples, 15 July 2021, organized by Benecon University Consortium UNESCO Chair on Landscape, Cultural Heritage and Territorial Governance.
4. Participation and online presentation of a paper on the innovative Traditional & Historic water systems of Ladakh at an online Webinar

"Urban -Rural Linkages from the perspective of Environment and Water History' on 19th May, 2021, organised by UN-Habitat and University Mohamed Khider of Biskra, Algeria in partnership with IWHA (International Water History Association) and GHZH (Grouped'Histoire des Zones Humides). To be published.

### **Priyaleen Singh**

#### **Conference presentations**

1. Central Vista Redevelopment: Conservation, Continuity and Change Invited as panelist for Webinar organized by Institute for Development and Communication(IDC) Chandigarh. 10 July 2021.
2. Rethinking vernacular architecture: the need for future contexts Invited as panelist for Webinar organized by National Scientific Committee ICOMOS India. 25 July 2020.

### **Bharti Sikri**

1. Presented "Heritage and its Conservation through wEConserve application" at the webinar conducted under research collaboration entitled 'Havelis of Shahjahanabad: Knowledge, Awareness, Enhancement' under MoU between Politecnico di Torino, Italy and SPA, Delhi, 19th December 2020.

#### **16. Participation of Faculty Members in Seminars, Workshops, Conferences, Exhibitions, etc.**

### **Anuradha Chaturvedi**

1. Completed part-time online one-year Post Graduate Programme on "Artificial Intelligence and Machine Learning", Great Lakes and University of Texas at Austin, April 2020-March 2021. Completed Capstone Project on Twin Headed Computer Vision Model (Object detection, Image classification & Graphic User Interface with relevance for application for heritage conservation), and Projects using Python, Matplotlib, Seaborn, Numpy, Pandas, Tensor Flow and Keras, with modules on Applied Statistics, ML-Supervised Learning, Ensemble Techniques, Unsupervised Learning, Featurisation, Model Selection and Tuning, Recommendation Systems, Deep Learning, Neural Networks including Convolutional Neural Networks, Computer Vision, Semantic Segmentation and Object Detection, Natural Language Processing, Generative Adversarial Networks. April 2020-March 2021.
2. Participated in the Twenty Second Meeting of the Building Limes and Gypsum Products Sectional Committee, CED4 on 27th July 2020

- through Video Conferencing as Chairperson, CED4 of the Bureau of Indian Standards (BIS).
3. Review and Assessment of Heritage sector provisions of the MPD-21 as inputs for the DDA-NIUA Baseline report on Heritage for MPD-41. (Online – July-Aug 2020).
  4. Participated as Sector Advisor (Heritage) at Action Committee Meetings (Review of MPD-2021) and Focussed Group Discussion (FGD) titled '*Approach towards regenerating Shahjahanabad*' for the formulation of the Master Plan for Delhi 2041, organized by NIUA and DDA, September 11th, 2020.
  5. Research collaboration entitled 'Havelis of Shahjahanabad: Knowledge, Awareness, Enhancement' co-developed with the involvement of the Department of Architectural Conservation and Department of Housing, SPA, Delhi and the Department of Architettura eDesign, Politecnico di Torino , with the focus on the use of GIS and a database for conservation and management of the historic and traditional housing stock of Shahjahanabad. December 2020- October 2021.
  6. Attended online workshop titled „Heritage on the Margins: Addressing Challenges and Opportunities of Working with Heritage Communities“, organized by Engage-India, 9th and 10th October, 2020.
  7. Attended online Vaibhav ('Vaishvik Bhartiya Vaigyanik') Summit, India, 2020, Session V2- AI & ML, organized by IIS and DST, 14<sup>th</sup>, 17<sup>th</sup>, 19<sup>th</sup> and 22<sup>nd</sup> October, 2020.
  8. Attended online certificate course on „Transforming Design Education & Communication using Immersive Technology“, 21-22 November 2020, SPA, Delhi and Trezi virtual reality.
  9. Participated in expert discussion on the projects for Mehrauli Archaeological Park, Tughlak Garden, VasantUdyan & Sheesh Mahal Park in perspective of historic landscapes and ecological regeneration, organized by DDA. 3rd December, 2020.
  10. Participated in and delivered a presentation on Lessons from Vernacular Architecture of Leh, Ladakh, at Webinar on „Energy Conservation & Planning and Design of Human Settlements“ organized by ENVIS Centre, SPA, Delhi, 15<sup>th</sup> December, 2020.
  11. Delivered a special lecture for the AICTE Online Faculty Development Programme (FDP) on „Heritage Management : Status, Challenges and Entrepreneurial Approach- Integration of Heritage resources for Sustainable Development Goals“ organized by the AICTE Training And Learning (ATAL) Academy, National Institute Of Technical Teachers Training And Research, Chandigarh, Ministry Of Education, 17th December, 2020.
  12. Delivered Online lecture and participated in the interactive

- discussion on “Heritage and Identity in the Doon Valley” for Heritage Himalayas- University of Tubingen Summer School „Rethinking Smart Cities as Smart and Sustainable Valleys: Dehradun and Tübingen“ on 18th December, 2020.
13. Prepared proposal for „virtual hands-on workshop“ on „Transcending the Pandemic: Lime-based sustainable and resilient building systems“, approved in principle, 24<sup>th</sup> December, 2020. Will be undertaken in Aug-Dec. 2021.
  14. Delivered a special lecture on Heritage Policy for Shahjahanabad for students of the Diploma programme on Heritage Management at the Intach Heritage Academy, INTACH, Lodhi Estate on Wednesday, 24th February, 2021.
  15. Participated as External Member at the online meeting of the Faculty of Architecture (BoS), Chandigarh University, April 16, 2021.
  16. Online Presentation on „Delhi -Heritage City“ for ENVIS Centre, SPA, Delhi, April 19<sup>th</sup> 2021.
  17. Attended CoSTAR Public Talk: Arches Getty Conservation Institute, webinar organized by CSMVS and the Mittal Institute at Harvard. 12<sup>th</sup> May, 2021.
  18. Participated in the Twenty Fifth Meeting of the Civil Engineering Division Council, CEDC on Wednesday, 23 June 2021 through Video Conferencing as Member of the Civil Engineering Division Council (CEDC) of the Bureau of Indian Standards (BIS).
  19. Invited resource person for online Faculty Development Program (FDP) on „Institutional Collaboration - An Approach To Architectural Pedagogy“ , organised by SCMS School of Architecture, Cochin, Kerala in association with the Council of Architecture, Pune , 23rd June 2021.
  20. Participated as External Jury Member for the subject “*Architectural Conservation Studio-II (MACO121)*”of Master of Architectural Conservation (I Year II Semester), School of Planning & Architecture, Vijaywada on 24th June 2021.
  21. Research collaborator for joint research awarded (2021-23) under the Social Sciences and Humanities Research Council (SSHRC) of the Government of Canada program for Insight Grants between Prof. Shannon Bassett of McEwen School of Architecture (MSoA), Laurentian University Canada, and initially with SPA Department of Architectural Conservation, Departments of Environmental Planning & Landscape Architecture (Associate Professor Anuradha Chaturvedi and Professor Dr Meenakshi Dhote) on “Reducing Risk, Raising Resilience: Recovering the Public Spaces of Shahjahanabad through Participatory Ecological Urbanism”. (Awarded in June 2021-MoU in process).
  22. Participated as a key contributor in specialist consultation on SoBHI

- (State of Built Heritage of India: Case of the Unprotected) organized by Architectural Heritage Division of Indian National Trust for Art and Cultural Heritage online on Friday, 2nd July, 2021.
23. Participated in Meetings of the Building Limes and Gypsum Products Sectional Committee, CED4 on 12<sup>th</sup> and 24<sup>th</sup> July 2021 through Video Conferencing as Chairperson, CED4 of the Bureau of Indian Standards (BIS).
  24. Invited resource person for online Orientation classes of Second Semester students of Associateship Examination of Institute of Town Planners India , organised by ITPI , online , 17<sup>th</sup> and 18<sup>th</sup> July 2021.
  25. Member of Scientific Committee of the ICOMOS India Scientific Symposium 2021 on „Cultural Landscapes: transformations and emerging ideas“ since June 2021,( to be held at FoAP, AKTU, Lucknow on 19<sup>th</sup> & 20<sup>th</sup> November, 2021).
  26. Participated in Webinars organized by CII for the Global Innovation and Technology Alliance of the Department of Science and Technology, Government of India.
  27. Attended bimonthly Webinar series on Material Conservation organised by Material Heritage Division of INTACH – 2020.

#### **Priyaleen Singh**

1. Central Vista Redevelopment: Conservation, Continuity and Change  
Invited as panelist for Webinar organized by Institute for Development and Communication (IDC) Chandigarh. 10 July 2021
2. Rethinking vernacular architecture: the need for future contexts  
Invited as panelist for Webinar organized by National Scientific Committee ICOMOSIndia. 25 July 2020
3. Participated in expert discussion on the projects for Mehrauli Archaeological Park, Tughlak Garden, VasantUdyan& Sheesh Mahal Park in perspective of historic landscapes and ecological regeneration, organized by DDA. 3rd December, 2020.
4. Participated as a key contributor in specialist consultation on SoBHI (State of Built Heritage of India: Case of the Unprotected) organized by Architectural Heritage Division of Indian National Trust for Art and Cultural Heritage online on Friday, 2nd July, 2021.

#### **T. Lakshmi Priya**

1. Attended ICOMOS webinar on "Resilient and sustainable development of historic precincts and areas: focus West Bengal " held on 1st and 3rd October 2020
2. Attended Collaborative online webinar on the occasion of International Day for Monuments and Sites (World Heritage Day) on April 18, 2021



3. Attended the ICOMOS Annual General Meeting 2020 held in June 2020
4. Attended Structural Conservation Camp, Institute of Archaeology, Delhi on 27th June 2020 and 3rd July 2020.
5. Attended Theophil, ICOMOS Meetings in April 2021.
6. Participated as an observer for the skill test/typing test for the post of Jr. Asst under Direct Recruitment on 18.02.2021.
7. Participated as a Jury Member to Review the work of the students at Chandigarh College of Architecture (CCA) for the subject "Historic Building Materials" of M. Arch. Ist 2021 on 25 .02.2021
8. External Juror at School of Art and Architecture, Sushant University, Gurugram , (End Semester Examination June 2021)
9. Reviewer of 2 papers for National Science Conclave ICOMOS, India

### **Bharti Sikri**

1. Attended Central Vista Redevelopment: Conservation, Continuity and Change Invited as panelist for Webinar organized by Institute for Development and Communication (IDC) Chandigarh. 10 July 2021

## **18. Member of Professional Bodies**

### **Anuradha Chaturvedi**

1. Member, Indian Institute of Architects.
2. Member, Council of Monuments and Sites, India and ICOMOS.
3. Founding Member, Community of Conservation Architects, India.
4. Fellow, Leadership for Environment and Development, India.
5. Member, Council of Architecture.

### **Priyaleen Singh**

1. Member ICOMOS (International Council of Monuments and Sites).
2. Member Council of Architecture.
3. Life Member INTACH (Indian National Trust for Art and Cultural Heritage).
4. Member CSD (Conservation Society Delhi).
5. Member India International Centre.
6. Member India Habitat Centre.
7. Member ISOLA (Indian Society of Landscape Architects).

### **T. Lakshmi Priya**

1. Member, ICOMOS India.

**19. Any Other Information of Relevance  
Invited Special Lectures by Experts in Related Fields (Streams  
Program)**

<b>S. No.</b>	<b>Name</b>	<b>Date</b>	<b>Title of the lecture</b>
1	Dr. Rohit Jigyasu	09.09.2020	Towards Reducing Risks and Building Resilience of cultural heritage against disasters and climate change
2	Mr Aniket Prabhakar Bhagwat Suneet Mahendru (discussant)	16.09.2020	Staying in the Present Landscape Narratives in India
3	Ar. Ruchi D Jeyanathan	23.09.2020	Galle Fort, Sri Lanka, A Case Study in the Conservation of a living World Heritage Site
4	Dr. Arun Menon	30.09.2020	Structural Safety and Conservation
5	Mr. Nikhil Dhar	08.10.2020	Contours, Overlays, Landscape Ecology Basics
	Mr. Nikhil Dhar	15.10.2020	
6	Mr. Vikas Dilawari	14.10.2020	Conservation in Practice
7	Ms Gurmeet S. Rai	21.10.2020	AMRITSAR Recognising history and Recovering its Heritage
8	Dr. Ravikant Joshi	22.10.2020	Financing Architectural Conservations Experiences and Way Forward
9	Mr. Divay Gupta	11.11.2020	Adaptive Reuse of Historic Buildings
10	Mr. Janhwij Sharma	21.11.2020	Conservation of Monuments by ASI India and Abroad
11	Dr. Meenu Tiwari	26.11.2020	Green Gentrification Do Collective and Municipal Financial Approaches offer pathways to inclusive growth ?
12	Ar. Ashish Trambadia	20.01.2021	Urban Heritage Characteristics and Management: Case of Ahmedabad

13	Ar. Kaustubh Das	27.01.2021	Understanding the colonial City- Case of Calcutta
14	Ar. Shaista Perveen	04.02.2021	Sustainable Urban Conservation and regeneration of Historic Cities: A case of Bikaner
15	Ar. B Sarath Chandra	17.02.2021	Conservation Profession: Emerging Challenges
16	Ar. Shradha Arora	24.02.2021	Managing the Heritage of Agra
17	Ar. Ratish Nanda	03.03.2021	Conservation Process and Philosophy at Humayun's Tomb
18	Ar. Pankaj Modi	10.03.2021	Buildings speak to us... Significance of Documenting, value analysis to strategic interventions
19	Dr. Shikha Jain	17.03.2021	Cultural Landscapes and Historic Urban landscapes from World Heritage and Indian perspective
20	Dr. Benny Kuriakose	31.03.2021	Approach to Conservation- Different Case studies

## 20. Department Research Agenda

- Conservation of Historic cities, their urban form and historic gardens, Historic Urban Landscapes, Hill Stations
- Cultural Landscapes; Historic Water Management Systems in the Deccan, Semi-Arid, Coastal and Mountain Regions
- Heritage Economics and Heritage Impact Assessment

## 21. Ongoing Research Collaborating Under MoU with Universities Abroad

1. Research collaboration entitled 'Havelis of Shahjahanabad: Knowledge, Awareness, Enhancement' MoU between Politecnico di Torino, Italy and SPA, Delhi
2. Research collaboration on "Reducing Risk, Raising Resilience: Recovering the Public Spaces of Shahjahanabad through Participatory Ecological Urbanism". (MoU between Laurentian University, Canada and SPA, Delhi in process)- for joint research awarded (2021-23) under the Social Sciences and Humanities Research Council (SSHRC) of the Government of Canada program.

## 2.4 DEPARTMENT OF URBAN DESIGN

### 1. Academic Programs Offered by the Department

- Master of Urban Design
- Ph.D. Programme in Urban Design

### 2. Year of establishment of the Department

1979-80\*(\*) PG Diploma in Urban Design started in 1970

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	CoA Reg.No.
Arunava Dasgupta	Ph.D.; M.Arch.(UD)	Associate Professor and HOD	Urban Design	COA/88/11717
Manu Mahajan	M.Arch.(UD); M.Sc. (Dev & Plan.)	Associate Professor	Urban Design	CA/2000/25838
Animesh Dev	MUD; Master of Anthropology	Assistant Professor (on Contract)	Urban Design	CA/2013/59997
Rohit Priyadarshi Sanatani	M.Arch. (UD)	Assistant Professor On Contract)	Urban Design	CA/2015/72998

### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Arunava Dasgupta	I	Design Studio I	3
	I	Urban Form Lab-II	3
	III	Reading the City (L)	2

	III	Thesis Methodologies	3
	III	Design Studio –III (ST)	3
	III	Urban Form Lab-II	3
	II	Design Studio –II (ST)	3
	II	Urban Form Lab-II	3
	II	Planning the City	1
	IV	Thesis Studio	6
Manu Mahajan	I	Design Studio-I	6
	I	Design Studio-I(T)	3
	I	Urban History and Development Theory (S)	2
	I	Research Methods	2
	III	Institutional Elective	2
	II	Design Studio-II	6
	II	Design Studio-II (T)	3
	II	Elective (Departmental)	2
	IV	Thesis Studio (T)	3
	IV	Thesis Studio ®	1
Animesh Dev	I	Urban History and Development Theory-I (S)	2
	I	Site Planning (W/S)	2
	I	Research Methods	2
	I	Design Studio (T)	3
	II	Participatory Planning and Co-DesignTools	2
	II	Elective (Departmental) – Housing and Urban Infrastructure	2
	II	Urban History and Development Theory-II (S)	2
	II	Design Studio (T)	3
	III	Thesis Methodologies	3
	III	Departmental Elective-Writings in Urban Design	2
	III	Reading the City (S)	2
	IV	City Future Lab-I,	3
	IV	Departmental Elective(L)- Design Anthropology for Cities	2

	IV	Thesis Studio Research	1
	IV	Thesis Studio	3
Rohit Priyadarshi Sanatani	I	Urban Design Methodologies	2
	I	Urban History and Development Theory-I (S)	2
	I	Research Methods	2
	I	Digital Skills for UD	2
	I	Design Studio (T)	2
	III	Institutional Elective	2
	III	Thesis Methodologies	3
	III	Planning the City-II	1
	II	Institutional Elective	2
	II	Urban Form Lab-I	3
	II	Design Studio-II	3
	II	Design Studio (T)	3
	IV	City Future Lab-II	3
	IV	Thesis Studio	3

#### 5. Details of Teaching Work Undertaken in Other Departments

NIL

#### 6. Details of Teaching Work Undertaken by Visiting Faculty

Name of the Visiting Faculty	Semester	Subjects (Theory and Studios)	Hrs. / Week
Ujan Ghosh	1	Design Studio	6
	1	Design Studio (T)	3
	2	Design Studio –II (ST)	6
Rajender Singh	3	Design Studio-III	3
	2	Design Studio-II	3
Nishant Lall	1	Urban Form Lab-I	3
	2	Urban Form Lab-I	3
	4	Design Thesis (Tutorial)	3
Suneet Mohindru	1	Site Planning (L)(W/S)	3
Sanjay Kanvinde	3	Design Studio – III (ST)	6
	4	Thesis Studio (ST)	6
Mriganka	3	Planning the City-II	2

Saxena	2	Planning the City-I	2
	4	Design Thesis (Tutorial)	3
Abhimanyu Dalal	3	Thesis Methodologies	3
	4	Thesis Studio (ST)	3
Anuraag Chowfla	4	Thesis Studio (ST)	3
Rajiv Bhakat	1	Urban Design Methodologies	2
	1	Design Studio	6
	4	Departmental Elective (L) Future Cities	2
	4	Design Thesis (Tutorial)	3
Ranjit Mitra	1	Urban History and Development Theory-I ( L)	2
	3	Design Studio – III	2
	2	Urban History and Development Theory-II ( L)	2
	4	Thesis Studio	6
Mansi Kataria	1	Site Planning (Workshop)	2
	4	Design Thesis (Tutorial)	3
Rinki Sarkar	1	Urban History and Development Theory-I (L)	2
	2	Urban History and Development Theory-II (L)	2
Kanu Kartik Agarwal	3	Departmental Elective-I (Imagining Cities- II)	2
	2	Departmental Elective-I (Imagining Cities - I)	2
Anjula Negi	3	Development Practice/Project Planning & Finance	2
	2	Urban Infrastructure & Housing	2
Divya Chopra	1	Urban Form Lab-I	3
	2	Urban Form Lab- I	3
	4	City Future Lab-II	3
Vandini Mehta	3	Reading the City ( L & S)	4
	2	Urban History and Development Theory-II (S)	2
Aishwarya Tipinis	2	Urban Policy and Management Framework	2
Marisha Sharma	2	Urban Policy and Management	2



		Framework	
Shveta Mathur	3	Design Studio -III	3
	3	Urban Form Labs –I	3
	2	Participatory Planning and Co-Design Tools	2
Pranav Singh	3	Planning the City- II (L)	2
	2	Planning the City- I (L)	2
Aparna Ash Kanojia	3	Development Practice/ Project Planning & Finance	2
Rwitee Mandal	3	Urban Form Lab-I	3
	4	City Future Lab-I	3

## 7. Details of the Studio Work Undertaken by Students

Semester	Title of the Studio Assignment and Brief Description
I Design Studio-I	<p><b>Discovering Indian Cities</b></p> <p>The studio is the introduction of the student to the realm of urban design. The objective is to expose them to the complexities of the design process and to create an understanding of the role of various physical, social, economic and infrastructural components and decision-making processes. Students selected a small area in their native cities/towns for detailed urban design studies. Studio culminated with design proposals for five selected locations, undertaken by students in groups.</p>
II Design Studio-II	<p><b>Mission Cities- Jaipur, Bhopal, Kolkata and Kochi</b></p> <p>The objective of this studio is to hone the theoretical knowledge of the student from the first semester in resolving a design problem on Green Field conditions in a city preferably outside Delhi. The first part of the studio is an introduction to urban design city study, analyzing the various factors that determine the morphology of the city, develop critical positions on trajectories of growth and transformation trends and use analytical findings to develop urban design vision, design strategies and proposals in selected areas of the city. For the second consecutive year, the Department is studying “Mission” Cities. Under this theme, four cities-Jaipur, Bhopal, Kolkata and Kochi were taken up for an urban study and development of design proposals.</p>

III Design Studio-III	<p><b>Le-emerging localities in Indian Cities during Covid/Post-Covid times</b></p> <p>The objective of the studio is to focus on diverse localities in Indian cities for examining issues related to urban operations and activities, social structure, economic and environmental considerations, infrastructural status, political influences, local governance, etc. that have been impacted due to covid. The involvement of community &amp; state holder groups and decision-making agencies for facilitating a more resident and sustainable locality is the core theme of this studio. For the past ten years, the department has been working on community-based development frameworks in electoral wards of Delhi. This year due to the pandemic the inquiry shifted to 24 cities in India as well as Kabul in Afghanistan for Local Area Design.</p>
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### 8. List of Thesis Topics

Roll No.	Name of the Student	Thesis Topic	Mentors
UD/854	Ahmad Fareed	Socio-Spatial Integration of Post - Conflict Informal Settlements –A case of Kabul	Mr. Nishant Lall
UD/855	Ambica Wakhlu	Urban Re-construction-Reuniting fragmented communities in the valley through spatial design strategies-Case – Mattan, Anantnag	Mr. Manu Mahajan
UD/857	Arkadipta Banerjee	Glocal Formations-Rethinking globally planned peripheral area as an inclusive city-The Case of Newtown Rajarhat, Kolkata	Mr. Rajiv Bhakat
UD/858	Ashwathi Vinod	Forgotten Heritage: Revival of a City's Reminiscence of its Past-An initiative to community-integrated heritage-led revival	Mr. Manu Mahajan
UD/859	Ashwin S	Reinstating Urban Ecological Commons-Ecological Commons as	Ms. Mriganka Saxena

		determinants of resilient and inclusive urban form	
UD/860	Azna Parveen Palakkapallyali	Spirit of Place-Exploring spatial manifestations of culture to root the identity of a transforming town, Case of Ponnani Town, Kerala	Ms. Mansi Kataria
UD/861	Dheeraj V. M. Challapareddi	Redefining the Socio-Spatial systems in neighborhoods to promote Active Healthy Lifestyle	Ms. Mansi Kataria
UD/862	Shiza Rajesh Christie	Urban Form and Perceived Safety/Fear-An empirical approach to form-space-activity and perceived safety in women-Case of Shilaj Ahmedabad	Mr. Nishant Lall
UD/863	Hardik M Khicha	Adaptive Cities- Appropriation & Diversification- Vulnerabilities of Coastal Communities:Case- Chennai	Mr. Manu Mahajan
UD/864	Insia Hasnain	Redefining Modernity-An urban design approach to address urban realities within planned modernist settings , Case: Chandigarh	Mr. Nishant Lall
UD/865	Ishan Kumar Garg	Villages and their City- Bridging the Rural-Urban Dichotomy through Spatial Development	Mr. Nishant Lall
UD/866	Kavita	Redefining Traditionality for Future Developments in Hill Areas Case of Palampur, Himachal Pradesh	Ms. Mriganka Saxena
UD/867	Mansi Jain	Making ends meet-Socio-economic integration of poverty pockets in urban ecological fringes, A case	Mr. Manu Mahajan

		of defunct mill precincts of Indore	
UD/868	S. Munawar Irfaan	Fostering symbiosis between Ecology, Community, and Urban Development -Water systems as primary determinants of Eco-sensitive urbanism	Ms. Mriganka Saxena
UD/869	Olivia Jacob	Empowering Marginalized Identities: Guiding urbanization to promote inclusive development and strengthen the identity of communities, Case: Thaltej, Ahmedabad	Ms. Mansi Kataria
UD/870	Sai Parag Patil	Reinstating Socio-Ecological Sustainability of Small Towns under the Influence of Megacities-Creating paths of development by adapting and accommodating trends of growth-Case Alibag, Maharashtra	Ms. Mriganka Saxena
UD/871	Rohit Raj	Knowledge Driven City-Revitalizing the educational landscape of South Delhi	Mr. Nishant Lall
UD/872	Sacheth S Ullal	Cultural Ecology as a tool to bridge the Peri-urban and Urban Transition. The case of Ullal, Mangalore	Ms. Mriganka Saxena
UD/873	Sahana Shreekant Malagatti	Urban continuity as a means of socio-economic inclusion in developing cities. A case of Hubli, Karnataka.	Mr. Rajiv Bhakat
UD/874	Shinjini Saha	Subtracted Cities – necessity has no law-Socio-economic investigations into the spatial vocabulary and	Mr. Rajiv Bhakat

		(un)systematic exodus of a missing demographic strata. Case: South-east Delhi	
UD/876	Subhankar Mete	Urban Regeneration of Deindustrialized Cities- Redefining socio-economic dimensions through socio-cultural and nature development interfaces	Mr. Rajiv Bhakat
UD/878	Walsado D Sangma	Negotiating the Schism of Urbanisation and the Natural Setting in Hill Settlements	Ms. Mansi Kataria
UD/ 821	Ajab Haseena	Sustainable urban configurations for towns under pressure-Case of Kanjikode, Palakkad, Kerala	Mr. Manu Mahajan
UD/ 835	Surya Gupta	An Integrated Urban Regeneration of Derelict Industrial Land A Case Study of Birlanagar in Gwalior city	Mr. Rajiv Bhakat

## 9. Details of Ph.D. Thesis Topics

S. No	Year of Enrollment	Name of the Student	Thesis Topic	Name of the Guide(s)
1	2016-17	Arathy Gopal	"Tourism as a determinant of change in urban form in Temple cities of India."	Prof. Dr. Mandeep Singh
2	2016-17	Aishwarya Tipnis	"Exploring the Role of adaptive Reuse in regeneration of Derelict Industrial heritage sites in India."	Prof. Dr. Mandeep Singh
3	2017-18	Advaita Jalan	Revised topic- "Form based Codes for Historic City of Vadodara: Relevance, Criteria & Formulation Process".	Prof. Dr. Mandeep Singh

4	2018-19	Vandini Mehta	Revised- “(Re)Locating Urban Periphery”	Prof. Dr. Mandeep Singh
5	2018-19	Kamini Singh	Revised-Evaluating Physical Characteristics of public spaces as determinant of Pedestrian comfort perception.	Prof. Dr. Mandeep Singh
6	2016-17	Manu Mahajan	Revised-Transformation of Urban Economy and resultant spatial Manifestations in the post Metro Period: Case-Old Delhi”	Dr. Leon A Morenas
7	2018-19	Arpita Dayal	“Connective Urban Liminalities: Everyday environments and Social spaces”.	Dr. Leon A Morenas

## 10. Details of Research Projects

S.No	Name of the Project	Sponsored/ Funded by	Project Team	Project Coordinator
1.	Smart Sustainable City Regions in India.	UTFORSK, Norway	Rolee Aranya; Arunava Dasgupta	Arunava Dasgupta
2.	Urban Transformation and Placemaking: Fostering Learning from South Asia and Germany (2020-2023)	DAAD, Germany	Christiane Brosius; Arunava Dasgupta; Sujan Chitrakar	Arunava Dasgupta
3.	Climate Change and Housing Form	DIC, Min. of HRD	Arunava Dasgupta; Manasa Garikaparthi; Meenu Huma	Arunava Dasgupta
4.	Smart Eco-solutions for Less-Catered Communities: Prototype Design for Decentralized Waste Management System.	DIC, Min. of HRD	Arunava Dasgupta; Aditi Singh; Aishwarya Talluri	Arunava Dasgupta

## 11. Details of Consultancy Projects

S.No.	Name of the Project	Name of the Client	Project Team	Project Coordinator
1.	Electric Crematorium at Uri, Delhi Cantonment, Delhi	Delhi Cantonment Board	Arunava Dasgupta; Anil Dewan; Sandal Kapoor	Arunava Dasgupta
2.	Staff Quarters for DCB at Sadar Bazar, Delhi Cantonment, Delhi	Delhi Cantonment Board	P.S.N. Rao; Arunava Dasgupta; Sandal Kapoor	P.S.N. Rao

## 12. Details of Publications

Nil

## 13. Details of Membership in Committees/ Editorial Boards/ Any other

### Arunava Dasgupta

#### National Committee

- Expert Member, State Heritage Advisory Committee (SHAC), Govt. of Himachal Pradesh
- Expert Member, Heritage Conservation Committee (HCC), Govt. of NCT, Delhi
- Member, Board of Academics (BOAC), Department of Architecture, Town and Country Planning, IEST, Shivpur, Howrah, West Bengal
- Member, Board of Studies, Chandigarh College of Architecture, Punjab University
- Member, Board of Studies, School of Global Studies, Ambedkar University, Delhi

#### International Committee

- Member, Faculty Selection Committee, NTNU, Trondheim, Norway
- Member, Advisory Board, Building Resilient Urban Communities (BReUCom) EU Project.
- Member, GAP - Habitat III, UN Habitat

#### **Any Other (Committees and Centers in SPA)**

- Member, Senate, SPA
- Member, Research and Consultancy Cell, SPA
- Chairperson, Departmental Advisory Committee
- Member, Convocation Committee
- Coordinator, Center for Urban Design Innovation

#### **Any Other (Jury)**

- Member, School of Architecture and Planning, NTNU, Trondheim, Norway
- Member, Welsh School of Architecture, Cardiff University, UK
- Member, RV College of Architecture, Bangalore
- Member, Department of Architecture, Town and Country Planning, IEST, Shibpur, Howrah, West Bengal

#### **Manu Mahajan**

##### **National Committees**

- Member, Board of Studies, Department of Architecture, Islamic University of Science and Technology, Kashmir

#### **14. Conferences, Exhibitions, Seminars or Workshops Organized.**

Nil

#### **15. Papers Presented in Seminars, Workshops, Conferences, etc.**

##### **Manu Mahajan**

1. Presented a paper titled 'Land, Water and Spirit: Re-visiting the Sufi Landscapes of Medieval Delhi', at International Conference, 'Hydrorationality in South Asia, organized by International Center for Ethnic Studies, Colombo, University of Birmingham and British Council, January 2021.

#### **16. Participation of Faculty Members in Seminars, Workshops, Conferences, Exhibitions, etc.**

##### **Manu Mahajan**

1. Manu Mahajan invited as a panelist for an online Focused Group Discussion titled "Approach towards regenerating Shahjahanabad", organized by the National Institute of Urban Affairs, September 2020.



2. Manu Mahajan invited to deliver an online lecture for the executive masters' module on the subject of 'Public Transport Impact on Local Economies' by Innovative Governance of Large Urban Systems (IGLUS), EPFL University, Switzerland, December 2020.

**17. Membership of Profession Bodies**

NIL

**18. Any other Information of Relevance**

**Details of Special Lectures undertaken in the Department:**

<b>Name of the Expert</b>	<b>Semester</b>	<b>Topic</b>	<b>Date</b>
Dr. Prashant Hedao	I and III	Thinking GIS- Understanding Water Networks in Urban Systems	28.10.2020
Prof. Schifellite	II and IV	Historical Antecedents of Modern Critical Theory	13.05.2021

**1. Department's Involvement in Inter-Disciplinary Programs in other Departments and organizations:**

- Faculty drawn from other departments of Building Engineering and Management, Urban Planning for teaching specialized subjects.
- Every semester students are given an elective option to attend module/subject from other departments of the School.

**2. Courses being conducted in collaboration with other universities, industries, foreign institutions, etc.**

- Joint design studio with NTNU, Trondheim, Norway as part of MoU between the two Institution.
- Joint design studio with University of Wales, Cardiff, UK as part of MoU between the two Institution.

**3. Details of activities under various MOUs during the reporting year:**

- As part of MoU with WSA, Cardiff, UK - Conducted an international Virtual exhibition called "Livable Urbanism" as extension of the joint Design studios on Mission Cities-Kochi & Mangalore.
- As part of MoU with NTNU, Trondheim, Norway - Conducted collaborative online Workshop between SPA-Delhi, NTNU and COE, Pune on "Participatory Planning and Co-Design Methods" as part of the development

of an e-course on the same. A book publication on 'Smart Communities' is in progress as part of an UTFORSK grant project.

- As part of MoU with Heidelberg University, Germany, joint lectures and workshops have been conducted with HCTS. The 4- year joint research project on "Urban Transformations and Place-Making" that commenced in Feb, 2019 has initiated the setting up of a Digital Archive on Comparative Urbanism along with Kathmandu University, Nepal. A shared, trans-disciplinary, elective course on Place-making is being put together by faculty of all 3 partner institutions.

## 2.5 DEPARTMENT OF LANDSCAPE ARCHITECTURE

### 1. Academic Programs offered by the Department

- Master of Architecture (Landscape Architecture)
- Ph.D. Program in Landscape Architecture

### 2. Year of Establishment of the Department: 1972

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	CoA Reg.No.
Aarti Grover	Ph.D.; M.L.Arch.; B.Arch	Associate Professor, Head of the Department of Landscape Architecture	User-perception in Urban Landscapes, Gender-sensitive Landscapes, Zoological Parks and Habitat Design	CA/2001/27327
Rajapraksh P.	B.Arch; M.L.Arch.; Ph.D.	Associate Professor	Landscapes	
Amrita Kaur Slatch	B.Arch.; Master in Landscape Design	Assistant Professor (on Contract)	Landscapes	CA/2014/64108

### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects(Theory and Studios)	Hrs/ Week
Aarti Grover	I	LA1.05 Landscape Architecture Studio-I	6
	III	LA 3.02 Dissertation	1
	III	LA3.04 Landscape Architecture Studio-III	5
	III	LA3.05 Department Elective	2
	II	LA2.03 Planting Design, Management & Landscape Economics	2

	IV	LA4.02 Landscape Architecture Studio-IV	12
Amrita Kaur Slatch	I	Landscape Engineering	3
	II	Landscape Design Studio-I	13
	II	Landscape Design Studio-II	11
	II	Departmental Elective	2
	IV	Landscape Design Studio-IV	3

#### 5. Details of Teaching Work Undertaken in Other Departments

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/Week
Ms. Amrita Kaur Slatch	II, 2 <sup>nd</sup> year B.Plan	Landscape Planning and Design	3

#### 6. Details of Teaching Work Undertaken by Visiting Faculty

S. No.	Name of the Faculty	Semester	Subjects Theory and Studio	Hrs./ Week
1	Dr. Gauhar Mahmood	I	Hydrology and Geomorphology	02
2	Dr. Shashank Shekhar	I	Geology	01
3	Dr. Sushma Moitra	I	Plant Taxonomy and Plant Physiology	01
4	Dr. Monika Koul	I	Soils	01
5	Dr. Monika Koul	I	Ecology	01
6	Sh. Chahit Singal	I	Landscape Architecture Studio-I	06
7	Sh. Harbir Singh Chopra	I	Landscape Architecture Studio-I	06
8	Ms. Nandini Rewari	I	Landscape Architecture Studio-I	09
9	Ms. Poonam Saini	I	Landscape Architecture Studio-I	08
10	Ms. Poonam Saini	III	Dissertation	01
11	Ms. Nandita Parikh	III	Urban and Regional Landscapes	02

12	Ms. Nandita Parikh	III	Institutional Elective	02
13	Sh. Pamkaj Jain	III	Landscape Architecture Studio-III	06
14	Ms. Savita Punde	III	Landscape Architecture Studio-III	06
15	Ms. Vina Verghese Biswas	III	Landscape Architecture Studio-III	06
16	Ms. Nandita Parikh	II	Theory of Landscape Architecture	02
17	Sh. P.S. Uttarwar	II	Remote Sensing & GIS based Land Information System	01
18	Sh. Jai Ghildiyal	II	Remote Sensing & GIS based Land Information System	01
19	Sh. Pankaj Jain	II	Landscape Architecture Studio-II	09
20	Ms. Vina Verghese Biswas	II	Landscape Architecture Studio-II	09
21	Sh. Harbir Singh Chopra	II	Landscape Architecture Studio-II	07
22	Sh. Minesh Parikh	IV	Landscape Project Management and Professional Practice	02
23	Sh. Krishan C. Singal	IV	Landscape Architecture Studio-IV	09
24	Ms. Savita Punde	IV	Landscape Architecture Studio-IV	09
25	Ms. Nandini Rewari	IV	Landscape Architecture Studio-IV	09
26	Sh. Chhitiz Mohan Gupta	IV	Landscape Architecture Studio-IV	09
27	Sh. Ameet Babbar	IV	Landscape Architecture Studio-IV	09

## 7. Details of the Studio Work Undertaken by the Students

S. No.	Semester	Title of the Studio Assignment & Brief Description
1	I	<p><b>Studio Problem - 1; Book Review:</b>            To inculcate the habit of reading and interpreting it into visuals.            Book-1 Landscape Architecture: A Manual of Site Planning &amp; Design by John O Simonds            Book-2 Cities and Natural Process by Michael Hough            Book-3 Landscape of Man by Geoffery and Susan Jellico            The students exercised their minds and came up with creative ways to demonstrate their understanding of the texts.</p>
		<p><b>Studio Problem - 2; Urban Landscape Mapping Exercise:</b>            The intent of this exercise is to document any given space for its physical, social and ecological values. As a part of the exercise the students will create graphical maps and illustrations that best explain the given space through secondary data. Through this exercise the students will develop the skill to document and represent unbuilt spaces. The list of some of the sites studied are:            Bryant Park, USA; Central Vista, New Delhi; Stourhead Gardens, UK; Raj Ghat, New Delhi; Landschaft Park, Germany; Coronation Park, New Delhi; Gardens of 5 senses, New Delhi and 21 other.</p>
		<p><b>Studio Problem - 3;            Children's Play Area:</b>            To learn the skill of design by understanding scale and modulating earth to create stimulating landforms. The site – Astha Kunj is a 200 acre park in South East Delhi, near Lotus Temple, ISKON Temple and Nehru Place. Creative design ideas were showcased by the students that indicated their sensitivity in making the park exciting and safe at the same time.</p>
2	II	<p><b>Studio problem – 1;            Landscape Urbanism:</b>            The studio intends to explore the subject of “Landscape Urbanism “a term coined by Charles Waldheim, wherein the idea is to rethink the city through its landscape. The intent of the studio therefore is to intensely document the city, propose a master plan vision and then through detailed study and analysis</p>

		relook at the marginal wastelands, vacant lots, derelict land and underused spaces that are located within the city's fabric. This will further lead to a design idea that aims to reclaim and regenerate these spaces ecologically, socially and economically. Through the exercise the design solution developed will contribute in giving a new meaning to such interstices which are usually disregarded within the city's landscape.
3	III	<p><b>Studio problem – 1;</b>  <b>Urban Paths: A Landscape Design Intervention</b>  Individual Design  Streets and Urban Centers taking up the load of social and cultural upliftment are often vulnerable, owing to lack of ecological services. This studio focuses on identifying significant streets as Urban Path Typologies in various cities on the basis of historic / Socio-Cultural significance. Studio aim was to propose appropriate landscape interventions on Urban paths that shall address the socio-cultural, Economic and ecological demands and strive for an effective Urban Path design as a goal in this COVID-19 Pandemic</p>
		<p><b>Studio problem – 2;</b>  <b>Avilala Urban Ecological Park, Tirupati</b>  Group Design  The studio aims to develop an Ecological Park proposal for the site located at the Southern fringe of the Tirupati Town. The site measuring 150 acres was a part of 500 years old lake, which was filled up around 20 years ago. The studio intends to propose revival of this site by implementing ecological techniques in harmony with the surrounding ecology as well as representing the surrounding cultural character and opening up the site to the local public and the visitors.</p>
4	IV	<p><b>Thesis:</b>  Application of Landscape Planning and Design theories to develop an ecologically sensitive design proposal using adequate and appropriate research tools.</p>

## 8. List of Thesis Topics

S. No.	Roll No.	Name of the Student	Thesis Topic	Name of Guide(s)
1	LA/645	Amanpreet Kaur	Rejuvenation of Badkhal Lake Front, Faridabad	Dr. Aarti Grover & Ms. Nandini Rewari
2	LA/646	Ankur Jyoti Dutta	Landscape Development of Assam Down Town University, Panikaithi, Guwahati, Assam	Dr. Aarti Grover & Ms. Savita Punde
3	LA/647	Anuksha Amla	Responsive Landscape Development of Shri Mata Vaishno Devi University Campus, Katra	Dr. Aarti Grover
4	LA/648	Arshi Lodha	Heritage Landscape Redevelopment of Mandore Gardens, Jodhpur	Dr. Aarti Grover & Sh. Krishan C. Singal
5	LA/649	Clara Johny Manavalan	Development Of Mullassery Canal And Surrounding Greens, Kochi	Dr. Aarti Grover & Ms. Savita Punde
6	LA/650	Aishwarya Anilkumar Deshpande	An Eco-Cultural Tourism Development of The Heritage Island of Elephanta (Gharapuri)	Dr. Aarti Grover
7	LA/651	Fahad P	Landscape Development of IIM Tiruchirappalli, Tamil Nadu	Dr. Aarti Grover & Ms. Nandini Rewari
8	LA/652	Mihika Vijay Jadhav	Landscape Development of AIIMS Campus, Gorakhpur	Dr. Aarti Grover & Sh. Ameet Babbar
9	LA/653	Jyoti	Landscape Development of Central University Campus, Ranchi, Jharkhand	Dr. Aarti Grover & Sh. Ameet Babbar
10	LA/654	Kishan Yadav	Landscape for Cultural and Social Development, Sarnath (Varanasi)	Dr. Aarti Grover & Ms. NandiniRewari



11	LA/655	Manisha Wadhwa	Landscape Development of Central Park, New Chandigarh	Dr. Aarti Grover
12	LA/656	Nimisha KK	Cohesive Institutional Campus Landscapes: IIT Tirupati	Dr. Aarti Grover
13	LA/657	Pragya Shukla	Conservation & Landscape Development of Ansupa Lake Precincts, Odisha	Dr. Aarti Grover & Ms. Savita Punde
14	LA/658	Prashant Kumar	Landscape Development of Heritage And Eco Zone in Madan Mahal Precinct, Jabalpur, Madhya Pradesh	Dr. Aarti Grover & Ms. NandiniRewari
15	LA/659	Ruksana T S	Landscape Development of Global Ayurvedic Village, Varkala, Kerala	Dr. Aarti Grover & Sh. Krishan C. Singal
16	LA/661	Sanwari	Landscape Development of IIT, Jammu	Dr. Aarti Grover & Sh. Ameet Babbar
17	LA/662	Shada Parveen	Landscape Development of Kukrail Stream, Lucknow	Dr. Aarti Grover & Sh. Ameet Babbar
18	LA/663	Shashank Bhatt	Landscape Development of Nagar Vatika, Kankhal, Haridwar	Dr. Aarti Grover & Ms. Savita Punde
19	LA/664	Sneha Paul	Rejuvenation & Riverfront Landscape Development of Mahananda River, Siliguri, West Bengal	Dr. Aarti Grover
20	LA/665	Suman Saurabh	Lake Rejuvenation & Eco-Recreational Park, Varthur Lake, Bangalore	Dr. Aarti Grover
21	LA/666	Tashi Dolma	National Institute of Mountaineering and Allied Sports, Dirang, Arunachal Pradesh	Dr. Aarti Grover & Sh. Krishan C. Singal

22	LA/667	Ushmita Roy	Designing Interwoven Futures: Ecology and Business in New Town, Kolkata	Dr. Aarti Grover
23	LA/668	Varsha Jeyapandi	Landscape Development of Biodiversity Park in Agaramcheri, Vellore, Tamil Nadu	Dr. Aarti Grover & Sh. Krishan C. Singal

### 9. Details of Ph.D. Thesis Topics

S. No.	Name of the Student	Thesis Topic	Name of Guide(s)
1	Ms. Priyanka Sanjay Kanhare	Approaches to Landscape Planning and Design (Case of Riverine Landscapes in India)	Dr. Aarti Grover
2	Ms. Poonam Saini	Assessing the Cultural Ecosystem Services of Urban Forests; A Case of Recreation Value Assessment of Delhi Ridge	Dr. Aarti Grover

### 10. Details of Research Projects

NIL

### 11. Details of Consultancy Projects

S. No.	Name of the Project	Name of the Client	Name(s) of the Faculty	Name of the Team Leader
1	Landscape Re-development of Oil and Natural Gas Corporation Headquarter at Vasant Kunj, New Delhi (On-going)	Oil and Natural Gas Corporation (ONGC), New Delhi	-	Dr. Aarti Grover
2	Arboriculture Plan in the ongoing AMWPs at Bareilly Mil. Stn.	Garrison Engineer (Project) MES, Bareilly Cantt.	-	Dr. Aarti Grover

## 12. Details of Publications

**Aarti Grover**

### **International**

**1. Inclusive is Sustainable- Case of Women Inclusivity in the City of Delhi**

Conference, Proceedings of International Conference on Re-Discovering Cities 2k20, organized by MM School of Architecture ISBN - 978-93-89932-48-5 (Page No. 295-309)

### **National**

**1. Imagining the Post-Pandemic Urban India Landscape**

My Liveable City (Jul-Dec 2020), Volume 6, Issue 2 ISSN2455-2380 (P. No. 82-84)

**2. Pedagogical Approach of Landscape Studios**

Journal of Landscape Architecture, ISSN 0975-0177 (Pg. No. 72-77)

## 13. Details of Membership in Committees/ Editorial Boards/ Any other

**Aarti Grover**

### **National Committee**

1. Member, Expert Group of Zoo Designing, Central Zoological Authority.
2. Member, Advisory Committee of National Zoological Park, N. Delhi.
3. Member, Expert Panel of PWD Delhi, Govt of NCT of Delhi.
4. Member, Expert Panel of Water & Irrigation Dept, Govt of Delhi.
5. Member, Building Committee, University of Delhi.
6. Honorary Member, National GEM Council, ASSOCHAM India.
7. Member, PG Board, Council of Architecture.
8. Member, Working Committee of Education Board of ISOLA.
9. Advisor, Independent Advisor to EY for Vision Plan for 10 selected zoos.
10. Advisor, Independent Advisor to EY for Draft of the brief of a National Level Design Competition for Interpretation Centre at Sh. Chamarajendra Zoological gardens at Mysore.
11. Member, Jury Panel for National Level Open Design Competition – Zootopia – 2021.
12. Member, Board of Studies of Department of Architecture, School of Planning, Sharda University.
13. Member, Evaluation of NATA 2021.

14. Member, Expert for Ph.D. Interview (Architecture) of RGPV, Bhopal.
15. Member, Committee for Scrutiny and selection of proposals for 'Empanelment of firms for zoo design, architecture, IEC and technology enablement (2021-2024).
16. Member, Committee for Carry out safety audit of the enclosures constructed in the National Zoological Park, New Delhi, for housing carnivores.
17. Member, Online Inspection for imparting 5 year full-time Bachelor of Architecture for the academic session 2021-2022 under the Architects Act, 1972 of .T.E.S.College Of Architecture C/o.N.G.Acharya & D.K.Marathe College N.G.Acharya Marg, Chembur, District : Mumbai.
18. Member, Online Inspection for imparting 2 year full-time Master of Architecture ( Project Management ) for the academic session 2021-2022 under the Architects Act, 1972 of C.T.E.S.College Of Architecture C/o. N.G. Acharya & D.K. Marathe College N.G. Acharya Marg, Chembur , District : Mumbai.
19. Member, Adjudge the technical evaluation of the participates (bidders) for providing Consultancy Services for Preparation of Master Plan of IIIT Surat.
20. Member, Online Inspection for imparting 5 year full-time Bachelor of Architecture for the academic session 2021-2022 under the Architects Act, 1972 of School Of Architecture & Planning, Sharda University, Greater Noida.
21. Member, Inspection Committee for introduction of 5 years full-time Bachelor of Architecture for the academic session 2021-22 under the Architects Act, 1972 of VIT Trust , Chennai Tamilnadu.
22. Member, Board of Assessors to evaluate and appoint consultants for Water front Development on Najafgarh Drain, I&FC Department, Government of NCT of Delhi.
23. Member, Board of Assessors at PWD to evaluate and appoint consultants for Street-scaping Works in Delhi, PWD, Government of NCT of Delhi.

#### **Editorial Boards**

1. Member, International Advisory Board, Refereed Journal "Design+Theory", MimarSisan Fine Arts University, Istanbul.
2. Member, CoA-Editorial Board for Magazine 'Time, Space and people'.
3. Member, CoA-Editorial Board of CA Newsletter.

#### **14. Conferences, Exhibitions, Seminars or Workshops Organized**

NIL

## 15. Papers Presented in Seminars, Workshops, Conferences, etc.

### International

#### 1. Relevance of Public Perception in Urban Landscape

First International Conference on Sustainability in Built Environment, organized by Aurora Groups of Architecture Colleges, Hyderabad, Telangana on 3-4.01.20

#### 2. Inclusive is Sustainable- Case of Women Inclusivity in the City of Delhi

International Conference on Re-Discovering Cities 2k20, organized by MM School of Architecture ISBN - 978-93-89932-48-5

### National

#### 1. Zoological Parks: Planning Strategies and Design Principles

Talk delivered as Subject Expert in Zootopia 2021, organized by CZA and Atal Innovation Mission - NITI Aayog, on 8.5.2021

#### 2. Energy Conservation and Energy Efficiency

Speaker in online webinar organised by Punjab Energy Development Agency with Support from Bureau of Energy Efficiency (BEE), Ministry of Power, GOI, on 26.2.2021

#### 3. Water-based Landscapes

Speaker in online Impact Workshop cum Master Class organized by Centre for Science and Environment, on 29.06.2020.

#### 4. Essence of Life and Growth w.r.t. the Pandemic

Paper presented as Resource Person Organized by Indian Institute of Finance, on 07.05.2020.

#### 5. Design Consideration for Green Belts for Industries

Lecture as resource person in GSDP Course on 'Valuation of Ecosystem Services and Green GDP' Organized by SPA-ENVIS, National GSDP Workshop on 09.03.2020.

#### 6. Understanding Vegetation in Context of Ecology and Urbanization

Lecture as resource person in GSDP Course on Valuation of Ecosystem Services and Green GDP on 21.1.20 at Gandhi Peace Foundation, New Delhi

## 16. Participation of Faculty members in Seminars, Workshops, Conferences, Exhibitions, etc.

1. ZOOTOPIA-2021, organized by Central Zoo Authority and Atal Innovation Mission - NITI Aayog on 8.5.21

2. Webinar, Celebration of Energy Conservation Week organized by Punjab Energy Development Agency with Support from Bureau of Energy Efficiency (BEE), Ministry of Power, GOI, On 26.2.21
3. Five days Faculty Development Programme 2021 on Outcome Based Education: Best Practices in Architecture Education organized by Apeejay School of Architecture and Planning, Greater Noida on 15-19.2.21
4. International Conference on Re-Discovering Cities 2K20, organized by MM School of Architecture on 7-9.7.20
5. One day 'Qualitative Research - Approaches and Methods' (Online Workshop) organized by IDMBA, Hyderabad on 21.6.20
6. One day Online Workshop on Multivariate Data Analysis Using SPSS organized by IDMBA, Hyderabad on 21.6.20
7. One day Case Writing & Teaching Workshop (Online) organized by Academy of Management Professionals on 6.6.20
8. Workshop cum Master Class organized by Centre for Science and Environment, on 29.06.2020.
9. One day 'Qualitative Research-Approaches and Methods' (Online Workshop) organized by IDMBA, Hyderabad on 31.5.20
10. One Month certificate Course on 'Online Research Program' by Dr. Kunal Gaurav organized by Academy of Management Professionals on 1-31.5.20
11. Two days Webinar Workshop on Statistical Analysis Using R (online) organized by IDMBA, Hyderabad on 23-24.5.20
12. Webinar on Essence of Life and Growth' Organized by Indian Institute of Finance on 27.4.20
13. One day Write & Publish in High Impact Journals organized by Academy of Management Professionals on 26.4.20
14. Five days "Faculty Training Programme on "Practicing sustainability in the Built Environment" organized by Department of Architecture, SPA Delhi on 11-15.3.20
15. First International Conference on Sustainability in Built Environment, organized by Aurora Groups of Architecture Colleges, Hyderabad, Telangana on 3-4.01.20

## **17. Membership of Professional Bodies**

### **Aarti Grover**

Fellow, Indian Institute of Architects;  
 Fellow member of ISOLA;  
 Member, Indian Institute of Design.

**Amrita Kaur Slatch**

CoA; ISOLA

**18. Any other Information of Relevance**

**Special Lectures organized in the Department**

1. Organized special lecture in Department-Perspective Open Green Spaces Planning: A post Covid-19 Approaches with Sh. Sameer Deshkar on 9.9.20
2. Organized special lecture in Department- Streets for the People and By the People Issues, investigations and instinct (Theory and Research) and Documentation, Design, Discussion and Demonstration (solutions through execution) with Prof. Prasana Desai on 29-30.9.20
3. Organized special lecture in Department-Xeriscape - Sustainable Landscape Strategies” with live cases in Riyadh with Sh. Syed Ahmed on 9.11.20
4. Organized special lecture in Department-Landscape Urbanism – Contemporary Thought: A Historical Process with Sh. Rahul Paul on 24.3.21
5. Organized special lecture in Department-Landscape Urbanism– Under the eye of An Artist with Sh. Amitabh Shrivastav on 31.3.21

## 2.6 DEPARTMENT OF URBAN PLANNING

### 1. Academic Programs Offered by the Department

- Master of Planning (with specialization in Urban Planning)
- Ph.D. Programme in Urban Planning

### 2. Year of Establishment of the Department: 1955

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization
M. Pallaniapan	M.A; M.T.P.; M.P.S.	Associate Professor	Urban Planning
Sanjukta Bhaduri	B. Arch; MCP; Ph.D.	Dean (Research) and Professor, Urban Planning	Urban and Environmental Planning, Disaster Management and Climate Resilient Development, Sustainable Development, Local Area Planning, Smart Cities
Sanjay Gupta	M.Sc.; M.TP; Ph.D.; FITP; Commonwealth Academic Fellow(U.K.)	Professor and Head of the Department Urban Planning (from 19.05.2020)	Public Transport Planning, Freight Logistics, Transport Policy, Travel Behaviour and demand Modelling, Policy Analysis, Transport Climate Change
Chandrani B. Neogi	Ph.D; M.Plan.; MA (Geography)	Associate Professor	Urban Resilience, City & Metropolitan Planning, Urban Governance
Nilanjana Dasgupta Sur	M.Plan.(UP); Ph.D.	Assistant Professor	Urban Governance, Urban Infrastructure, Information System, Inclusive



			Planning, Community Participation
Palthya Srinivas Naik	MURP;	Assistant Professor	Infrastructure Planning, Policy Analysis, Special Area Planning and etc
Sakkeri Ramya	Ph.D.	Assistant Professor	Urban Dynamics; Climate Change and Sustainable Development; City Planning;
Karan Barpete	MCP; B.Arch	Assistant Professor	Urban Planning, Urban Mobility, Housing

#### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Sanjukta Bhaduri	III	Inclusive Cities	2
	III	Studio (Guidance)	6
	II	Sustainable Planning and Development	1
	IV	Thesis (Guidance)	7
M. Pallaniapan	III	Development Finance	1
	IV	Urban Development Policy	1
	II	Planning Design & Studio	1
	III	Planning Design & Studio	1
	IV	Thesis Guidance	1
Chandrani B. Neogi	III	Urban Development Management & Governance	2
	III	Urban Risk & Disaster Management	2
	III	Thesis Research Seminar	2
	III	Planning Studio	8
	II	City & Metropolitan Planning	2
	II	Planning Studio	8
	IV	Thesis Guidance	4
Nilanjana	I	Studio Member	6

Dasgupta Sur	III	Community Participation and Planning (Theory Subject)	2
	III	Studio (Guidance)	6
	III	Studio Research Seminar	2
	II	Urban Information Systems (Theory Subject)	7
	II	Studio Member	2
	IV	Thesis (Guide)	8
Palthya Srinivas Naik	I	Studio	9
	I	Planning theory & planning History	2
	III	Studio	8
	III	TRS	1
Sakkeri Ramya	I	Planning History and Theory	2
	I	Plannning and Design Studio	8
	III	Thesis Research Seminar	1
	III	Studio (Infrastrcuture Planning)	5
	II	Quantitative Methods and GIS applications	2
	II	Studio	7
	IV	Thesis	7
Karan Barpete	I	MP1.09 Planning and Design Studio	6
	II	UP-DE2.2 Land Use and Transport Planning	2
	II	Studio	8
	III	UP3.07 Urban Design and Heritage	2
	III	Thesis Research Seminar	2
	III	Planning Design and Studio	6
	IV	Thesis	7

## 5. Details of Teaching Work Undertaken in Other Departments

Name of the Faculty	Semeste	Subjects (Theory and Studios)	Hrs/Week
Sakkeri Ramya	I	Infrastructure and Transport Planning	2 hours in semester (Special class on request)
Palthya Srinivas Naik	I	Studio	9 Integrated
	I	Planning theory & planning History	2 Integrated
	III	Studio	8
	III	TRS	1

## 6. Details of Teaching Work Undertaken by Visiting Faculty

S.No.	Name of the Faculty	Semester	Subjects (Theory and Studio)	Hrs./ Week
1	Ms. Aparna Arsh Kanojia	II	Project Planning & Management	2
2	Mr. Rajeev Malhotra	IV	Thesis (Guidance)	6
3	Dr. Sabir Ali	IV	Thesis (Guidance)	10
4	Sunil Mehra	IV	Planning Legislation & Professional Practice	2
5	Shri S. B. Khodankar	II	Studio (Guidance)	7
6	Shri R. Srinivas	IV	Thesis (Guidance)	3
7	Shri M.P. Mathur	II	Studio (Guidance)	2
		IV	Urban Development Policies	1

## 7. Details of the Studio Work Undertaken by Students

S. No.	Semester	Title of the Studio Assignment and Brief Description
1.	III (July - December 2020)	<b>Strategic Urban Infrastructure Development Plan , Case Studies: Vadodara (Gujarat) , Bhopal (Gujarat), Kochi (Kerala)</b> After assessing status of urban infrastructure development, issues, critical areas and shortfalls were identified. Future requirements for all infrastructure were worked out based on

		projected population. Future planning strategies and policy guidelines were formulated for improving infrastructure development.
2.	II (Jan- May 2021)	<b>Master Plan And Zonal Development Plans For Jammu: 2041</b> After assessing status of urban development, problems, potential and shortfalls were identified. Future requirements of land and infrastructure were worked out based on projected population. Sector-wise problems, potential, and short falls were identified. Sector-wise proposals and policy guidelines were made for improving status of urban development and by indicating future growth direction of the city. Detailed plans were prepared for identified critical zones.

## 8. List of Thesis Topics

S.No.	Name of the Student	Thesis Topic	Name of Guide
1	Abhilasha Kumar	Planning For Active Transport In Metro Catchment Area, Delhi	Shri Karan Barpete
2	Aditi Gupta	Planning Interventions For A Happy City	Dr. Chandrani B
3	Amrit Sindhu	Water Crisis Management in Gaya	M. Palaniappan
4	Anchal Srivastava	"Hyperlocal" Neighborhoods In Delhi	Dr. Sanjukta Bhaduri
5	Aryan Jain	Redevelopment Of Industrial Areas In Delhi	Dr. Sanjukta Bhaduri
6	Gitanjali VR	Role Of Community Participation In Smart City Projects In Kochi, Kerala	Dr. Nilanajana Dasgupta Sur
7	Joyce sequeria	Planning For Historic Urban Landscapes In Kanchipuram	Dr. Sanjukta Bhaduri
8	Kashfi	Planning For Manual Scavengers of Lucknow	Dr. Nilanajana Dasgupta Sur

9	Ketan Narang	Planning For Smart Infrastructure For Emergency Medical Services In Urban Areas of Delhi	Dr. Nilanajana Dasgupta Sur
10	Lalremruati Chawngthu	Community Based Landslide Management in Aizawl	Dr. Chandrani B
11	Manpreet Singh Guliani	Planning For Underutilized Spaces In Urban Area	Dr. Sakkeri Ramya
12	Muddukrishna A.S.	Planning For Integrated Sustainable Tourism Development: Case of Ayodhya	Shri Karan Barpete
13	Nisha Singh	Planning for Women Friendly Neighborhoods In Meerut	Dr. Sanjukta Bhaduri
14	Nishtha Luthra	Humanising Public Spaces Through Planning Strategies In Post Pandemic Period In Amritsar City	Dr. Nilanajana Dasgupta Sur
15	Pallavi Dhandhanania	Planning Strategies For Deindustrialization In Kanpur	Dr. Sanjukta Bhaduri
16	Parvathy Ravindran Nair	Implications Of Multimodal Mobility Hub on Urban Development In Thiruvananthapuram	Dr. Sanjukta Bhaduri
17	Piyush Hemant Gauns Dessai	Impact of Real Estate Market in Panjim	M. Palaniappan
18	Prasad Dipak Thantratey	Impact of Logistics Sprawl on Urban Development: nagpur , Maharashtra	Shri Srinivas Naik
19	Pratyush Pratik	Planning For E-Governance in Urban Local Bodies : Patna Municipal Corporation	Shri Karan Barpete
20	Pushkaraj Sudhir Shetye	Planning For A Healthy City : Thane	M. Palaniappan

21	Pushpender Kumar	Carrying Capacity of A Hill Towns: Case Study Shimla	Dr. Chandrani B
22	Rutika Kiran Hege	Land Management in Peri- urban Areas In Nagpur	M. Palaniappan
23	Saptadipa Nandy	Planning For In-situ Slum Redevelopment Through Community Engagement	Dr. Nilanajana Dasgupta Sur
24	Sentilong Imchen	Planning For Wet Waste Management in Urban Areas: Dimapur	Dr. Nilanajana Dasgupta Sur
25	Shanthanu Shashi Ashok	Municipal Solid Waste Management in Bengaluru	M. Palaniappan
26	Sonal Bagga	Planning And Modelling For Urban Consolidation Centres in Gwalior	Dr. Sakkeri Ramya
27	Stanzin Odsal	Smart Solid Waste Management And Sewerage Infrastructure Planning For Himalayan Cities: Leh	Shri Srinivas Naik
28	Stuti Gangwar	Planning For Digital Infrastructure in Health Sector, Lucknow	Shri Srinivas Naik
29	Sunaina Chauhan	Planning For Sustainable Tourism Development in Coastal Areas	Dr. Sakkeri Ramya
30	Swaprava Sharma	Planning For An Energy Efficient City: Bolpur	Dr. Sanjukta Bhaduri
31	Vikas Kumar	Planning Strategies For Urban Flood Control and Management: In Patna	Dr. Chandrani B

## 9. Details of Ph.D. Thesis Topics

S.No.	Year of Enrollment	Name of the Student	Thesis Topic	Name of the Guide(s)
1	SPA/NS/Ph.D /159/2016-17	Ms. Mutum Chaobisana Devi	Carrying Area Capacity as a Determinant of Transit Oriented Development Node: Case Study-Delhi	Prof. Dr. Sanjukkta Bhaduri
2	SPA/NS/Ph.D /183/2017-18	Ms. Shilpa Jain	Public-Private Partnerships as a tool for Development of Heritage Precincts in Urban Areas	Prof. Dr. Sanjukkta Bhaduri
3	SPA/NS/Ph.D /204/2018-19	Ms. Shruti Madav Vaishampayan	Urban Redevelopment and Patterns of Gentrification in Indian Cities	Prof. Dr. Sanjukkta Bhaduri
4	SPA/NS/Ph.D /184/2017-18	Ms. Hridi Kaul Jalali	Community Participation in Conservation of Water Bodies and their Catchments in NCT Delhi	Prof. Dr. Sanjukkta Bhaduri
5	SPA/NS/Ph.D /188/2018-19	Mr. Debraj Chakraborty	Inclusive Resilience in Urban Flooding	Prof. Dr. Sanjukkta Bhaduri
6	SPA/NS/Ph.D /205/2018-19	Mr. Sunil	Land use and Accessibility in peri urban area	Prof. Dr. Sanjukkta Bhaduri
7	SPA/NS/Ph.D /229/2019-20	Ms. Aditi Mitra Ghosh	Barrier-Free Energy Transition in Urban Planning	Prof. Dr. Sanjukkta Bhaduri
8	SPA/NS/PH. D/224/2020-2021	Ms. Supritha M Y	Social-Spatial Planning for Well being in Townships	Prof. Dr. Mahavir
9	SPA/NS/PH. D/225/2020-21	Ms. Pallavi Tiwari	Public Health Assessment in Urban Areas	Prof. Dr. Mayank Mathur

## 10. Details of Research Projects

S.No.	Name of the Project	Funded/ sponsored by	Name(s) of other Faculty in the Team (if applicable)	Name of the Project Coordinator
1	CLIMATRANS with Institute of Transport Economics, Oslo Norway as lead partner and SPA Delhi as CoPI.	Norwegian Centre for Transport Research (Advanced stage of completion)	Not Applicable	Sanjay Gupta
2	UNDEREFORM with Leeds University (U.K) as lead partner and SPA Delhi as Co-PI.	ICSSR and ESRC (U.K.) (Advanced Stage of completion)	Not Applicable	Sanjay Gupta
3	Smart Toolkit fore-Participation.	MHRD	Not Applicable	Sanjukta Bhaduri
4	Applicationfor streetvendors .	MHRD	Not Applicable	Sanjukta Bhaduri
5	Toolkitforassessin glandand property values for displaced persons.	MHRD	Not Applicable	Sanjukta Bhaduri
6	Big data Applications in Disaster Risk Modelling.	RICS, UK	Not Applicable	Sanjukta Bhaduri



## 11. Details of Publications

### Sanjukta Bhaduri

Sanjukta Bhaduri (2021). Special Issue International Women's Day – 2021 in ITPI News Letter – April- June, 2021.

### Chandrani B. Neogi

Bandyopadhyay, C & Manna, M (2020): Fires in India, Learning Lessons for Urban Safety, National Institute of Home Affairs, Ministry of Home Affairs, New Delhi. ISBN: 978-93-82571-37-7

### Dr. Nilanjana Dasgupta Sur

1. Dr. Nilanjana Dasgupta Sur. Paper on "Impact Analysis of Knowledge Networking and Capacity Development on Municipal Services" along with Dr. Prof. Sanjukta Bhaduri is published in SPACE Journal of SPA, New Delhi, Volume 23, Number 1-2, January – June 2019.
2. Dr. Nilanjana Dasgupta Sur. Paper on "Knowledge Networking and Capacity Development – A Comparative Study of Indian Cities" along with Dr. Prof. Sanjukta Bhaduri is published in the journal Urban India of NIUA, New Delhi, Volume 40, Issue I, January-June 2020 (ISSN 0970-9045).
3. Dr. Nilanjana Dasgupta Sur. Paper on "Knowledge Networking in Water Supply Services within Urban Local Bodies of India" along with Prof. Dr. Sanjukta Bhaduri is published in the journal Nagarlok at IIPA, New Delhi in 2019.

## 12. Details of Membership in Committees/ Editorial Boards/any other

### Dr. Sanjukta Bhaduri

Fellow Member, ITPI;  
Life Member, IIPA;  
Member, Indian Society for Remote Sensing (ISRS);  
Member, Indian Society for Technical Education (ISTE);  
Member, Regional Science Association (RSA);  
Member, International Sociologists Association (ISA)

### Dr Chandrani Bandyopadhyay Neogi

Institute of Town Planners, India

### Dr. Nilanjana Dasgupta Sur

2005/133/AITP

**Karan Barpete**

Member, COA

**Dr. Sakkeri Ramya**

Member, ITPI

**Palthya Srinivas Naik**

Member, ITPI

**13. Conferences, Exhibitions, Seminars or Workshops Organized**

Nil

**14. Papers Presented in Seminars, Workshops, Conferences, etc.**

**Sakkeri Ramya**

- i. Presented Paper titled: 'Integration of Water Sensitive Planning through Systems Approach in Urban and Regional Planning. In the three days national conference “69th National Town and Country Planners Conference ~SDGs in the Context of Covid-19”, on 26.02.2021 held a Vishakapatnam.
- ii. Presented Paper titled "Modelling Climate Change & Glacier Melt for Sustainable Development of a Himalayan Region” as Key speaker in three days International Conference on “Disaster Risk Reduction - Civil Engineering for a Disaster Resilient Society”, on 21.03.2021, held at NIT Karnataka.

**15. Participation of Faculty members in Seminars, Workshops, Conferences, Exhibitions, etc.**

**Chandrani B. Neogi**

1. Key speaker in one day Webinar on “Museum & Disaster Risk Management” on 19.01.2021, held at New Delhi.
2. Key speaker in three days Training Programme on “Risk Sensitization & Land use Planning” Organized by Haryana Institute of Public Administration, Govt of Haryana on 22.02.2021, at Gurugram.
3. Key speaker in one day Consultative workshop on Disaster Management for National Museum” Organized by National Museum, INTACH, DRONAH & SEEDS on 25.03.2021, at New Delhi.

**Sakkeri Ramya**

1. Moderated and chaired session in two days National Conference “CITIES 2050: Planning, Governance and Management Practices” on 23.07.2021, held at MNIT Jaipur

**Palthya Srinivas Naik**

1. Participated in two days “International conference on infrastructure development” on 29.04.2021, held at Gujarat

**16. Details of Membership in Committees/ Editorial Boards, Any other****Dr. Chandrani Bandyopadhyay Neogi**

International Council on Monuments & Sites

**Dr. Nilanjana Dasgupta Sur**

Life Member of Indian Institute of Geographers (IIG), Pune, India,

**17. Any Other Information of Relevance**

The following experts were delivered special lecture in the Development

Semester	Name of the faculty	Lectures
III	Ms. Piyush Pandya	Urban Design and Heritage
	Ms. Aparna Ash Kanojia	Principles of Preparation a DPR
		MS Project Overview , Case Study Project & Financing Methods
		Principles of Project Appraisal
Dr. Shyamala Mani	Involvement of Community in Service Delivery Projects at the Grassroots Level	
	Dr. Varun Varghese	Research methods in spatial Planning: Case studies on vulnerability of networks
	Dr. P.Jayapal	Inclusive Urban Development – Enabling Employment for Urban Poor
		Effect of Covid Pandemic on Housing and Real Estate Sector – Emerging Perspectives
	Dr. Abdul Razak Mohamed	Research In Spatial Planning Is The Way of Thinking

II & IV	Shri P.S Uttarwar	Preparation of Zonal Development Plans with Special Reference to Delhi
		Transit Oriented Department and Form Based Codes
	Prof.Dr.N.Sridharan	Local Economic Planning: Reverse Migration and Urban and Regional Spatial Planning
	Mr. V. B. Sood	Application of Transit Oriented Development (TOD) And Form Based Codes (FBC) In Station & Commercial Estate Development
	Dr. Sandeep Kumar Raut	Preparation of GIS Based Master Plan
		Application of Web 2.0 Technology for Smart Development of Indian Cities
	Dr. Sanhita Bandyopadhyay	Comprehensive master Plan for Industrial Node under Industrial Corridor Development of India
		National Industrial Corridor Department In India
Dr. Abdul Razak Mohamed	Participatory Planning In India: Cases From Urban and Regional Planning	

## 2.7 DEPARTMENT OF REGIONAL PLANNING

### 1. Academic Programs Offered by the Department

- Master of Planning(with specialization in Regional Planning)
- Ph.D. Programme in Regional Planning

### 2. Year of Establishment of the Department: 1958

(as combined Urban and Regional Planning Department)

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization
Vinita Yadav	Ph.D.	Professor and Head of the Department	Governance, Inclusive Planning, Regional Development, Disaster Management
Chetna Singh	Ph.D.	Assistant Professor	Regional Planning

### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs./Week
Vinita Yadav	II	Planning for Regions	2
	III	Institutional Analysis and Governance	2
	III	Studio	8
	IV	Thesis	9
Chetna Singh	I	Studio	12
	III	Studio	2
	III	Environment and Development	2
	II	District Planning and Rural Development	2
	II	Studio	10
	IV	Thesis	3
	IV	Politics and Public Policy (Institute Elective)	1

**5. Details of Teaching Work Undertaken by Faculty in Other Departments**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs./ Week
Chetna Singh	I	Planning for Conservation	8 hours for entire semester

**6. Details of Teaching Work Undertaken by Visiting Faculty**

S.No.	Name of the Faculty	Semester	Subjects (Theory and Studio)	Hrs/ Week
1.	Ms. Swati Grover	I	Geo Informatics for Planning	2
2.	Mr. B.S. Butola	I	Demography and Statistical Applications	2
3.	Mr. Rakesh Kapoor	I	Socio-Economic Base for Planning	1
4.	Dr. T. R. Mahoharan	I	Socio-Economic Base for Planning	1
5.	Ms. Barsha Poricha	I	Socio-Economic Base for Planning	1
6.	Mr. P.K. Chaubey		Socio-Economic Base for Planning	1
7.	Mr. R. Srinivas	I	Planning Techniques	2
8.	Dr. Pushpa Pathak	I	Infrastructure and Transport Planning	1
9.	Mr. Rajeev Malhotra	I	Infrastructure and Transport Planning	1
10.	Mr. Shireesh Balwant Khodankar	I	Planning and Design Studio	12
11.	Ms. Chitra S. Jain	I	Planning and Design Studio	3
12.	Mr. TanujKapur	I	Planning and Design Studio	6
13.	Mr. Vinod Sakle	I	Planning and Design Studio	12
14.	Mr. Bijendra Kumar Jain	I	Planning and Design Studio	12
15.	Dr. Suptendu P. Biswas	I	Planning and Design Studio	12
16.	Dr. Sabir Ali	I	Planning and Design Studio	12
17.	Ms. Vaishali Girje	I	Planning and Design Studio	12
18.	Mr. Sudeep Roy	I	Computer Application	2
19.	Mr. Pawan Daulatrao	I	Computer Application	2

	Deshpande			
20.	Mr. Rishi Raj Bansal	II	Regional Infrastructure	2
21.	Ms. Anuradha Yagya	II	Land Market and Management	2
22.	Mr. Shubham Mishra	II	Advanced GIS Application	2
23.	Ms. Arpita Goyal	II	Studio - Village and Block Planning	2
24.	Ms. Arpita Goyal	II	Poverty and Development	2
25.	Dr. MahendraSethi	II	Climate Change and Its Impact	2
26.	Dr. Akshya Kumar Sen	III	Project Planning	2
27.	Mr. Sanjeev Saxena	III	Legal Issues in Planning and Professional Practice	2
28.	Dr. Pushpa Pathak	III	Resettlement and Rehabilitation	2
29.	Mr. Amit Bhargava	III	Spatial Data Infrastructure	2
30.	Mr. Rakesh Kapoor	III	Future Region	1
31.	Dr. Pushpa Pathak	III	Future Region	1
32.	Mr. Shubham Mishra	III	Studio	8
33.	Dr. Mahendra Sethi	IV	Thesis	6
34.	Mr. Sanjeev Saxena	IV	Thesis	9
35.	Ms. Banashree Banashree	IV	Thesis	6
36.	Mr. Sompalle Surendra	IV	Thesis	6
37.	Dr. Sachin Chaudhary	IV	Politics and Public Policy	1

## 7. Details of Studio Work Undertaken by Students

S.No.	Semester/Year	Title of the Studio & Brief Description
1.	Semester III, August to December 2020	<p><b>District Development Plan</b></p> <p>The main purpose of planning and design studio exercise in the third semester is to prepare a regional or sub-regional plan for an area of substantial geographical size having few urban and many rural settlements. In this studio, students were guided to</p>

		<p>prepare a 'District Plan' of three districts.</p> <p>A significant link in the hierarchy of plans, a sub-regional plan or district development plan intends to connect regional plan at the higher level and block and village plans (rural areas) and master plans (urban areas) at the lower level. Therefore, the purpose of this plan is to detail out the policies of a regional plan and to provide a framework within which block, village and urban development plans are to be prepared. It also attempts to ensure balanced development of a sub-region drawing on its potential strengths. Substantive focus of a district plan remains on population, settlement patterns, economy, transportation, industry, natural resources, heritage, tourism and regional governance. There may be other areas of concern in the district depending on its special contextual character. This exercise will focus on economic diversification and inclusive development for preparation of the district development plan.</p> <p>Preparation of a spatial plan for a district has assumed even greater significance after the implementation of the 73 and 74 amendments to the Constitution of India since 1992. District development plans assume further significance because major industrial and other development efforts have been initiated at district level.</p> <p>The plans were prepared for the districts of Lucknow in Uttar Pradesh, Raigarh in Maharashtra and Jaipur in Rajasthan. All these districts had unique characteristics and their respective states had different legal and institutional set-up for preparation of district plans. Lucknow is the state capital and economic centre in Uttar Pradesh. Raigarh is located in the peri-urban area of Mumbai and thus has unique issues being faced by it. Jaipur is also a capital city and the economic hub of Rajasthan, however, its proximity to Delhi sets it apart.</p>
2.	Semester I, August to December 2020	<p><b>Article Review</b> – the students selected articles from journals or chapters from books, pertaining to developmental or planning aspects, and reviewed it. This was an individual exercise.</p>



		<p><b>Area Appreciation/ Know your Neighbourhood</b></p> <p>The aim of the area appreciation exercise is to enable the students to understand the location of the area in relation to the city, zone and ward in which it is situated. The purpose is to make students appreciate the spaces, activities and people of an area and to make them understand the interrelationship between physical, socio-cultural, economic and environmental aspects. It also includes understanding of different land uses and how they functions together in an area.</p> <p>It was an individual exercise and the students selected areas from their home towns to carry out the exercise.</p> <p><b>Site Planning</b></p> <p>Site Planning involves understanding of relation between buildings, networks and outdoor space and thus is one of the basic skills of physical planners.</p> <p>For First Integrated Semester, Site Planning exercise involved identification of vacant plots of land of approximately 15-20 hectare size in Dwarka, Delhi, which was then allocated to students. The requirement is to develop an individual layout plan as per prevailing development regulations of Delhi Master Plan, environment and aesthetic considerations keeping in view innovative planning and design guidelines and considering the FAR and ground coverage standards as stated in the master plan of Delhi. This was a group exercise. Each group was expected to produce drawings/plans pertaining to land use, site design (building placement, building orientation, open space), network (vehicular and pedestrian circulation, roadway network design, parking), infrastructures and lifelines (water supply, sewage, drainage lines, power supply connection), landscape and urban design.</p> <p><b>Outline Development Plan (ODP)</b></p> <p>ODP has specific details of land-use, roads network, water supply, drainage, education infrastructure, etc. in a city. The plan is prepared in conjunction with the government agencies and citizens with an aim to</p>
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		<p>have better and focused development in the city along with the better quality of life for its residents. Taking this into account that cities are the focal point for the economic development, there is an increasing urge to identify the future development with the preparation of plans and guidelines for the city and urban areas.</p> <p>For ODP, a city is studied in terms of its present situations, issues, problems, potentials for development and then on the basis of analysis a futuristic vision for the holistic development of that city is projected. There are various sectors involved in the ODP like demography, regional settings, land-use, transport, infrastructure and housing etc., which have their respective role and importance in the analysis of the city in detail and then the consolidated outline development plan covering all aspects is prepared for the city.</p> <p>For First Integrated Semester four cities were considered for preparation of ODP, namely, Haridwar in Uttarakhand, Coimbatore in Tamil Nadu, Bhubaneswar in Orissa and Mirzapur in Uttar Pradesh.</p>
3.	Semester II, January to May 2021	<p><b>Block and Village Development, Karim Nagar Rural Block, Telangana State</b></p> <p>The main purpose of planning and design studio exercise in the second semester is to prepare a sub-regional plan of substantial geographical size having a balanced rural-urban composition. In this studio a Block and Village Development Plan will be taken up for study by the students.</p> <p>Decentralization of planning at the district level has been a part of the strategy for balanced development across the country. A Block Development Plan is a significant link in the hierarchy of plans, which intends to connect district plan at the higher level and village plans at the lower level. It attempts to ensure that haphazard and unplanned development does not take place in the block. Such a plan also seeks to prioritize and propose critical services of various kinds. Spatial economic development of a block is</p>

		<p>also an area of concern for such a plan. Village development plans are intended to bring about developments as desired by the citizens of the villages. It aims for better quality of life within the villages and in the immediate surroundings.</p> <p>The emphasis in the studio is to develop a plan for a resource rich but underdeveloped block. The focus is to formulate a strategy to make it more economically, environmentally and socially sustainable.</p> <p>Karimnagar Rural Block was selected as the case study for preparation of Block and Village Development Plan. It is one of the 16 Blocks in Karimnagar district of the Indian state of Telangana. It is under the administration of Karimnagar revenue division and its headquarter is located at Karimnagar. The block was reorganized in 2016, after which it consists of 14 villages. It is a part of Karimnagar district which is a backward district. However, it is endowed with a number of mineral resources which can be used as a potential for the development of Karimnagar Rural block.</p>
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## 8. List of Thesis Topics

S.No.	Name of the Students	Thesis Topics	Guide(s)
1.	Ananya Sadhukhan	Sustainable Development in a High of Crop Diversified Region: Case Study of Nadia District	Sanjeev Saxena
2.	Anuj Kharb	Real Estate Development in Bahadurgarh District.	Banashree Banerjee
3.	Deepankshi Verma	Contribution of Small Towns in Regional Development, Gwalior District, Madhya Pradesh	Vinita Yadav
4.	Deeptanshu Singh	Pandemic and Health Response: Jaipur Metropolitan Region	Vinita Yadav
5.	Devesh Rathi	Sustainable Rural Infrastructure Development	Vinita Yadav

6.	Jahanvi	Environmental Impact of Textile Industries in Panipat District	Mahendra Sethi
7.	Mathew Joseph Varkey	Sustainable Development of Riverine Ecosystem in Central Region of Kerala	Mahendra Sethi
8.	Shraddha Pandit	Potentials of Rural Tourism in Bankura District	Chetna Singh
9.	Srishti Singh	Spatial Interventions in a Cultural Region: Case Study of Prayagraj, Uttar Pradesh	Sanjeev Saxena
10.	Swapnil Purohit	Assessment of Regional Spatial Growth	Sompalle Surendra
11.	Tarunima Das Bharati	Horticulture based Development of Nadia District	Sanjeev Saxena
12.	Vipin Chander Pal	Regional Strategies for Smart Farming	Sompalle Surendra
13.	Rajat Singh Bhati	Impact of Sprawl in Palwal District, Haryana	Banashree Banerjee

## 9. Details of Ph.D. Thesis Topics

S.No.	Name of the Student	Thesis Topic	Name of the Guide(s)
1	Ms. Shashi Mehta	Resource Management in Aravali Region	Vinita Yadav
2	Mrs. Priya Bhardwaj	Disaster Led Outmigration: A Case of Uttarakhand	Vinita Yadav
3	Mr. Meet Fatewar	Subaltern Urbanisation in Uttar Pradesh: A Spatio-Economic Analysis	Vinita Yadav
4	Mr. Zeeshan Ibrar	Resilience Framework for Flood Affected Region: Case Study of Bihar	Vinita Yadav

## 10. Details of Research Projects

Name of the Project	Funded/ sponsored by	Name(s) of other Faculty in the Team (if applicable)	Name of the Project Coordinator
Design Innovation Centre	Ministry of Education	VinitaYadav	Ashok Kumar

## 11. Details of Consultancy Projects

NIL

## 12. Details of Publications

### Vinita Yadav

1. Yadav, V. (2020). 'Sustainable Regional Development', New Delhi: Studera Press, pages 352, ISBN No. 978-9385883-97-2.
2. Yadav, V. (2021). Assessing the State of Homeless People to Plan Inclusive Smart Regions" in Sharma (Ed.) Geospatial Technology and Smart Cities ICT, Geoscience Modeling, GIS and Remote Sensing, chapter no. 16, pages 289-296.
3. Yadav, V. (2020). An Overview of Smart Regions' Development, Chapter 1 in Sustainable Regional Development, Yadav, V. (Ed.), Studera Press, 2020, ISBN No. 978-9385883-97-2.
4. Priyadarshini, R. and Yadav, V. (2020). Disaster Resilient Framework for Regional Planning of Jagatsinghpur District, Odisha, Chapter 12 in Yadav, V. (Ed.) Sustainable Regional Development, , Studera Press, ISBN No. 978-9385883-97-2.
5. Bogra, B. and Yadav, V. (2020). Creating a Resilient Metropolitan Region: Case Study of Gurugram, Chapter 13 in Yadav, V. (Ed.) Sustainable Regional Development, Studera Press, ISBN No. 97893-8588397-2
6. Bhardwaj, P. and Yadav, V. (2020). Community-Based Disaster Management in Uttarkashi District, Uttarakhand, Chapter 14 in Yadav, V. (Ed.) Sustainable Regional Development, Studera Press, ISBN No. 97893-8588397-2
7. Yadav, V. (2020). Planning for Smart Region: Future Perspective, Chapter 15 in Yadav, V. (Ed.) Sustainable Regional Development, Studera Press, ISBN No. 97893-8588397-2.
8. Yadav, V. (2021). Views/Opinion of Women Planners in Education" in Planners News Letter, Institute of Town Planners India, April - June 2021, Vol. 18, No. 2, pp 26 – 27.

### Chetna Singh

1. Chetna Singh (2021). "Path towards sustainable water management: A case study of Shimla, India" Book chapter published in the book "Ecosystem- Based Disaster and Climate Resilience: Integration of Blue- Green Infrastructure in Sustainable Development", Springer, Singapore, pp. 337-356. ISBN- 978-981-16-4814-4. <https://link.springer.com/book/10.1007/978-981-16-4815-1>.

### **13. Details of Membership in Committees/ Editorial Boards, Any other**

#### **Vinita Yadav**

1. Member, Senate, SPA, New Delhi
2. Member, Department Research Committee, SPA, New Delhi
3. Member, Joint Department Research Committee, SPA, New Delhi
4. Member, Moderation Committee for Regional Planning and Master of Planning (First Semester Integrated Course)
5. Selection Committee-expert on the selection committee for promotion of teacher in the Department of Geography and Regional Development of the University of Kashmir, 28.09.2020.

#### **Chetna Singh**

1. Member, Azadi Ka Amrut Mohotsav Committee

### **14. Conferences, Exhibitions, Seminars or Workshops Organized**

NIL

### **15. Papers presented in Seminars, Workshops, Conferences, etc.**

#### **Vinita Yadav**

1. Presented a paper titled "Poverty, Decent Work and Participation of Women Domestic Workers in the context of Bangalore Metropolitan Region" in an "International Conference on the theme- Future challenges and sustainable development goals: Science to policy framework" from Shaheed Bhagat Singh College, Delhi University from 16.04.2021 to 18.04.2021.
2. Presented a paper titled 'Impact of Covid-19 on Migrant Villages' in 8<sup>th</sup> International Seminar on Architecture for Masses AFM 2021, Theme: Architecture and Planning for Villages, 17.03.2021 to 19.03.2021.
3. Presented Paper titled 'Centralised versus Decentralised Waste Management' presented in 'Role of infrastructure in Development of Region' on 18.11.2020.

#### **Chetna Singh**

1. Participated and presented paper titled: Assessing the relationship between regional accessibility and distribution of services across peri urban areas: Case study of Indore in two days International Conference "13th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries, December 2020".
2. Participated and Paper Title - Planning for Efficient Water Delivery in a Metropolitan Region: A Case of Chennai Metropolitan Region in one day National Seminar on "Role of Infrastructure in Development of a Region"

Organized by the Department of Regional Planning, on 18.11.2020, held at New Delhi.

## **16. Participation of Faculty members in Seminars, Workshops, Conferences, Exhibitions, etc.**

### **Vinita Yadav**

1. Participated One day seminar titled 'Role of infrastructure in Development of Region' on 15.04.2020.
2. Attended Five day DP/QIP titled 'Geo-Informatics Application in Planning' from 14.12.2020 to 18.12.2020.
3. Moderated Four Weeks National Training programme on "Risk Sensitive Land Use Planning", on 24.04.2021, held at New Delhi.
4. Facilitator in 4 week online course on "Risk Sensitive Land Use Planning" from 20.04.2021 onwards.
5. Delivered Guest Lecture online on Research Methodology' for post graduate student of Department of Architecture, Deenbandhu Chhotu Ram University of Science and Technology, Murthal (Sonapat), 03.03.2021.
6. Attended Five Day Annual Research on Cities Summit (ARCS 5.0), 10.02.2021 – 12.10.2021.
7. Attended NPTEL Course 'Urban Transportation Systems Planning' from 18.01.2021 to 25.04.2021.
8. Attended Sustainable Urbanism, Xavier School of Human Settlements, Xavier University Bhubaneshwar on 25.07. 2020.
9. Participated in the Online Certification Course in Urban Gardening, conducted by Trans-Disciplinary University (TDU)- Foundation for Revitalisation of Local Health Traditions (FRLHT) from 14.05.2020 to 17.05.2020.

### **Chetna Singh**

1. Participated in five days Faculty Development Programme/ Quality Improvement Programme on "Geo informatics Application in Planning", 14 to 18 December 2020 held at New Delhi.

## **17. Membership of Professional bodies**

### **Vinita Yadav**

Life Member, Institute of Town Planners New Delhi;  
Life Member, National Association of Geographers, India;  
Life Member, Regional Science Association of India, Calcutta;  
Life Member, The Deccan Geographical Society;  
Life Member, Indian Society of Remote Sensing.

**Chetna Singh**

Life Member, Institute of Town Planners India.

**18. Any Other Information of Relevance**

<b>S.No.</b>	<b>Professor's Name</b>	<b>Date</b>	<b>Topic of the lecture</b>
1.	Abha Singhal Joshi	16.09.2020	Legal Framework and Compliances in Planning
2.	Amit Bhargava	23.09.2020	Large scale Spatial Data Infrastructure (SDI) for Planning
3.	Sunil Kumar Mehra	07.10.2020	International Agreements- GATT & WTO
4.	Biswaranjan Baraj	14.10.2020	Demography and its Importance to Site Planning and Concepts of Population Projection'
5.	Anjali Pancholy	04.11.2020	City Concepts related to the Outline Development Plan
6.	Dr. Awadhendra Sharan	25.04.2020	Borders and Regions: Planning in the time of a Pandemic
7.	Prof. Dr. Sucharita Sen	03.02.2021	Report Writing Skills
8.	Dr. Rajnish Ranjan	27.02.2021	Regional Planning in the Context of Changing Climate to Combat Disasters Value
9.	Ms. Pooja Nandy	03.03.2021	Report Writing- Detailed Project Report
10.	Dr. Nisar Khan	07.04.2021	Outline of Research Writings: Technical Report and Publishing Skills



## 2.8 DEPARTMENT OF HOUSING

### 1. Academic Programs Offered by the Department

- Master of Planning (with specialization in Housing)
- Ph.D. Programme in Housing

### 2. Year of Establishment of the Department: 1958

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	CoA Reg.No.
P.S.N. Rao	Ph.D.; M.Plan.(H)(Gold Medal); B.E.(Civil); A.I.I.A.(by Exam); Cert. Urb. Mgt. (Canada); Adv. Cert. in Art Appr. (NGMA)	Director, Professor of Housing	Urban Planning, Housing, Real Estate, Water, Sanitation and Environment, Governance	COA/2001/2862
Ruchita Gupta	Ph.D.; M.Plan.(Housing);B. Arch.	Associate Professor	Housing	CA/99/24621
Harshita Deo	B.Arch.; M.Plan.	Assistant Professor	Urban Planning, Housing, Real Estate	CA/2009/44833
Rashi Gupta	M.Plan. (Housing); B.Arch	Assistant Professor (on contract)	Housing	CA/2007/39490

#### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Ruchita Gupta	III	Informal Housing, Slums and Poverty (Theory)	2
	I	Planning Studio	6
	III	Project Formulation and Design (Studio)	6
	II	Urban and Rural Housing Policy and Programmes (Theory)	2
	II	Housing Options and Strategy (Studio)	6
	IV	Housing Studio- Thesis (Studio)	6
Harshita Deo	I	Housing Theory	1
	I	Planning Studio	7
	II	Housing Standards, Designs and Projects Theory	2
	II	Housing Options and Strategy Studio	7
	III	Housing Project Formulation Studio	8
	IV	Housing Thesis Studio	7
Rashi Gupta	I	Theory-Housing & Environmental Planning	1
	I	Studio-PlanningStudio	9
	II	Theory-UrbanLandManagement	2
	II	Studio-HousingStrategy	7
	III	HousingStudio-Project formulation & Design	6
	IV	HousingStudio-Thesis	7

#### 5. Details of Teaching Work Undertaken in Other Departments

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Ruchita Gupta	Fourth Year B. Arch	Guided two Dissertation students	3
	B. Planning 3 Year, V Sem.	Housing (Theory)	1
	B. Planning 4 Year, VII Sem.	Guided one Thesis student	1
Harshita Deo	I	Planning for Conservation (Housing)	0.25 (Total 4 hours in the semester)

## 6. Details of Teaching Work Undertaken by Visiting Faculty

S. No.	Name of the Faculty	Semester	Subjects Theory and Studios	Hrs./ Week
1	Dr. J. B. Ghildiyal	III	GIS Studio	2
2	Vinod Sakle	III	Housing project and formulation (Studio)	4
3	Dr. Bipasha Kumar	III	Disasters and settlements	2
4	Dr. Bipasha Kumar	III	Disaster and Settlements (School Level Elective)	2
5	Dr. Pushpanjali Jha	III	Inclusion and community participation	2
6	Dr. Akshay Sen	II	Housing Finance and project formulation	1
7.	Rita Bhattacharya	II	Housing Finance and project formulation	1
8.	Dr. Shailesh Kumar Agarwal	II	Materials and Technology	2
9.	Dr. J.B Ghidiyal	II	GIS Studio	2
10.	Sh. Vinod Sakle	II	Housing Strategy Studio	3
11.	Smt. Chitra S. Jain	II	Housing Strategy Studio	3
12.	Sanjeev Saxena	IV	Housing Legislation and Governance	2
13.	Sanjeev Saxena Elective	IV	Housing Legislation and Governance (School Level Elective)	2
14.	Sh. Vinod Sakle	IV	Thesis Studio	9
15.	Chitra S. Jain	IV	Thesis Studio	5
16.	Rita Bhattacharya	IV	Thesis Studio	5

## 7. Details of the Studio Work Undertaken by Students

S. No.	Semester	Title of the Studio Assignment Brief Description
1	II	<b>Semester II - Housing Options and Strategy Studio</b> In this studio, students have studied the housing situation in their respective cities. They studied the various housing sub-

		systems including organic, planned and unplanned settlements and analyzing the various housing options available in different housing sub-systems based on people's affordability, also identified supply constraints, shortage, etc. and developed a strategy to address the housing problems of their respective cities in the next ten years.
2.	III	<p><b>Semester III- Housing Project Formulation and Design</b></p> <p>In this studio, 12 students have studied the housing market in their respective cities and its suburbs to formulate housing projects on selected site. On the selected sites, students have developed the product mix, developed the design of the project based on a number of considerations and studies and also worked out the financial feasibility in terms of IRR, cash flow and profitability.</p> <p>The remaining 12 students worked on a live project which aimed at Housing Build or Housing Fix Project for Slum Dwellers in 3 sites identified by Puducherry Smart City Development Limited (PSCDL), Puducherry Slum Clearance Board (PSCB), and City Investments to Innovate, Integrate and Sustain (CITIIS) team. The 3 selected sites, Kumargurupallam, Lambert Sarvanan Nagar, and Attupatti had the need-based "acupuncture" type upgrade of existing housing and construction of new units using sustainable building technique. Students worked in groups of 4 for the 3 selected sites. A holistic market study of the city was accounted for. The exercise enabled the students to formulate a design based on the needs and demands of slum dwellers, considering the participatory approach in the design process, the development controls of the city, and the impact of the user livelihood on the project. Students worked on the costing factor also to ensure the feasibility and the affordability factor.</p>

## 8. List of Thesis Topics

Sl. No.	Roll No	Names of Students	Thesis Topic	Guide
1	HSG/625	Aakriti Prasad	Role of Real Estate Developers Housing in Dhanbad.	Ms. Rashi Gupta
2	HSG/626	Abheek Maity	Thika Tenancy in Kolkata	Dr. Ruchita Gupta
3	HSG/627	Akshay Dabral	Disaster Resilient Housing in	Ms Harshita

			Dehradun District	Deo
4	HSG/628	Ananya Sr	Housing for Workers in Textile Corridor of Coimbatore	Ms. Chitra Jain
5	HSG/629	Arushi	Evaluation of Projects under Affordable Housing Policy 2013, Haryana	Dr. Ruchita Gupta
6	HSG/630	Ashish Jangid	Evaluation of PMAY Implementation in Raipur, Chhattisgarh	Ms. Rita Bhattacharya
7	HSG/631	Ayushi Garg	Evaluation of PMAY- Urban in Uttarakhand	Dr. Ruchita Gupta
8	HSG/632	Deepti Lundia	Impact of Urban Land Ceiling Act on Residential Real Estate in Kolkata	Ms. Rashi Gupta
9	HSG/633	Dhruv Mudgal	Illegal Land Colonization in Gurugram	Ms. Rashi Gupta
10	HSG/634	Jigisha Hasmukh Waghela	Evaluation of Integrated Township Policy, Gujarat	Prof. Dr. P.S.N. Rao
11	HSG/635	Kaustubh Jayanand Keni	Housing Project Plan Approval Process in Greater Mumbai	Mr. Vinod Sakle
12	HSG/636	Niharika	Stalled Housing Projects in Noida – Greater Noida: Causes and Consequences	Prof. Dr. P.S.N. Rao
13	HSG/637	Nupur Chandrakant Kachole	Eco Housing Policy and Projects in Pune	Mr. Vinod Sakle
14	HSG/638	Pallabi Banerjee	Housing Strategy for Disaster Affected Vulnerable Population in Sunderban Delta	Ms Harshita Deo
15	HSG/639	Parimi Rama Krishna Sarma	Evaluation of PMAY (U) in Andhra Pradesh	Ms. Rashi Gupta
16	HSG/640	Piyush Sandeep Girgaonkar	Housing Development in the Peri-Urban Areas of Pune	Mr. Vinod Sakle
17	HSG/641	Pragnya Bharati Sanbarsa	Resettlement and Reconstruction of Cyclone Affected Areas of Coastal Orissa	Ms Harshita Deo
18	HSG/642	R. Malsawmsangi	Implementation of PMAY in Mizoram	Ms. Chitra Jain
19	HSG/643	Ruchir Kumar	EWS Housing in PPP of Haryana	Prof. Dr. P.S.N. Rao

20	HSG/644	Saurabh Kumar Mishra	Impact of Floods on Rural Housing in Bihar	Ms. Rita Bhattacharya
21	HSG/645	Siddharth K.	Environmental Implications of Residential Real Estate in Ernakulum	Prof. Dr. P.S.N. Rao
22	HSG/646	Smruti Prabina Mishra	Evaluation of Deen Dayal Upadhyaya Jan Aawas Yojana, Haryana	Ms Harshita Deo
23	HSG/648	Vinay Talampure	Redevelopment of Government Employees Housing by Bhopal Smart City Limited	Mr. Vinod Sakle
24	HSG/649	Vishali J	Role of Real Estate Developers in Affordable Housing in Chennai	Dr. Ruchita Gupta

### 9. Details of Ph.D. Thesis Topics

S.No.	Name of the Student	Thesis Topic	Name of Guide (s)
1.	Ms. Anjali Sharma	Comprehending Process of Housing and Slum Redevelopment in Mumbai	Prof. Dr. P.S.N. Rao Prof. Dr. Ashok Kumar
2.	Ms. Suparana Lahiri	Cost Modeling of Housing Prototypes for Predicting an Optimal Building Height.	Prof. Dr. P.S.N. Rao
3.	Ms. Jyoti Dash	Comparative Analysis of Selected Land Pooling Models for provision of Land for Housing in India-Strength	Prof. Dr. P.S. N. Rao
4.	Abhishek Kumar Bittu	Framing Sanitation Solutions for Urban Poor in Metropolitan Cities	Prof. Dr. P.S. N. Rao
5.	Sarvesh B. Nandgirikar	Aberration of Koliwadas- Rethinking Urban Policies and Guidelines for Koliwadas of Mumbai	Prof. Dr. P.S. N. Rao
6.	Richa Goyal	Analysis and Impact of RERA act for Housing Projects: Case Study of Noida, U.P.	Prof. Dr. P.S. N. Rao

## 10. Details of Research Projects

Name of the Project	Funded/ sponsored by	Name(s) of Other Faculty in the Team (if applicable)	Name of the Project Coordinator
Decision Support framework for Resilient Critical Infrastructure (CI) against Extreme Weather Events (EWE) and Climate Change UGC for Indian Side and British Council for UK Side.	UGC-UKEIRI		P.S.N. Rao
Design Solutions for Low income Settlements.	DIC, SPA, New Delhi	P.S.N. Rao, Harshita Deo	Ruchita Gupta
Havelis of Shahjahanabad: Knowledge, Awareness, Enhancement	Project initiated by School of Planning and Architecture, New Delhi, India in collaboration with Department of Architecture and Design, Polytechnic of Turin, Italy	<p><b>School of Planning and Architecture, New Delhi</b> P.S.N. Rao, Ashok Kumar, Sanjukkta Bhaduri, Anuradha Chaturvedi, Harshita Deo, Bharti Sikri, Shubham Mishra</p> <p><b>Department of Architecture and Design, Polytechnic of Turin</b> Valeria Minucciani, Michela Benente, Maria Cristina Boido, Gianluca D'Agostino</p>	P.S.N. Rao, Ashok Kumar, Sanjukkta Bhaduri, Anuradha Chaturvedi

## 11. Details of Consultancy Projects

Name of the Project	Name of the Client	Name(s) of the Faculty	Name of the Team Leader
Numaligarh Refinery Ltd., Project.	Numaligarh Refinery Ltd.		P.S.N. Rao

## 12. Details of Publications

NIL

## 13. Details of Membership in Committees/ Editorial Boards/ Any other

**P.S.N. Rao**

### National Committees

- Member, National Wetlands Committee, National Wetlands Committee, Ministry of Environment and Forests.
- Member, Ministry of Tribal Affairs National Level Committee for Setting Up Museums for Tribal Freedom Fighters.
- Member, Expert Appraisal Committee, Ministry of Environment and Forests.
- Chairman, Town and Country Planning Board, AICTE.
- Member, Central Zoo Authority

### Editorial Boards

- Editor in Chief, SPACE Journal of SPA Delhi.
- Member, Editorial Board, ARCHITEKTON.

**Ruchita Gupta**

### Any Other

- External Expert for the Department Research Committee at Amity School of Architecture and Planning, Amity University Haryana.
- Expert, Reviewer of the conference papers in the TEQIP-III sponsored National Online Conference on Planning, Design and Management 2021.

**Harshita Deo**

### Editorial Boards

- Reviewer, Editorial Committee of AMPS (Architecture, Media, Politics, Society)



#### **14. Conferences, Exhibitions, Seminars or Workshops Organized**

NIL

#### **15. Papers presented in Seminars, Workshops, Conferences, etc**

##### **Ruchita Gupta**

1. Paper presented on *“Impact of Unplanned Residential Areas on Environment Sustainability of Megacities of India: Case Study Delhi”* at SPARK International Conference on Architecture & Beyond (ICAB-2021) organised by Sasi Creative School of Architecture, Coimbatore on 25 and 26 March 2021 on online mode.

#### **16. Participation of Faculty members in Seminars, Workshops, Conferences, Exhibitions, etc.**

##### **Ruchita Gupta**

1. Chairperson in two days National Conference on CITIES 2050: Planning, Governance and Management Practices, on 24.07.2021, held at Jaipur.
2. Participated in two days online “SPARK International Conference on Architecture & Beyond (ICAB-2021)” on 25.03.2021, held at Coimbatore.
3. Paper submission as co-author in the TEQIP-III sponsored National Online Conference on Planning, Design and Management 2021 organized by Town Planning Section, College of Engineering Pune from 26 to 27 February 2021. The title of the paper is *“Community Participation in the Design of Group Housing Projects”*.
4. Completed online Certificate Course called NAVARITIH on Innovative construction Technologies on 24 March 2021 which was seven day course under the Ministry of Housing & Urban Affairs, Govt. of India in collaboration with SPA, New Delhi & BMTPC.
5. Invited by Amity University, Noida to deliver a Special Lecture on “Slum Redevelopment: The Real Issues” on 8 March 2021.
6. Invited by MNIT, Jaipur to Chair a session in the National Conference on “CITIES 2050: Planning, Governance and Management Practices” on 23 July 2021.
7. Invited by Amity University, Noida as a speaker in a Five-day Value-Added Course on *“Online Workshop: Innovation in Materials, Techniques and Technology and Understanding sensitivity towards Built Environment”* on 30 June 2021.
8. Invited by New Horizon College of Engineering, Bengaluru as a speaker in a Six-day AICTE sponsored Faculty Development Programme on the theme “Futuristic Trends in Civil Engineering. The topic of my talk is *‘Analysis of Construction Practices in Unauthorised Colonies of Delhi’* on 28<sup>th</sup> July 2021.

9. Invited as a Reviewer of the conference papers in the TEQIP-III sponsored National Online Conference on Planning, Design and Management 2021. Invited by Amity School of Architecture and Planning, Amity University Haryana as an External Expert for the Department Research Committee on 30 July 2021.

#### **Harshita Deo**

1. Participated in five days National Training programme on “Practicing Sustainability in the Built Environment” on 11.03.2020, held at New Delhi.
2. Participated in two days National Conference “Affordable Housing in India”, on 19.04.2021, held online.

### **17. Membership of Professional Bodies**

#### **P.S.N. Rao**

Fellow, Institute of Town Planners India;  
Fellow, Institute of Engineers;  
Associate, Indian Institute of Architects.

#### **Ruchita Gupta**

Associate, Institute of Town Planners India.

#### **Harshita Deo**

Associate, Institute of Town Planners India.

### **18. Any other information of Relevance**

SPA, Delhi signed an MOU with Puducherry Smart City Development Limited (PSCDL) under CITIIS (City Investments to Innovate, Integrate and Sustain) project on 23<sup>th</sup> Sept 2020. Through this MOU the students of Department of Housing got an opportunity to work on live project in their studio programme.

The project was about “Our Neighbourhood is Your Neighbourhood Too – A Participatory Planning Approach for Improvement of Low-Income Settlements in Puducherry” envisages to make Puducherry a Smart and Sustainable City through a combination of interventions aiming at enhancing the social, urban and financial inclusion of low-income settlements in the city.

**P.S.N.Rao**

- Chairman, Town and Country Planning Board, AICTE, Ministry of Human Resource Development, Government of India.
- Chairman, Delhi Regional Chapter, ITPI.
- Director, Ujjain Smart City Ltd.
- Coordinator, NAVARITIH Training Programme organised jointly with BMTPC

**Ruchita Gupta**

- Completed online Certificate Course called NAVARITIH on Innovative construction Technologies on 24 March 2021 which was seven-day course in evening under the Ministry of Housing & Urban Affairs, Govt. of India in collaboration with SPA, New Delhi & BMTPC.

## 2.9 DEPARTMENT OF TRANSPORT PLANNING

### 1. Academic Programs Offered by the Department

- Master of Planning(with specialization in Transport Planning)
- Ph.D. Programme in Transport Planning

### 2. Year of Establishment of the Department: 1970

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization
Sewa Ram	B. Tech. (Civil); M.Plan.(TP); Ph.D.	Professor of Transport Planning	Transport Infrastructure Design, Traffic Engineering. Geometric Design, Network Planning, Design and Management Airport Planning and System Design. Land use Network and Development, Design for Universal accessibility, Transport Facility and design for pedestrian and cycle
Sanjay Gupta	M.Sc.; M.TP; Ph.D.; FITP; Commonwealth Academic Fellow(UK)	Professor of Transport Planning and Dean Research and Dean Faculty Welfare	Public Transport Planning, Freight Logistics, Transport Policy, Travel Behaviour and demand Modelling, Policy analysis , Transport Climate Change
Vinay Maitri	Ph.D.	Professor of Programmi ng and Dean (Students Affairs)	System Analysis and Design, Software Development, Computer Applications, System Testing, Database Management, EDP Auditing ISO 9000, Market Research

			Quantitative Techniques, Statistics, Transport Economics, Intelligent Transport System. SPSS and RCMDA
Chidambara	Ph.D. (Transport); M.Plan. (Transport); B.Plan.	Associate Professor	Sustainable transport planning and mobility; built environment and travel behaviour modelling; landuse-transport planning, TOD; transport equity; public transport planning and performance; multi-modal integration; last mile connectivity, transport policy and governance; low carbon mobility; NMT; electric mobility; shared mobility; tactical interventions and place making in transport; urban freight; innovative financing of urban development projects; transport economics.
Bhaskar Gowd Sudagani	Ph.D.; M.Plan.(TP); B.Tech. (Civil)	Assistant Professor	Urban Transport Planning, Transport Economics, Road Safety.

#### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Sewa Ram	I Sem (integrated)	Studio and Lecture Transport Planning	4
	II Sem	Road Safety and Environment	2
	II Sem	Traffic Engineering	2
	II Sem	Institute Elective (Design for Universal Accessibility)	2
	III Sem	Studio	4

	III Sem	Transport Infrastructure Design	2
	IV Sem	Thesis Guidance	4
		PhD Research Guidance	8
			Scholars
Sanjay Gupta	II	Public Transport Planning	2
	III	Logistics and Urban Freight	2
	III	Analytical Transport Planning	1
	III	Design Studio (Planning)	4
	IV	Transport policy, Legislation and Institutional framework	2
	IV	Thesis Guidance	5
		Ph.D. Research Guidance	
Vinay Maitri	I	Statistics	1
	I	Studio	4
	II	Studio/Traffic Lab (Analytic Techniques)	2
	II	Transport Economics	2
	III	Intelligent Transport System	2
Chidambara	I Sem. (integrated)	Studio	6
	III	Studio	5
	iii	Analytical Transport Planning	1
	iii	Public Transport & City Development (IE)	2
	II	Studio	6
	ii	Urban Transport Planning	1
	IV	Transport Policy and Institutional Framework	1
	IV	Thesis Guidance	6
Bhaskar Gowd Sudagani	II	Urban Transport Planning	1
	II	Studio-Preparation of Transport Plan	9
	III	Engineering Economics	1
	III	Studio-Hill Road Safety Audit	6
	IV	Thesis	6

## 5. Details of Teaching Work Undertaken in Other Departments

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Sewa Ram	I (Integrated)	Design Studio	3
	I (Integrated)	Lecture, Transport Planning	1
	Department of Architecture Conservation	Lectures on Transportation in Heritage Site	4 Hrs Lectures in III Semester
Sanjay Gupta	I (Integrated Programme)	Design Studio	3
Bhaskar Gowd Sudagani	I	Transport Planning	1
	I	Studio-Preparation of ODP	8

## 6. Details of Teaching Work Undertaken by Visiting Faculty

S.No.	Name of the Faculty	Semester	Subject (Theory & Studios)	Hrs/ Week
1.	Vaishali Gijre	III	Studio	2
2.	Ashok Bhattacharya	III	Studio	3
3.	Dr. V. Maitri	IV	Lecture	2
4.	Dr P.K. Sarkar	IV	Studio + Thesis	6
5.	Sh. Y.P. Sachdeva	II & IV	Studio +Thesis	7
6.	Ms.Vaishali Gijre	II & IV	Studio+ Thesis	9

## 7. Details of the Studio Work Undertaken by Students

S.No.	Semester	Title of the Studio Assignment and Brief Description
1	II	<p><b>Comprehensive Mobility Plan (CMP) for Nashik, Maharashtra.</b></p> <p>Objective of the study was to provide a long term vision for desirable accessibility and mobility pattern for people and goods in the city to provide, safe, secure, efficient, reliable, seamless connectivity that supports and enhances economic, social and environmental sustainability. Existing transport</p>

		infrastructure was assessed. Mobility data was collected through primary survey. Different planning proposals were studied. Future demographic projection, future physical plan and potential became the basis for Transport Plan.
2.	III	<b>Techno-economic feasibility of Transits in Dwarka</b> Different options of BRT at Grade, elevated, Monorail, LRT were examined from technical and economic feasibility point of view on two corridors that were assessed as potential corridors of public transport. Detailed design of alignment along with station design was prepared. Integration of the case study transit was done with existing transport system. Design for pedestrian and cycle facilities were integrated with the transit design. Detailed comparison was done for all possible system designs for planning projections.
3	III	<b>"Sustainable Freight Strategy for Delhi".</b> The studio exercise involved preparing a "Sustainable Freight Strategy for Delhi". Students collected information on freight patterns for different commodities (for wholesale, retail including e-commerce, industrial goods movement) for different freight generating and attracting points, mostly through telephonic and social media-based surveys and secondary sources. Since students were based in different towns and cities a small related exercise on understanding freight patterns and freight facilities in their respective hometowns was also undertaken. The findings from these was applied to the Delhi study. The study further made projections for BAU and sustainable freight scenarios, proposed strategies for both and assessed the environmental impacts under the two scenarios. The proposals also included planning for new freight facilities and improvement of the existing ones.

## 8. List of Thesis Topics

S.No.	Enrollment No.	Name of the Student	Thesis Topic	Name of the Guide
1	SPA/NS/TP/652	Aashish Ranjan Kumar	Potential of E-Micro Mobility For Passenger Travel In Urban Area	Dr. Chidam-Bara



2	SPA/NS/TP/653	Abhigyan Patra	Impact of Financial Incentives on Electric Vehicle Adoption Across India	Dr. Bhaskar G. Sudagani
3	SPA/NS/TP/654	Aneena Rose Innocent	Performance level Evaluation of Intermediate Public Transport	Dr. Chidambara
4	SPA/NS/TP/655	Anji babu Kuna	Impact of Multimodal Integration on Travel Behavior	Dr. Chidambara
5	SPA/NS/TP/657	Anshika Singh	Charging Infrastructure Planning For Electrifying Ride-Hailing Services	Dr. Sanjay Gupta
6	SPA/NS/TP/658	Ashwin S Prabhu	Development of Composite Bikability Index	Dr. Sewa Ram
7	SPA/NS/TP/659	Balguri Dwarkanath Sai	Impact of Covid on Public Transport	Dr. Chidambara
8	SPA/NS/TP/660	Dharna Dang	Developing Sustainable Urban Freight Index For Fruits And Vegetable Markets	Dr. Sanjay Gupta
9	SPA/NS/TP/661	Jacky Vijaykumar Bajaj	Risk Analysis of Cycle Safety in Mixed Traffic Condition Using Analytical Techniques	Dr. Sewa Ram
10	SPA/NS/TP/662	Mahak Dawra	Potential of Integrated Land Use Transport Structure For Improving Livability Around Mass Transit Corridor	Dr. Sanjay Gupta
11	SPA/NS/TP/663	Nivedha S	Integrating Social Equity in Public Transport Accessibility Planning	Dr. Sanjay Gupta
12	SPA/NS/TP/664	P. Karun Achintya	Potential of Bicycles in Hyperlocal Deliveries	Dr. Chidambara
13	SPA/NS/TP/665	Priyadarshni Alok	Impact of Landside Parameters on Demand of Airports	Dr. Sewa Ram

14	SPA/NS/TP/666	Seelam Joshi	Role of Public Transport Logistics Services in Freight Distribution	Dr. Bhaskar G. Sudagani
15	SPA/NS/TP/667	Sekhar Gottumukkala	Estimating value of time in Urban Freight Distribution	Dr. Bhaskar G. Sudagani
16	SPA/NS/TP/668	Shagun Lakhotiya	Potential of Vaccine Delivery Via Drone (UAV)	Dr. Sanjay Gupta
17	SPA/NS/TP/669	Shiv Kumar	Priority and efficacy of Traffic Signage	Dr. Bhaskar G. Sudagani
18	SPA/NS/TP/670	Shrishti Arya	Impact of Public Transport Contractual Models on Its Performance	Dr. Chidambara
19	SPA/NS/TP/671	Soumik Das	Analytical Framework For Rapid Assessment of Resiliency of Urban Road Networks	Dr. Sewa Ram
20	SPA/NS/TP/672	Soumyashree Chakraborty	Potential Use Of Micro-Mobility Modes for Freight Distribution in Urban Areas	Dr. Sanjay Gupta
21	SPA/NS/TP/674	Sumit Bilam	Intelligent Transport System (ITS) Intervention in Bus Transport And its Influence on mode choice	Dr. Bhaskar G. Sudagani
22	SPA/NS/TP/675	Venus Verma	E-Commerce Characteristics In Emerging Metropolitan Cities in India	Dr. Sanjay Gupta
23	SPA/NS/TP/676	Viragsatishhante	Impact of Work From Home on Urban Travel Demand and Environment	Dr. Bhaskar G. Sudagani

## 9. Details of Ph.D. Thesis Topics

S.No.	Name of the Student	Thesis Topic	Name of Guide(s)
1.	Laghu Parashar	Sustainable Public Private Partnership Framework for city bus operation	Prof. Dr. Sanjay Gupta
2.	Vaishali Gijre	Development of Safety Index for Road Based Public Transport	Prof. Dr. Sewa Ram
3.	Naina Gupta	Environmental Capacity of Urban Roads under mixed traffic conditions.	Prof. Dr. Sewa Ram
4.	Shawon Aziz	Rational Approach for Black Spot Assessment and its Management	Prof. Dr. Sewa Ram
5.	Monika Singh	Transport based social exclusion in urban areas	Prof. Dr. Sanjay Gupta
6.	Kushagra Sinha	Influence of Digital Technology on Travel Behavior	Prof. Dr. Sanjay Gupta
7.	Priyanka Kumar	Stakeholder Engagement base Decision Making in City Logistics	Prof. Dr. Sanjay Gupta
8.	Anjula Negi	Innovative Financing	Prof. Dr. Sanjay Gupta
9.	M.N.V. Pavan Kumar	Public Bike Sharing Systems and Travel behavior characteristics	Prof. Dr. Sewa Ram
10.	Shalvi Sharma	Airport connectivity Regional Development	Prof. Dr. Sewa Ram
11.	Rahul .V Bhatnagar	Level of Service for Access and Dispersal Facilities at stations of Different Categories	Prof. Dr. Sewa Ram
12.	Jaganath Das	Transport Network and Land use configuration	Prof. Dr. Sewa Ram
13.	D. Sairam	Non-Motorized travel demand integration in urban transport infrastructure	Prof. Dr. Sanjay Gupta
14.	Saloni Gupta	Low-carbon pathways to urban freight	Prof. Dr. Sanjay Gupta
15.	Adil Ata Azmi	Road accident Costing in India	Prof. Dr. Sewa Ram
16.	Pankaj Kant	Sustainable Goods Distribution Strategies for urban Areas	Prof. Dr. Sanjay Gupta

## 10. Details of Research Projects

Name of the Project	Funded/ sponsored by	Name(s) of other Faculty in the Team (if applicable)	Name of the Project Coordinator
CLIMATRANS with Institute of Transport Economics, Oslo Norway as lead partner and SPA Delhi As CoPI.	Norwegian Centre for Transport Research (Advanced stage of completion)	Not Applicable	Sanjay Gupta
Benefits of Visibility Improvement on Blackspots Using Retroreflective Solution	3M –Singapore	Dr. Sewa Ram, Dr. Bhaskar Gowd Sudagani	Dr. Sewa Ram,
Comprehensive Mobility Plan for Dwarka	Delhi Development Authority	Chidambara	Prof Dr. Sanjay Gupta
Preparation of Sub City Transport Plan for Dwaraka	Delhi Development Authority	Dr. Sanjay Gupta, Dr. Sewa Ram, Bhaskar Gowd Sudagani	Dr. Sanjay Gupta
Road safety Audit for Delhi Cantonment Area	Delhi Cantonment Board	Prof. Anil Diwan, Dr. Sewa Ram, Bhaskar Gowd Sudagani	Prof. Anil Diwan

## 11. Details of Consultancy Projects

Name of the Project	Name of the Client	Name(s) of other Faculty	Name of the Team Leader
Right of Way Management Plan for GMDA	GMDA	Dr. PSN Rao	Dr. Sewa Ram
Benefits of Visibility Improvement on Blackspots Using Retroreflective Solution	3M – Singapore	Dr. Bhaskar Gowd Sudagani	Dr. Sewa Ram,

Comprehensive Mobility Plan for Gurugram Metropolitan Development Area	GMDA	Prof. Dr Sewa Ram, D. Sairam	Prof. Dr. Sanjay Gupta
Comprehensive Mobility Plan for Dwarka, Delhi.	DDA	Sewa Ram, Chidambara	Sanjay Gupta
Preparation of Sub City Transport Plan for Dwaraka.	DDA	Sewa Ram, Bhaskar Gowd Sudagani	Sanjay Gupta
Road safety Audit for Delhi Cantonment Area	Delhi Cantonment Board	Prof. Anil Diwan, Dr Bhaskar Gowd Sudagani	Dr. Sewa Ram

## 12. Details of Publications

### Sewa Ram

1. Jose, A. and Ram, S.(2020)" Travel Time Reliability to Airport: Review and Assessment", Transportation Research Procedia, Elsevier, Vol.48,PP.2771-2783
2. Sha.wn Aziz and Dr Sewa Ram(2021)" A Review of International Practices for Identification of Accident Black Spots and its Application in India's Context", Indian Highways,Vol.49, Number:04, April 2021,ISSN 0376-7256,PP28-41.
3. Sewa Ram (2020),"Spatial Implications of Seaports, Airports and Transport System in a Metropolitan Region" Journal of ITPI, Vol.17x2,ISSN:0537-9679,PP54-66.
4. Naina Gupta, Sewa Ram, Bhaskar Gowd and Poojitha Surapu (2020),"Statistical Approach for Modelling Exposure to Background Air Pollution", Journal of Urban India 2020,Jul-Dec.

### Sanjay Gupta

1. Sanjay Gupta. Travel behaviour of working women in Indian cities, published in *International Research Journal of Engineering and Technology (IRJET)*, Volume: 08 Issue: 06 | June 2021, e-ISSN: 2395-0056 ( joint paper)
2. Sanjay Gupta. Impact of Covid-19 on Mobility Patterns of Working Women in Delhi, *published in Conference proceedings of 69th NTCP*, Vishakapatnam, 26-28th Feb. 2021, pp179-183 (joint paper)
3. Sanjay Gupta. Role of Digitally Enabled Transport Services for Mobility Planning in Post - Pandemic India, published in *Conference proceedings of 69th NTCP* , Vishakapatnam, 26-28th Feb. 2021, pp 184-193 (joint paper)

4. Sanjay Gupta. Resurgence of Active Transport as an alternate Mobility Option during and Post Covid-19 Pandemic in Urban Areas, *published in Conference proceedings of 69th NTCP* , Vishakapatnam, 26-28th Feb. 2021, pp 194-199 (joint paper)
5. Sanjay Gupta. Emerging E-Commerce Trends in Context of Covid-19 in India and Need for Decarbonising Urban Freight, *published in Conference proceedings of 69th NTCP* , Vishakapatnam, 26-28th Feb. 2021, pp 200-206 (joint paper)
6. Sanjay Gupta. Sustainable Urban Freight Strategies for Jaipur City, India. In: Golinska-Dawson P., Tsai KM., Kosaka-Olejnik M. (eds) *Smart and Sustainable Supply Chain and Logistics – Trends, Challenges, Methods and Sanjay Gupta. Best Practices*. Eco Production (Environmental Issues in Logistics and Manufacturing). Springer, Cham. [https://doi.org/10.1007/978-3-030-61947-3\\_10](https://doi.org/10.1007/978-3-030-61947-3_10) ( joint paper)
7. Sanjay Gupta. Urban Transport Governance Practice and Challenges in an Emerging Economy- Case Study of India. WCTR-2019, Mumbai, 26-30 May 2019, In *Transport Research Procedia 48 (2020)* 2435-2445 (joint paper)
8. Sanjay Gupta. Characteristics of urban freight traffic in a medium size Indian city - a case study of Udaipur, Rajasthan. WCTR-2019, Mumbai, 26-30 May 2019, In *Transport Research Procedia 48 (2020)* 503-521(joint paper)
9. Sanjay Gupta. Travel Probability Fields – An approach to understand travel behaviour: Case study of slum dwellers in Kolkata, India. WCTR-2019, Mumbai, 26-30 May 2019, In *Transport Research Procedia 48 (2020)* 1546-1554 (joint paper)
10. Sanjay Gupta. Application of Fractal Analysis in Evaluation of Urban Road Networks in small sized city of India: Case city of Karimnagar. WCTR-2019, Mumbai, 26-30 May 2019, In *Transport Research Procedia 48 (2020)* 1987-1997 (joint paper)
11. Sanjay Gupta. Urban rail system for freight distribution in a mega city: case study of Delhi, India. WCTR-2019, Mumbai, 26-30 May 2019, In *Transport Research Procedia 48 (2020)* 452-466 (joint paper)
12. Sanjay Gupta. Public private partnerships in city bus services- imperatives for a sustainable ecosystem in context of Indian cities. WCTR-2019, Mumbai, 26-30 May 2019 (joint paper)

### **Chidambara**

1. Siddharth, A. &Chidambara (2021). Planning strategies for walkable neighborhoods in Delhi. In International Conference Proceedings on Resilient & Liveable City Planning (RLCP 2020). 10-13 Feb 2021.
2. Supriya, M.Y. &Chidambara (2020). Impact of mixed use in townships in metropolitan cities. *SPACE – The SPA Journal of Planning and Architecture*, Vol22, No.1-4.

3. Chidambara (book chapter submitted on 2<sup>nd</sup> July 2021). An urban fabric-responsive last mile planning. In L. Loures (Ed.). *Urban Agglomeration*. Intech Open. ISBN 978-1-83969-561-2

### **13. Details of Membership in Committees/ Editorial Boards/ Any other**

#### **Sewa Ram**

##### **National Committees**

1. Member of H7 Committee of IRC
2. Co-Convener of H1 Committee of IRC
3. Member of Expert Committee on Formulation of Speed Limit in Delhi, Traffic Police
4. Member of Road Safety Committee of NCT Delhi

##### **Editorial Boards**

1. Member, Editorial Board, Journal of Urban India, NIUA.

#### **Sanjay Gupta**

##### **National Committees**

- Member, Jury, National Committee on Best Urban Transport award, Ministry of Housing and Urban Affairs, GOI,
- Member, Evaluation Committee, Institute of Town Planners, India
- Member, Advisory Committee, Department of Transport Planning and Logistics Management SPA Bhopal
- Member, Advisory Committee, Department of Planning & Architecture, GNDU Amritsar
- Member, Monitoring Committee on Service Level Benchmark (SLB) undertaken, MoHUA
- Member, Thematic Expert Committee Meeting for CSCAF 2.0 - Mobility & Air Quality, NIUA

##### **International Committees**

- Member, Special Interest Group (SIG H3) on "Infrastructure Operation and Traffic Management in Developing Countries" of World Conference on Transport Research Society (WCTRS), U.K
- Member, Special Interest Group (SIG 2) on "National and Regional Transport Planning and Policy" of World Conference on Transport Research Society (WCTRS), U.K

- Member, Special Interest Group (SIG 8) on “Urban Freight” of World Conference on Transport Research Society (WCTRS), U.K.
- Member, Standing Committee on Economic Development and Land Use (AMS50), TRB.

#### **Editorial Boards**

- Chairman, Publication Committee, Institute of Urban Transport (I)
- Member, SPACE journal, School of Planning and Architecture, Delhi

#### **Any Other**

- Member, Recruitment and Remuneration (R&R) Committee, IUT (India)

#### **14. Conferences, Exhibitions, Seminars or Workshops organized**

Nil

#### **15. Papers presented in Seminars, Workshops, Conferences, etc.**

##### **Sewa Ram**

1. Key Presenter on” Inculcating Research Culture in Teaching and learning Process” National Level “ Faculty Development Programme” organized by Central University of Rajasthan, 22.02.2021.
2. Key Presenter on “Scientific Methodology for Research” National Level “Faculty Development Programme” organized by Central University of Rajasthan, 06.03.2021.
3. Lecture in Webinar on “Planning ,Design and Geometric design for pedestrian and Cyclist” for “ Road Safety and Construction Management Training of UDH Engineers” National Level organised by MNIT Jaipur,30.01.2021
4. Lecture in Webinar on” Intersection Planning and Design” for Road safety, National Level, IIT Roorkee,23.02.2021.
5. Lecture in webinar on “ Research Methodology” National Level“ Faculty Development Programme” organized by Central University of Rajasthan, 15.02.2021.
6. Key Speaker on “Geometric Design of Highways” National Level, organized by Indian Academy of Highway Engineers,25.09.2020
7. Lecture on “Principle and Design of Interchanges” for Trainee Engineers, National Level organized by IAHE,17.08.2020
8. Key Speaker on “Safe Design of Node and Link” foundation Training Programme for AEE,MORTH , National Level,21.10.2020
9. Key Speaker on “Challenges and solutions for environmental friendly mobility” International Level ,5<sup>th</sup> South Asian Cities Summit 2020, Cidade de Goa , 05.03.2020



10. Key Speaker in Webinar on “Forgiving Roads” National Level organised by India Road Federation ,09.02.2021
11. Key Speaker in Seminar/Webinar on “Management of Traffic Conflict Points” in National Level Seminar of “Plan for Rectification of Blackspots during next one year” organised by MORTH,03.02.2021
12. Lecture in Training for Road Safety auditors on “ Safety at Intersection” organised by MNIT Jaipur, 19.10.2020
13. Lecture on “ Planning and design of intersection and interchanges” organised by MNIT Jaipur, 24.02.2021
14. Key Speaker in Webinar on “ Road Safety Audit and Traffic Engineering” organized by IAHE, National Level ,02.12.2020
15. Lecture in Webinar on “ Road Safety on Intersection and Interchanges”, National Level,organised by IIT Jammu,19.04.2021
16. Lecture in 15 days Training for Road Safety Auditors and Engineers organised by Indian Academy of Highway Engineers , MORTH, 15.10.2020
17. Key Speaker on “Traffic and Transportation Surveys “ for Transport Design for AEE,BRO, National Level,13.04.2021

### **Sanjay Gupta**

1. Lecture Talk on Sustainable Urban Transport Systems and Policy Imperatives, MGICCC-DTU Collaborative Short-term Training Programme on Climate Change and Sustainable Development, On 15.07.2021.
2. Key Presenter on Urban Freight Related Technical Capacities in Academia, National Level Consultative Meeting on Freight Smart Cities organised by Ministry of Commerce, GOI, 02.07.2021.
3. Lecture talk on Perspectives of Road Safety in India, National Road Safety Month- 2021 organised by Amity University, 12.02.2021.
4. Lecture talk on Overview of Comprehensive Urban Transport Planning Process and Emerging Research Issues, Short Term Training Program (STTP) “Recent Advances in Transportation Research”, Civil Engg. Deptt., Indus University, Gujarat, 21.12. 2020.
5. Invited panellist on Urban Freight Trends in Indian Cities and emerging challenges of sustainability, Mobilise Your City Webinar on Sustainable Urban Freight organised by UMTC, 30.10. 2020.
6. Lecture talk on Planning for sustainable transport, MGICCC- Short-term Training Programme on Sustainable Infrastructure, 14.10. 2020.

## **16. Participation of Faculty members in Seminars, Workshops, Conferences, Exhibitions, etc.**

### **Sanjay Gupta**

1. Participated in the “National Webinar on Tracking Urban Freight’s Path to Electrification in India”, 28 July 2021, by WRI.
2. Participated in the “National Webinar on MPD 2041”, 6<sup>th</sup> July 2021, byDDA.
3. Participated in the “National Webinar on Sustainable Urban Freight charter”, 25<sup>th</sup> June 2021, by TERI.
4. Participated in the “Webinar on Urban Mobility Planning : A developing country perspective”, 12<sup>th</sup> May 2021, by Freight Mobility Research Instt.
5. Participated in the “Webinar on First and Last Mile connectivity under MYC programme”, 22<sup>nd</sup> Dec. 2020, by UMTC.
6. Participated in the “Webinar on SMART MOVE – Innovative Urban Mobility Challenge”, 24<sup>th</sup> Nov 2020, by GIZ and NIUA.
7. Participated in the “National Webinar on Non -Motorised Transport under MYC Programme”, 6<sup>th</sup> Nov. 2020, by UMTC.
8. Participated in the “National Webinar on Urban Freight Transport under MYC Programm UMTC e”, 30<sup>th</sup> Oct 2020, by UMTC.
9. Participated in the “National Webinar on Multi modal Transport Network using Big Data”, 4<sup>th</sup> Aug 2020, by PHD Chamber.
10. Participated in the “National Webinar on Outlook of electric buses in India”, on 16<sup>th</sup> July 2020, by Busworld.

### **Chidambara**

1. Participated in one day International Conference 13th Urban Mobility India Conference, 2020, on 09.11.2020.
2. Participated in one day International Seminar “Localising Transport: Towards the 15-minute city or the one-hour metropolis” Organised by London School of Economics, on 20.05.2021.

## **17. Membership of Profession Bodies**

### **Sewa Ram**

1. Life member, IRC
2. Life member, UT
3. Associate member, ITPI

### **Sanjay Gupta**

Fellow Member, Institute of Town Planner, India  
Life Member, Institute of Urban Transport (I)  
Life Member, Transport Research Group (India)  
Member, Chartered Institute of Logistics & Transport (I)  
Life Member, Indian Roads Congress  
Life Member, Institute of Rail Transport, (I)  
Member, Indian Institute of Public Administration  
Member, Indian Institute of Remote Sensing (IIRS)  
Member, World Conference on Transport Research Society  
Member, International Association of Travel Behavior Research (IATBR)  
Member, World Society for Transport and Land Use Research (WSTLUR)

### **Chidambra**

Institute of Urban Transport India,  
Institute of Town Planners India,

### **Bhaskar Gowd Sudagani**

Life Member, Institute of Urban Transport India,  
Associate Member, Institute of Town Planners India,  
Life Member, Indian Roads Congress

## **18. Any other information of Relevance**

### **Sanjay Gupta**

1. Appointed Ph.D. thesis examiner of research scholar of Department of Architecture and Planning, MANIT Bhopal , Feb 2021
2. Appointed member of Academic Committee of Faculty of Physical Planning & Architecture, GNDU Amritsar 2021
3. Conducted Thesis jury examination of 2<sup>nd</sup> year students of Department of Planning MTIP , SPA Vijaywada, June 2021
4. Conducted External Jury Design studio examination of 1<sup>st</sup> year students of Department of Planning MTIP, SPA Vijaywada, June 2021
5. Delivered guest lectures on Public transport Planning and Transport Policy & Governance respectively to Masters students of Transportation and Infrastructure Planning (MTIP) at SPA Vijaywada, June 2021
6. Appointed Paper reviewer for the Urban Mobility India 2021 conference
7. Conducted M. Tech dissertation jury examination , SVNIT Surat, 22<sup>nd</sup> August 2020

**Chidambara**

- Paper setting, moderation and vetting for JEE Mains (Planning)
- Paper Reviewer, Urban India, NIUA

**Bhaskar Gowd Sudgani**

Rapporteur at 13<sup>th</sup> Urban Mobility India Conference 2020, International Conference.

**Special Lecture**

<b>Name</b>	<b>Semester</b>	<b>Subject</b>	<b>Date</b>
Prof. N Ranganathan Ex Professor, Head and Dean	IV	Special Lecture on “Transport Policies - Future Perspective”	03.02.2021

## 2.10 DEPARTMENT OF ENVIRONMENTAL PLANNING

### 1. Academic Programs Offered by the Department

- Master of Planning (with specialization in Environmental Planning)
- Ph.D. Programme in Environmental Planning

### 2. Year of Establishment of the Department: 1990

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	CoA Reg. No.
Meenakshi Dhote	B.Arch.; M.L.Arch.; Ph.D.	Professor and Head of Department	Environmental Planning and Urban Biodiversity	CA/85/9363
Jayeeta Sen	M. Plan.(EP); M.A.(Geography)	Assistant Professor (on contract)	Urban Biodiversity, Ecosystem Services, Sustainable Development and Healthy Cities and Air Pollution	
Bidisha Chattopadhyay	M.A. (Geo); M.Plan. (EP); Ph.D.	Assistant Professor (on contract)	EIA,SIA,Water	

### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/Week
Meenakshi Dhote	I	Planning and Design Studio	3
	II	Environmental Planning and Design Studio	3
	II	Resilient Cities	2

	III	Environmental Planning and Management Studio	6
	III	Degraded Land Management	1
	IV	Environmental Planning and Design Thesis Studio	6
	IV	Planning for sustainable settlements	2
Jayeeta Sen	I	Theory-Housing and Environment, (Environmental Planning)	1
	II	Theory environmental Planning and Design	2
	I	Theory Paper-Housing and Environment (environmental Planning)	1
	II	Theory Paper-Theory of environmental Planning and Design	2
	II	Studio on Environmental Improvement Plan for NCT Delhi with focus on Biodiversity and Ecosystem services	10
	III	Theory Paper-Environmental Protection and Management	2
	III	Studio-Environmental Management Plan for NCT Delhi with focus on Water	10
	IV	Thesis	4
Bidisha Chattopadhyay	I	MP 1.07 Housing and Environmental Planning	1
	I	MP 1.09 Planning and Design Studio	6
	II	EP 2.04 Environmental Impact Assessment	2
	II	EP 2.06 Environmental Planning and Design Studio	10
	III	EP 3.04 Advanced EIA Techniques	2
	III	EP 3.010 Environmental and Social Impact Assessment	2
	III	EP 3.05 Environmental Conservation and Management Studio	5
	IV	EP 4.02 Environmental Planning and Design Thesis	4

## 5. Details of Teaching Work Undertaken in Other Departments

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/ Week
Jayeeta Sen	I Sem. M.Arch. (AC)	Planning For Conservation (Environmental Planning)	8 hrs. total
	III	Studio work on Dehradun	2 hrs. total
	ISem. M.Arch.(AC)	Planning For Conservation (Environmental Planning)	8 hrs. total
	III	Studio-Dehradun (Natural resources)	2

## 6. Details of Teaching Work Undertaken by Visiting Faculty

Name of the Visiting Faculty	Semester	Subjects (Theory and Studios)	Hrs./ week
Sh. B. K. Jain Former Additional Commissioner Planning, DDA	III Sem.	EP Planning and Design Studio	4
Dr. T.R. Manoharan	III Sem.	Environmental Economics and Environmental Auditing	2
Sh. Ishwer Singh	III Sem.	Environmental Legislation	1
Sh. Sunil Mehra	III Sem.	Planning Legislation	1
Sh. Damanjit Singh Minhas	II Sem.,	Environmental Conservation and Management Studio	4
	III Sem.	EP Planning and Design Thesis	
	IV Sem.	EP Planning and Design Studio	
Ms. Barsha Poricha	III Sem.	Research Methodology and Seminar	2
Ms. Rashmi Gupta	II Sem.	Environmental Impact Assessment Environmental Monitoring and Assessment	2

		and Assessment (Laboratory )	
Sh. S.Khodanker	II Sem.	Environmental Conservation and Management Studio	2
	III Sem.	EP Planning and Design Studio	
Sh. Dilip Kumar	II Sem.	EP Planning and Design Studio (GIS )	2
	III Sem.	GIS Application	
Dr. Marisha Sharma	II Sem.	Environmental Impact Assessment Environmental Monitoring and Assessment (Theory )	2
	IV Sem.	EP Planning and Design Thesis	
Sh. Paramdeep Singh Oberoi	II Sem.	Formulation, Financing and management of Environmental projects	2
Sh. Ajay Raghava	IV Sem.	EP Planning and Design Thesis	4
Sh. Santosh Kumar	II Sem.	Environmental Impact Assessment Environmental Monitoring and Assessment (Laboratory )	2
Sh. Saurav Sen	IV Sem.	EP Planning and Design Thesis	4

## 7. Details of the Studio Work Undertaken by Students

<b>Name of the Studio</b>	<b>Precise Objectives of the Studio</b>	<b>Case Study Description</b>	<b>Major Conclusions and Outcomes</b>
<b>EP Design Studio (IInd Semester)</b>	<b>First Module</b> To study environmental resources and develop a baseline for all	<b>First Module</b> Baseline was developed for Ladakh UT, Leh town and impact of land use and	<b>First Module</b> Ladakh and Leh lie in an arid, ecologically fragile area vulnerable to climate induced



	<p>spatial planning related aspects of Ladakh UT and Leh town. To identify sectors for intervention with respect to low carbon growth based on impact assessment of land uses and activities. To calculate the carrying capacity of the identified sectors with respect to carbon emissions.</p> <p><b>Second Module</b> To formulate an Environmental Improvement Plan for Leh town, within the overarching framework of low carbon approach.</p>	<p>associated activities on carbon emissions was assessed. The sectors for priority interventions were identified through detailed analysis and calculation of carbon emissions. Carrying capacity, land suitability, population projection exercises were undertaken to form a rational base for the strategies.</p> <p><b>Second Module</b> Strategies were recommended across various spatial scales. Strategies for low carbon growth, sustainable tourism, suitable land use distribution and pattern, development guidelines and governance were formulated.</p>	<p>disasters. In the recent past, there has been a spurt in urbanisation, largely due to increasing tourism, resulting in pressure on natural resources, particularly water and productive land. There has been an increase in energy consumption as well leading to higher carbon emissions.</p> <p><b>Second Module</b> Environment Improvement Plan Leh Ladakh (With focus on Low Carbon)</p>
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## 8. List of Thesis Topics

Roll No	Name	Thesis Topic	Name of Guide(s)
SPA/NS /EP/369	Adharapurapu Lakshmi Anusha	Mainstreaming disaster risk reduction in development	1.Thesis Co-ordinator –

		Planning – A case study of Vijayawada City	Dr. Meenakshi Dhote 2. Dr. Bidisha Chattopadhyay
SPA/NS /EP/371	Anjana S	Environmental Planning Strategies for a Resilient Thiruvananthapuram	1. Thesis Co-ordinator – Dr. Meenakshi Dhote 2. Mr. Ajay Raghav 3. Ms. Jayeeta Sen
SPA/NS /EP/372	Chainesh Joshi	Healthy City Approach with focus on Air Pollution – A Case Study of Raipur	1. Thesis Co-ordinator – Dr. Meenakshi Dhote 2. Mr. Saurav Sen 3. Ms. Jayeeta Sen
SPA/NS /EP/373	Charul Garg	Zero Waste Management Strategies for Gwalior	1. Thesis Co-ordinator – Dr. Meenakshi Dhote 2. Dr. Bidisha Chattopadhyay
SPA/NS /EP/374	Divya Malakar	Sustainable Development Approach for Small and Medium Towns: A case Study of Dewas	1. Thesis Co-ordinator – Dr. Meenakshi Dhote 2. Dr. Bidisha Chattopadhyay
SPA/NS /EP/375	Keerthana Gopinath	Spatial Planning Strategies for Blue-Green Infrastructure – A Case Study of Coimbatore city	1. Thesis Co-ordinator – Dr. Meenakshi Dhote 2. Mr. Ajay Raghav 3. Dr. Bidisha Chattopadhyay
SPA/NS /EP/376	Jaideep Singh	Planning Strategies for Developing Industrial Ecology in the Panipat – Samalkha Region	1. Thesis Co-ordinator – Dr. Meenakshi Dhote 2. Ms. Jayeeta Sen
SPA/NS /EP/377	Jyoti Kumari	Spatial Planning Strategies for Controlling Air Pollution – A Case Study of NCT Delhi	1. Thesis Co-ordinator – Dr. Meenakshi Dhote 2. Dr. Marisha Sharma 3. Dr. Bidisha Chattopadhyay
SPA/NS /EP/378	Jyoti Negi	Urban Agriculture as a strategy for Local Food Security– A case study of NCT Delhi	1. Thesis Co-ordinator – Dr. Meenakshi Dhote

			2.Ms. Jayeeta Sen
SPA/NS /EP/379	Kada Kuladeep Vamsi	Environmental Management for Peri – Urban Areas: A case study of Visakhapatnam	1.Thesis Co-ordinator – Dr. Meenakshi Dhote 2.Mr. Damanjeet Singh Minhas
SPA/NS /EP/380	Sampath Kumar Mande	Environmental Planning Strategies for Managing Urban Floods: A Case Study of Hyderabad Agglomeration	1.Thesis Co-ordinator – Dr. Meenakshi Dhote 2.Mr. Saurav Sen 3.Dr. Bidisha Chattopadhyay
SPA/NS /EP/381	Sharika Justice	Environmental Planning Strategies for Integrating Biodiversity Concerns into Urban Plans: A Case Study of Kochi, Kerala	1.Thesis Co-ordinator – Dr. Meenakshi Dhote 2. Jayeeta Sen
SPA/NS /EP/382	Shivam Maheshwari	Containing Air pollution with green Infrastructure: A Case Study of Noida	1.Thesis Co-ordinator – Dr. Meenakshi Dhote Mr. Damanjeet Singh Minhas
SPA/NS /EP/383	Viriekhonuo Mere	Environmental Planning Strategies for Mining Town of Korba	1.Thesis Co-ordinator – Dr. Meenakshi Dhote 2.Dr. Marisha Sharma 3.Ms. Jayeeta Sen

## 9. Details of Ph.D. Thesis Topics

Year of Enrollment	Name of the Student	Thesis Topic	Name of the Research Supervisor
2013-14	Ms. Mahalaxmi Karnad	Ecological Planning for Urban Stormwater Management	Prof. Dr. Meenakshi Dhote
2016-17	Ms. Jayeeta Sen	Instruments for mainstreaming Biodiversity into urban planning	Prof. Dr. Meenakshi Dhote

2017-18	Ms. Neha Sarwate	Institutionalize of Environmental Zoning	Prof. Dr. Meenakshi Dhote
2018-19	Ms. Meenakshi Pawar	Effects of urban green landscape pattern on particulate matter pollution-A Case Study of Delhi	Prof. Dr. Meenakshi Dhote
2018-19	Mr. Akash Sharma	“Revival of Cultural Resources for Environmental Up gradation in Heritage Region – case of Brajbhoomi”	Prof. Dr. Meenakshi Dhote
2020-21	Ms. Abha Sharma	Environment responsiveness of Urban design theories with respect to Re-velopment	Prof. Dr. Meenakshi Dhote
2020-21	Ms. Moushila De	Climate responsive planning of arid areas of Rajasthan	Prof. Dr. Meenakshi Dhote

## 10. Details of Research Projects

Name of the Project	Funded/ sponsored by	Name(s) of other Faculty in the Team (if applicable)	Name of the Project Coordinator
ENVIS Resource Partner on Human Settlements.	Ministry of Environment Forests and Climate Change		Meenakshi Dhote
Design Innovation Center Project on Toolkit on Urban Biodiversity	Ministry of Human Resource Development	Heemanshu Pawar	Meenakshi Dhote

## 11. Details of Consultancy Projects

Name of the Project	Name of the Client	Name(s) of the Faculty	Name of the Team Leader
Urban Wetland management Guidelines- A Toolkit for Local Stakeholders.	National Mission for Clean Ganga	P.S.N.Rao; Anubha Singh; Jwngma Basumatary	Meenakshi Dhote
Carrying Capacity of Air Pollution in NCT Delhi.	Delhi Pollution Control Committee	Jwngma Basumatary; Heemanshu Pawar	Meenakshi Dhote
Regional Plan NCR 2041	NCRPB	P.S.N.Rao; Sanjukkta Bhaduri; Ashok Kumar; Sanjay Gupta; R. Biswas; Meenakshi Dhote	P.S.N.Rao

## 12. Details of Publications

### Meenakshi Dhote

1. H. Panwar, P. Bedi and M. Dhote (2021). Application of Computational Fluid Dynamics in Planning of City Level Tree Plantation. *Advances in Environmental Research*, Vol. 83; Justin A. Daniels (Editor); Published by Nova Science Publishers, Inc. New York; pages 187 -220.
2. Prof. Dr. Meenakshi Dhote and Moushila De (2020). *Environment and Climate Change -Challenges for Planning of Built Environment in India*. In Proceedings of 69<sup>th</sup> NTCP Conference, Visakhapatnam, pp 31-35.

### Bidisha Chattopadhyay

1. Bidisha Chattopadhyay (2020). Urban Size Classes and Civic Amenities: A Case of Urban Centres in Select Indian States. Book chapter: in ed. Urban Environment: Issues and Challenges, 2020 New Delhi. R.K Books, pp 21-41.

## **Jayeeta Sen**

1. Sen, Jayeeta and Dhote, Meenakshi (2020). Book Chapter 11: Interface Between Instruments of Development Planning and Biodiversity Planning and Conservation, Biodiversity and Livelihood. in *Lessons from Community Research in India* (eBook), Pp. 144-176. Ed. Oommen V. Oommen, Laladhas K.P., Erach Bharucha, Bentham Publications, ISBN: 978-981-14-8307-3 (Print), 978-981-14-82151-1 (Online), DOI: 2174/97898114821511200101.

## **13. Details of Membership in Committees/ Editorial Boards/ Any other**

### **Meenakshi Dhote**

#### **National Committees**

- Member, Delhi Urban Heritage Foundation
- Member, Environmental Cell, NDMC
- Co-Chair, Study Group for Review of Chapter on Environment of the Regional Plan-2021 for NCR.
- Member, Biodiversity Foundation, NCT Delhi.
- Member, Study group on Sustainable Development of Andaman & Nicobar Islands , 2015
- Member, State Environmental Assessment Committee, Govt. of NCT of Delhi, 2015 to 2018
- Member, NGT Committee on Carrying Capacity based Development of Shimla, Himachal Pradesh.2015-2016
- Member, NGT Committee on Carrying Capacity assessment of Manali and Mcleodganj, Himachal Pradesh, 2015-2016.
- Member, NGT Committee on assessment of Sushant Lok, Gurugram, haryana
- Member, Sub-Committee on Sustainable Habitat Parameters for Urban Planning under National Mission on Climate Change, TCPO, New Delhi.
- Member, Working Group II-B of UTTIPEC, DDA, I.P. Estate, New Delhi on retrofitting of existing corridors.
- Member, Study Group on Formulation of Guidelines for Buffer Areas around Solid Waste Disposal Sites, Central Pollution Control Board.

#### **Any Other**

- Expert Member on the BoS of Ph.D. Programme at SPA.

#### **14. Conferences, Exhibitions, Seminars or Workshops Organized**

Nil

#### **15. Papers presented in Seminars, Workshops, Conferences, etc.**

##### **Meenakshi Dhote**

1. Virtual seminar on “Vulnerabilities of Wetlands and its Impact on Climate Change” - Prof. Meenakshi Dhote, Paper presentation 4 December 2020, Centre for Environment, Energy and Climate Change, Asian Development Research Institute (CEECC, ADRI).
2. Talk in the '6-Day Industry-Academia Outreach Program' on “Urban Dynamics and Climate Change” on 28th November 2020. Paper presented.
3. Speaker in SDGs in the Context of Covid – 19’. The 69th National Town and Country Planners Conference, being held during 26th – 28th February, 2021; at Visakhapatnam, paper presented.
4. Talk at online (virtual) training programme on “Natural Resource Governance” at HIPA, on 23rd June 2021, paper presented.
5. Lecture in a training programme hosted by the Environmental Planning department SPA, Bhopal jointly with NIDM. August 27<sup>th</sup> 2021, paper presented

##### **Jayeeta Sen**

Participated and presented paper titled “Imperatives and impediments to integration of urban biodiversity and ecosystem services in Development Planning: A case study of Mumbai’ in three days International Conference “Future Challenges and Sustainable Development Goals: Science to Policy Framework” on 16.04.2021, held at Delhi.

#### **16. Participation of Faculty members in Seminars, Workshops, Conferences, Exhibitions, etc.**

##### **Meenakshi Dhote**

1. Round Table - Expert Group on Environment” - zoom meeting on “ Air Pollution issues in winter Months” on Sunday, 18th October 2020, Heart Care Foundation of India
2. Chief Guest at the Environment Youth Forum in NIT Patna on Saturday 16th January 2021
3. Panel discussant on “Water Value of Stakeholders” on Monday, 22<sup>nd</sup> March 2021, WATER HUB, SPA Delhi

4. Panel discussant on 'Critical Infrastructure: Water Resource Management' (CI: WRM) on 27th May 2021 4.30; P4CA group (Planners for Climate Action)

### **Jayeeta Sen**

1. Participated in one day “Brainstorming Roundtable on: Keeping Pace with Dynamic Needs of Water Management and Sanitation in Cities” on 23.06.2021, held at Delhi.
2. Participated in one day ENVIS and SPA organized event on “Imparting Academic awareness to the Students in the Field of Environmental Sciences” on 07.06.2021 held at Delhi.
3. Participated in one day ENVIS and SPA organised Webinar on “Settlements of Indigenous People: Lessons of Sustainability and Resilience” held on 09.08.2020, Delhi.
4. Participated in one day ENVIS and SPA organised Webinar on “Culture and Heritage of Delhi City on World heritage Day” held on 19.04.2021, held at Delhi.

### **Bidisha Chattopadhyay**

1. Participated in one day National Seminar “Imparting academic awareness to the students in the field of Environmental Sciences, ENVIS Resource Partner on Human Settlements and their impact on environment”, School of Planning and Architecture, New Delhi, Ministry of Environment, Forests and Climate Change, on 07.06.2021.
2. Energy Conservation & Planning and Design of Human Settlements, ENVIS Resource Partner on Human Settlements and their impact on environment, School of Planning and Architecture, New Delhi, Ministry of Environment, Forests and Climate Change, 14<sup>th</sup> December, 2020.
3. Settlements of Indigenous People Lessons for Sustainability and Resilience, ENVIS Resource Partner on Human Settlements and their impact on environment, School of Planning and Architecture, New Delhi, Ministry of Environment, Forests and Climate Change , 9th August, 2020.
4. Keeping pace with the dynamic needs of water management and sanitation in cities, National Institute of Urban Affairs, 23.06.2021.

## **17. Membership of Professional Bodies**

### **Jayeeta Sen**

Member, Institute of Town Planners India.

### **Bidisha Chattopadhyay**

Member, Institute of Town Planners India.



## 18. Any other Information of Relevance

### Activities under ENVIS RP for the FY 2020-2021:

ENVIS RP on Human Settlements and Their Impact on Environment School of Planning and Architecture, New Delhi

<b>Work Plan Distribution on Quarterly Basis</b>	
<b>Ist Quarter: April-June, 2020</b>	
<b>Poster:</b>	<ul style="list-style-type: none"> <li>• Lockdown Impact on Environment-I</li> <li>• Lockdown Impact on Environment-II</li> <li>• COVID-19: Do's and Don'ts</li> </ul>
<b>Article</b>	<ul style="list-style-type: none"> <li>• Social Distancing – Its implication to climate resilience</li> </ul>
<b>PowerPoint Presentation</b>	<ul style="list-style-type: none"> <li>• Lockdown impact on AQI Index and vehicular movements at Delhi-NCR borders</li> </ul>
<b>Questionnaire</b>	<ul style="list-style-type: none"> <li>• Evaluating the lockdown Impact on Environment</li> </ul>
<b>Webinar</b>	<ul style="list-style-type: none"> <li>• Role of City planning in controlling pandemics</li> </ul>
<b>Special Publication</b>	<ul style="list-style-type: none"> <li>• 'Tolerant Vegetation Species for Greenbelt Development' – prepared by the students of the GSDP course on 'Greenbelt Development for Industries'</li> <li>• EIA and Biodiversity- Volume I</li> </ul>
<b>IInd Quarter: July-September, 2020</b>	
<b>Poster</b>	<ul style="list-style-type: none"> <li>• Sanitization techniques at Office premises, homes etc.</li> <li>• World Ozone Day- 16<sup>th</sup> September</li> </ul>
<b>Article</b>	<ul style="list-style-type: none"> <li>• COVID-19 effects on ecosystem services □ Urban Plantation' and its importance in today's context</li> </ul>
<b>Questionnaire</b>	<ul style="list-style-type: none"> <li>• Impact of development on Environment</li> <li>• Need for Urban Greenery</li> <li>• World Ozone Day</li> </ul>
<b>Webinar</b>	<ul style="list-style-type: none"> <li>• Settlements of Indigenous People: Lessons for Sustainability and resilience</li> </ul>
<b>Special Publication</b>	<ul style="list-style-type: none"> <li>• EIA and Biodiversity- Volume II (Impact of Thermal Power Plants on Biodiversity)</li> </ul>
<b>Competition</b>	<ul style="list-style-type: none"> <li>• Essay writing on 'Importance of Ozone layer in Environment' for school students from class 8<sup>th</sup>-12<sup>th</sup></li> </ul>
<b>IIIrd Quarter: October-December, 2020</b>	
<b>Poster</b>	<ul style="list-style-type: none"> <li>• Importance of Plantation in Urban Cities</li> <li>• World Urbanism Day- 8<sup>th</sup> November</li> <li>• World Habitat day- 5<sup>th</sup> October</li> </ul>

<b>Article</b>	<ul style="list-style-type: none"> <li>• Town Planning in Urban Areas Vs Rural Areas</li> </ul>
<b>Webinar</b>	<ul style="list-style-type: none"> <li>• Role of Urban Biodiversity in a City's Well Being</li> </ul>
<b>Special Publication</b>	<ul style="list-style-type: none"> <li>• EIA and Biodiversity- Volume III (Impact of Hydropower Based Industries on Biodiversity)</li> <li>• Habitats variations around the globe</li> <li>• Top GRIHA rated Green Buildings of India</li> </ul>
<b>Questionnaire</b>	<ul style="list-style-type: none"> <li>• World Town planning Day</li> <li>• National Energy Conservation Day – 14<sup>th</sup> December</li> </ul>
<b>Competition</b>	<ul style="list-style-type: none"> <li>• Quiz on Habitats and ecosystems</li> </ul>
<b>IVth Quarter: January- March, 2021</b>	
<b>Poster</b>	<ul style="list-style-type: none"> <li>• World Wetland Day- 2<sup>nd</sup> February</li> <li>• World Wildlife Day- 3<sup>rd</sup> March</li> <li>• World Forestry Day- 21<sup>st</sup> March</li> </ul>
<b>Articles</b>	<ul style="list-style-type: none"> <li>• Impact of Human Settlements on Forests and Wildlife</li> </ul>
<b>Webinar</b>	<ul style="list-style-type: none"> <li>• Rainwater harvesting in Urban areas</li> </ul>
<b>Questionnaires</b>	<ul style="list-style-type: none"> <li>• Conserving our Forests and Wildlife</li> <li>• Wetlands of India</li> </ul>
<b>Special Publication</b>	<ul style="list-style-type: none"> <li>• EIA and Biodiversity- Volume IV (Impact of Coal Based Industries on Biodiversity)</li> </ul>

## 2.11 DEPARTMENT OF INDUSTRIAL DESIGN

### 1. Academic Programs Offered by the Department

- Master of Design (Industrial Design)
- Ph.D. Programme in Industrial Design

### 2. Year of Establishment of the Department: 1992

### 3. Faculty Profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	CoA Reg.No.
Mandeep Singh	B.Arch.; M.Arch.(UD); Ph.D.	Professor & Head, Department of Industrial Design	Architectural Design, Urban Design, Earthquake Resistant Architecture	CA/80/5 693
Parag Anand Meshram	B.E.(Electronic s); Master of Design (ID)	Associate Professor	Product Design, System Design, Social Design	
Aditi Singh	B.Arch.; M.Arch.(ID)	Assistant Professor (Deputy Warden, Hostel, since 2017)	Product Design Sustainable System Design, Next-gen Experience Design, Social Innovation	
Krity Gera (Presently on Study Leave)	M.Arch.(ID); B.Arch.	Assistant Professor	Design Social, Design for Sustainability, Design Research Methods, Design for Cities	CA/2005 /35697
Sushil Ichhya Vijay	M.Arch.(ID)	Assistant Professor	Lighting Design & Form Exploration	N.A.

#### 4. Details of Teaching Work Undertaken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hrs/Week
Parag Anand	I	ID1.07 - Design Project 1	10
	II	ID2.12 - Design Thinking	2
	III	ID3.10 - Universal Design	2
	III	ID3.01 Design Management	1
	III	ID3.04 - Computer Aided Industrial Design 2	1
	IV	ID4.02 - Thesis Project	12
Aditi Singh	I	ID1.07 - Design Project 1	10
	I	ID1.03 - Manufacturing Processes & Techniques	1
	II	ID2.04 - Computer Aided Industrial Design 1	2
		ID3.02 - Product Detailing	1
	III	ID3.09 - Branding & Marketing	2
	III	ID3.04 - Computer Aided Industrial Design2	2
	IV	ID4.02 - Thesis Project	12
	IV	ID4.01 - IPR, PP&E	1
	IV	ID4.03 - Design Degree Show	1
Sushil Ichhya Vijay	I	ID1.04 - Design Methods	1
	I	ID1.10 - Applied Arth & Crafts	2
	I	ID1.06 - Studies in Form	2
	I	ID1.05 - Communication & Presentation Techniques	1
	II	ID2.06 - Design Project 2	10
	II	ID2.08 - Social Design	2
	II	ID2.05 - Advanced Form Studies	2
	II	ID2.01 - Human Factors in Design	1
	III	ID3.05 - Design Project 3	10
	IV	ID4.03 - Design Degree Show	1

## 5. Details of Teaching Work Undertaken in Other Departments

S.No.	Semester	Subject	Hrs. / Week
1	ii	ID2.12 - Design Thinking	2
2	iii	ID3.10 - Universal Design	2

## 6. Details of Teaching Work Undertaken by Visiting Faculty

Sr. No.	Name of the Faculty	Semester	Subjects (Lecture & Tutorial/Studio)	Hrs./ Week
1	Sharad Mathur	I	ID1.07 Design Project 1 Studio	5
		I	ID1.06 Studies In Form Studio	2
		II	ID2.06 Design Project 2 Studio	10
2	Arun Bhardwaj	I	ID1.03 Manufacturing Process & Techniques Lecture & Tutorial	L= 1hr. T= 1hr.
		I	ID1.08 Mechanics & Electronics in Industrial Design Lecture	2
		III	ID3.02 Product Detailing Lecture & Tutorial	L=1hr. T=1hr.
		II	ID2.02 Advanced Manufacturing Techniques Lecture	2
		IV	ID4.01 IPR, PP&E Lecture & Tutorial	L=1hr. T=1hr.
3	Francis Joseph	I	ID1.01 Design History & Design Theory Lecture	2
		I	ID1.05 Communication & Presentation Techniques Tutorial	2
4	Anisha Shekhar Mukherji	I	ID1.02 Research Methods & Critical Writing Lecture	2
		II	ID2.03 Design Research Lecture & Tutorial	L=1hr. T=1hr.
5	Vipul Maheshwari	I	ID1.07 Design Project 1 Studio	5
		I	ID1.06 Studies In Form Studio	2
		IV	ID4.02 Thesis Project Studio	11

6	Amit Gulati	III	ID3.01 Design Management	Lecture & Tutorial	L=1hr. T=1hr.
		II	ID2.01 Human Factors in Design	Lecture & Tutorial	L=1hr. T=1hr.
7	Naveen Rampal	III	ID3.05 Design Project 3	Studio	10
		II	ID2.06 Design Project 2	Studio	10
8	Rahul Tyagi	III	ID3.05 Design Project 3	Studio	10
		III	ID2.06 Design Project 2	Studio	10
9	Dharmesh Jaiswal	II	ID2.04 Computer Aided Industrial Design 1	Tutorial	2
		IV	ID4.02 Thesis Project	Studio	9
		I	ID1.07 Design Project 1	Studio	8
		III	ID3.04 Computer Aided Industrial Design 2	Tutorial	2
10	Siddharth Kumar	III	ID3.08 Contemporary Technology in Design	Lecture	2
		II	ID2.11 Design Engineering & Prototyping	Lecture	2
11	Anup Takalkar	II	ID2.05 Advanced Form Studies	Studio	2
		I	ID1.05 Communication & Presentation Techniques	Tutorial	2
12	Riga Singh	III	ID3.03 System Thinking & User Experience Design	Lecture	2
		II	ID2.03 Design Research	Lecture & Tutorial	L=1hr. T=1hr.
		II	ID2.05 Advanced Form Studies	Studio	2
		I	ID1.06 Studies In Form	Studio	2
13	Sidharth Khatri	I	ID1.04 Design Methods	Lecture & Tutorial	L=1hr. T=1hr.
		II	ID2.05 Advanced Form Studies	Studio	2

## 7. Details of the Studio Work Undertaken by the Students

FIRST SEMESTER			
S.No.	Student Name	Project Title	Description
1	Anirban Poddar	1 Espino: Infrared Thermometer	Non- contact Infrared Thermometer for primary schools
		2 Stellar: Luxury Optical Packaging	Branding and Packaging for luxurious optical instruments (Glasses, Telescope and Binoculars)
		3 Breeze Spots: Countering Humidity Issue	Smart microclimate system design for countering humidity issue in Bus stand
2	Anu Sam	1 Trimmer	Designing a trimmer devoid of gender stereotypes
		2 Extratte: Branding and Packaging	Luxury branding and packaging catering to the wellness and beauty sector
		3 Keravila: System Design	System level intervention addressing coconut farming and harvesting in Kerala
3	Arijit Sengupta	1.OJIGI - the wifi router	The wifi router that is easy to place at any surface and position, providing best wifi range
		2.Shahista - luxury Brand development & packaging design	A luxury Sanitary ware brand development and washbasin packaging design.
		3.Rain recharge - system design	A system design to generate revenue through rain water recycling for a marketplace
4	Ayushi Jaiswal	Handblender- BLEND IN	To design a hand blender which is versatile, sleek and easy to use for Home, Open kitchens and Restaurants
		Luxury Branding and Packaging - Ra Shanaur (Tableware)	Branding and Packaging design for Luxurious Tableware set
		Paan spitting system design	System level solution for paan spitting problem in Varanasi

5	Dhanashree Patil	1 WiFi router	The wifi router that is easy to place at any surface and position, providing best wifi range
		2 Luxury Branding - Ra Shanaur (Tableware)	Branding and Packaging for Luxury Tableware
		3 Waste Management System Design (Packaging Waste)	System Design to solve the issue of packaging waste.
6	Dhiraj Daimary	1 Emergency Lamp- Helix	Portable emergency lamp that has a multipurpose use.
		2 Branding and Packaging for Aasand	Packaging and Building brand image for a luxurious furniture brand.
		3 System Design for Waste Collection and Management	Smart waste collection and Regulation system for reducing littering and degradation of natural bodies.
7	Girish Kumar	1. Airvase (Hair dryer for Gen Z)	Designing a cordless, compact hair dryer for the Tech Savvy Generation.
		2 Extratte: Branding and Packaging	Wellness and beauty sector- Luxury branding and packaging.
		3 Ferry service- Transportation	System design focusing on mass transit network of Ferries plying in West Bengal.
8	Jaspreet Singh	1. BP Monitor	Design a blood pressure monitor for visually impaired.
		2. SHVET - The luxury luminaries brand	The packaging that reflects the luxurious language of the brand
		3. Cow - Care Project	A system-level solution for the management and tracking of stray cows in India.
9	Justin Baby Sabu	1. BP Monitor	Design an arm mounted BP monitor or all time monitoring.
		2. STELLAR packaging	Branding and Packaging for Luxurious Optical instruments. (Glasses, Telescope and Binoculars)
		3. KoXst	System design using an App to resolve the Stray dog issue in Trivandrum city.



10	Manisha	1 Emergency Lamp- Helix	To design a portable, compact and versatile emergency lamp for household purposes.
		2 WAWA : Baby Stroller- Branding & Packaging Design	Luxury Brand design for Outdoor Baby Gear and Packaging Design for baby Car Seat
		3 Footway : Last mile connectivity	To design a system for pedestrian friendly environment.
11	Murshida CV	1. Airvase (Hair dryer for Gen Z)	Designing a Hair dryer for the modern generation (Gen Z)
		2.Luxury Branding - Ra Shanaur (Tableware)	Branding and Packaging for Luxury Tableware
		3.Garb-E - waste management system	A system level solution for waste collection in rural part of Kerala
12	Nandul S	1. <b>Airvase</b> (Hair dryer for Gen Z)	Designing a Hair dryer for the modern generation (Gen Z)
		2. <b>SHVET</b> - The luxury luminaries brand	The packaging that reflects the luxurious language of the brand
		3. <b>Unanimous</b> (System design for Jackal interference in human habitat)	Providing a system design for solving wild life interference to human habitats (especially Jackals in North Kerala)
13	Nikhil Nandanwar	1. OJIGI - The wifi router	The wifi router that is easy to place at any surface and position, providing best wifi range
		2. SHVET - The luxury luminaries brand	The packaging that reflects the luxurious language of the brand
		3. ORANGE LINE - System level solution for foul smell	The system level solution to the foul smell coming from the Nag River of Nagpur.
14	Nilanjan Roy	1 Unisex trimmer " <b>Tulipa</b> " for modern grooming	Rethinking trimmers for unisex grooming, easy going, with better ergonomics and which self sanitizes.
		2 Luxury Optics Brand " <b>STELLAR</b> " (Packagng & Branding)	Develope brand design identity, language; develope a brochure and designing packaging for polaoid glasses, binoculars and telescopes.
		3 Rescue System Design for flood mitigation in	Design a system which assists and interacts with people stuck in

		Assam "(ResQ)"	adverse flooding scenarios, providing rescue, aid and other amenities
15	Parag Gurav	Infrared Thermometer	Infrared thermometer for school
		Branding & Packaging - Aasand	Branding & Packaging for furniture brand Aasand
		System design - street vendors	system to reduce use of plastic bags
16	Prachi Shrivastava	1 Airvase- Hair Dryer	Designing a Hair dryer for Gen-Z
		2 AVISA- Luxury Yacht	Branding & Packaging design of the welcome kit for AVISA
		3 System Design -Issue of offline education in College during Covid 19	System to enable safe offline classes in college campus during covid-19 pandemic
17	Pruthviraj Nikumbh	1 Hand blender (blend-in)	To design a hand blender which is versatile, sleek and easy to use.
		2 Branding & Packaging - Aasand	Branding & Packaging for furniture brand Aasand
		3 System Design :- Traffic Problem	System design To resolve a traffic issue
18	Sadhvi Maini	1 Hand blender- <b>BLEND IN</b>	To design a hand blender which is versatile, sleek and easy to use for Home,Open kitchens and Restaurants.
		2 <b>Shahista</b> - luxury Brand development & packaging design	Luxury Sanitary ware brand development and Shower head packaging design.
		3 System Design :- <b>Women safety in Delhi</b>	System design To Help Women in emergency situation.
19	Sanjay Stalin	1 TULIPATrimmer - Home Appliances	Brief was to design a trimmer for anyone with bearded, which is not looks like a normal trimmer
		2 WAWABaby Products - Branding & Packaging Design	Luxury Baby Stroller brand development and Stroller packaging design
		3 MOSCO2-system design	System level intervention for the Kerala's Mosquito problem

20	Saumya Gangwar	1 Infrared Thermometer	Non- contact Infrared Thermometer for primary schools
		2 Extratte	Wellness and beauty luxury brand development and packaging design
		3 Abandoned parks of Lucknow - picPARK	System design development for areas of parks receiving low footfall and generate revenue
21	Shubhra Paul	1 Glucometer	To design user friendly and Hybrid type Glucometer which is easy to carry and use.
		2 WAWABaby Products - Branding & Packaging Design	Luxury Baby carrier brand development and Stroller packaging design
		3 JATAYU :System design: women security in unsafe areas of newtown,kolkata	System design for a locality transforming into a market after office hours so that the dark empty lanes do not encourage rising of antisocial activities
22	Sidhesh Vilasadasan	1 Hand blender (blend-in)	To design a hand blender which is versatile, sleek and easy to use.
		2 Avisa (luxury yacht)	Packaging design for the scale model of avisa yacht
		3 System design: flood Rescue	System design for carrying out the rescuing operations during the flood
23	Somanka Biswas	1 Glucometer	To design user friendly and Hybrid type Glucometer which is easy to carry and use.
		2 Avisa (luxury yacht)	Packaging design for the captain's wheel of avisa yacht
		3 System design:Skill-Safe(Secure community building for elderly)	System design for elderly people to provide security by making a subscription based plan in exchange of their skills to the community
24	Sukriti Singh	1. Trimmer	Design a gender- neutral trimmer
		2. Brand development and product packaging : Siroi	Creating a luxury brand ideatity for artinsal perfumes with packaging design for the same - SIROI

		3. System Design: Public seating service	Portable seating service in urban public areas.
25	Surbhi Gupta	1 Glucometer	To design user friendly and Hybrid type Glucometer which is easy to carry and use.
		2 Brand Development and Product packaging: Shahista	Developing a premium Brand identity and packaging design for Sanitaryware product brand which imparts mughal oppulence providing royal experience to your bathroom.
		3 System Design: Korba Coal Problem	System design for villagers of korba, addressing the problem of coal stealing from running train.
26	Vishnu Priyan	1 Helix- Emergency lamp	To design a portable emergency lamp that with multiuse aspect to it.
		2 Siroi- Branding identity & Packaging design	Creating a luxury brand ideatity for artisional perfumes with packaging design for the same - SIROI
		3 Protective Relay - Adressing rodent(rats) issue in a city through system design	Adressing the growing population of rodents in a city and solving the same through a system design.
27	Vriktsha Rumba	B P monitor	Design a blood pressure monitor for visually impaired.
		Brand development and product packaging : Siroi	Creating a luxury brand ideatity for artisional perfumes with packaging design for the same - SIROI
		System Design: GARB-EDGE	Alternate smart waste collection system in Gangtok, Sikkim

### SECOND SEMESTER

S .No.	Student Name	Project Title	Description
1	Anirban Poddar	1 Trikon: Streetlight Design	To design a street light following the art movement : Deconstructivism to be installed in Public spaces
		2 Hannah: Expandable Sofa	To design a sofa following the art movement : Deconstructivism that can accomodate extra people without taking up much space in living room

		3 Voyage :Motion sickness bracelet	Designing a wearable device for countering motion sickness while travelling
2	Anu Sam	1 Trikon: Streetlight Design	Social design of a streetlight following Deconstructivism
		2 Step Up: Utility ladder	Design of a product to access vertical heights within a living space, following Deconstructivism
		3 Edu-Collar	A product to facilitate better interaction in a remote classroom set up.
3	Arijit Sengupta	1.Trikon: Streetlight Design	To design a street light following the art movement : Deconstructivism, to be installed in Public spaces.
		2.The Nest - Semi-portable cupboard design	A home organisation product for decluttering of elements in a small living room scenario.
		3.G.O.A.T - A customisable boot design	To develop a brand identity and design a customised boot design for aspiring footballers.
4	Ayushi Jaiswal	1. Dadagiri Tea stall	To develop Tea stall in Dadaism Style.
		2. Clothfolding solution	To design a creative way of folding clothes perfectly aligned quickly by the users to ease down the process.
		3. Wearable device for Joggers	To design a product which helps reducing sweat while jogging and help people with irritation and bad odour due to sweating.
5	Dhanashree Patil	1 Bird Feeder Design	Social design-Designing a birdfeeder for public park: Constructivism Design Style
		2 Foldable Chair for balcony	Designing foldable chair for balcony area for different times of the day.
		3 Waxit - Mess free Waxing	A portable,handy mess free personal waxing equipment to ease the waxing process.
6	Dhiraj Daimary	1 Dr. Awkward- Street Clock	Street clock that is inspired from Optical Art style
		2 Symphony Stand- Stand for MIDI keyboards	A stand for MIDI keyboards for the home based music enthusiasts

		3 Dr. Electro- A electro therapy device	An electro therapy device along with massaging feature for athletes that aids in pain relief from acute injuries.
7	Girish Kumar	1 Voice on Counter- Kids play area	An interactive bench located in parks to provide joy for both kids and their guardian based on Minimalism as the art style.
		2 Gyro Bar- Kids study table	A flexible study table for kids to cope up with their different postures to make studying more of an entertaining task. (Minimalism)
		3 Cycle to work	To understand the painpoint of cycle to work scheme and take sweating and cleaning oneself as the foremost reason for design intervention.
8	Jaspreet Singh	1. Drinking Fountain design	A Drinking water fountain for Indian Streets taking inspiration from Pop Art.
		2. Twin lights for home workstations	Ideate an ideal illumination product that can focus on intensive tasks but can be re-positioned at the same time to perform multiple activities.
		3. Hologram based Night lamp for better sleep	Design a product which will create a Relaxed, Undisturbed and comfortable environment so that one can fall asleep and have a peaceful and a relaxed sleep cycle.
9	Justin Baby Sabu	1. Koolbin	A Dustbin designed for Indian Metros in Bauhaus Art Style
		2. Unsplatter	A Lid for Indian kitchens to help solve oil splatter issue and act as a strainer.
		3. Swimming gear	A head gear for youg athletes to help facilitate breathing while training.
10	Manisha	1 Voice on Counter : Public Seating - Kids Play Area - Interactive Bench Design	To design public seating which would accommodate both, parents and kids. <i>It should be interactive and</i>

			<i>engaging so that it provides some resting time for parents as well.</i>
		2 Sort on Wheels: Kids Room - Kids Clutter Declutter	To design a product to declutter kids belongings easily.  <i>Kids themselves take responsibility to Clean their mess and encourage the child to a cleaner surroundings.</i>
		3 Care Imagery: A solution to help combatting CVD like Hypertension	To design an interactive tool for managing stress in people suffering with chronic diseases like Blood pressure and Diabetes.
11	Murshida CV	1 De stop (bus shelter)	To design a bus shelter in a busy city context through de-stijl art movement
		2 POSE	A product which assist the kitchen user to reduce the stress in the body
		3 PRO-PEN	A product that help a designer to sketch on any flat surface.
12	Nandul S	1. Dr. Awkward- Street Clock	Developed a street clock in Optical Art style
		2. Spruce (Electronics gadget)	Designing a gadget for Electronics engineer for better work and easy maintance
		3. Maze (Game design)	Desihning a game for visually impaired to master tactile and social skills.
13	Nikhil Nandanwar	1. Dadagiri - A Tea stall in Dadaism style	A tea stall that reflects the Dadaism style in form and function
		2. Aurora - The device to change the mood of room	A device that works on five human senses to create and change the mood of the ambience around you
		3. Foliote - A spittoon for elderly alzheimer patients	A spittoon that is easy to use and clean, used by elderly Alzhiemer patients
14	Nilanjan Roy	1 Workstations for transit stations	Inspired from "memphis" art form, designing a workstation, fixed and stationary for quick work.
		2 Sleeping solution for babies of young parents	A solution for babies (aged 1-2 yrs) who co-sleep with their parents (nuclear families).

		3 Chalk carry-n-use solution for high rock climbers	A product for rock climbers, who carry substantial amount of chalk as they climb up, prevent chalk loss and interact better.
15	Parag Gurav	Bird feeder	Bird Feeder for public place
		Cooling Planter	Product to reduce heat in balcony
		Movable Camera	product which will help wildlife photography
16	Prachi Shrivastava	1. Koolbin	To design a dustbin designed for Delhi Metros in Bauhaus Art Style
		2 Ghee container	To design a ghee container which makes it easy to dispense ghee in any of its form.
		3 Envelope (Sleeping bag to carry when trekking)	To design a product facilitating comfortable sleep on uneven surface while camping and trekking.
17	Pruthiviraj Nikumbh	1 Drinking Fountain design	A Drinking water fountain for Indian Streets taking inspiration from Pop Art.
		2 Work from home-workstation	To design a product which will help to focus on office work during work from home and also avoids the noise, disturbance and chaos
		3 Cooking equipment for treks	To design a compact, easy to carry cooking accessories for trekkers.
18	Sadhvi Maini	1 Tea Stall	To develop Tea stall in Dadaism Style.
		2 Seating in bedroom	Space saving Seating for bedroom which is multiuse for the bedroom.
		3. Asthma Inhaler+Spacer	Product to make Inhalation and delivery Convenient of medicine for people with asthma.
19	Sanjay Stalin	1 KOOLBIN Dustbin	To design a dustbin designed for Indian Metros in Bauhaus Art Style
		2 YoYo Dish Washer	Mini countertop Dish washer for a Nuclear family
		3 TAVOL Palette For Travelling Artist	Customised palette design for travelling artist
20	Saumya Gangwar	1 Dr. Awkward-Street Clock	Designed a street clock in Optical Art style
		2 Work & Snack	Designed a product that allows controlled, accident-free snacking



			and beverage consumption that happens on workstations
		3 Ambulatory assistive devices	Designed an elegant and functional walking aid for people recovering from injury/surgery
21	Shubhra Paul	1 Bird Feeder Design	Social design-Designing a birdfeeder for public park: Constructivism Design Style
		2 Drumitri : product design for drying clothes in balcony area	product design for drying clothes in balcony area solving the issue of hampering the visibility to and from the balcony and slippery floors while hanging the clothes
		3 Videase X1 :product design for vloggers : vlogging kit	product design for vloggers : create upload and stream content without any hassle and get rid of 'SELFIE ELBOW'
22	Sidhesh Vilasadasan	1 De stop (bus shelter)	To design a bus shelter in a busy city context through de-stijl art movement
		2 Ruffle (kitchen compost bin)	Compost bin which is able to manage bio waste in urban kitchens using the basic principle of aerobic decomposition
		3 Sally (fabric disinfectant)	To design a solution which will help to the disinfect the clothes and clean it in a specific manner on the go
23	Somanka Biswas	1 Voice on Counter : Public Seating - Kids Play Area - Interactive Bench Design	To design public seating which would accommodate both, parents and kids. <i>It should be interactive and engaging so that it provides some resting time for parents as well.</i>
		2 Ball Rush: Kids Room - Cognitive toy	The design is to encourage kids to do more physical activity through a cognitive game which will also develop their cognitive senses
		3 Pure-O	To design a all terrain water filter for backpackers
24	Sukriti Singh	1. Drinking Fountain design	A Drinking water fountain for Indian Streets taking inspiration from Pop Art.

		2. Footrest Design	Seek a solution to reduce physical stress and anxiety by integrating interactive play in the home office.
		3. Garbage storage for hikers	Design a product for an individual to carry their own trash and also collect trash thrown away by others
25	Surbhi Gupta	1 Memphis: Transit Working station	To Design a working space in transit station such as airport lounge, for working while commuting or waiting, inspired from Memphis Style.
		2 Diaper changing station for babies	To Design a Diaper changing station for new born babies to make the process of diaper changing; easy, hygienic, and organised for mothers.
		3 Strapless nightware attachment for people sleeping in Prone position	To Design a Sleepware attachment which will help you maintain a comfortable sleeping posture that could reduce cervical and lumbar pain associated with it.
26	Vishnu Priyan	1 De-stop Modular Bus shelter (community level design)	To design a bus shelter in a busy city context through de-stijl art movement
		2 Flexi-Hood kitchen hood	To design a solution for ventilating compact working kitchens which is more flexible for the users.
		3 Twister - thermal comfort device for riders	To design a product to maintain thermal comfort within riding jackets for long trip riders (upper body)
27	Vriktsha Rumba	1 Memphis: Transit Working station	To Design a working space in transit station such as airport lounge ,for working while commuting or waiting, inspired from Memphis Style.
		2 PLAY-STORE: storage solution for toddler toys	Design a storage solution for toddler's daily use toys (current favourites) to efficiently collect, organise and store the toys after playtime. The storage unit should be such that:
		3 Architect's handbag (women)	To design a handbag/handbag insert/accessory for an Architect (who is a woman) that comfortably

		accommodates and arranges their daily essentials required at work
<b>THIRD SEMESTER</b>		
<b>S.No.</b>	<b>Student Name</b>	<b>Title of the Studio Assignment Description</b>
		<b>DP 3 ...Sustainability...</b>
1	Fahim Abdul Rahman	<b>Smart Citizen:</b> A system for solid waste segregation, storage and organic treatment for households
2	Akash Pandit	<b>Aero-Chill:</b> Sustainable Air condition system
3	Ann Mary Antony	<b>Paper box:</b> All your educational books in a single device.
4	Arpana Kumari	<b>Float House :</b> A sustainable system or product to mitigate long-term vulnerability of flood region to deal every year
5	Deepak Kumar	<b>YORE:</b> Bedtime story toy for kids to teach sustainability
6	Garlapati Sushmita	<b>Transpod:</b> Delivery in rural areas
7	Ghodke Prasad	<b>Ecomix:</b> Sustainable Kitchen appliance to reduce waste
8	Indraneel Roy	Next generation Voting machine
9	Kulkarni Shreya Milind	<b>SHAFI:</b> Empowering the Frontline Workers and saving lives at large
10	Mathews Vijai	<b>Fold-It :</b> Develop a sustainable packaging solutions, which encourage and direct end-users to be part of this Circular supply chain system.
11	Naman Bhatia	<b>I-Teach:</b> Sustainability and education
12	Nandana B.M.	<b>Aahar-The food kiosk:</b> Sustainability in food system
13	Navaneeth T.P.	<b>Bi-walk:</b> Bicycle to e bike converter
14	Rajat Sahrawat	<b>Brim:</b> A system of interconnected products for an immersive experience of working with people
15	Rishikesh S.R.	<b>DEBRICYCLER :</b> Demolition waste rescycler
16	Sabyasachi Biswas	<b>Mobi-fidget:</b> anti screen advocation mobile accessory
17	Sankhalika Mukherjee	<b>Sustainability of Attention:</b> dining table device for improving attention span
18	Sathyaswaroop a S	<b>Build your Casa:</b> Sustainability for kids

19	Shreyoni Singharoy	<b>Health Master:</b> Board game based on eating habits
20	Vibhath P.S.	<b>Sustainable work environment:</b> Countering sedentarism in the office
21	Vignesh Raja K.	<b>Mindspace-</b> Mental health awareness is the key for sustainable living
22	Yashika Saxena	<b>DODO:</b> Emotional development of kids

## 8. List of Thesis Topics

S.No.	Roll. Number	Name of the Student	Thesis Topic	Name of Guide(s)
1	ID/335	Fahim Abdul Rahman	<b>roboCONCHE:</b> Improving the Craft Chocolate Industry	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
2	ID/350	Akash Pandit	<b>InflaTrack:</b> Pain relief device for Trek	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
3	ID/351	Ann Mary Antony	<b>Amie:</b> Enhancing the culinary skills of amateurs in cooking.	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
4	ID/352	Arpana Kumari	<b>Miku:</b> For Child protective environment	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
5	ID/354	Deepak Kumar	<b>3 Tails:</b> Teaching kids martial arts	Parag Anand, Aditi Singh, Vipul

				Maheshwari, Dharmesh Jaiswal
6	ID/355	Garlapati Sushmita	<b>Amour:</b> Bridging communication gaps in long distance relationships	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
7	ID/356	Ghodke Prasad	<b>TAPIT:</b> Emotional freedom Therapy machine	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
8	ID/357	Indraneel Roy	<b>Smart Security Gate - RFID enabled:</b> Challenging ticketless travel in Indian Railways	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
9	ID/358	Kulkarni Shreya Milind	<b>QuaranFin:</b> Quarantine system for reducing mortality and morbidity in aquatic collection animals	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
10	ID/359	Mathews Vijai	<b>Kepler:</b> Enhancing training experience for football players	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
11	ID/360	Naman Bhatia	<b>HY-OBIN:</b> Safe Disposal of Sanitary Waste	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
12	ID/361	Nandana B.M.	<b>REZO:</b> The Speech Task Buddy	Parag Anand, Aditi Singh, Vipul

				Maheshwari, Dharmesh Jaiswal
13	ID/362	Navaneeth T.P.	<b>Life capsule:</b> Emergency sea safety device for deep sea fishermen	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
14	ID/363	Rajat Sahrawat	<b>Meditation Pods:</b> Help people form a habit of self-care through meditation	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
15	ID/364	Rishikesh S.R.	<b>Snaver:</b> Harmless Snake Rescue System	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
16	ID/365	Sabyasachi Biswas	<b>Corkly:</b> A material exploration of cork Millingtonia hortensis (Indian Cork tree)	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
17	ID/366	Sankhalika Mukherjee	Incorporating Used Fabrics As Packing Material	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
18	ID/367	Sathyaswaroop S	<b>Buddy:</b> Strengthening relationship between Dog and Dog Parent	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
19	ID/368	Shreyoni Singharoy	<b>OKI-DOCI:</b> System for efficient nursing	Parag Anand, Aditi Singh, Vipul

				Maheshwari, Dharmesh Jaiswal
20	ID/369	Vibhath P.S.	<b>Falken:</b> Inclusivity in gaming	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
21	ID/370	Vignesh Raja K.	<b>Agroassist:</b> An approach to encourage youngsters into agriculture	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal
22	ID/371	Yashika Saxena	<b>VANE:</b> A solution to thermal comfort in the kitchens	Parag Anand, Aditi Singh, Vipul Maheshwari, Dharmesh Jaiswal

## 9. Details of Ph.D. Thesis Topics

NIL

## 10. Details of Research Projects

Name of the Project	Funded/ sponsored by	Name(s) of other Faculty in the Team (if applicable)	Name of the Project Coordinator
Jugnoo – Study light for children.	DIC (SPA)	Aditi Singh and Parag Anand Meshram Shubham Vaidya	Aditi Singh
MycoKit - A Portable diagnostic kit for detection of pulmonary tuberculosis.	DIC (SPA)	Aditi Singh and Parag Anand Meshram Himanshi	Aditi Singh
H2Onest- Watertesting and Filtration systems.	DIC (SPA)	Aditi Singh and Parag Anand	Parag Anand Meshram

		Meshram GEETIKA Garg	
Steam wash+-A product that improves the efficiency of Hand dishwashing.	DIC (SPA)	Aditi Singh and Parag Anand Meshram Radhika Ojha	Parag Anand Meshram

### 11. Details of Consultancy Projects

Name of the Project	Name of the Client	Name(s)of the Faculty	Name of the Team Leader
Conceptualization of“Better Living by Design” Awards.	HSIL Ltd.	Aditi Singh and Parag Anand Meshram	Aditi Singh

### 12. Details of Publications

**Parag Anand**

Nil

**Krity Gera**

Nil

**Aditi Singh**

Nil

**Sushil Ichhaya Vijay**

Nil

### 13. Details of Membership in Committees/ Editorial Boards/ Any other

**Parag Anand**

**National Committees**

- Board IIT Delhi, B.Design.
- Member DU: Design Innovation Centre, Advisory Committee.



## **Aditi Singh**

### **National Committees**

- Member, IIT Delhi, B.Des. Curriculum Evaluation Committee.

### **14. Conferences, Exhibitions, Seminars or Workshops Organized**

Nil

### **15. Papers Presented in Seminars, Workshops, Conferences, etc.**

Nil

### **16. Participation of Faculty Members in Seminars, Workshops, Conferences, Exhibitions, etc.**

Nil

### **17. Membership of Professional Bodies**

#### **Parag Anand Meshram**

Member, ITPI, New Delhi

#### **Aditi Singh**

CA/2004/33218, Council of Architecture,

Fellow: World Technology Network, Institutional Innovation Council

### **18. Any Other Information of Relevance**

#### **Parag Anand Meshram**

Commonwealth Scholarship, Australia.

#### **Aditi Singh**

Commonwealth Scholarship, Australia.

#### **Krity Gera**

Nominated and selected for Hong Kong Association of University Women Scholars

## 2.12 DEPARTMENT OF BUILDING ENGINEERING AND MANAGEMENT

### 1. Academic Programs Offered by the Department

- Master of Building Engineering and Management
- Ph.D. Programme in Building Engineering and Management

### 2. Year of Establishment of the Department: 1979

### 3. Faculty Profile

Name of Faculty	Educational Qualifications	Designation	Areas of Specialization	CoA Reg.No
Prof. Virendra Kumar Paul	B.Arch.; M.B.EM.; Ph.D.	Professor and Head of the Department	Building Science; Project Quality Management; Fire Safety	CA/86/10117
Sushil Kumar Solanki	B. Arch., M.B.EM.,	Associate Professor of BEM	Construction Management, Building Rehabilitation	CA/2009/44753
Chaitali Basu	B.Arch.; M.B.EM.; M.Sc. Business Management (UK); Ph.D.	Assistant Professor	Project Management, Disaster Resilient Project Planning and Reconstruction, Building Performance	CA/2006/37627
Salman Khursheed	B.Tech.; M.Tech.	Assistant Professor	Construction Management, Structural Engineering	
Abhijit Rastogi	B.Arch.; M.B.EM.	Assistant Professor	Construction Management, Sustainable Architecture Design	CA/2013/58906
Luke Judson	B.Arch.; M.B.EM.	Assistant Professor (on contract)	Building Engineering and Management	CA/2010/48408

#### 4. Details of teaching work under taken in the Department

Name of the Faculty	Semester	Subjects (Theory and Studio)	Hrs/Week
Prof.(Dr.) Virendra Kumar Paul	I	Project Planning and Scheduling (BEM-1.5)	2
	II	Project Seminar (BEM-2.4)	2
		Fire and Life Safety (BEM-2.7)	2
	III	Quality Management System (BEM-3.9)	2
		Human Resource Management (BEM-3.5)	1
		Disaster Resilient Project Planning and Reconstruction (BEM-3.8)	1
	IV	Thesis (BEM-4.1)	6
		Quality Management System (BEM-4.2)	1
Mr. Sushil Kumar Solanki	I	Project Planning and Scheduling (BEM-1.5)	2
		Building Service (1.02)	2
		Construction Technology (BEM1.01)	4
	II	Project Seminar (BEM-2.4)	4
		Project Cost and Contract Management (BEM-2.3)	2
		Project Cost and Contract Management (BEM-2.4)	4
	III	Project Procurement Management (BEM-3.1)	1
		Project Procurement Management (BEM-3.2)	4
		Disaster Resilient Project Planning and Reconstruction (BEM-3.8)	2
		Project Seminar-II (BEM-3.4)	4
	IV	Thesis (BEM-4.1)	6
	Mr. Salman Khursheed	I	Construction Technology (BEM-1.1)
Project Planning and scheduling (BEM-1.4)			1
II		Structural Systems and Design Process (BEM-2.1)	4
		Project Cost and Contract Management (BEM-2.3)	1
		Project Cost and Contract Management (BEM-2.4)	2
III		Project Procurement Management (BEM-3.1)	1
		Project Procurement Management (BEM-3.2)	6
		Project Seminar-II (BEM-3.4)	4
IV		Thesis (BEM-4.1)	9
Mr. Abhijit Rastogi	I	Project Planning and Scheduling (BEM-1.4)	1
		Project Planning and Scheduling (BEM-1.5)	6

		Construction Technology (BEM-1.1)	2
		Functional Performance of Buildings (BEM 1.2)	2
		Research Methodology (BEM 1.7)	1
	II	Infrastructure Development and Management (BEM-2.5)	2
		Project Cost and Contract Management (BEM-2.3)	2
	III	Project Seminar-II (BEM-3.4)	4
	IV	Thesis (BEM-4.1)	12
Mr. Luke Judson (Contract Faculty)	I	Project Planning and Scheduling (BEM-1.5)	4
		Functional Performance of Buildings (BEM 1.2)	3
		Construction Technology (BEM-1.1)	2
	II	Project Cost and Contract Management (BEM-2.2)	1
		Project Seminar (BEM-2.4)	4
	III	Project Seminar-II (BEM-3.4)	2
		Project Procurement Management (BEM-3.2)	4
		Real Estate Management (BEM-3.7)	1
	IV	Thesis (BEM-4.1)	9

## 5. Details of Teaching Work Undertaken in Departments

Semester	Subjects (Theory and Studio)	Hrs./ Week
I	Infrastructure Project Management	2
III	Quality Management System	2

## 6. Details of Teaching Work Undertaken by Visiting Faculty

Name of Faculty	Semester	Subject (Theory and Studio)	Hrs/ Week
Mr. Avinash Kumar Tandon	IV	Thesis	06
Mr. Pawan Kumar Taneja	I	Quantitative Methods and Operations Research	02
Mr. Kapil Mehrotra	I	Building Services	02

Mr. Manoj Kumar Mittal	I	Construction Technology	02
	I	Project Planning and Scheduling	04
	II	Structural System & Design Process	02
	II	Project Cost and Contract Management (S)	04
Mr. Kuldeep Kumar	II	Project Cost and Contract Management (S)	06
	II	Project Seminar – I	02
	II	Structural System & Design Process (S)	04
Ms. Sumedha Dua	II	Project Cost and Contract Management (S)	06
	II	Project Seminar - I	02
	II	Structural System & Design Process (S)	04
Ms. Sakshi Jain	II	Project Seminar - I	04
Mr. VarunSetth	IV	Thesis	06
Maj. Gen. T.S. Sidana(Retd.) (Visiting Professor)	II	Project Seminar - I	04
	III	Project Procurement Management	01
	III	Project Procurement Management (S)	06
	III	Project Seminar - II	04
	III	Real Estate Management	01
	IV	Thesis	05
	IV	Quality Management System	02

## 7. Details of the Studio Work Undertaken by Students

Semester	Title of the Studio Assignment and Brief Description
I	<p><b>Project Planning and Scheduling</b></p> <ul style="list-style-type: none"> <li>• Project Appraisal</li> <li>• Developing Construction Logic</li> <li>• Developing Work Breakdown Structure and Activity Sequencing</li> <li>• Calculation of Productivity Data and Duration</li> <li>• Project Quantity Estimation</li> <li>• Project Resource Estimation</li> <li>• Resource Based MSP Project Schedule</li> <li>• Resource Levelling</li> <li>• Time Bound Exercise: Application of Time Management Concepts</li> </ul>
I	<p><b>Construction Technology</b></p> <ul style="list-style-type: none"> <li>• Review and group submissions of assessment of Soil reports of</li> </ul>

	<p>respective case studies.</p> <ul style="list-style-type: none"> <li>• Review and group submissions of assessment of Foundation systems of respective case studies.</li> <li>• Review and group submissions of assessment of Soil stabilization techniques of respective case studies.</li> <li>• Review and group submissions of assessment of various Construction chemicals used in buildings of respective case studies.</li> <li>• Review and group submissions of assessment of Concrete Mix Design adopted in respective case studies and individual submission of Design of Concrete Mix using S codes.</li> <li>• Review and group submissions of assessment of various Construction chemicals used in buildings of respective case studies. Selection Criteria of Construction Equipment's</li> </ul>
I	<p><b>Functional Performance of Buildings</b></p> <ul style="list-style-type: none"> <li>• Analysis of Annual Climatic Data for Architectural Design</li> <li>• Shading Analysis of Building Envelope and Fenestration</li> <li>• Calculation of Intensity of Solar Radiation achieving Green Building Rating System for Projects</li> </ul>
II	<p><b>Project Cost and Contract Management</b></p> <ul style="list-style-type: none"> <li>• Plinth Area Estimation</li> <li>• Detailed Estimates</li> <li>• Analysis of Rates</li> <li>• Resource Estimation and Cost Determination</li> <li>• Cost Benefit Analysis</li> <li>• Specification of Item of Works</li> <li>• Comparative Analysis of Different Types of Contracts</li> <li>• Value Engineering</li> <li>• Alternate Dispute Resolution</li> </ul>
II	<p><b>Structural Systems and Design Process</b></p> <ul style="list-style-type: none"> <li>• Introduction and individual exercises on gravity loads on structural members of a building using various IScodes.</li> <li>• An introduction and individual exercises on Seismic loads on structural members of a building using various I Scodes.</li> <li>• An introduction and individual exercises on Wind loads on structural members of a building using various IScodes.</li> <li>• An introduction and group exercises on Snow loads on structural members of a building using various IScodes.</li> <li>• Review and group submissions of assessment of floor systems adopted in respective case studies.</li> <li>• Review and group submissions of assessment of structural</li> </ul>

	<p>systems adopted in different all buildings.</p> <ul style="list-style-type: none"> <li>• Introduction and hand on individual simulation exercises using structural design software's on different buildings.</li> </ul>
III	<p><b>Project Procurement Management</b></p> <ul style="list-style-type: none"> <li>• Preparation of NIT's and Bidding Documents of different Contract Forms for Building Projects</li> <li>• Preparation of BOQ and Specifications for Civil, Services and External Development works</li> <li>• Preparation of RFP/ RFQ documents for different Contract/ Delivery Systems</li> <li>• Evaluation of tender documents</li> <li>• Comparative study and preparation of RFP/ RFQ documents for different procurement of equipment, plants, and professional consulting services.</li> </ul>

## 8. List of Thesis Topics

S.No.	Name of the Student	Thesis Topic	Name of Guide
1	Abhijit Roy	Assessment of changes in labour management system: the post pandemic scenario	Mr. Avinash Kumar Tandon
2	Abhinav Saini	Model for assessment of contractor performance in construction project	Mr. Salman Khursheed
3	Adithya Thilakan	Compassion of evacuation times for different types of vertical evacuation means	Prof.Dr. Virendra Kumar Paul
4	Anubha Singhal	Life cycle Sustainability Analysis framework for a building	Mr. Luke Judson
5	Apoorv Agrawal	Cost and time effects of design changes in high rise building construction	Mr. Varun Seth
6	Arpit Singh	Structural Performance of Building made with PVC Stay-in-Place Wall Formwork System in Low Cost Housing	Mr. Avinash Kumar Tandon
7	Barkha Kukreja	Disruption (loss of productivity) claims analysis methodologies in construction projects	Mr. Luke Judson
8	Chintan Vyas	Multi-mode resource constrained project scheduling on construction project	Maj. Gen. T.S. Sidana
9	Devanshi	Framework of fire risk mapping for heritage	Prof. Dr.

	Gaur	building in India	Virendra Kumar Paul
10	Esha Kapoor	Cost allocation decisions on value attributes in residential township projects	Maj.Gen. T.S. Sidana
11	Gangully Ashray Biswajit kumar Sumita	Fire and life safety critical appraisal of fire audit tools and developing a comprehensive fire audit tool	Mr. Luke Judson
12	Gunjan Jain	Integrated project delivery method in Indian construction industry	Maj.Gen. T.S. Sidana
13	Kshitij Kacker	Impact of green building on productivity of offices	Mr. Abhijit Rastogi
14	Meshram Rika Pramod Sharda	Impact of Government Policies on Residential Real Estate Case example of Thane	Mr. Abhijit Rastogi
15	Mrityunjay Mandal	An exploration of prefabricated bamboo wall panel in low-cost affordable housing	Mr. Varun Seth
16	Nayan Jain	Analysing methodology for cost estimates during initiation stage using historical data	Maj.Gen. T.S. Sidana
17	Paresh Agarwal	-	Mr. Varun Seth
18	Pawan Prakash	Cost benefit ratio of green rating incentives for group housing in NCR, India	Mr. Avinash Kumar Tandon
19	Phalguni Singh	Techno-managerial challenges in repair and rehabilitation of tall RCC building structure	Mr. Salman Khursheed
20	Raymon Prakash	Analysis of key performance indicators of Delhi metro	Mr. Salman Khursheed
21	Richa Chouksey	Application of TOPSIS method for alternate construction technology selection for efficient performance of sustainable and affordable housing	Mr. Luke Judson
22	Rishabh Rastogi	Environmental impact and cost analysis of retrofitting measures in buildings	Mr.Sushil Kumar Solanki
23	Ruchita Dasgupta	Post pandemic impact on planning of district hospitals in India	Mr.Sushil Kumar Solanki
24	Saloni Aggarwal	Impact of project complexity on the success of hospital projects in India	Mr. Varun Seth
24	Sandeep	Cost-benefit analysis of using building	Maj.Gen.



	Singh	information modeling in AEC firms in India	T.S.Sidana
25	Shalini Sengupta	Impact of occupancy related risk factors on travel distances and egress design	Prof. Dr. Virendra Kumar Paul
26	Sharukh Saifi	Analysis of critical delay factors causing cost overrun in private projects and their cost minimization strategies	Mr. Abhijit Rastogi
27	Shiney Elizabeth Abraham	Location planning strategy of e-retail warehouses in India	Maj.Gen. T.S.Sidana
28	Souvik Das	Selection of risk response strategies for construction projects	Mr. Varun Seth
29	Thoufeer Muhammed N	Comprehensive quality aspects of affordable housing construction in India	Mr. Abhijit Rastogi
30	Vaneet Kaundal	-	Mr. Avinash Kumar Tandon
31	Venugopal Aditya	Assessment of factors affecting productivity of human resource in construction	Mr. Sushil Kumar Solanki
32	Vipul Jain	Contract management for restoration of heritage buildings	Mr. Salman Khursheed

## 9. Details of Ph.D. Thesis Topics

S.No.	Year of Enrolment	Name of the Student	Thesis Topic	Name of the Guide
1	2018-19	Mr. Abhijit Rastogi	Challenges in Fly Ash utilization and Development of proposal for promotional initiatives	Prof. Dr. Virendra Kumar Paul
2	2018-19	Maj. Gen. T.S. Sidana (Retd.)	Develop a Value Index for Quality of life (QOL) Parameters of Residential Built Environment	Prof. Dr. Virendra Kumar Paul
3	2018-19	Ms. Arshia Khajooria	Design of Building Elements for Energy Efficiency: Case Study of Jammu City.	Prof. Dr. Virendra Kumar Paul

4	2018-19	Ms. Aparna Ash Kanojia	Development of Assessment for Wellbeing Indicator of Indian Cities	Prof. Dr. Virendra Kumar Paul
5	2019-20	Mr. Luke Judson	Study of Monitoring and Control Management of Construction Projects; Contractors cash flow Management for Project Success	Prof. Dr. Virendra Kumar Paul
6	2020-21	Mr. Kuldeep Kumar	Fire and Life Safety Risk Analysis and Reliability Assessment	Prof. Dr. Virendra Kumar Paul
7	2021-22	Mr. Sushil Kumar Solanki	Techno-Managerial Assessment Framework for Building Rehabilitation	Prof. Dr. Virendra Kumar Paul

#### 10. Details of Research Projects

Name of Project	Funded/ sponsored by	Name(s) of ot her Faculty in the Team (if applicable)	Name of Project Coordinator
United Kingdom-India Education Research Initiative (UKIERI), 2019.	UGC	P.S.N. Rao Virendra Kumar Paul Chaitali Basu Abhijit Rastogi	P.S.N.Rao

#### 11. Details of Consultancy Projects

Name of Project	Name of Client	Name (s) of the Faculty	Name of The Team Leader
Structural Retrofitting and Architectural Designing Of Existing Indian Medical Association (IMA) Building at ITO, NewDelhi.	Indian Medical Association	Virendra Kumar Paul Salman Khursheed Abhijit Rastogi	Virendra Kumar Paul

Examination of Cost Estimates for Construction and Development of REC Township at Sector 57, Gurugram.	RECL Limited	Virendra Kumar Paul Salman Khursheed Abhijit Rastogi	Virendra Kumar Paul
Safety and Structural Audit of National Institute of Tuberculosis and Respiratory Diseases.	National Institute of Tuberculosis and Respiratory Diseases	Virendra Kumar Paul Salman Khursheed	Virendra Kumar Paul

## 12. Details of Publications

1. Paul V. K; Sengupta Shalini; (2021). Assessment of Safe Egress Time Calculations For Performance-Based Fire and Life Safety Designs, International Journal for Creative Research Thoughts, (pg.3846-3855) Rastogi, A, Paul, VK, (2020). A Critical Review of the Potential for Fly Ash Utilization in Construction-Specific Applications in India. Journal of Environmental Research Engineering and Management (Online ISSN 2029-2139).
2. Dua, S., Basu C., Paul V.K., Rastogi A., Rao P.S.N. (2020), Economics of Disaster Resilient Community Housing: Case of Cyclones in India, 14th International Conference on Sustainable Development, Ottawa, Canada, ISSN 1923-6654 (print) 1923-6662(online).
3. Varma, K, Basu, C, Paul, VK, Rastogi, A (2020). Retrofitting the Existing Requirements for an Institutional Building – Framework for Enhancing Functionality. International Journal of Science & Engineering Development Research (ISSN 2455-2631). Vol 5 Issue 3, pp no. 362-368.
4. Malhotra, G, Rastogi, A, Paul, VK (2020). Impact of Metro Rail Transit System on Residential Properties. International Journal of Creative Research Thoughts (ISSN 2320-2882). Vol 8, Issue 5, pp no. 1534-1540.
5. Lu, K, Rastogi, A, Paul, VK (2020). Financial Assessment of Different Types of Walling Solutions in Multistoried Residential Buildings. International Journal of Creative Research Thoughts (ISSN 2320-2882). Vol 8, Issue 6, pp no. 2572-2582.
6. Saif, SK, Rastogi, A, Paul, VK (2020). Debt Restructuring of Distressed Indian Construction Projects. International Journal of Creative Research Thoughts (ISSN 2320-2882). Vol 8, Issue 6, pp no. 2802-2810.

7. Ansari, M. J., & Rastogi, A. (2020). Development of Job Roles for Construction Workers working with Fly Ash Products. *International Journal of Sustainable Building Technology*, 3(1), 14-28.
8. Rao, PSN, Paul, V.K., Basu, C., Rastogi, A., Kashyap, A. (2020). Interface between Critical Infrastructure and Extreme Weather Events. *Shashwat*, 6(7), 139-142, ISSN 2581-9291.

### **13. Details of Membership in Committees/ Editorial Boards/ Any other**

#### **Prof. (Dr.) Virendra Kumar Paul**

##### **National Committees**

- Jury, Master Planning, Sri Ram Janam Bhoomi, Ayodhya.
- Member, Project Review Committee Software Technology Parks India (STPI).
- Member, Revised Cost Committee, MHRD for NITs, CUs, IIMs, IISERs.
- Member, Guidelines for Fire Safety in Healthcare Facilities in India, Min. of Health and Family Welfare, Gol.
- Member, Consultancy Evaluation Committee for AIIMS (Bibinagar, Rajkot).
- Member, Master Plan Committee, AIIMS Jodhpur.
- Panel Member, Indian Standard Guidelines for Construction Project Management, IS 15883

##### **Editorial Boards**

- Member, Editorial Advisory Board, Construction Innovation and Management, an Emerald Publication International Journal.
- Editor, SPACE Journal of School of Planning and Architecture.

#### **Sushil Kumar Solanki**

##### **Editorial Boards**

- Reviewer, Journal of Institute of Engineers (Series A).
- Reviewer, Architectural Engineering and Design Management.

#### **Salman Khursheed**

##### **National Committees**

- Member, Committee for guiding public and professionals regarding action plan for making buildings in Delhi seismically compliant, Directorate of Local Bodies, Department of Urban Development, Government of NCT of Delhi.

### **Editorial Boards**

- Reviewer, KSCE Journal Of Civil Engineering (ISSN:1226-7988).
- Reviewer, ASCE India Conference 2020 on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies”.

### **Abhijit Rastogi**

#### **National Committees**

- Member, Preparation of DPR of Central University of Gujarat.
- Member, Revised Cost Estimate Committee MHRD for IIMs, NITs.

## **14. Papers presented in Seminars, Workshops, Conferences, etc.**

### **Prof. (Dr.) Virendra Kumar Paul**

1. Attended National Workshop on Fire in Healthcare Facilities: Risks, Challenges and Mitigation, on 26.09.2020.

### **Mr. Sushil Kumar Solanki**

1. Participated as keynote speaker in Faculty Development Programme on "Opportunities & Challenges in Sustainable Construction Practices" at IIT-Varanasi, on 05.02.2021.
2. Participated as keynote speaker in Faculty Development Programme on "Digital Transformation in Architectural Engineering and Construction" at IIT-Pallakad, on 22.07.2021.

### **Salman Khursheed**

1. Participated in One week long National Faculty Development Program on "Induction Training for Young Faculty Members", held at Mohd Ali Johar University, Rampur, on 08.08.2020.

## **15. Membership of Professional Bodies**

### **Virendra Kumar Paul**

Fellow Institution of Engineers;  
Fellow Royal Institute Chartered Surveyors;  
Hon. Fellow Institution of Fire Eng (India)  
Fellow, Institute of Hospital Engineering;  
Chartered Engineer.

**Sushil Kumar Solanki**

Associate Member IIA,  
Indian Association of BIM

**Chaitali Basu**

Member APM, The Chartered Body For Project Profession.

**Salman Khursheed**

Member, Indian Association of Structural Engineers;  
Associate Institute of Valuers.

**Abhijit Rastogi**

Member Institution of Engineers;  
Chartered Engineer;  
Associate, IIA









### **3. RESEARCH AND CONSULTANCY ACTIVITIES**



## 3.1 RESEARCH PROJECTS

### 1. Research Activities of the School

Apart from imparting professional education in various fields related to built environment, the School has also been pursuing research sponsored by government organisations throughout India. All the academic departments are working on one or many research and consultancy projects pertaining to their domain of architecture, planning and allied sectors. In the School, there is a pronounced emphasis on organised research, both sponsored and non-sponsored, in all the Departments of Studies and Centres of Research. Research activity in the School is also carried out through full-time Ph.D. scholars registered for Doctoral Programmes on their own; sponsored Research Projects undertaken by Centres of Research; international research projects supported by the School and collaborative research endeavours.

An Overseas Research and Development Centre has been established by the School to extend facilities to developing countries in Africa and the SAARC nations. To promote research, extension, documentation and dissemination in respective fields, Centres of Research and Advanced Studies has been setup by the School for advanced studies at departmental level. Some of the Current research projects are UGC-UKIERI Research Project on Decision Support Framework for Resilient Critical Infrastructure against Extreme Weather Events and Climate Change, Evaluation of the Housing Technology, EPS Core Panel System with Wire Mesh & Chipping Concrete w.r.t. Green & Sustainability Parameters ||- Demonstration Housing Project at Bhubaneswar, Study of Built Environment and Design Guidelines for Redevelopment Areas for Bharmour, Kalpa and Sangla Villages, Himachal Pradesh, Indo-German Smart Initiative (IGSI): Integrated Urban Development and Co-Production for Indian Cities under Shaping the Future-Building the City of Tomorrow of the BMBF, Model Land Use Regulations, Service Level Benchmarks and Enforcement Mechanisms for Integrated Cluster Action Plans, Online Course (MOOCs) on SWAYAM portal by UGC, MHRD – Government of India, International Collaborative Research Project on Community led Disaster risk reduction plan of Mumbai Megacity, Megaprojects and Reshaping of Urban Futures: Governance and Equity in the Delhi-Mumbai Industrial Corridor, From Laboratory to Conservation Site: Research on performance on improved traditional materials and techniques, and development of a technical database to support conservation and adaptive reuse of historic residential buildings in Shahjahanabad, Delhi', Coping with Climate: Assessing Policies for Climate Change Adoption and Transport Sector Mitigation in Indian Cities (CLIMATRANS). Transport Infrastructure Designs for Universal Accessibility for Visually Challenged.

Apart from this, the school has also been working on innovative products and processes under the National Initiative for Design Innovation funded by Ministry of Human Resource Development.

### Details of Research Projects 2020-21

S. No.	Name of the Project Coordinator	Name of the Department	Title of the Project and Sponsoring Agency
1	Prof.Dr. Ashok Kumar, Prof.Dr. P.S.N. Rao, Prof.Dr. R. Biswas	Physical Planning	Water Security and Sanitation Challenges under the Global Challenges Research Fund (GCRF) of UKRI
2	Prof.Dr. Ashok Kumar	Physical Planning	Impact of covid-19 (under Water Security and Sanitation Challenges Research Fund (GCRF) of UKRI
3	Prof.Dr. Meenakshi Dhote	Environmental Planning	Environmental Information System Centre for Human Settlement (ENVIS)
4	Prof.Dr. Sanjukta Bhaduri	Urban Planning	Design Innovation Centre (DIC), Ministry of Human Resource Development, Government of India
5	Prof.Dr. Sanjukta Bhaduri	Urban Planning	Capacity Building in the form of Online Course (MOOCs) on SWAYAM Portal by UGC, MHRD-Government of India
6	Prof.Dr.P.S.N. Rao Prof.Dr. V.K. Paul Dr.Chaitali Basu Abhijeet Rastogi	Building Engineering and Management	UGC-UKIERI-Project- Decision Support Framework for Resilient Critical Infrastructure against Extreme Weather Events and Climate Changes
7	Prof.Dr. Sanjay Gupta	Transport Planning	Coping with Climate: Policies for Climate Change Adoption and Transport Sector Mitigation in Indian Cities (CLIMATRANS)

## 3.2 DESIGN INNOVATION CENTER

Design Innovation Centre (DIC) has been established in government educational institutions under National Initiative for Design Innovation (NIDI) Scheme as a flagship programme by MHRD (as per Twelfth Plan) under a Hub and Spoke model with the lead institution acting as the mentor while synergising and leveraging the potential of the institutes. DIC is a platform for product or process innovations for students, faculty and citizens to give ideas that can be developed as products/ processes. The main aim of DIC is also to act as an enabling centre/incubation Centre for start-ups. Presently, there are 92 institutions that are involved in design and innovation; 20 institutions are Design Innovation Centres (DIC) Hubs and 70 institutions are Spokes. The DIC hubs include SPA-New Delhi, 10 IIT's and 9 Central Government Universities. Apart from that there is 1 Open Design School (ODS) and 1 National Design Innovation Network (NDIN) linking the institutions.

The purpose of setting up DIC Centres is to:

- Promote and enhance interdisciplinary design-focused innovation and creativity problem solving through design-based education and projects in the complete value chain from process to product.
- Promote knowledge sharing and collaboration amongst industry, academia, Government Institutions, research laboratories, etc. for entrepreneurship and marketing of products.
- To promote increased interaction/ collaboration with institutes/ organizations worldwide and to build a flagship programme in the areas of design and innovation.

SPA, New Delhi, as the Hub Institution has 3 Spokes; SPA Bhopal, SPA Vijayawada and Ambedkar University Delhi. Teams of students and mentors under DIC-HUB at SPA-New Delhi have worked and developed products and prototypes, toolkits, websites and mobile applications, covering a diverse spectrum in the field of architecture, planning and design.

The various typologies of DIC projects are based on Product, Process and Design innovations as mentioned below:

- The Product Innovation includes Shading Device, Mycokit, Water purifier, Hand dish wash system, and Transit Affordable and sustainable construction system.
- The Process Innovation includes Urban STeP, App for urban street vendors, Web based tool for plan modification, Nigrani portal, wE-Conserve, App for city biodiversity index, Life fire safety app, and Approach for valuation of land.
- The Design Innovation includes Design of traffic signals for visually impaired, Design solutions for low income settlements, Climate responsive building form, Eco-smart Infrastructure, Video game as a tool to supplement planning studies and Wi-Fi based transceiver system.

SPA has provided an atmosphere of Design Thinking and Innovation under which 129 ideas have been received and 44 ideas got selected for projects. DIC is enriched with various equipment facilities including High-end Computer System for CASS Planning), Gagan Enabled Precision (GPS Handheld Device SXtreo 151C), CNC router, CNC (Laser Cutter), 3-D Printer, Temperature Humidity Loggers etc.

Total 13 elective courses have been started in various departments under which total 500 students are getting trained. More than 24 workshops/ exhibition have been organised, 2 at national level, 2 at state level and others at institutional level. DIC has total 6 publications till now which includes DIC brochure, AIDIC Proceedings, and various project based booklets.

DIC, SPA Delhi has collaborated with IIT Delhi and University of Delhi for an interdisciplinary student's engagement mega event named as Delhi Design Innovation Boot Camp. The boot camp was very unique where students worked towards solutions to an unmet need, in diverse and inter-disciplinary teams.

## **ACTIVITIES OF DESIGN INNOVATION CENTRE DURING 2020 -21**

### **“Toy Hackathon, 2021:**

The design competition (for students) in innovation for Toy Industry organized by Design Innovation Centre, SPA, New Delhi for novel and imaginative ideas for innovation in Toy-industry was floated in **1st January, 2021** with the submission day of 15th January, 2021. The idea, design and innovation of toys focused on – Indian art, Culture, folklore, history and etc. It was the opportunity to support the indigenous Toy-industry in India by design, innovation and manufacturing as a part of

Government of India's initiatives for **Make-in-India** and **Atma Nirbhar Bharat** jointly organized by the Innovation Cell, Ministry of Education with support of AICTE, Ministry of Education, Ministry of Women and Child Development, Ministry of Textiles, Ministry of MSME, Ministry of Commerce and Industry, Ministry of Information and Broadcasting. The competition date was open for students of SPA Delhi (Hub) and the Spoke institutes i.e, SPA Bhopal, SPA Vijayawada and Ambedkar University Delhi. Two winners have been given award.

**Framing of SPA-New Delhi's IPR Policy:**

Formation of IP Cell as per SPA-New Delhi's IPR policy (approved by the Board of Governors at its 09<sup>th</sup> meeting held on 14/09/2020) with the purpose to nurture, recognize and realize the immense potential held by the academic, research and collaborative activities of SPA New Delhi personnel; students, faculty and others.

The objectives are:

- a) To foster, stimulate and encourage creative activities in the widest sense in the field of human habitat, built environment, design, planning and its related disciplines.
- b) To protect the legitimate interests of faculty, staff, scholars and students of School of Planning and Architecture, New Delhi and to avoid as far as possible conflict of opposing interests.
- c) To lay down a transparent administrative system for the creation, assignment of ownership and control of intellectual properties of School of Planning and Architecture, New Delhi.
- d) To lay out a system of sharing of revenues generated by intellectual properties of School of Planning and Architecture, New Delhi.

**Formation of Section 8 Company:**

DIC at SPA-New Delhi has formed a Section 8 Company (Non-Profit Organization) **[SPA FOUNDATION FOR INNOVATION AND RESEARCH FOR SOCIAL TRANSFORMATION (SPA FIRST)]** dated **16<sup>th</sup> May, 2021** with the purpose of **facilitating** various Startups, marketing and industry collaborations through the "SPA-D – Innovation and Startup Policy" as per AICTE Mandate.

**Framing of SPA-D – Innovation and Startup Policy (Yet to be approved by Board of Governors):**

SPA-D Innovation and Start-up Policy would focus on guiding in implementation of 'Start-up Action Plan' of Government of India. The Policy would enable to inculcate an innovation and entrepreneurial culture at SPA-New Delhi i.e., to facilitate active engagement of students, faculties and staff in innovation and entrepreneurship related activities. This framework would also facilitate uniformity within the institution in terms of Intellectual Property ownership management, technology licensing and School Start-up policy, thus enabling creation of a robust innovation and Start-up ecosystem within the institution.

The objectives are,

- a) To contribute to the development of human settlements in the nation through research and innovations in the fields of Architecture, Design, Planning and Management for social transformation with social, economic and environmental benefits.
- b) To create, incubate, nurture/ mentor and support innovation and knowledge-based innovative ventures/start-ups & entrepreneurship by addressing current and future challenges of the society.
- c) To foster academia-industry / government / community collaboration by developing / co- developing knowledge based innovative ventures by leveraging core-competence of school and nurturing start-ups and entrepreneurship opportunities for student and faculties so as to develop / co-develop successful ventures with business continuity plans and/or knowledge transfer.
- d) To develop entrepreneurial agenda and manage Intellectual Property Rights (IPR) ownership, technology licensing and equity sharing in Startups or enterprises established by faculty and students.
- e) To promote capacity building in the field of Design Thinking/ Innovation/ Idea generation (Pre incubation stage), and Entrepreneurship including product viability and marketing.



### Activities of the Design Innovation Center

<b>S. No.</b>	<b>Name of the Project Coordinator</b>	<b>Name of the Department</b>	<b>Title of the Project and Sponsoring Agency</b>
1	Shweta Manchanda Project Lead, DIC Associate Professor of Architecture  Mekhla Parihar Project Lead, DIC Assistant Professor of Architecture	Architecture	Shading Devices: System Design and Product Laboratory (Sponsored by Ministry of HRD).
2	Parul Kiri Roy Project Lead, DIC Assistant Professor of Architecture  Shuvojit Sarkar Project Lead, DIC Associate Professor of Architecture  Anjali Mittal Project Lead, DIC Assistant Professor of Architecture	Architecture	T.A.S.C.S.: Transient, Affordable and Sustainable Construction Systems (Sponsored by Ministry of HRD).
3	Shuvojit Sarkar Project Lead, DIC Assistant Professor of Architecture	Architecture	Transceiver based alert system: Communication or educe road accident in mountainous region (Sponsored by Ministry of HRD).
4	Poonam Prakash Project Lead, DIC HOD and Professor of Physical Planning  Ashok Kumar Co-Project Lead, DIC, Professor of Physical Planning	Physical Planning	Toolkit for Plan Modification: Development of Web-based Application on Plan Modification related to Land Use (Sponsored by Ministry of HRD).

5	Poonam Prakash Project Lead, DIC HOD and Professor of Physical Planning	Physical Planning	Learning through Gaming: Video game as a tool to supplement planning Studies (Sponsored by Ministry of HRD).
6	Ashok Kumar Project Lead, DIC, Professor of Physical Planning  Vinita Yadav Co-Project Lead, DIC, HOD & Professor of Regional Planning  Rabidyuti Biswas Co-Project Lead, DIC HOD, CASS, Professor of Physical Planning	Regional Planning	Dashboard: A web based platform for linking the development projects in district for efficient delivery of services (Sponsored by Ministry of HRD).
7	Anuradha Chaturvedi Project Lead, DIC HOD and Associate Professor of Architectural Conservation	Architectural Conservation	wEConserve: An innovative initiative for Smarter Shahjahanabad, (Sponsored by Ministry of HRD).
8	Arunava Dasgupta Associate Professor of Urban Design	Urban Design	Addressing Urban Realities–Eco-Smart Social Infrastructure for Less Catered Communities, (Sponsored by Ministry of HRD).
9	Arunava Dasgupta Project Lead, DIC Associate Professor of UrbanDesign	Urban Design	Urban Form and Climate Change: Tool kit for climate as a determinant for Urban form (Sponsored by Ministry of HRD).
10	Arunava Dasgupta Project Lead, DIC Associate Professor of UrbanDesign  Aditi Singh Co-Project Lead, DIC, Assistant Professor of Industrial Design	Urban Design & Industrial Design	V.O.W: Decentralized waste management System (Sponsored by Ministry of HRD).

11	Sanjukta Bhaduri DIC Coordinator, Dean (Research), SPA Delhi Professor of Urban Planning	Urban Planning	Urban STeP: Smart Tool kit fore- Participation (Sponsored by Ministry of HRD).
12	Sanjukta Bhaduri DIC Coordinator, Professor of Urban Planning	Urban Planning	SVAPN: Street Vendors Application (Sponsored by Ministry of HRD).
13	Sanjukta Bhaduri DIC Coordinator, Professor of Urban Planning	Urban Planning	Land Valuation: An approach for valuation of land and property of displaced people (Sponsored by Ministry of HRD).
14	Ruchita Gupta Project Lead, DIC Associate Professor of Housing  P.S.N. Rao Co-Project Lead, DIC Professor of Housing  Harshita Deo Co-Project Lead, DIC Assistant Professor of Housing	Housing	Design Solutions for low income settlements: Designing housing prototypes for varying plot sizes in unauthorized colonies of Delhi (Sponsored by Ministry of HRD).
15	Sewa Ram Project Lead, DIC Professor of Transport Planning	Transport Planning	Design of Signalized Intersection for Visually impaired: Guidance, assistance, accessibility, Electronic devices, geometry, Compatibility, vulnerability, intersection, ITS (Sponsored by Ministry of HRD).
16	Meenakshi Dhote Project Lead, DIC, HOD and Professor of Environmental Planning	Environmental Planning	Application for conservation and management of Urban Biodiversity: Tool-kit for biodiversity management in urban areas (Sponsored by Ministry of HRD).
17	Parag Anand Meshram, Project Lead, DIC Associate Professor of	Industrial Design	Jugnoo: Do-It-Yourself Solar Study Lamp for rural children (Sponsored by Ministry of HRD).

	Industrial Design  Aditi Singh Co-Project Lead, DIC, Assistant Professor of Industrial Design		
18	Parag Anand Meshram, Project Lead, Associate Professor of Industrial Design  Aditi Singh Co-Project Lead, DIC, Assistant Professor of Industrial Design	Industrial Design	MycoKIT: A portable Diagnostic kit for detection of Pulmonary Tuberculosis in low resource areas.(Sponsored by Ministry of HRD).
19	Parag Anand Meshram, Project Lead, DIC and Associate Professor of Industrial Design  Aditi Singh Co-Project Lead, DIC, Assistant Professor of Industrial Design	Industrial Design	H2Onest: Smart water testing and purification system (Sponsored by Ministry of HRD).
20	Parag Anand Meshram, Project Lead, DIC, Associate Professor of Industrial Design  Aditi Singh Co-Project Lead, DIC, Assistant Professor of Industrial Design	Industrial Design	In-Sink: Hand Dish washing + (Sponsored by Ministry of HRD).
21	Virendra Kumar Paul Professor of Building and Engineering and Management	Building Engg. Management	B-Fire: Building Fire Risk Evaluation (Sponsored by Ministry of HRD).

### 3.3 CONSULTANCY PROJECTS

Besides teaching and research activities, the School also undertakes institutional consultancy assignments in architecture, planning, design and management for different clients in the government and private sector. Over the years SPA has developed vast and diverse expertise in varied areas of architecture, planning, design and management.

Some of the clients in the public sector, for which consultancy assignments have been carried by the school in the recent past include Delhi Development Authority, Delhi Transco Ltd., Ministry of Environment and Forest (GOI), Ministry of External Affairs (GOI), Numaligarh Refinery Ltd., NCAER, Bhutan Govt., Lakshadweep Administration, Delhi University, NOIDA Authority, Ministry of Textiles (GOI), Himachal Pradesh Govt., Ministry of Panchayati Raj (GOI), CPWD, PWD, Ministry of HRD (GOI), Ministry of Agriculture (GOI), NCERT, MCD, Delhi Cantonment Board, Archaeological Survey of India and some of the clients in the government sector are Competition Commission of India, Badi Barotiwala Nalagarh Development Authority, ITPO, IIT, Kanpur, Kavikulaguru Kalidas Sanskrit University, Indian Medical College NHPC, NCRTC, Delhi Cantt., Rural Electrification Corp, Delhi Pollution Control Committee etc. The clients in the private sector include religious trust i.e. Shri Mata Vaishno Devi Shrine Board and residential colonies.

The nature and extent of the consultancy projects undertaken by the Institute is an index of its credibility with its clients and is symbolic of the institute's excellence in the context of nation's socio-economic development.

### Details of Consultancy Projects

S.No.	Name of the Project Coordinator	Title of the Project and Sponsoring Agency
1	Aruna Ramani Grover	construction of City Centre Phase-II Delhi Cantonment Board Project
2	Aruna Ramani Grover	Delhi Cantonment Board Chitrkut Guest House Project
3	Aruna Ramani Grover	Preparation of Concept Plan through Cost Estimate for Upgradation of IAHE Campus at Noida, IAHE Project
4	P.S.N. Rao	Numaligarh Refinery Limited
5	P.S.N. Rao	Preparation of Master Plan Including Total Station Survey of ONGC Residential Colony at Noida, ONGC New Delhi
6	P.S.N. Rao	Consultancy for Reviewing the Chapters of Regional Plan 2041 for NCR, National Capital Region Planning Board
7	Sanjay Gupta	Gurugram Metropolitan Development Authority
8	Sanjay Gupta	Preparation of Comprehensive Mobility Plan (CMP) for Dwarka K-II, Zone Delhi Development Authority
9	V K Paul	Rural Electrification Corp. Township Gurgaon
10	V K Paul	Indian Medical Association
11	Anil Dewan	Redevelopment of ITO Complex at Pragati Maidan
12	Anil Dewan	Road Safety Audit Delhi Cantonment Board
13	Anil Dewan	Electric Crematorium Building at Old Nangal Delhi Cantt.
14	Manoj Mathur	Irrigation Works Circle, Redevelopment of Asthapath Rishikesh
15	Manoj Mathur	Irrigation Works Circle, Mayapur Haridwar
16	Meenakshi Dhote	Delhi Pollution Control Committee
17	Mandeep Singh	Consultancy of Modipuram Project Basmati Export Development Foundation
18	Sewa Ram	3M Asia Specific Pvt. Ltd.
19	Aarti Grover	Augmentation Alteration to Outer Landscaping and Promises at DUV Vasant Kunj, ONGC
20	Parag Anand and Aditi Singh	Conceptualization of Better Living by Design Award Somany Home Innovation Limited
21	Prabhjot Singh Sugga	Residential Accommodation of Jt. CEO Delhi Cantonment Board and CMO Cantonment General

		Hospital-Delhi Cantonment Board
22	Prabhjot Singh Sugga	Carryout Provisioning of Classrooms, Laboratories etc.at Silver Oak Model School - Delhi Cantonment Board
23	Rajaprakash P.	Construction Work for Preparation of DPR for arboriculture work (Roorkee)-EE Military Engineer Service Baundry Road Near Supply Depot Meerut
24	Rajaprakash P.	Preliminary Site Survey rewnnaisavce Survey on 13 <sup>th</sup> March 2021-GE Project Military Engineer Services Saharanpur Road Bareilly
25	Anil Dewan	New Campus Development for Institute of Medicine Tribhuwan University, Kathmandu Nepal
26	Ashok Kumar	Preparation of Two District Development Plan for Lakhimpur and Dhemaji and 4 Master Plans for Dhemaji, Silapathar, North Lakhimpur, Dhakuankhana in Assam
27	Aruna Ramani Grover	Airport Support Service Centre Village Meshram Nagar -Delhi Cantonment Board
28	Sanjay Gupta	Engagement as a Subject Expert to Develop a White Paper for the Master Plan Delhi 2041











**4. FACULTY DEVELOPMENT AND  
OUTREACH**



## 4.1 FACULTY PARTICIPATION ACTIVITIES - INTERNATIONAL VISITS

During the past years the faculty members have been very active in the participation of the academic and research activities across the globe but due to the global effect of the Pandemic of COVID-19 most of the academic activities took place in online mode. No International visit took place in the reporting year.

## 4.2 MOUs SIGNED DURING 2020-21

S. No.	Name of the MoU	Name of the MoU Partner	Nature of MOU
1	The impact of COVID-19 on Water Security and Quality in New Delhi India	University of Leeds, UK	Research
2	To Encourage the Development for Academic Research and Educational Activities	University of camerino Italy	Academic and Research
3	GCRF Development Awards: Heritage Borders of Engagement Network (ENAGAGE)	Nottingham Trent University, UK	Research
4	Collaboration for UnATHI Fellowship	Indian Housing Federation (IHF), Bengaluru, Karnataka	Academic and Research
5	Collaboration for Student Award as SPA New Delhi Alumnus Ambar Mukherjee	Friends of Ambar Mukherjee Beautiful Minds Foundation	Academic
6	Collaboration for Exchange Papers, Reports, Conduct Special Expert Lecture and Webinars on Basis of Mutual Benefits	Puducherry Smart City Development Limited (PSCDL)	Academic and Research

### **4.3 SPACE: THE SPA JOURNAL OF PLANNING AND ARCHITECTURE**

The School's Journal from 1950's to mid 1980's was titled Urban and Rural Planning Thought and was widely acknowledged as the foremost academic journal in this field. In 1979, the Journal was renamed 'SPA Journal', while in 1985 the Journal was further renamed SPACE, to reflect a more inclusive concept of many disciplines represented in the SPA. The Journal attempts to bring out a diverse collection of technical papers largely contributed by faculty and students of the School.

#### **The Editorial Board**

The Editorial Board of the School is responsible towards bringing out the SPACE Journal and the Newsletter. Prof. Dr. P.S.N. Rao is Editor-in- Chief of the Editorial Board of SPACE Journal.

### **4.4 DISHA NEWSLETTER**

'DISHA' is the quarterly newsletters of the school it comprehensively covers, reviews important events around the campus and announces forthcoming activities to ensure greater participation. Major academic achievements, research works, consultancies, collaborations and extra-curricular activities of the institute are covered in detail in each of the editions. It showcases the achievements and accolades of students, staff, faculty and alumni. The newsletter has a wide outreach and is awaited eagerly by one and all. The newsletter is run by an editorial board comprising of the editor and chairperson, Prof. Dr. P.S.N. Rao (Director), Dr. Shuvojit Sarkar (Associate Professor of Architecture), Ms. Anjali Mittal (Assistant Professor of Architecture) as members and supported by Mr. Nishant Gautam. The newsletter was started in the year 2018 and has successfully completed 13 Editions and is running strong with contributions and support from all the departments, sections and individuals. It has a wide e-circulation and limited printed copies for distribution amongst the guests who visit the school, other institutions and industry leaders. In the current year, four quarterly newsletters were published.









Autodesk



**5.**

## **RESOURCES**



## 5.1 FACULTY MEMBERS IN THE SCHOOL

<b>Department of Architecture</b>		
1.	Prof. Dr. Mandeep Singh	Professor of Architecture
2.	Prof. Manoj Mathur	Professor of Architecture
3.	Prof. Dr. Aruna R. Grover	Professor of Architecture
4.	Prof. Dr. Anil Dewan	Professor of Architecture
5.	Prof. Dr. Jaya Kumar	Professor of Architecture
6.	Prof. Dr. Ranjana Mittal	Professor of Architecture
7.	Dr. Leon Angelo Morenas	Associate Professor of Architecture
8.	Dr. Shweta Manchanda	Associate Professor of Architecture
9.	Dr. Shuvojit Sarkar	Associate Professor of Architecture
10.	Mr. Prabhjot Singh Sugga	Associate Professor of Architecture
11.	Dr. Jatinder Kaur	Associate Professor of Architecture
12.	Mr. S.K. Aaditya	Assistant Professor of Architecture
13.	Ms. Parul Kiri Roy	Assistant Professor of Architecture
14.	Ms. Moulshri Joshi##	Assistant Professor of Architecture
15.	Dr. S.P. Shrivastava	Assistant Professor of Civil Engineering
16.	Ms. Aarti Nagpal	Assistant Professor of Architecture
17.	Ms. Arpita Dayal	Assistant Professor of Architecture
18.	Ms. Anjali Mittal	Assistant Professor of Architecture
19.	Mr. Saptarshi Sanyal**	Assistant Professor of Architecture
20.	Ms. Mekhla Parihar	Assistant Professor of Architecture
21.	Ms. Vandana Kothari	Assistant Professor of Art
<b>Department of Physical Planning</b>		
22.	Prof. Dr. Mahavir	Professor of Planning
23.	Prof. Dr. Ashok Kumar	Professor of Physical Planning
24.	Prof. Dr. Mayank Mathur	Professor of Physical Planning
25.	Prof. Dr. R. Biswas	Professor of Physical Planning
26.	Prof. Dr. Poonam Prakash	Professor of Physical Planning
27.	Ms. Taru Jain#	Assistant Professor of Physical Planning
28.	Ms. PritiDeo	Assistant Professor of Physical Planning
29.	Ms. Papiya B. Raut	Assistant Professor of Physical Planning

30.	Mr. Piyoosh Singh	Assistant Professor of Physical Planning
31.	Mr. Sairam Dasari	Assistant Professor of Physical Planning
<b>Department of Urban Design</b>		
32.	Mr. Arunava Dasgupta	Associate Professor of Urban Design
33.	Mr. Manu Mahajan	Associate Professor of Urban Design
<b>Department of Architectural Conservation</b>		
34.	Prof. Dr. Priyaleen Singh	Professor of Arch. Conservation
35.	Ms. Anuradha Chaturvedi	Associate Professor of Arch. Conservation
36.	Ms. Laxmi Priya T.	Assistant Professor of Arch. Conservation
<b>Department of Landscape Architecture</b>		
37.	Dr. Rajaprakash P. ***	Associate Professor of Landscape Arch.
38.	Dr. Aarti Grover	Associate Professor of Landscape Arch.
<b>Department of Urban Planning</b>		
39.	Prof. Dr. Sanjukta Bhaduri	Professor of Urban Planning
40.	Mr. M. Palaniappan	Associate Professor of Urban Planning
41.	Dr. Chandrani B. Neogi	Associate Professor of Urban Planning
42.	Dr. Nilanjana Dasgupta Sur	Assistant Professor of Urban Planning
43.	Mr. Palthya Srinivas Naik	Assistant Professor of Urban Planning
44.	Dr. Sakkeri Ramya	Assistant Professor of Urban Planning
45.	Mr. Karan Barpete	Assistant Professor of Urban Planning
<b>Department of Regional Planning</b>		
46.	Prof. Dr. N. Sridharan*	Professor of Regional Planning
47.	Prof. Dr. VinitaYadav	Professor of Regional Planning
48.	Dr. Chetna Singh	Assistant Professor of Regional Planning
<b>Department of Environmental Planning</b>		
49.	Prof. Dr. Meenakshi Dhote	Professor of Environmental Planning
50.	Dr. Neha Goel Tripathi#	Assistant Professor of Environmental Planning
<b>Department of Housing</b>		
51.	Prof. Dr. P.S.N. Rao	Professor of Housing
52.	Dr. Ruchita Gupta	Associate Professor of Housing

53.	Ms. Harshita Deo	Assistant Professor of Housing
<b>Department of Transport Planning</b>		
54.	Prof. Dr. Sanjay Gupta	Professor of Transport Planning
55.	Prof. Dr. Sewa Ram	Professor of Transport Planning
56.	Dr. Chidambara	Associate Professor of Transport Planning
57.	Dr. Bhaskar Gowd Sudagani	Assistant Professor of Transport Planning
<b>Department of Industrial Design</b>		
58.	Mr. Parag Anand Meshram	Associate Professor of Industrial Design
59.	Ms. Kritya Gera**	Assistant Professor of Industrial Design
60.	Ms. Aditi Singh	Assistant Professor of Industrial Design
61.	Mr. Sushil Ichhya Vijay	Assistant Professor of Industrial Design
<b>Department of Building Engineering and Management</b>		
62.	Prof. Dr. V.K. Paul	Professor of BEM
63.	Mr. Sushil Kumar Solanki	Associate Professor of BEM
64.	Mr. Salman Khursheed	Assistant Professor of BEM
65.	Dr. Chaitali Basu	Assistant Professor of BEM
66.	Mr. Abhijit Rastogi	Assistant Professor of BEM

\*Now appointed as Director, SPA Bhopal with effect from 24 July 2017.

\*\*On Study Leave

\*\*\* Passed away on May 2021

#CCL

##Resignation under process

## 5.2 CASS/GIS/RS

### 1. Name of the Centre

Centre for Analysis and System Studies  
Centre for Remote Sensing  
Centre for Geographical Information System

### 2. Year of establishment of the Centre

Centre for Analysis and System Studies : 17.10.1986  
Centre for Remote Sensing : 29.07.1999  
Centre for Geographical Information System : 21.01.2003

### 3. Head of the Centres

R. Biswas, Professor of Physical Planning

### 4. Teaching and Workshops organized by CASS

Organized regular classes on GIS, AutoCAD, and Computer Applications for Planning in the GIS lab for the UG and PG Departments.

- Workshop on BIM software with RIPL on 14<sup>th</sup> September 2019.
- Workshop on Geospatial Technologies with ESRI India on 25<sup>th</sup> September 2019.
- Workshop on Cyber Crime Ecosystem Management on 6<sup>th</sup> November 2019

#### (a) Managing the service related to administration

- Maintaining and managing complete Biometric based attendance system.
- Managing and maintaining SPA web-site.
- Maintaining the Schoole mail services for faculty, students and staffs.
- Supporting in purchase of new peripherals for the school.
- Preparing of Technical Tenders for Purchase and Maintenance Section.

#### (b) Managing and providing following IT services along with computerization work

- Asset & Inventory Management of all IT related assets like Servers, PCs,

Printers, Scanners etc.

- Streamline application services like Active Directory, DHCP, DNS, WSUS patch management server, Lib-sys library software.
- Installation and support for ArcGIS software, Autodesk Software Server, for desktop and server based.
- Managing day today calls & closes them according to the priority & SLA.
- Rectifying Network issues in Planning & Architecture Building.
- Managing and securing Network, LAN etc.
- Troubleshooting of all types of Server, Workstation, Printer, Plotter and Scanner, Hardware problem.
- All type of software installation on client machines like AutoCAD, MSoffice, Adobe Reader, Antivirus, Windows7, Windows8, Windows10, Linux, MacOS.
- Managing Antivirus Server Solution on Server and Client machine.
- Firewall Management (UTM Cyberoam 300ing) for blocking unauthorized site and securing intranet network.
- Coordinate with ISP and NIC to streamline internet lease line provide MTNL and NIC.
- Installing and configuring new hardware that comes in to the SPA.
- Maintaining CCTV and Providing Backup of CCTV.
- Providing support in Technical drafting of Tenders.
- Support of CCTV management of School.
- Managing Wi-Fi and creating users on Wi-Fi controller to access internet through access point.
- Managing RF-Link between the two buildings.
- Providing technical support for Dspace library software.
- Managing of Government suggested Social Media pages on Social Networking Site for Institutions.

**(c) Providing following support to students, faculty and staff**

- Displaying Circulars, Question Paper, Results, Academic Information, School Act, Minutes AC & EC, Power and Function for various Officers, Annual Report, Academic Syllabus through local Network/ Intranet.
- Unique User ID creation for access in GIS Lab on domain controller.
- Updating the software on GIS lab with latest patches etc.
- Provide technical support for student in GIS Lab activities.
- Provide CENSUS data for student.

- Providing technical training & IT security tip to students.
- Providing valuable material and tutorials for academic purpose through local intranet.
- E-Mail ID creation of student for academic purpose.
- Providing Internet facilities in ITO Hostel and Maharani Bagh Campus.
- IT equipment facilities provide for student in workshop and seminar like laptop, Projector, speakers etc.
- Remote Sensing equipment issued to the student & faculties for academic purpose.
- Managing Preventive maintenance of System, Network and LAN etc.
- Email ID creation and configured mail software like outlook and Mac Mail.
- Health and Network monitoring to ensure virus free environment.
- Installed, configured and maintained the regular updates of Antivirus on client machine.
- Regular up-dation of website content.
- Creation of E-mailid for Faculty and Staff members.
- Providing regular support on Apple mac machine and laptop.
- Providing technical support for the on-line video conferencing etc.
- Providing technical support for any type of online registration, uploading like Swach Bharat, AISHE, e-scholarship portals.

• **Support Staff**

<b>Name and Designation</b>	<b>Qualification and Specialization</b>
Sh.Shanti Swaroop (Jr. System Analyst)	B.Sc.(Computer Sc.), Advanced Network Management
Sh.Jagdish Kumar(Jr. System Analyst)	B.Sc.(Computer Sc.), M.Sc.(Mathematics)
Sh.Abhishek Jain(Jr. System Analyst)	B.Tech.(Information Technology)



**• Infrastructure and facilities available in the Centre/Section/Unit in  
CASS and GIS**

<b>Internet facilities for staff and students</b>	<b>Total number of Classrooms</b>	<b>Classrooms with ICTfacility</b>	<b>Students Laboratories</b>	<b>Research Laboratories</b>
<ul style="list-style-type: none"> <li>• CASS 25 LAN Points</li> <li>• GIS Lab 23 LANPoints</li> </ul>	One One	Useof Projector With Smart Interactive Board	One GISLab	One for CASS

Hardware Name	Name	Quantity	Company/ Model
Computer	H P Machines Mac Machines	47 (27 GIS, 20 CASS) 5 (CASS)	HP Apple
Printers/ Scanners/ Plotters	Laser Jet	8 1	HP Canon
Wi-Fi Controller	Cisco	1	Cisco 2504WLC
Switches	24Port, 48 Port	5(24 port x 4, 48 port x 1)	D-Link, Cisco
Wi-Fi	Access Points	1	D-Link
Web Filtering Device	UTM	1	Cyberoam 300ing
Server	HPMAC	5 1	HP APPLE

**Software**

ArcGIS10.1, ArcView10.1, ArcInfo10.1, ERDAS, AutoDesk2019, Win 2008 Server (32 & 64Bit), MS Office2007, MS Office2010, Final Cut Studio, Apple iwork09, Mac Office2008 Student Edition, File Maker proServer, Windows 7 Ultimate, MacOS 10 Server, Macfee Anti-virus

## Other Equipment

Webcam

## Infrastructure and facilities available in Remote Sensing Lab

Digital Planometer (X Plan 360(c), Calculators (Scientific), OHP with Screen, Parallax Bars, Slide Projector, Stereoscope Pocket, Prism Stereoscope, Mirror Stereoscope, LCD Sugapavel Projector, Optical Reflecting Projector, Optical Pantograph, Scanning Mirror Stereoscope, Epidiascope.

<b>S.No</b>	<b>Aerial Photographs</b>	<b>Quantity</b>
1.	Jaipur Rajasthan Task No.798-B:39/85	136
2.	Jaipur Rajasthan Task No.798-B39/86	184
3.	Banswara Rajasthan 1350-B	113
4.	Ujjain1108-B	73
5.	Sidhi Madhya Pradesh 1296-B	55
6.	Ganga Nadi (Jaunpur, Azamgarh and Ghazipur) 1400A	67
7.	Jaipur Rajasthan 793-B Case No.39/85	125
8.	Bulandshar-Khurja corridor Task No.1189-A	14
9.	Jaipur Rajasthan 816-A	6
10.	Ujjain aerial Photographs	21
11.	Four small aerial Photographs	4
12.	Ujjain aerial Photographs 5493 (1108-B)	4

### 5.3 ENVIS CENTER ON HUMAN SETTLEMENTS

Environmental Information System (ENVIS), a Central Sector Scheme of the Ministry has been implemented since 1982. The purpose of the scheme is to integrate country-wide efforts in environmental information collection, collation, storage, retrieval and dissemination through ENVIS websites, which are dedicated to different interesting themes. The Department hosts one of the 68 Environmental Information Centers funded by Ministry of Environment, Forests and Climate Change on the thematic aspect of Human Settlements (ENVIS Center on Human Settlements). The revised Memorandum of Co-operation was signed in 2017-18 to initiate new activities and the Center was made a Resource Partner whose activities are detailed as below:

The ENVIS Resource Partner on Human Settlements and their Impact on Environment, supported by Ministry of Environment & Forests, Govt. of India, has been placed with the Department of Environmental Planning, SPA New Delhi since 1993. It works towards Collection, Processing, Documentation and Dissemination of data pertaining to Human Settlements and identifying their potential impacts and effects on the environment, with a mandate to:

- Maintain and update subject-specific database, produce value-added products, case studies, success stories and directories of information on State/ Regional/ National level, Compendium, Abstracts and Journals, Research papers etc.
- Monitor and map districts (divided in to grids of 50kmx50km) on identified parameters in a phased manner.
- To partner in implementation of environmental activities under Sansad Adarsh Gram Yojana and coordinate Village Sensitization Programmes.
- To engage in Green Skill Development and GRIDDS (Grid Based Decision Support System) to monitor environmental status of human settlements in a sustained manner.

The centre is also producing theme-based newsletters. The major users include Central and State Government, institutes and individual scientists, researchers, students and agencies carrying out environmental impact assessment of projects as well as public. All information thus compiled is made available on the Centre's website, which can also be accessed through [www.spaenvis.nic.in](http://www.spaenvis.nic.in). The ministry has recommended use of the data provided by ENVIS Centers in EIA reports.

**Activities Under ENVIS RP for the FY 2020-2021**  
**ENVIS RP on Human Settlements and Their Impact on Environment School of**  
**Planning and Architecture, New Delhi**

<b>Work Plan Distribution on Quarterly Basis</b>	
<b>Ist Quarter: April-June, 2020</b>	
<b>Poster:</b>	<ul style="list-style-type: none"> <li>• Lockdown Impact on Environment-I</li> <li>• Lockdown Impact on Environment-II</li> <li>• COVID-19: Do's and Don'ts</li> </ul>
<b>Article</b>	<ul style="list-style-type: none"> <li>• Social Distancing – Its implication to climate resilience</li> </ul>
<b>PowerPoint Presentation</b>	<ul style="list-style-type: none"> <li>• Lockdown impact on AQI Index and vehicular movements at Delhi-NCR borders</li> </ul>
<b>Questionnaire</b>	<ul style="list-style-type: none"> <li>• Evaluating the lockdown Impact on Environment</li> </ul>
<b>Webinar</b>	<ul style="list-style-type: none"> <li>• Role of City planning in controlling pandemics</li> </ul>
<b>Special Publication</b>	<ul style="list-style-type: none"> <li>• 'Tolerant Vegetation Species for Greenbelt Development' – prepared by the students of the GSDP course on 'Greenbelt Development for Industries'</li> <li>• EIA and Biodiversity- Volume I</li> </ul>
<b>IInd Quarter: July-September, 2020</b>	
<b>Poster</b>	<ul style="list-style-type: none"> <li>• Sanitization techniques at Office premises, homes etc.</li> <li>• World Ozone Day- 16<sup>th</sup> September</li> </ul>
<b>Article</b>	<ul style="list-style-type: none"> <li>• COVID-19 effects on ecosystem services □ Urban Plantation' and its importance in today's context</li> </ul>
<b>Questionnaire</b>	<ul style="list-style-type: none"> <li>• Impact of development on Environment</li> <li>• Need for Urban Greenery</li> <li>• World Ozone Day</li> </ul>
<b>Webinar</b>	<ul style="list-style-type: none"> <li>• Settlements of Indigenous People: Lessons for Sustainability and resilience</li> </ul>
<b>Special Publication</b>	<ul style="list-style-type: none"> <li>• EIA and Biodiversity- Volume II (Impact of Thermal Power Plants on Biodiversity)</li> </ul>
<b>Competition</b>	<ul style="list-style-type: none"> <li>• Essay writing on 'Importance of Ozone layer in Environment' for school students from class 8<sup>th</sup>-12<sup>th</sup></li> </ul>
<b>IIIrd Quarter: October-December, 2020</b>	
<b>Poster</b>	<ul style="list-style-type: none"> <li>• Importance of Plantation in Urban Cities</li> <li>• World Urbanism Day- 8<sup>th</sup> November</li> </ul>

	<ul style="list-style-type: none"> <li>World Habitat day- 5<sup>th</sup> October</li> </ul>
<b>Article</b>	<ul style="list-style-type: none"> <li>Town Planning in Urban Areas Vs Rural Areas</li> </ul>
<b>Webinar</b>	<ul style="list-style-type: none"> <li>Role of Urban Biodiversity in a City's Well Being</li> </ul>
<b>Special Publication</b>	<ul style="list-style-type: none"> <li>EIA and Biodiversity- Volume III (Impact of Hydropower Based Industries on Biodiversity)</li> <li>Habitats variations around the globe</li> <li>Top GRIHA rated Green Buildings of India</li> </ul>
<b>Questionnaire</b>	<ul style="list-style-type: none"> <li>World Town planning Day</li> <li>National Energy Conservation Day – 14<sup>th</sup> December</li> </ul>
<b>Competition</b>	<ul style="list-style-type: none"> <li>Quiz on Habitats and ecosystems</li> </ul>
<b>IVth Quarter: January- March, 2021</b>	
<b>Poster</b>	<ul style="list-style-type: none"> <li>World Wetland Day- 2<sup>nd</sup> February</li> <li>World Wildlife Day- 3<sup>rd</sup> March</li> <li>World Forestry Day- 21<sup>st</sup> March</li> </ul>
<b>Articles</b>	<ul style="list-style-type: none"> <li>Impact of Human Settlements on Forests and Wildlife</li> </ul>
<b>Webinar</b>	<ul style="list-style-type: none"> <li>Rainwater harvesting in Urban areas</li> </ul>
<b>Questionnaires</b>	<ul style="list-style-type: none"> <li>Conserving our Forests and Wildlife</li> <li>Wetlands of India</li> </ul>
<b>Special Publication</b>	<ul style="list-style-type: none"> <li>EIA and Biodiversity- Volume IV (Impact of Coal Based Industries on Biodiversity)</li> </ul>

## 5.4 INTERNAL QUALITY ASSURANCE CELL

**Prof. Dr. P.S.N. Rao**

**Head, IQAC**

**Prof. Dr. Poonam Prakash**

**Coordinator, IQAC**

**Dr. Ashok Kumar**

**Library and Information Officer**

The IQAC was formally established in 2013. The Director, SPA, is the Chairman of the IQAC. The IQAC undertook two important activities in its initial years of establishment. First, offered induction training to the newly recruited faculty at Delhi. Second, as part of its quality assessment mandate, it prepared and submitted required information for institutional accreditation by NAAC. Every year as part of quality assessment, the School participates in the National Institutional Ranking Framework (NIRF) for architecture discipline. Last year too, the School participated in the NIRF ranking which is coordinated by the IQAC. The School improved its overall score from previous years.

### **IQAC is focused on the following aspects for enhancing quality:**

- Development and application of quality benchmarks and parameters for academic and administrative activities.
- Arrangement for feedback responses from parents and other stake holders on quality related institutional processes.
- Organisation of inter and intra departmental workshops and seminars promoting quality.
- Acting as nodal agency of the institution for coordinating quality related activities.
- Creating structures and processes for knowledge management.

### **During the period under reporting, the IQAC has performed the following functions:**

- Coordination, management, editing and publication of information for the Annual Report 2019-20.
- Development of the Draft of the Quality Benchmarks for the School.
- Maintaining foreign visits information of the faculty.
- Coordination and management of relevant information for participation in the India Today –MDRA Ranking 2021, School was placed at 2<sup>nd</sup> position under Architecture discipline.
- Coordination and management of relevant information for participation in the NIRF India Rankings and improvement of the Score.

- Organisation of the special lecture on “Quality Culture in Higher Education Institutions” (Accreditation for Quality Assurance-ISO 21001:2018 Certification), held on 03.03.2021.
- Half Day online Experience Sharing session on ‘*Teaching and Learning through Digital Platforms in Architecture and Planning*’ on 7.07. 2021.

The IQAC is also assisting in other administrative works assigned by the competent authority of the School from time to time.

## **5.5 ANTI-SEXUAL HARASSMENT COMMITTEE**

SPA, New Delhi is committed to making its campus an inclusive and safe teaching learning work environment for all. For this school has created a Complaint Cell of faculty and staff of the school to address the incidences of sexual harassment of women. As per policy document and Code for Preventive Sexual Harassment in the School an Anti-Sexual Harassment Unit (ASHU) has been constituted which will also perform the functioning of the Internal Complaint Committee to enquire into complaints of Sexual Harassment of women at workplace in the School. The Committee is chaired by senior professor and nine other members.

## **5.6 SC/ST CELL**

The School has a SC/ST Cell headed by a Liaison Officer from the faculty who is responsible for taking care of the welfare of SC, ST employees of the School. It basically looks after the employee rosters and any grievances from SC, ST employees in the School. Presently it is headed by Prof. R. Biswas as Liaison Officer. The Liaison Officer of SC/ST Cell chaired the committee to formulate a new roster register for all posts of the school based on the new guidelines of the Government of India for inclusion of SC, ST, OBC and EWS. The Liaison Officer also chaired the committee to formulate the criteria of inclusion of PH candidates in the School for various posts based on the criteria provided by the Ministry of Social Welfare and Justice, Government of India.



## 5.7 STUDENT AID FUND AND SCHOLARSHIPS

### Students Aid Fund

The objectives of the Students Aid Fund (SAF) are to render financial assistance on a case by case basis, to deserving students in the event of unforeseen expenditure for emergencies and to allow them to achieve their academic commitments and goals.

Sources of Fund and Reserve Funds are collected from students. Every student of school pays, at the commencement of the academic session, a sum of Rs.200/- or as revised from time to time. Fines collected from Students on any count are also credited in to the SAF. School on recommendation of the managing committee may raise voluntary contributions for augmenting the funds from suitable sources who desire to contribute to the fund. An amount (depending on the funds presently available) from the existing funds may be kept as a corpus. Incomes from which may be added to the amount of student contributions. The surplus funds if any, during a year, shall be credited to the corpus of the SAF.

These funds can be disbursed for the purpose of medical, living expenses, purchase of equipment for academic activities, travel expenses for study tours/ attending conferences/ workshops.

All students except PG Students receiving GATE Scholarships and full-time PhD students receiving stipends are eligible for the fund. Financial Assistance is granted as a one-time assistance of a minimum of Rs 10000/- and a maximum Rs. 25000/- or as revised by the Managing Committee from time to time and approved by the School. In case of students seeking financial assistance for the second time, in case of emergency, the Director can use his discretionary powers to extend such financial assistance to a student by considering the significance of the case.

The SAF is administered by the Managing Committee constituted of the following members:

- Director/Dean of Studies of the School—chairman (Ex-Office).
- The UG and PG Student Advisors.
- Two students nominated by the Director/DOS of the School from the Student's Council.
- Registrar of the School—Secretary (Ex-officio).

A separate Bank Account for the SAF shall be maintained by the School for the operation of the fund.

- All disbursement shall be approved by the Director and the signatories for operating the bank account shall be the Registrar and the DR/AR/SO of the Accounts Section.
- All accounts of SAFs shall be maintained by the Accounts Section of the School and regularly audited.

In this year 15 students were given Rs.25000 each for various purposes.

### **Scholarships**

GATE scholarship is available to the Postgraduate Students. Students also getting Scholarships under various Government Scholarship Schemes for PG/UG students through National Scholarship Portal (NSP) as well as from the State Government.

## 5.8 DOCUMENTATION CUM PUBLICATION UNIT

Documentation-cum-Publication Unit (DPU) of the School is entrusted with the task of supporting the functions relating to knowledge sharing through documentation and dissemination of the outcomes of research and development activities undertaken by the School with stakeholders. It supports the activities related to printing and publication for the School. The DPU makes printing arrangements for all the publications of the School such as Annual Report, SPACE Journal, SPA Newsletter, Seminar Series, Convocation Booklets, Students' Handbook, Prospectus, Visiting Cards, special publications, etc. from time to time. In addition to the above items the DPU also prints stationery items for Examination Section and Store, Purchase and Maintenance Section, Accounts and Budget Section, etc. during the year 20109-20 the DPU brought out following publications:

- Printing of the Annual Report 2019-20 (English) and Annual Report 2019-20 (Hindi)
- SPACE Journal Vol. 23, No.1-2 (Jan-June) 2019, SPACE Journal Vol. 23, No.3-4 (July-Dec.) 2019
- Printing of the Design Innovation Centre booklets: Research Projects; Consultancy Projects; Summary of Thesis on Disaster Management; and Centres.
- Printing of the School Regulation: Code of Professional Ethics for Teachers; Guidelines For Conduct of Research Projects; Guidelines For Conduct Of Capacity Building/ Training Programmes; Revised Consultancy Rules – 2002; Guidelines For Implementation of Cumulative Professional Development Allowance (CPDA);
- Printing of the IX Semester Design Studio Work of the Architecture
- School Prospectus – 2021
- 38<sup>th</sup> Convocation Booklet, Profile and Speeches of the Guest of Honour and Chief Guest
- Students Handbook 2021-22
- Printing of Ordinances and Regulations of the SPA
- Printing of convocation invitation cards, Foundation day celebration invitation cards
- Printing of office stationary and examination stationary
- Printing of visiting cards and I.D. cards
- Preparation of NIQ/NIT
- Proof reading, translation, typing of School Publications and communications with printers and other stakeholder

DPU is also assisting in other administrative works assigned by the competent authority i.e. assisting in vigilance matters of the School, Internal Quality Assurance Cell, Nodal Officer (Election), Hindi Work, Public Information Officer for DPU and related matters, updation and revision of School Website, any other work assigned from time to time. Dr. Ashok Kumar, Library Information Office is in charge of Documentation and Publication unit.

## 5.9 LIBRARY

Prof. Dr. Ranjana Mital

**Chairperson**

Narendra Singh Dhami

**Library & Information Officer**

Hargian Singh

**Sr. Library & Information Assistant**

Pramod Nabor

**Library & Information Assistant**

The Library of the School continued to play an important role in the documentation and dissemination of knowledge and information in the areas of planning and architecture and allied fields. The Library of the School has been acting as a crucial resource center to meet the information needs of its users, including students, faculty, visiting faculty, research scholars, staff of the School and visitors of other institutions/universities. Library is equipped with computer and electronic facilities such as online resources to support teaching, learning and research activities of the School.

The School maintains well-stocked libraries in both Planning and Architecture campuses. Together these libraries are arguably one of the richest storehouses of books/documents in the fields of planning and architecture in the entire Asian region. During the period under report 13 books, 197 theses, 54 dissertations were added in the library.

The library has subscription to electronic databases such as JSTOR, Sage Urban Planning Studies, South Asia Archives and Indiastat. Besides the electronic databases library also have subscription to custom collection of 16 e-journals of various publishers. The other resources such as National Digital Library and the Institute for Studies in Industrial Development (ISID) are also available online. For convenience of users, off-campus remote access facility has been provided to access the online resources.

Online Public Access Catalogue (OPAC) is available on intranet and can be searched from anywhere within the campus. The OPAC facilitates browsing and searching the databases of books, thesis/dissertation reports, new additions in the library and members check-out details. The members of the library has been provided single bar-coded identity-cum-library card for borrowing books from the library.

Moreover, to update the members library brings out a monthly list of new additions and also provides current awareness services such as contents of the current periodicals and relevant information from the newspaper dailies and are made available electronically. Library is member of the Developing Library Network (DELNET). This has given the facility of access to massive collection of union catalogue of books of member libraries and other online resources. It has also strengthened the Inter-Library Loan (ILL) and resource sharing activities in meeting the needs of users related to books, articles etc. through Developing Library Network. Photocopying facility is available in both the libraries of the School.

## 5.10 WORKSHOP AND MATERIALS TESTING & SURVEYING LABORATORY

### Workshop

The Material Workshop at SPA provides a range of training and maintenance services to the SPA students. Students are trained in basic carpentry and metal work and have access to workshop facilities for making architectural models. The workshop is fully equipped for all categories of carpentry, machine tooling and soon. Major responsibility for routine repairs and maintenance of various campus buildings also rests with the workshop. The Head of the Department of Industrial Design looks after the Workshop.

### Materials Testing & Surveying Laboratory

As part of the academic activities at Undergraduate and Postgraduate levels of various Department of Studies, Material testing and Surveying Laboratory has been established in order to impart practical learning to undergraduate and postgraduate students in the irrelevant field. Students of different departments of studies visit the Lab regularly as per their academic programme and for other research works. The intent of the lab is to make students conversant with the behavior of structural material like bricks, concrete, timber, steel, etc. under different loading conditions as well as to assess the Quality of a building unit, thus it caters the need of research/consultancy. The laboratory is equipped with both Destructive/Non-destructive test equipment's like, Universal Testing machine (UTM400KN Capacity, GDRmake), Compression Testing Machine (CTM 2000 kN Capacity, GDR make). Both the Machines are Interfaced with Computer. Similarly, Non-destructive test equipment's like Digital Ultrasonic Concrete Tester (UPV), Rebound Hammer are available in the Lab. Double acting Hydraulic Jacks for pre-stressing is available in the Lab. Surveying Laboratory is equipped with latest modern equipment like Electronic Total Station apart from other conventional equipment. Concrete Mixer, Vibrating Table, Needle Vibrator and Cement Mortar Vibrator etc. for mixing & compaction of cement/ concrete are available in the Lab. A no. of C.I. moulds like Cubes, Cylinders, Beams, etc. are available for the Students. These moulds are used for casting of concrete by the students with different mix proportions and with different admixtures. Other testing equipment's for carrying out test of Cement/Concrete like, slump test for workability of concrete, compaction fact or test, Vicat Apparatus for

Consistency/ setting time of cement, etc. to study the physical properties of Cement/Concrete are available in the lab. Also Structural models are being prepared by the students and tested under different loading conditions. The procurement of other and latest equipment like loading frame, LVDT, Load Cell, Data Logger, Rebar Locator etc. are under process. The lab is being upgraded from time in order to introduce the Instruments based upon the latest technology. Mr. Piyush Kant Jain is heading the Lab.



## 5.11 SPORTS ACTIVITIES

Sports are an integral part of student life at SPA, New Delhi inspite of modest sports facilities and infrastructure. The Students are encouraged to make best use of available infrastructure. The School offers sports facilities for basketball, badminton, volleyball, garden gym, table tennis and billiards. The Sports Cell has also encouraged informal sports activities such as cycling city tours inter-class matches of improvised cricket and fuzzleball. The gym facility at the Maharani Bagh was revamped and expanded a couple of years back.

The Sports Cell of the school primarily deals with various sports activities of students across all the departments. The cell organises annual sports meet 'ATHLOS'. The event is held in the month of October. Students from all departments come together and participate in friendly competition in different sporting activities namely badminton, table tennis, volleyball, chess, carrom, pool, football, cricket, kho-kho and athletics. Required arrangements are made in the Maharani Bagh hostel courtyard and staff lawns for the activities. Chilla Sports Complex for cricket and Common wealth Games Village are used for football and athletics. Athlos acts as a platform for students to discover and showcase their talents in the sports field. New players are identified every year during Athlos who are passionate about and dedicated towards the irrespective sports. The Sports Cell also helped in organizing the annual sports meet of the staff members of the school in the first week of January. However, due to COVID-19 pandemic the events were not held during the academic year 2020-21.

Apart from this the Sports Cell also coordinates and facilitates the participation of student's teams in various, national and inter-SPA sports meet. This academic year too the Sports Cell organized the International Yoga Day on 21<sup>st</sup> June 2020, online and facilitated the online participation of the students, staff and faculty members.

The Sports Cell promotes promising students in various sports by offering coaching in various governments run coaching schemes at different sports complexes across the Delhi NCR from time to time.

The School aims to provide a wholesome sports opportunity that contributes significantly to the personality development of the students. The sports cell which

undertook all these activities was ably guided by Prof. (Dr.) Vinay Maitri (former Dean, Student Affairs) and Prof. (Dr.) Ashok Kumar (Dean, Student Affairs) and supported by Dr. Shuvojit Sarkar (Sports Coordinator).

The sports cell would like to continue the good work in inculcating a positive outlook amongst the students body towards sports and fitness once again as the institution reopens after the pandemic.









**6.**

## **ADMINISTRATION**



## 6.1 ADMINISTRATIVE STAFF IN THE SCHOOL

S.No.	Name	Designation
1.	Shri Umakant Agarwal	Registrar
2.	Shri Virendra Kumar	Deputy Registrar
3.	Smt. Jagjeet Kaur	Assistant Registrar
4.	Shri Anuj Bhardwaj (on lien)	Assistant Registrar
5.	Shri Girish Kumar	Assistant Registrar
6.	Shri Narendra Singh Dhami	Library & Information Officer
7.	Dr. Ashok Kumar	Library & Information Officer
8.	Shri Piyush Kant Jain	T.O. (Lab)
9.	Shri Kishori Lal	Section Officer
10.	ShriPratap Singh Rawat	Section Officer
11.	Shri Ashok Kr. Sharma	Section Officer
12.	Shri Dhirender K. Agnihotri	Section Officer
13.	Shri Surender Kumar	A.E. (Civil)
14.	Shri Shanti Swaroop	Jr. System Analyst
15.	Shri Jagdish Kumar (on deputation)	Jr. System Analyst
16.	Shri Abhishk Jain	Jr. System Analyst
17.	Smt. Renu Anand	Sr. P.A.
18.	Shri SanjeevJoshia	Sr. P.A.
19.	Shri Patras Toppo	Sr. Assistant
20.	Smt. Veena Yadav	Sr. Assistant

21.	Shri Ashwani Kumar Chadha	Sr. Assistant
22.	Smt. Renu Sharma	Sr. Assistant
23.	Shri Ajay Kumar Sharma	Sr. Assistant
24.	Smt. Shakuntala Batra	Sr. Assistant
25.	Shri Manohar Lal	Sr. Assistant
26.	Smt. Kiran Punia	Sr. Assistant
27.	Shri Padam Singh Kaim	Sr. Assistant
28.	Shri Mohar Singh	Sr. Assistant
29.	Shri Vinod Kumar	Asstt. Photographer
30.	Shri Sushil Khandelwal	A.V. Assistant
31.	Shri Hargian Singh	Sr. Library and Info. Assistant
32.	Shri Kamal Kumar Arora	P.A.
33.	Shri Paras	P.A.
34.	Shri Rahul Dixit	Steno
35.	Shri Syed Ahmed Ali Rizvi	Steno
36.	Ms. Pooja Negi	Steno
37.	Shri Gourav Singh Rawat	Steno
38.	Shri Kamal Kishore Tuteja	Assistant
39.	Smt. Poonam Saini	Assistant
40.	Shri Hari Ram	Assistant
41.	Shri Lavlin Dixit	Assistant
42.	Shri Vijay Asnani	Jr. Technical Assistant
43.	Shri Manik Rao	Jr. Assistant



44.	Shri Harender Singh Bisht	Jr. Assistant
45.	Shri Nand Kishore	Jr. Assistant
46.	Shri Roshan Lal	Jr. Assistant
47.	Shri Mohan Singh Patwal	Jr. Assistant
48.	Shri Sher Singh Meena	Hindi Typist
49.	Shri Rakesh Kumar	Jr. Technical Asstt.
50.	Shri Om Prakash S/o RC	Caretaker
51.	Shri Bhagwan Singh Rawat	Electrician-cum-Plumber
52.	Shri T. Pramod Nabor	Library and Info. Assistant
53.	Shri Om Prakash	Jr. Library and Info. Assistant
54.	Shri Joby Mathew	Driver
55.	Shri Chaman Singh	Driver
56.	Shri Sushil Kumar	Mechanic
57.	Shri Soban Singh	MTS
58.	Shri Anil Kumar Mishra	MTS
59.	Shri Mukesh Kumar S/o TC	MTS
60.	Shri Satya Kumar	MTS
62.	Shri Shyam Sunder Mehto	MTS
63.	Shri Gaje Singh	MTS
64.	Shri Suresh Kumar	MTS
65.	Shri Kuldip Kumar	MTS
66.	Shri Surinder Kumar	MTS
67.	Shri Ram Singh Bani	MTS

68.	Shri Bijender Singh	MTS
69.	Shri Dinanath Prasad	MTS
70.	Shri Kanwal Kumar Raheja	MTS
71.	Shri Govind Ballabh Joshi	MTS
72.	Shri Vinay Kumar	MTS
73.	Shri Shiv Singh Bisht	MTS
74.	Shri Amar Singh Rawat	MTS
75.	Shri Ishwar Singh	MTS
76.	Shri Pappu Singh	MTS
77.	Shri Arjun Singh	MTS
78.	Shri Rajender	MTS
79.	Shri Sukram Pal	MTS
80.	Shri Ravinder Bhardwaj	MTS
81.	Shri Sunil Kumar, S/o CS	MTS
82.	Shri Mukesh Kumar S/o Rajindri	MTS
83.	Shri Ramesh, S/o Rupri	MTS
84.	Shri Sunil Kumar, S/o DP	MTS
85.	Smt. Bishambri	MTS
86.	Smt. Ram Bati	MTS
87.	Smt. Lajja Devi	MTS
88.	Shri Sushil Lakra	MTS
89.	Smt. Rekha Devi	MTS
90.	Smt. Kusum	MTS











**7.**

**STUDENTS AND STAFF  
ACCOMMODATION**



## 7.1 HOSTELS

School of Planning and Architecture, New Delhi has three hostels distributed across two campuses. The campus at ITO has a hostel for girls houses first year undergraduate and postgraduate girl students. Girl's hostel at Maharani Bagh houses remaining undergraduate girl students and boys hostel houses all the boys of the school irrespective of their years and courses. In the year **2020-21** the ITO girls hostel accommodated about 190 girl students and the Maharani Bagh girls hostel about 54 students. The Maharani Bagh boys hostel housed around 295 students.

Hostel accommodation of the school is very limited and is offered only to outstation students based on the availability of seats and in accordance with the hostel rules framed by the school from time to time.

The sports infrastructure in the hostel is modest with courtyards and outdoor green being the major activity hub used for multiple games like basketball, badminton, fuzzleball and courtyard cricket. Volley-ball, table tennis, snooker and gym facilities are also available for the students. Inter-batch tournaments for both formal and non-formal sports are a regular feature in the evenings which sees large number of hostellers participating.

Regular campaigns were run in the hostels with an objective to educate and sensitise the students on various issues like hygiene, fire safety, electricity conservation, waste segregation, water conservation etc.

Apart from these there were a number of initiatives taken at the community level by the hostellers on the weekends which include tree plantation drive, awareness programs on garbage and waste management, teaching the under privileged children in the nearby in formal settlements etc.

The student community is very well knit and come across as a cohesive unit with students reaching out and ready to help each other at all times. Guided mentorship programs under the supervision of the wardens are a regular feature.

Medical rooms with basic facilities are available in both the hostels along with appointed doctors, who apart from their fixed visiting hours are available on call round the clock.

The Hostels are a cauldron of all the cultures across India with almost all the major cultural festivals being celebrated with equal festivity and fervor. Cultural events, functions and community lunches and dinners are organized by the student community at regular intervals in the Hostel which enhances bonding and harps community feeling amongst them.

All the hostels were shut down from the 17 March 2020 due to the COVID-19 pandemic after instructions from the competent authorities of the school complying with the Gol directives.











**8.**

**FINANCE**



**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
BALANCE SHEET AS ON 31-03-2021**

(Amount Rs.)

SOURCES OF FUNDS	Schedule	Current Year	Previous Year
CORPUS/CAPITAL FUND	1	447,157,863	42,133,672
DESIGNATED/ EARMARKED/ENDOWMENT FUNDS	2	1,747,938	271,061,413
CURRENT LIABILITIES AND PROVISIONS	3	204,224,269	183,444,639
<b>TOTAL</b>		<b>653,130,069</b>	<b>496,639,724</b>

APPLICATION OF FUNDS	Schedule	Current Year	Previous Year
FIXED ASSETS			
Tangible Assets	4A	131,270,730	130,177,960
Capital Work in Progress	4B	13,079,255	13,054,243
INVESTMENTS-FROM EARMARKED/ ENDOWMENT FUNDS	5	27,006,200	25,540,796
INVESTMENTS-OTHERS	6	178,270,829	168,000,000
CURRENT ASSETS	7	243,934,970	100,883,973
LOANS, ADVANCES AND DEPOSITS	8	59,568,086	58,982,752
<b>TOTAL</b>		<b>653,130,069</b>	<b>496,639,724</b>

SIGNIFICANT ACCOUNTING POLICIES 19

CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS 20

**Compiled on the basis of books of accounts Produced before us.**

**For SUNDER SHARMA & CO.**

**CHARTERED ACCOUNTANTS**

FRN No: 008629N

Sd/-

CA SUNDER KUMAR SHARMA  
PARTNER  
UDIN : 21087495AAAACO5190

Sd/-

GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-

VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

Sd/-

UMAKANT AGARWAL  
REGISTRAR

Sd/-

PROF. DR. P.S.N. RAO  
DIRECTOR

PLACE: NEW DELHI  
DATE: 12<sup>th</sup> July, 2021

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD ENDED 31-03-2021**

(Amount Rs.)

PARTICULARS	Schedules	Current Year	Previous Year
<b>INCOME</b>			
ACADEMIC RECEIPTS	9	107,374,571	109,581,441
GRANTS/SUBSIDIES RECEIVED	10	545,700,000	519,000,000
INTEREST EARNED	11	10,084,696	7,730,813
OTHER INCOME	12	8,284,483	23,922,149
<b>TOTAL (A)</b>		<b>671,443,750</b>	<b>660,234,403</b>
<b>EXPENDITURE</b>			
STAFF PAYMENTS AND BENEFITS	13	378,261,274	441,432,786
ACADEMIC EXPENSES	14	55,510,947	44,680,095
ADMINISTRATIVE AND GENERAL EXPENSES	15	80,759,279	105,779,120
TRANSPORTATION EXPENSES	16	52,887	197,518
REPAIR & MAINTENANCE EXPENSES	17	5,853,046	11,247,688
OTHER EXPENSES	18	11,705,008	9,503,567
<b>TOTAL (B)</b>		<b>532,142,441</b>	<b>612,840,774</b>
<b>BALANCE BEING EXCESS OF EXPENDITURE OF INCOME (A-B)</b>		139,301,309	47,393,628
TRANSFER TO SPECIAL RESERVE (SPECIFY EACH)		-	-
TRANSFER TO /FROM GENERAL RESERVE		-	-
<b>BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO RESERVES AND SURPLUS</b>		<b>139,301,309</b>	<b>47,393,628</b>
SIGNIFICANT ACCOUNTING POLICIES	19		
CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS	20		

Compiled on the basis of books of accounts Produced before us.

**For SUNDER SHARMA & CO.**  
**CHARTERED ACCOUNTANTS**

FRN No: 008629N

Sd/-

CA SUNDER KUMAR SHARMA  
 PARTNER  
 UDIN : 21087495AAAACO5190

Sd/-

GIRISH KUMAR  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-

VIRENDRA KUMAR  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-

UMAKANT AGARWAL  
 REGISTRAR

Sd/-

PROF. DR. P.S.N. RAO  
 DIRECTOR

PLACE: NEW DELHI  
 DATE: 12<sup>th</sup> July, 2021

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021**

SCHEDULE 1 - CORPUS/CAPITAL FUND		(Amount Rs.)	
A) Corpus Fund	Current Year	Previous Year	
Balance as at the beginning of the year	16,699,502	14,324,510	
Add: Excess of Income over expenditure transferred from the Income & Expenditure Account	139,301,309	-	
Add: Transferred from Reserve & Surplus Account	25,434,170	-	
Add: Transferred from Fixed Assets fund	264,000,392	-	
Add: Contributions towards Corpus Fund	1,472,640	1,454,980	
Transfer from Consultancy Fund	249,850	920,013	
Transfer from DASA Fees			
<b>Total A</b>	<b>447,157,863</b>	<b>16,699,502</b>	
B) Reserves and Surplus	Current Year	Previous Year	
Balance as at the beginning of the year	25,434,170	(21,959,459)	
Add: Excess of Income over expenditure transferred from the Income & Expenditure Account	-	47,393,628	
Less: Transferred to Corpus fund	25,434,170	-	
<b>Total B</b>	<b>(0)</b>	<b>25,434,170</b>	
<b>GRAND TOTAL (A+B)</b>	<b>447,157,863</b>	<b>42,133,672</b>	

Sd/- GIRISH KUMAR ASSISTANT REGISTRAR (A&B)	Sd/- VIRENDRA KUMAR DEPUTY REGISTRAR (A&B)	Sd/- UMAKANT AGARWAL REGISTRAR
		Sd/- PROF. DR. P.S.N. RAO DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021**

Particulars	Fund Wise Breakup		Total	
	Fixed Asset & Building Fund	Endowment Fund (Schedule-2A)	Current Year	Previous Year
A				
a) Opening balance of the funds	269,304,794	1,756,619	271,061,413	257,808,313
b) Additions during the year:				
1) Income from Investments made on account of funds	-	82,014	82,014	81,464
2) Addition of New Fund				
i) Gifted Capital	-	1,525	1,525	-
ii) Capital Expenditure - Non Recurring			-	602,200
<b>Total (A)</b>	<b>269,304,794</b>	<b>1,840,158</b>	<b>271,144,952</b>	<b>278,491,977</b>
B				
Utilisation/Expenditure towards objectives of funds				
i. Capital Expenditure- depreciation	5,304,402		5,304,402	7,344,200
ii. Revenue Expenditure		92,220	92,220	86,364
iii Transferred to Corpus fund A/c	264,000,392	-	264,000,392	
<b>Total (B)</b>	<b>269,304,794</b>	<b>92,220</b>	<b>269,397,014</b>	<b>7,430,564</b>
<b>Closing Balance at the year end (A - B)</b>	<b>(0)</b>	<b>1,747,938</b>	<b>1,747,938</b>	<b>271,061,413</b>

Sd/-  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. P.S.N. RAO  
DIRECTOR



**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021**

S.No.	Name of the Endowment	Opening Balance of Endowment with Interest	Addition during the year		Total	Expenditure on the object during the year	Closing Balance
			Amount Received	Interest			
1	Shreya Anand Gold Medal A/c.	90,640	-	9,254	99,894	9,000	90,894
2	Nomi Bose Endowment	(6,701)	-	324	(6,377)	-	(6,377)
3	Prof. S. K. Narayana Gold Medal	1,23,681	-	9,255	1,32,936	5,742	1,27,194
4	Ved Prakash Saini Memorial Award	2,175	-	1,110	3,285	1,000	2,285
5	Subash Paranjape Mamorial Award	27,777	-	814	28,591	-	28,591
6	Krishna Saini Gold Medal	45,991	-	2,729	48,720	-	48,720
7	Narendra Juneja Memorial Award	1,56,667	-	7,403	1,64,070	5,742	1,58,328
8	Setur Ananamma Award	2,056	-	-	2,056	-	2,056
9	Prof. T.J. Manickam Memorial Award	(54,288)	-	5,553	(48,735)	15,752	(64,487)
10	L.R. Vagle	64,206	-	4,627	68,833	-	68,833
11	Vandana Goel Gold Medal Fund	1,42,519	1,525	3,701	1,47,745	4,000	1,43,745
12	M.R. Aghihotri Fund	98,785	-	1,851	1,00,636	2,000	98,636
13	N.S. Saini Gold Medal	1,04,127	-	-	1,04,127	5,742	98,385
14	J.K. Chaudhary Fund Trust	2,02,422	-	18,159	2,20,581	15,000	2,05,581
15	Abhijit De Design Award	2,52,176	-	17,234	2,69,410	15,000	2,54,410
16	P C Jain Alurnni Gold Medal	2,03,652	-	-	2,03,652	5,742	1,97,910
17	Siddharth Khitoliya Award	3,00,734	-	-	3,00,734	7,500	2,93,234
	<b>Total</b>	<b>17,56,619</b>	<b>1,525</b>	<b>82,014</b>	<b>18,40,158</b>	<b>92,220</b>	<b>17,47,938</b>

SCHEDULE 2A - ENDOWMENT FUNDS

Sd/-  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. P.S.N. RAO  
DIRECTOR

# SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI

## SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021

**SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS**

Particulars	Current Year		Previous Year		Total
	School	Consultancy Fund	School	Consultancy Fund	
<b>CURRENT LIABILITIES</b>					
1 Deposits from staff	1,421,592	-	1,421,592	-	1,349,592
2 Security Deposits from students	32,852,390	-	32,852,390	-	29,595,865
3 Student Association fees	27,193,347	-	27,193,347	-	21,913,686
4 Sundry Creditors					
a) For Goods and Services	1,629,740	-	1,629,740	-	5,181,579
b) Others Creditors	265,011	-	265,011	-	382,026
5 Deposits-Others (Including EMD, Security Deposit)					
a) Deduction from Salary	4,838,555	-	4,838,555	-	4,836,513
b) Earnest Money Deposit/Security Deposit	4,787,400	-	4,787,400	-	6,164,701
6 Statutory Liabilities					
a) Overdue	230,105	-	230,105	-	203,324
b) Others Liability	2,940,834	-	2,940,834	-	2,610,605
7 Other Current Liabilities					
a) Salaries	9,761,217	-	9,761,217	-	8,950,762
b) Sponsored projects	17,278,558	-	17,278,558	-	13,656,742
c) Sponsored fellowship & Scholarships	5,597,844	-	5,597,844	-	5,473,891
d) Other Liabilities	470,198	-	470,198	-	1,578,933
e) Payable to consultancy project subsidiary accounts		43,508,382	43,508,382		44,687,257
f) Outstanding Expenses					
Academic Expense					
Administrative Expense					
Establishment Expense	14,210,118	-	14,210,118	-	1,822,800
Concerned Departments / PDF					
Stale Cheques		15,320,021		15,320,021	1,978,676
Leave Salary Contribution	3,366,895	-	3,366,895	-	14,489,309
Pension Contribution	1,173,740	-	1,173,740	-	2,764,257
Pension Payable	2,154,919	-	2,154,919	-	835,646
Amount Payable to GPF/CPF	5,566,704	-	5,566,704	-	1,402,595
CSAB Counselling Center	7,769,874	-	7,769,874	-	5,606,957
Fees Refundable	313,231	-	313,231	-	7,053,059
Amount payable to Consultancy Cell	96,748	-	96,748	-	313,231
Total	1,442,221	-	1,442,221	-	96,748
	145,395,865	58,828,404	204,224,269	59,176,566	34,625
			124,268,073		183,444,639

Sd/-

**GIRISH KUMAR**  
ASSISTANT REGISTRAR  
(A&B)

Sd/-

**VIRENDRA KUMAR**  
DEPUTY REGISTRAR  
(A&B)

Sd/-

**UMAKANT AGARWAL**  
REGISTRAR

Sd/-

**PROF. DR. P.S.N. RAO**  
DIRECTOR

# SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021

S. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the year	Closing Balance	
		Credit	Debit				Credit	Debit
1	Framework for Effective People	41,780	-	-	41,780	-	41,780	-
2	<b>Ministry of Education</b>							
(a)	Development of a National Urban Transportation System	21,597	-	-	21,597	-	21,597	-
(b)	Development of Remote Sensing & Photogrammetry	3,678	-	-	3,678	-	3,678	-
(c)	Natural Hazard Mitigation in the Earth Quake Prone Himalayas	68,151	-	-	68,151	-	68,151	-
(d)	Energy Conservation Settlements & Building through Design	8,636	-	-	8,636	-	8,636	-
(e)	Heritage Information Laboratory for Part Conservation Process in the Potential World Areas	49,822	-	-	49,822	-	49,822	-
(f)	Capacity Building for the Informal Sector in Municipal Solid Water Management - MHRD	257,714	-	-	257,714	-	257,714	-
3	<b>Ministry of Environment and Forest</b>							
(a)	Eco-System Band Dev. For carrying Capacity of Hill Resort Towns	23,872	-	-	23,872	-	23,872	-
(b)	ENVIS Centre for Human Settlement	111,915	-	2,562,553	2,674,468	2,169,435	505,033	-
(c)	Sustainable Development Network Program (India)	404	-	-	404	-	404	-
4	<b>Ministry of Non-Conventional Energy Resources</b>							
(a)	Software Development	84,984	-	-	84,984	-	84,984	-
5	<b>AICTE</b>							
(a)	Strengthening of Remote Sensing Laboratory	37,304	-	-	37,304	-	37,304	-
(b)	Sustainable for Rural Development Evolving a Model for Variable Habitat in Selected Agroclimatic	55,443	-	-	55,443	-	55,443	-
(c)	Carrier Award for Young Teachers	354	-	-	354	-	354	-
(d)	Quality Improvement Programme	210,962	-	-	210,962	-	210,962	-
6	<b>FORDFOUNDATION</b>							
(a)	Manual on District Planning	400	-	-	400	-	400	-
7	<b>UNESCO: 19th &amp; 20th Century in Arch. Conservation in India</b>							
(a)	Department of Science and Technology	40,880	-	-	40,880	-	40,880	-
8	<b>Department of Science and Technology</b>							
(a)	Manual on District Planning	27,658	-	-	27,658	-	27,658	-
(b)	NCR Probe - DST Project	70,044	-	96,440	166,484	121,715	44,769	-
9	<b>Ministry of Home Affairs</b>							
(a)	National Programme for Capacity Bldg. Arch. In Earthquake Risk Mgmt.	1,226,813	-	-	1,226,813	-	1,226,813	-
10	<b>SISRY Grant</b>							
(a)	National Programme for Capacity Bldg. Arch. In Earthquake Risk Mgmt.	-	52,505	-	(52,505)	-	-	52,505
11	<b>M/UD - Alter Approaches to Master Plan</b>							
(a)	Manual on District Planning	187	-	-	187	-	187	-
12	<b>Fire Safety in Environment Project</b>							
(a)	Manual on District Planning	100,000	-	-	100,000	-	100,000	-
13	<b>Ministry of Social Welfare</b>							
(a)	Manual on District Planning	170,603	-	-	170,603	-	170,603	-
14	<b>Chance 2 sustain</b>							
(a)	Manual on District Planning	2,348,805	-	-	2,348,805	-	2,348,805	-
15	<b>DIC DU Project</b>							
(a)	Manual on District Planning	-	10,923	-	(10,923)	193	-	11,116
16	<b>Kalpa &amp; Sangla Project</b>							
(a)	Manual on District Planning	57,616	-	-	57,616	-	57,616	-
17	<b>Rajiv Avas Yojna</b>							
(a)	Manual on District Planning	396,503	-	-	396,503	-	396,503	-
18	<b>Curaj Design Project (Rajasthan University)</b>							
(a)	Manual on District Planning	50,000	-	-	50,000	-	50,000	-
19	<b>I.U.S.F.B.</b>							
(a)	Manual on District Planning	133,732	-	-	133,732	-	133,732	-
20	<b>N.R.C. Project</b>							
(a)	Manual on District Planning	-	180,144	-	(180,144)	-	-	180,144
21	<b>SINP Project</b>							
(a)	Manual on District Planning	-	107,246	-	(104,833)	-	-	104,833
22	<b>SPA DIC MHRD</b>							
(a)	Manual on District Planning	3,098,483	-	2,413	2,413	12,506,307	7,672,825	-
23	<b>I.C.H.R Project</b>							
(a)	Manual on District Planning	174	-	-	174	-	174	-
24	<b>Rajasthan Rurban Project</b>							
(a)	Manual on District Planning	196,807	-	-	196,807	-	196,807	-
25	<b>Kerala Rurban Project</b>							
(a)	Manual on District Planning	359,251	-	-	359,251	-	359,251	-

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021**

S. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during	Total	Expenditure during the year	Closing Balance	
		Credit	Debit				Credit	Debit
26	E Pathshala Project	700,000	-	-	700,000	700,000	-	-
(a)	E Pathshala Project (Urban Design)	5,000	-	-	5,000	-	5,000	-
(b)	E Pathshala Project (Planning)	10,000	-	-	10,000	-	10,000	-
27	BMTPC Project	161,438	-	-	161,438	-	161,438	-
28	GIAN Project	444,529	-	-	444,529	19,890	424,639	-
29	NTPC Project	200,000	-	-	200,000	-	200,000	-
30	AIIMS Project	45,572	-	-	45,572	119,682	-	74,110
31	ICSSR India Project	-	2,000	-	(2,000)	-	-	2,000
32	Green Campus Project	182,141	-	270,000	452,141	445,184	6,957	-
33	MOOC's Project	1,299,652	-	-	1,299,652	1,473,410	-	173,758
34	ARPIT Project	-	-	730,672	730,672	324,098	406,574	-
35	Urban Transformation Project	1,237,076	-	122,699	1,359,775	470,401	889,374	-
36	UGC Ukleri	456,973	-	-	456,973	418,104	38,869	-
37	Climtrans	3,372	-	-	3,372	-	3,372	-
38	Slum Developers	75,993	-	-	75,993	-	75,993	-
39	RICS Research Trust Project	-	-	619,689	619,689	145,730	473,959	-
40	Impact of Covid 19(Water Security Project)	-	-	6,708,784	6,708,784	5,903,582	385,625	-
41	UKRI Water	(419,577)	-	-	(419,577)	-	-	-
	<b>Total</b>	<b>13,656,742</b>	<b>352,818</b>	<b>28,193,899</b>	<b>41,497,823</b>	<b>24,817,731</b>	<b>17,278,558</b>	<b>598,466</b>

Sd/-	Sd/-	Sd/-
GIRISH KUMAR ASSISTANT REGISTRAR (A&B)	VIRENDRA KUMAR DEPUTY REGISTRAR (A&B)	UMAKANT AGARWAL REGISTRAR
		PROF. DR. P.S.N. RAO DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021**

S. No	DESCRIPTION	Rate of Dep.	GROSS BLOCK				DEPRECIATION			NET BLOCK		(Amount Rs.)	
			Cost/valuation As at beginning of the year	Addition during the year	Deductions during the year	Cost/valuation at the year-end	As at the beginning of the year	During the year	Deducti ons during the year	Total up to the year-end	As at the Current year-end		As at the Previous year-end
<b>A</b>	<b>TANGIBLE ASSETS</b>												
<b>a</b>	<b>Land</b>												
1	Land (Leasehold)	0%	20,197,098	-	-	-	20,197,098	-	-	-	-	20,197,098	20,197,098
	<b>Total (a)</b>		<b>20,197,098</b>				<b>20,197,098</b>					<b>20,197,098</b>	<b>20,197,098</b>
<b>b</b>	<b>Building</b>												
1	Planning	2%	57,791,944	-	-	-	57,791,944	-	1,155,839	-	19,071,447	38,720,497	39,876,336
2	Architecture	2%	29,562,831	-	-	-	29,562,831	-	591,257	-	8,209,485	21,353,346	21,944,603
3	M.B. Complex	2%	63,370,287	-	-	-	63,370,287	-	1,267,406	-	29,577,120	33,793,167	35,060,573
	<b>Total (b)</b>		<b>150,725,062</b>				<b>150,725,062</b>		<b>3,014,501</b>		<b>56,858,052</b>	<b>93,867,010</b>	<b>96,881,511</b>
<b>c</b>	<b>Fixed Assets</b>												
1	Office Equipment	7.5%	57,391,823	549,559	-	-	57,941,382	-	434,492	-	52,582,643	5,358,739	5,243,672
2	Computer Peripherals	20%	125,184,891	3,178,833	-	-	128,363,724	-	1,032,165	-	124,235,065	4,128,659	1,981,991
3	Furniture/Fixture/Fitting	7.5%	34,860,052	534,583	-	-	35,394,635	-	126,547	-	33,833,885	1,560,750	1,152,714
4	Vehicles	10%	2,698,207	-	33,286	-	2,664,921	-	5,516	-	2,615,280	49,641	88,443
5	Library Books & Journals	10%	57,934,873	2,164,483	1,000	-	60,098,356	-	668,883	-	54,078,410	6,019,946	4,525,345
6	Gifted Books Of Journals	10%	146,036	4,000	-	-	150,036	-	15,004	-	108,054	41,982	52,986
7	Consultancy Fixed Asset	10%	72,944	-	-	-	72,944	-	7,294	-	26,039	46,905	54,200
	<b>Total (c)</b>		<b>278,288,826</b>	<b>6,431,458</b>	<b>34,286</b>		<b>284,685,988</b>		<b>2,289,900</b>		<b>267,479,376</b>	<b>17,206,622</b>	<b>13,099,350</b>
	<b>Grand Total (A+a+b+c)</b>		<b>449,210,986</b>	<b>6,431,458</b>	<b>34,286</b>		<b>455,608,158</b>		<b>5,304,402</b>		<b>324,337,428</b>	<b>131,270,730</b>	<b>130,177,960</b>
<b>B</b>	<b>CAPITAL WORK IN PROGRESS</b>												
	Development of Vasant Kunj (W.I.P.)	0%	13,054,243	25,012	-	-	13,079,255	-	-	-	-	13,079,255	13,054,243
	<b>Total (B)</b>		<b>13,054,243</b>	<b>25,012</b>	<b>-</b>	<b>-</b>	<b>13,079,255</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13,079,255</b>	<b>13,054,243</b>
	<b>Grand Total (A+B)</b>		<b>462,265,229</b>	<b>6,456,470</b>	<b>34,286</b>		<b>468,687,413</b>		<b>5,304,402</b>		<b>324,337,428</b>	<b>144,349,985</b>	<b>143,232,203</b>
	Previous Year		450,536,950	11,786,115	57,836		462,265,229		7,344,200		319,033,027	143,232,203	138,848,124

Sd/-  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. P.S.N. RAO  
DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021**

Particulars		FUND-WISE BREAKUP			Previous Year Total
		Endowment Fund	Current Year Consultancy Fund	Total	
1	In Central Government Securities	-	-	-	-
2	In State Government Securities	-	-	-	-
3	Other approved Securities	-	-	-	-
4	Shares	-	-	-	-
5	Debentures and Bonds	-	-	-	-
6	Terms Deposits with Banks	-	-	-	-
7	Others - Investments	1,969,052	25,037,148	27,006,200	25,540,796
	<b>Total</b>	<b>1,969,052</b>	<b>25,037,148</b>	<b>27,006,200</b>	<b>25,540,796</b>

(Amount Rs.)

Sd/-  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. P.S.N. RAO  
DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021**

	Particulars	Current Year			Previous Year Total
		School	Consultancy Fund	Total	
1	In Central Government Securities	-	-	-	-
2	In State Government Securities	-	-	-	-
3	Other approved Securities	-	-	-	-
4	Shares	-	-	-	-
5	Debentures and Bonds	-	-	-	-
6	Investments - Others	178,270,829	-	178,270,829	168,000,000
	<b>Total</b>	<b>178,270,829</b>	<b>-</b>	<b>178,270,829</b>	<b>168,000,000</b>

Sd/-  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. P.S.N. RAO  
DIRECTOR



**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021**

	Particulars	Current Year		(Amount Rs.)		
		School	Consultancy Fund	Total	Previous Year	
					Total	
<b>1. Stocks</b>						
a) Stores and Spares		-	-	-	-	-
b) Loose Tools		-	-	-	-	-
c) Publications		-	-	-	-	-
d) Stationery		-	-	-	-	-
<b>2. Sundry Debtors</b>						
a) Debts Outstanding for a period exceeding six months		-	-	-	-	-
b) Others		-	-	-	-	-
<b>3. Cash and Bank Balances</b>						
a) Imprest		191,698	-	191,698	-	140,055
b) Cash Balance in hand		-	-	-	-	-
<b>Bank Balances:</b>						
a) With Scheduled Banks:						
-Saving Accounts		202,845,036	29,328,701	232,173,736		89,169,231
-Foreign Currency Account		11,569,535	-	11,569,535		11,574,687
b) With non-scheduled Banks:						
-On Deposit Accounts		-	-	-	-	-
-On Saving Accounts		-	-	-	-	-
<b>5. Post Office-Savings Accounts</b>						
-Postage in Hand		-	-	-	-	-
<b>Total</b>		<b>214,606,269</b>	<b>29,328,701</b>	<b>243,934,970</b>		<b>100,883,973</b>

Sd/-  
**GIRISH KUMAR**  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-  
**VIRENDRA KUMAR**  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-  
**UMAKANT AGARWAL**  
 REGISTRAR

Sd/-  
**PROF. DR. P.S.N. RAO**  
 DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021**

Particulars	(Amount Rs.)		
	Current Year		Previous Year
	School	Consultancy Fund	Total
1. Advances to Employees : (Non Interest Bearing)			
a) Salary	-	-	-
b) Festival	203,636	-	203,636
c) Bicycle Advance	67,800	-	67,800
d) LTC Advance	(173,668)	-	(173,668)
e) T A Advance	9,546,440	-	9,546,440
2. Long Term Advances to Employees : (Interest Bearing)			
a) Vehicle Loan	54,750	-	54,750
b) Home Loan	277,480	-	277,480
c) Others			
Computer Advance	46,820	-	46,820
Conveyance Advance	-	-	500
Fan Advance	3,550	-	3,550
3. Advances and other amounts recoverable in cash or in kind or for value to be received			
a) On Capital Account	-	-	-
b) To Suppliers	-	-	-
c) Advances and other recoverables from Consultancy Cell			
d) Departmental Advance	39,901,811	4,389,611	4,389,611
e) Others			
- Amount Recoverable From DASA	499,700	-	499,700
- Other Funds	338,225	-	338,225
4. Prepaid Expenses			
a) Insurance	-	-	-
b) Other Expenses	-	-	-
c) On Loans & Advances	-	-	-

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2021**

Particulars	Current Year		Previous Year
	School	Consultancy Fund	
5. Deposits			
a) Telephone	38,582	-	38,582
b) Lease Rent	200,000	-	200,000
c) Electricity	24,750	-	24,750
6. Income Accrued			
a) On Investments from Earmarked/Endowment Funds	101,265	-	101,265
b) On Investments - Others	1,514,269	-	1,514,269
c) On Loans & Advances	-	-	-
d) TDS Receivable	1,373,641	-	1,373,641
7. Other- Current assets receivable from UGC/Sponsored Projects			
a) Debit balances in Sponsored Projects	598,466	-	598,466
b) Debit balances in Sponsored Fellowships & Scholarships	56,287	-	56,287
c) Grant Receivable	-	-	-
d) SPA fees receivable	95,204	-	95,204
8. Claims Receivable			
a) Research Projects	216,447	-	216,447
b) Others/Receivables	193,021	-	193,021
<b>Total</b>	<b>55,178,475</b>	<b>4,389,611</b>	<b>59,568,086</b>
			<b>58,982,752</b>

Sd/-  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. P.S.N. RAO  
DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2021**

Particulars		Current Year		Previous Year		Total
		Recurring	Non Recurring	Recurring	Non Recurring	
<b>SCHEDULE 9 - ACADEMIC RECEIPTS</b> (Amount Rs.)						
<b>FEES FROM STUDENTS</b>						
<b>Academic</b>						
Tuition Fee	72,881,345	-	72,881,345	61,842,848	-	61,842,848
Admission Fee/Application	3,042,671	-	3,042,671	3,433,100	-	3,433,100
Enrolment Fee	2,391,000	-	2,391,000	2,114,000	-	2,114,000
Academic Support Fees	9,882,650	-	9,882,650	8,329,000	-	8,329,000
Registration Fee	1,018,000	-	1,018,000	984,000	-	984,000
Games Fees	669,700	-	669,700	552,600	-	552,600
Self Financing Fees	16,596,412	-	16,596,412	28,186,617	-	28,186,617
Electricity & Water Charges (Hostel)	2,236	-	2,236	3,186,000	-	3,186,000
Readmission Fees	28,000	-	28,000	21,000	-	21,000
<b>Total (A)</b>	<b>106,512,014</b>	-	<b>106,512,014</b>	<b>108,649,165</b>	-	<b>108,649,165</b>
<b>Examinations</b>						
Marksheet, Certificate Fees	114,500	-	114,500	90,400	-	90,400
Entrance Examination Fees	-	-	-	-	-	-
<b>Total (B)</b>	<b>114,500</b>	-	<b>114,500</b>	<b>90,400</b>	-	<b>90,400</b>
<b>Other Fees</b>						
Fine and Loss Charges	163,167	-	163,167	415,183	-	415,183
Migration Cert./ Degree Yrf./ Transcript/ Convocation	572,500	-	572,500	332,309	-	332,309
<b>Total (C)</b>	<b>735,667</b>	-	<b>735,667</b>	<b>747,492</b>	-	<b>747,492</b>
<b>Sale of Publications</b>						
Sale of Journals/Tender forms	12,389	-	12,389	94,384	-	94,384
<b>Total (D)</b>	<b>12,389</b>	-	<b>12,389</b>	<b>94,384</b>	-	<b>94,384</b>
<b>GRAND TOTAL (A+B+C+D)</b>	<b>107,374,571</b>	-	<b>107,374,571</b>	<b>109,581,441</b>	-	<b>109,581,441</b>

Sd/-  
**GIRISH KUMAR**  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-  
**VIRENDRA KUMAR**  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-  
**UMAKANT AGARWAL**  
 REGISTRAR

Sd/-  
**PROF. DR. P.S.N. RAO**  
 DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2021**

Particulars	Current Year			Previous Year			(Amount Rs.)
	Recurring	Non Recurring	Total	Recurring	Non Recurring	Total	
	Balance B/F	-	-	-	-	-	
Add : Receipts during the year	545,700,000	-	545,700,000	519,000,000	-	519,000,000	519,000,000
<b>Total</b>	<b>545,700,000</b>	<b>-</b>	<b>545,700,000</b>	<b>519,000,000</b>	<b>-</b>	<b>519,000,000</b>	<b>519,000,000</b>
Less : Refund to UGC	-	-	-	-	-	-	-
Balance	545,700,000	-	545,700,000	519,000,000	-	519,000,000	519,000,000
Less: Utilised for Capital Expenditure (A)	-	-	-	-	-	-	-
<b>Balances</b>	<b>545,700,000</b>	<b>-</b>	<b>545,700,000</b>	<b>519,000,000</b>	<b>-</b>	<b>519,000,000</b>	<b>519,000,000</b>
Less: Utilised for Revenue Expenditure (B)	545,700,000	-	545,700,000	519,000,000	-	519,000,000	519,000,000
<b>Balance C/F (C)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Sd/-  
 GIRISH KUMAR  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-  
 VIRENDRA KUMAR  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-  
 UMAKANT AGARWAL  
 REGISTRAR

Sd/-  
 PROF. DR. P.S.N. RAO  
 DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2021**

Particulars	Current Year		Previous Year		(Amount Rs.)
	Recurring	Non Recurring	Recurring	Non Recurring	
	Total	Total	Total	Total	
1 On Bank Interest	10,009,482	-	10,009,482	-	7,369,127
2 On Loans					
- Employee s/Staff	75,214	-	75,214	-	361,686
- Others	-	-	-	-	-
<b>Total</b>	<b>10,084,696</b>	<b>-</b>	<b>10,084,696</b>	<b>-</b>	<b>7,730,813</b>

Sd/-  
**GIRISH KUMAR**  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-  
**VIRENDRA KUMAR**  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-  
**UMAKANT AGARWAL**  
 REGISTRAR

Sd/-  
**PROF. DR. P.S.N. RAO**  
 DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2021**

Particulars		Current Year		Previous Year		(Amount Rs.)
		Recurring	Non Recurring	Recurring	Non Recurring	
<b>A. Income from Land and Building</b>						
1	Hostel Room Rent	(3,842)	-	(3,842)	-	7,088,453
2	Canteen Rent	15,105	-	15,105	-	17,400
3	Guest Room Rent	10,715	-	10,715	-	244,850
4	Rent from Others	-	-	-	-	213,173
5	Licence Fees	320,090	-	320,090	-	228,582
6	Electricity Charges recovered	835,560	-	835,560	-	1,164,737
7	Water Charges recovered	32,245	-	32,245	-	73,801
	<b>Total (A)</b>	<b>1,209,873</b>	<b>-</b>	<b>1,209,873</b>	<b>-</b>	<b>9,030,996</b>
<b>B. Others</b>						
1	Income from Consultancy	5,890,562	-	5,890,562	-	5,819,921
2	RTI Fees	120	-	120	-	350
3	Income from Royalty	-	-	-	-	-
4	Sale of Application Form (Recruitment)	-	-	-	-	-
5	Sale of Owned assets	-	-	-	-	7,515
6	Recruitment Fees	558,823	-	558,823	-	2,388,700
7	CGHS Subscription	-	-	-	-	-
8	Others	-	-	-	-	-
-	Income Tax Refund	2,521	-	2,521	-	-
-	Miscellaneous	50,062	-	50,062	-	271,605
-	Miscellaneous Recovery	77,522	-	77,522	-	178,252
-	Stale Cheques Written off	-	-	-	-	6,224,810
-	Penalty and Rebate Income	-	-	-	-	-
-	Workshop/Seminar	495,000	-	495,000	-	-
	<b>Total (B)</b>	<b>7,074,610</b>	<b>-</b>	<b>7,074,610</b>	<b>7,515</b>	<b>14,891,153</b>
	<b>Grand Total (A+B)</b>	<b>8,284,483</b>	<b>-</b>	<b>8,284,483</b>	<b>7,515</b>	<b>23,922,149</b>

Sd/-

**GIRISH KUMAR**  
ASSISTANT REGISTRAR  
(A&B)

Sd/-

**VIRENDRA KUMAR**  
DEPUTY REGISTRAR  
(A&B)

Sd/-

**UMAKANT AGARWAL**  
REGISTRAR

Sd/-

**PROF. DR. P.S.N. RAO**  
DIRECTOR



**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2021**

Particulars	Current Year		Previous Year		(Amount Rs.)
	Recurring	Non Recurring	Recurring	Non Recurring	
	Total	Total	Total	Total	
Salaries and Wages	150,867,285	-	150,867,285	-	211,212,527
Allowances & Bonus	60,444,170	-	60,444,170	-	54,264,900
Contribution to GPF/CPF and NPS	7,991,800	-	7,991,800	-	6,701,791
Retirement and Terminal Benefits	88,613,447	-	88,613,447	-	109,374,585
Medical Facility	8,556,850	-	8,556,850	-	7,775,985
Honorarium	3,276,785	-	3,276,785	-	1,981,889
Personal Development Allowance	4,903,355	-	4,903,355	-	7,315,476
Other	1,971,246	-	1,971,246	-	1,941,118
CGHS Contribution	-	-	-	-	1,886,498
DA Arrears	40,132,290	-	40,132,290	-	34,771,517
Pay of Part Time Officers (Visiting Faculty)	2,433,500	-	2,433,500	-	4,206,500
Conveyance reimbursement to Visiting Faculty	9,070,546	-	9,070,546	-	-
Interest on GPF CPF	-	-	-	-	-
<b>Total</b>	<b>378,261,274</b>	<b>-</b>	<b>378,261,274</b>	<b>-</b>	<b>441,432,786</b>

Sd/-  
**GIRISH KUMAR**  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-  
**VIRENDRA KUMAR**  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-  
**UMAKANT AGARWAL**  
 REGISTRAR

Sd/-  
**PROF. DR. P.S.N. RAO**  
 DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2021**

Particulars	Current Year				Previous Year		(Amount Rs.)
	Recurring	Non Recurring	Total	Recurring	Non Recurring	Total	
	a) Expenses on Seminar/ Workshops	340,820	-	340,820	449,419	-	
b) Remuneration to Paper Setter	-	-	-	275,420	-	275,420	
c) Convocation Expenses	865,772	-	865,772	2,865,292	-	2,865,292	
d) Stipend/means-cum-merit scholarship	54,213,967	-	54,213,967	40,956,250	-	40,956,250	
e) Others							
- Prizes and Medals	90,388	-	90,388	133,714	-	133,714	
- Exhibition/Foundation Day	-	-	-	-	-	-	
<b>Total</b>	<b>55,510,947</b>	<b>-</b>	<b>55,510,947</b>	<b>44,680,095</b>	<b>-</b>	<b>44,680,095</b>	

Sd/-  
 GIRISH KUMAR  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-  
 VIRENDRA KUMAR  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-  
 UMAKANT AGARWAL  
 REGISTRAR

Sd/-  
 PROF. DR. P.S.N. RAO  
 DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2021**

Particulars	Current Year		Total	Previous Year		Total
	Recurring	Non-Recurring		Recurring	Non-Recurring	
	(Amount Rs.)					
<b>A. Infrastructure</b>						
(a) Electricity and Power	7,935,310	-	7,935,310	14,058,175	-	14,058,175
(b) Water Charges	5,875,791	-	5,875,791	5,268,989	-	5,268,989
(c) Rent, Rates and Taxes - Property Tax	7,943,548	-	7,943,548	4,173,377	-	4,173,377
(d) MSW Charges	119,239	-	119,239	165,200	-	165,200
<b>B. Communication</b>						
(e) Postage Charges	65,559	-	65,559	133,575	-	133,575
(f) Telephone, Fax and Internet Charges	202,848	-	202,848	3,034,808	-	3,034,808
<b>C. Others</b>						
(g) Printing, Photocopy & Stationary	1,708,481	-	1,708,481	3,624,304	-	3,624,304
(h) Travelling and Conveyance Expenses	1,221,014	-	1,221,014	6,196,779	-	6,196,779
(i) Professional and Legal Charges	2,287,231	-	2,287,231	1,675,591	-	1,675,591
(j) Advertisement and Publicity	2,744,191	-	2,744,191	3,343,441	-	3,343,441
(k) Magazines & Journals	92,519	-	92,519	164,459	-	164,459
(l) Others						
- Bank Charges	62,045	-	62,045	299,523	-	299,523
- Audit Fees	125,600	-	125,600	119,890	-	119,890
- Consumables Articles for Audio Visuals/Lab	1,977	-	1,977	30,600	-	30,600
- Liveries	74,030	-	74,030	3,791	-	3,791
- Membership Fees	446,099	-	446,099	766,307	-	766,307
- Other Contingent Charges	958,997	-	958,997	885,297	-	885,297
- Refreshment Charges	302,813	-	302,813	951,347	-	951,347
- Manpower & Security Agencies	48,007,958	-	48,007,958	59,779,434	-	59,779,434
- Participation of Staff in International Conference	-	-	-	2,500	-	2,500
- Other Administrative Expenses	584,029	-	584,029	1,101,734	-	1,101,734
<b>Total</b>	<b>80,759,279</b>	<b>-</b>	<b>80,759,279</b>	<b>105,779,120</b>	<b>-</b>	<b>105,779,120</b>

Sd/-  
**GIRISH KUMAR**  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-  
**VIRENDRA KUMAR**  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-  
**UMAKANT AGARWAL**  
 REGISTRAR

Sd/-  
**PROF. DR. P.S.N. RAO**  
 DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2021**

Particulars	Current Year		Total	Previous Year		Total
	Recurring	Non Recurring		Recurring	Non Recurring	
	(Amount Rs.)					
1. Vehicles (owned by institution)						
a) Running Expenses	-	-	-	-	-	-
b) Repair and Maintenance	52,887	-	52,887	197,518	-	197,518
c) Insurance expenses	-	-	-	-	-	-
2. Vehicles taken on rent/lease						
a) Rent/lease expenses	-	-	-	-	-	-
3. Vehicle (Taxi) hiring expenses	-	-	-	-	-	-
<b>Total</b>	<b>52,887</b>	<b>-</b>	<b>52,887</b>	<b>197,518</b>	<b>-</b>	<b>197,518</b>

Sd/-  
**GIRISH KUMAR**  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-  
**VIRENDRA KUMAR**  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-  
**UMAKANT AGARWAL**  
 REGISTRAR

Sd/-  
**PROF. DR. P.S.N. RAO**  
 DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2021**

Particulars	SCHEDULE 17 - REPAIR AND MAINTAINANCE (Amount Rs.)			
	Current Year		Previous Year	
	Recurring	Non Recurring	Recurring	Non Recurring
Total	Total	Total	Total	
a) Building	1,760,218	-	5,116,924	-
b) Furniture and Fixtures	1,763	-	9,617	-
c) Electrical Goods	330,632	-	762,997	-
d) Repair and Maintenance of Office Equipment	1,862,168	-	2,401,446	-
e) Computers	1,529,358	-	2,877,536	-
f) Cleaning Material & Services	322,738	-	48,577	-
g) Book Binding Charges	13,419	-	30,591	-
h) Gardening	32,750	-	-	-
<b>Total</b>	<b>5,853,046</b>	<b>-</b>	<b>11,247,688</b>	<b>-</b>
			<b>11,247,688</b>	<b>11,247,688</b>

Sd/-  
**GIRISH KUMAR**  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-  
**VIRENDRA KUMAR**  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-  
**UMAKANT AGARWAL**  
 REGISTRAR

Sd/-  
**PROF. DR. P.S.N. RAO**  
 DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2021**

**SCHEDULE 18 - OTHER EXPENSES**

Particulars	Current Year			Previous Year		
	Recurring	Non Recurring	Total	Recurring	Non Recurring	Total
a) Subsidy to SPA Mess	11,500,000	-	11,500,000	8,597,586	-	8,597,586
b) Other Expense						
- Sanitary Goods	205,008	-	205,008	326,843	-	326,843
- Sports Goods	-	-	-	579,138	-	579,138
<b>Total</b>	<b>11,705,008</b>	<b>-</b>	<b>11,705,008</b>	<b>9,503,567</b>	<b>-</b>	<b>9,503,567</b>

(Amount Rs.)

Sd/-

GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-

VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

Sd/-

UMAKANT AGARWAL  
REGISTRAR

Sd/-

PROF. DR. P.S.N. RAO  
DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
RECEIPT AND PAYMENT FOR THE PERIOD 01.04.2020 TO 31.03.2021**

		(Amount Rs.)				
RECEIPTS		CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR	PREVIOUS YEAR
<b>I</b>	<b>Opening Balance</b>			<b>I</b>	<b>Expenses</b>	
	a) Cash-in-hand	-	25,356		Establishment Expenses	70,170,178
	b) Bank Balances				Academic Expenses	52,537,016
	Saving Bank Accounts	89,169,231	205,441,339		Administrative Expenses	24,136,221
	Foreign Exchange Account	11,574,687	29,588,469		Repair & Maintenance Expenses	3,405,007
	Postage in hand	-	-			2,136,049
<b>II</b>	<b>Grants Received</b>			<b>II</b>	<b>Amount spent on sponsored projects</b>	31,390,967
	a) From Government of India				<b>Advances/payment to parties</b>	450,369,056
	Grant Received-Ministry of Education	545,700,000	519,000,000		<b>Investments and deposits made</b>	661,816
	Grants Received-Ministry of Education (Capital Grant)	-	20,000,000		Out of Earmarked/Endowment funds	1,441,076
<b>III</b>	<b>Academic Receipts</b>				Out of Own Funds (Investments - Others)	169,413,347
	Academic Receipts-Fees and Subscription	109,764,491	108,567,045		<b>Expenditure on Fixed Assets &amp; Capital Work in Progress</b>	
<b>IV</b>	<b>Receipts against Earmarked /Endowment Fund</b>	1,525	602,200		Purchase of Fixed Assets	4,107,254
<b>V</b>	<b>Income on Fixed Assets</b>				Expenditure on Capital Work in Progress	11,011,218
	Sale of Fixed Assets	34,286	46,089		Expenditure on Grant & Subsidies	8,597,586
<b>VI</b>	Receipts against Sponsored Projects/ Schemes	25,178,737	26,514,201		Amount Payable to GPF/CPF/NPS	12,051,989
<b>VII</b>	Receipts against Sponsored Fellowships & Scholarship	16,795,075	17,763,125		Refundable deposits from students	7,167,007
<b>VIII</b>	Contractor's Earnest Money/ Security Deposits	509,360	726,560		SPA Fee Receivable	-
<b>IX</b>	Amount recoverable from GPF/CPF & NPS	-	-		Contractor's Earnest Money/ Security Deposits	277,574
<b>X</b>	<b>Interest Received on</b>				Advances given	14,501,628
	Interest Received-On Bank Deposits (Saving)	1,209,394	6,348,936		<b>Closing Balances</b>	
	On Bank Deposits (FDR)	-	-		a) Cash in hand	-
	Interest on Advance	17,500	208,094		b) Bank Balances	232,173,736
	Interest On Endowment Fund	-	4,826		-Saving Bank Accounts	89,169,231
<b>XI</b>	Stale Cheques	647,251	247,829		-Foreign Exchange Account	11,574,687
<b>XII</b>	Term Deposits with Scheduled Banks Encashed	-	-			
<b>XIII</b>	Any other receipts	3,951,639	10,662,069			
<b>XIV</b>	Sundry Creditors	53,332	20,000			



**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
RECEIPT AND PAYMENT FOR THE PERIOD 01.04.2020 TO 31.03.2021**

(Amount Rs.)

RECEIPTS		CURRENT YEAR	PREVIOUS YEAR	PAYMENTS		CURRENT YEAR	PREVIOUS YEAR
XV	Advances Adjusted	3,367,400	8,480,882				
XVI	Consultancy Receipts	7,363,202	7,274,901				
	<b>Total</b>	<b>815,317,110</b>	<b>961,521,921</b>		<b>Total</b>	<b>815,317,110</b>	<b>961,521,921</b>

**Compiled on the basis of books of accounts Produced before us.**

**For SUNDER SHARMA & CO.  
CHARTERED ACCOUNTANTS**

FRN No: 008629N

**Sd/-**  
CA SUNDER KUMAR SHARMA  
PARTNER  
UDIN : 21087495AAAAACO5190

**Sd/-**  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

**Sd/-**  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

**Sd/-**  
UMAKANT AGARWAL  
REGISTRAR

**Sd/-**  
PROF. DR. P.S.N. RAO  
DIRECTOR

PLACE: NEW DELHI  
DATE: 12<sup>th</sup> July, 2021

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
BALANCE SHEET OF GENERAL/CONTRIBUTORY PROVIDENT FUND AS ON 31.03.2021**

		(Amount Rs.)			
LIABILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS	CURRENT YEAR	PREVIOUS YEAR
<b>G.P.F. Fund</b>			<b>INVESTMENTS</b>		
<b>Opening Balance</b>	<b>203,350,220</b>	<b>174,416,161</b>	Fixed Deposit Scheme (GPF and CPF)	160,693,797	152,543,134
<b>Additions:</b>			Interest Accrued on Fixed Deposits	3,492,517	3,636,916
G.P.F. Subscription	36,084,500	35,746,600	Advance recoverable from GPF	1,385,935	1,385,935
G.P.F. Advance	1,503,969	1,511,753	Amount Recoverable from SPA	7,769,874	7,053,059
G.P.F. Interest	15,320,813	14,412,058	TDS Receivable	1,702,495	905,251
<b>Deductions:</b>			<b>Special Deposit Scheme:</b>		
Full & Final Payments/Withdrawals by staff	16,227,735	22,858,522	G.P. Fund	14,900,720	14,900,720
Adjustments of Reverse Entries		72,715	C.P. Fund	-	4,287,201
Transfer to Interest Reserve account		49,455	<b>Bank Balance</b>		
<b>Closing balance of GPF Fund</b>	<b>240,031,767</b>	<b>203,350,220</b>	G.P. Fund Account	36,344,002	14,232,096
			C.P. Fund Account	4,088,712	423,470
			Allahabad Bank Account	11,937,770	10,925,720
<b>C.P.F. Fund</b>					
<b>Opening Balance</b>	<b>11,149,326</b>	<b>20,124,454</b>			
<b>Additions:</b>					
C.P.F. Subscription	534,875	1,838,934			
C.P.F. Contribution	833,063	544,697			
C.P.F. Advance		-			
<b>C.P.F. Interest:</b>					
Contribution	164,852	421,670			
Subscription	273,633	1,012,425			
<b>Deductions:</b>					
C.P.F. Subscription	6,256,867	9,722,741			
C.P.F. Contribution	4,414,827	3,018,810			
Transfer to Interest Reserve account	<b>2,284,055</b>	<b>11,149,326</b>			
<b>Interest Reserve Account</b>					
<b>Opening Balance</b>	<b>(4,202,045)</b>	<b>987,356</b>			
<b>Additions:</b>					
Transfer from CPF	-	51,302			

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
BALANCE SHEET OF GENERAL/CONTRIBUTORY PROVIDENT FUND AS ON 31.03.2021**

	(Amount Rs.)		
LIABILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS
Transfer from GPF	-	(49,455)	
Less: Deficit over income	(4,868,501)	(5,191,248)	
Add: Shortfall of Interest recoverable from School	9,070,546	(4,202,045)	
Closing Balance	-	-	
<b>Total</b>	<b>242,315,823</b>	<b>210,297,502</b>	<b>Total</b>
			<b>242,315,823</b>
			<b>210,297,502</b>

**Compiled on the basis of books of accounts Produced before us.**

**For SUNDER SHARMA & CO.  
CHARTERED ACCOUNTANTS**

FRN No: 008629N

**Sd/-**  
CA SUNDER KUMAR SHARMA  
PARTNER  
UDIN : 21087495AAAAA05190

**Sd/-**  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

**Sd/-**  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

**Sd/-**  
UMAKANT AGARWAL  
REGISTRAR

**Sd/-**  
PROF. DR. P.S.N. RAO  
DIRECTOR

PLACE: NEW DELHI  
DATE: 12<sup>th</sup> July, 2021

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
INCOME & EXPENDITURE ACCOUNT OF GENERAL/CONTRIBUTORY PROVIDENT FUND FOR THE  
YEAR ENDING 31.03.2021**

		(Amount Rs.)			
EXPENDITURE	CURRENT YEAR	PREVIOUS YEAR	INCOME	CURRENT YEAR	PREVIOUS YEAR
Interest Credited to			Interest earned on Fixed Deposits	10,099,429	9,337,019
GPF Account	15,320,813	14,412,058	Interest received on Saving Bank	792,551	1,318,849
CPF Account	438,485	1,434,095			
Bank Charges	1,183	963			
Excess of income over Expenditure	(4,868,501)	(5,191,248)			
<b>Total</b>	<b>10,891,980</b>	<b>10,655,868</b>	<b>Total</b>	<b>10,891,980</b>	<b>10,655,868</b>

34

**Compiled on the basis of books of accounts Produced before us.**

**For SUNDER SHARMA & CO.  
CHARTERED ACCOUNTANTS**

FRN No: 008629N

**Sd/-**  
CA SUNDER KUMAR SHARMA  
PARTNER  
UDIN : 21087495AAAAAC05190

**Sd/-**  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

**Sd/-**  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

**Sd/-**  
UMAKANT AGARWAL  
REGISTRAR

**Sd/-**  
PROF. DR. P.S.N. RAO  
DIRECTOR

PLACE: NEW DELHI  
DATE: 12<sup>th</sup> July, 2021

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**RECEIPT AND PAYMENT OF GENERAL/CONTRIBUTORY PROVIDENT FUND FOR THE PERIOD**  
**01.04.2020 TO 31.03.2021**

S.NO.		RECEIPTS	CURRENT YEAR		S.NO.	PAYMENTS	CURRENT YEAR		PREVIOUS YEAR		(Amount Rs.)	
I.		<b>Opening Balance</b>			I.							
		G.P. Fund	25,161,816				G.P. Fund Subscription		15,356,651			20,694,990
		C.P. Fund	423,470	25,585,286			Interest on GPF subscription				9,722,741	
		G.P. Fund Subscription					C.P. Fund Subscription	6,256,867				3,018,810
		G.P. Fund Interest	36,084,500	36,084,500			C.P. Fund Contribution	4,414,827				12,741,551
II.		C.P. Fund Subscription	507,618		II.							
		C.P. Fund Contribution	63,976	571,594			G.P. Fund Advance		871,084			2,237,072
III.		<b>C.P. Fund Interest</b>			III.							
		(I) Contribution					Investment on FDR's/Special Deposit Scheme					
		(II) Subscription					G.P. Fund					120,999,998
IV.		<b>Encashment of FDR's/Special Deposit Schemes</b>			IV.							
		G.P. Fund					Bank Charges		1,183			963
	C.P. Fund	4,287,201	4,287,201			Closing Balance						
V.		Amount payable to SPA	9,150,000	9,150,075	V.							
		CPF					G.P. Fund	48,281,772				25,161,816
		GSLS	75				C.P. Fund	4,088,711				423,470
											52,370,483	
											25,585,286	

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**RECEIPT AND PAYMENT OF GENERAL/CONTRIBUTORY PROVIDENT FUND FOR THE PERIOD**  
**01.04.2020 TO 31.03.2021**

S.NO.		RECEIPTS	CURRENT YEAR		PREVIOUS YEAR		S.NO.	PAYMENTS	CURRENT YEAR		PREVIOUS YEAR	
VI.		Interest on FDIs/ Saving Bank Account										
		G.P. Fund	1,760,066	1,800,601	6,029,432	6,807,563						
		C.P. Fund	40,535		778,131							
VII.		Interest on Special Deposit Scheme										
		G.P. Fund	287,870	287,870	1,525,378	1,525,378						
		C.P. Fund										
		<b>Total</b>		<b>79,271,096</b>		<b>182,259,820</b>					<b>79,271,096</b>	<b>182,259,820</b>

Compiled on the basis of books of accounts Produced before us.

For SUNDER SHARMA & CO.  
 CHARTERED ACCOUNTANTS

FRN No: 008629N

Sd/-  
 CA SUNDER KUMAR SHARMA  
 PARTNER  
 UDIN : 21087495AAAAA05190

Sd/-  
 GIRISH KUMAR  
 ASSISTANT REGISTRAR  
 (A&B)

Sd/-  
 VIRENDRA KUMAR  
 DEPUTY REGISTRAR  
 (A&B)

Sd/-  
 UMAKANT AGARWAL  
 REGISTRAR

Sd/-  
 PROF. DR. P.S.N. RAO  
 DIRECTOR

PLACE: NEW DELHI  
 DATE: 12<sup>th</sup> July, 2021

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
STATUS OF FDR's AS ON 31st March,2021**

Sl No	Name of the Bank	FDR A/C NO.	Rate of Interest	Period of FDR'S	Date of Issue	Amount(in Rs)	Value of Maturity	Date of Maturity	Accrued interest
1	ALLAHABAD BANK	50510464813	5.00%	12 Months	10-Jan-21	12,734,014	13,382,753	10-Jan-22	124,815
2	ALLAHABAD BANK	50510863363	5.00%	12 Months	12-Jan-21	12,734,142	13,382,887	12-Jan-22	121,730
3	ALLAHABAD BANK	50510893842	5.00%	12 Months	13-Jan-21	12,734,206	13,382,954	13-Jan-22	120,187
4	ALLAHABAD BANK	50514462176	5.00%	12 Months	6-Feb-21	12,729,916	13,378,446	6-Feb-22	77,845
5	ALLAHABAD BANK	50511035588	5.00%	12 Months	14-Jan-21	12,734,270	13,383,022	14-Jan-22	118,643
6	ALLAHABAD BANK	50511286102	5.00%	12 Months	15-Jan-21	12,734,335	13,383,090	15-Jan-22	117,101
7	ALLAHABAD BANK	50511564034	5.00%	12 Months	16-Jan-21	12,734,398	13,383,156	16-Jan-22	115,557
8	ALLAHABAD BANK	50542045840	5.00%	12 Months	25-Jan-21	12,757,669	13,407,613	25-Jan-22	98,317
9	ALLAHABAD BANK	50511885741	5.00%	12 Months	17-Jan-21	12,734,463	13,383,225	17-Jan-22	114,014
10	ALLAHABAD BANK	50512034720	5.00%	12 Months	18-Jan-21	12,734,527	13,383,292	18-Jan-22	112,471
11	ALLAHABAD BANK	50512739345	5.00%	12 Months	23-Jan-21	12,734,848	13,383,629	23-Jan-22	104,755
12	ALLAHABAD BANK	50512908509	5.00%	12 Months	23-Jan-21	12,703,426	13,350,606	24-Jan-22	101,432
13	ALLAHABAD BANK	50513432630	5.00%	12 Months	30-Jan-21	12,735,297	13,384,101	30-Jan-22	93,952
14	ALLAHABAD BANK	50513580134	5.00%	12 Months	31-Jan-21	12,735,318	13,384,123	31-Jan-22	93,448
<b>Total</b>						<b>178,270,829</b>	<b>187,352,897</b>		<b>1,514,269</b>



**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
STATUS OF Endowment FDR's AS ON 31st March, 2021**

Sl No	Name of the Bank	FDR A/C NO.	Name of account	Rate of Interest	Period of FDR's	Date of issue	Amount(in Rs)	Value of Maturity( in Rs.)	Date of Maturity	Accrued interest
1	UCO BANK	18200310062524	J.K. Choudhary Endowment Fund	5.85%	12 Months	13-Apr-20	286,581	303,717	13-Apr-21	16,526
2	ALLAHABAD BANK	50491028230	Narendra Juneja Endowment Fund	5.50%	12 Months	11-Jun-20	42,612	45,004	11-Jun-21	1,920
3	ALLAHABAD BANK	50491112394	Narendra Juneja Endowment Fund	5.50%	12 Months	11-Jun-20	71,030	75,018	11-Jun-21	3,201
4	ALLAHABAD BANK	50491025002	Shreya Anand Endowment Fund	5.50%	12 Months	11-Jun-20	142,047	150,022	11-Jun-21	6,402
5	ALLAHABAD BANK	50491024778	Ved Prakash Memorial Scholarship	5.50%	12 Months	11-Jun-20	17,044	18,001	11-Jun-21	768
6	ALLAHABAD BANK	50490963898	Vandana Goyal Endowment Fund	5.50%	12 Months	11-Jun-20	42,612	45,004	11-Jun-21	1,920
7	ALLAHABAD BANK	50490963876	Vandana Goyal Gold Medal	5.50%	12 Months	11-Jun-20	14,202	14,999	11-Jun-21	640
8	ALLAHABAD BANK	50490961948	Nomi Bose Memorial Award	5.50%	12 Months	11-Jun-20	4,969	5,248	11-Jun-21	224
9	ALLAHABAD BANK	50491112430	M.R. Agnihotri Endowment Fund	5.50%	12 Months	11-Jun-20	28,410	30,005	11-Jun-21	1,280
10	ALLAHABAD BANK	50491112441	T.J. Manikam Memorial Award	5.50%	12 Months	11-Jun-20	85,238	90,024	11-Jun-21	3,842
11	ALLAHABAD BANK	50491112418	S.K. Narayana Endowment Fund	5.50%	12 Months	11-Jun-20	142,061	150,037	11-Jun-21	6,403
12	ALLAHABAD BANK	50491112407	L.R. Vagale & Gouramma Vag	5.50%	12 Months	11-Jun-20	71,030	75,018	11-Jun-21	3,201
13	ALLAHABAD BANK	50491028161	Subhash Paranjape Memorial Award	5.50%	12 Months	11-Jun-20	12,489	13,190	11-Jun-21	563
14	UCO BANK	18200310038055	Krishna Saini Endowment Fund	5.50%	12 Months	27-Jun-20	17,657	18,648	27-Jun-21	752
15	UCO BANK	18200310041093	Krishna Saini Endowment Fund	5.45%	12 Months	28-May-20	31,228	32,692	2-Apr-21	1,455
16	CBI BANK	3564959496	SPA Vandana Goyal Award	4.90%	12 Months	9-Sep-20	100,000	100,000	9-Sep-21	2,725
17	UCO BANK	18200310098912	SPA Abhijit De Design Award	4.85%	12 Months	29-Nov-20	284,410	298,457	29-Nov-21	4,695
18	ALLAHABAD BANK	50511662225	SPA M R Agnihotri Award	6.25%	5 years	22-Jan-20	75,200	102,538	22-Jan-25	4,373
19	ALLAHABAD BANK	50506924540	SPA P C Jain Gold Medal Award	6.25%	5 years	7-Dec-19	200,252	273,051	7-Dec-24	11,740
20	ALLAHABAD BANK	50504899183	SPA Siddharth Khitoliya Award	6.25%	5 years	11-Nov-19	300,000	409,062	11-Nov-24	17,632
<b>Total</b>							<b>1,969,052</b>	<b>2,249,735</b>		<b>90,262</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
STATUS OF GPF FDR's AS ON 31st March, 2021**

Sl No	Name of the Bank	FDR A/C NO.	Rate of Interest	Period of FDR's	Date of Issue	Amount(in Rs)	Value of Maturity(in Rs)	Date of Maturity	Accrued Interest
1	UCO BANK	18200310060612	4.90%	1 Year	10-Feb-21	6,110,330	6,415,283	10-Feb-22	40,939
2	ALLAHABAD BANK	50494957372	5.45%	12 Months	15-Jul-20	9,564,600	10,096,621	15-Jul-21	377,516
3	ALLAHABAD BANK	50494811887	5.45%	12 Months	12-Jul-20	9,564,462	10,096,478	12-Jul-21	381,885
4	ALLAHABAD BANK	50494811956	5.45%	12 Months	12-Jul-20	9,564,462	10,096,476	12-Jul-21	381,884
5	ALLAHABAD BANK	50494624069	5.45%	12 Months	11-Jul-20	9,564,416	10,096,427	11-Jul-21	383,339
6	ALLAHABAD BANK	50494624105	5.45%	12 Months	11-Jul-20	9,564,416	10,096,427	11-Jul-21	383,339
7	ALLAHABAD BANK	50494456933	5.45%	12 Months	10-Jul-20	9,564,370	10,096,378	10-Jul-21	384,795
8	ALLAHABAD BANK	50494456944	5.45%	12 Months	10-Jul-20	9,564,370	10,096,378	10-Jul-21	384,795
9	ALLAHABAD BANK	50493733635	5.45%	12 Months	4-Jul-20	9,000,000	9,000,000	4-Jul-21	-
10	ALLAHABAD BANK	50493733715	5.45%	12 Months	4-Jul-20	9,000,000	9,000,000	4-Jul-21	-
11	ALLAHABAD BANK	50477778098	6.45%	12 Months	2-Feb-21	9,737,916	10,234,017	2-Feb-22	140,041
12	UCO BANK	18200310056981	4.90%	12 Months	10-Oct-20	3,864,191	4,057,044	10-Oct-21	90,879
13	ALLAHABAD BANK	50477779433	6.45%	12 Months	2-Feb-21	5,280,310	5,549,308	2-Feb-22	75,936
14	ALLAHABAD BANK	5047777946	6.45%	12 Months	2-Feb-21	3,017,314	3,171,032	2-Feb-22	43,393
15	ALLAHABAD BANK	50477209746	6.50%	12 Months	29-Jan-21	5,280,733	5,549,762	29-Jan-22	78,164
16	ALLAHABAD BANK	50510357346	5.00%	12 Months	11-Jan-21	12,734,077	13,382,819	11-Jan-22	125,891
17	ALLAHABAD BANK	50513374880	5.00%	12 Months	29-Jan-21	12,735,233	13,384,034	29-Jan-22	96,597
18	ALLAHABAD BANK	50513433032	5.00%	12 Months	30-Jan-21	6,367,649	6,692,051	30-Jan-22	47,485
19	ALLAHABAD BANK	50513580214	5.00%	12 Months	31-Jan-21	6,367,658	6,692,060	31-Jan-22	46,476
20	ALLAHABAD BANK	50541959741	5.00%	12 Months	31-Jan-21	2,123,727.00	2,231,921.00	31-Jan-22	14,723
21	ALLAHABAD BANK	50541964864	5.00%	12 Months	1-Feb-21	2,123,563.00	2,231,749.00	31-Jan-22	14,440
<b>Total</b>						<b>160,693,797</b>	<b>168,266,265</b>		<b>3,492,517</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
CONSULTANCY FUND ACCOUNT  
BALANCE SHEET AS ON THE 31ST MARCH 2021**

PREVIOUS YEAR	LIABILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS	CURRENT YEAR
15,702,556	<b>Unspent Balance of Projects</b> (As per Annexure-1 Enclosed)	13,775,093	17,986	<b>Fixed Assets</b>	17,986
3,927,979	Project Receipts Pending for Allocation	5,031,020	30,382	Furniture	30,382
-	<b>School/Institute's Share from Consultancy Fund</b>		24,576	HP - Desktop Computer	24,576
	Opening Balance			HP Laser Jet Printer	72,944
	Add: Transferred to School Share Distribution, Concern Department, PDF & Administrative Expenses	7,697,140	8,259,593	<b>Investment in Fixed Deposits</b>	8,775,070
		-7,697,140	15,389,979	FDR with UCO Bank	16,262,078
1,975,204	<b>School Share Distribution</b>			FDR with Central Bank	25,037,148
	Opening Balance			<b>Current Assets &amp; Loans &amp; Advances</b>	
	Add: Transferred from Consultancy Fund	1,975,204	-	Accrued Interest	12,716
	Less: Transferred to School Main Account	5,387,998	4,136,370	TDS Receivable	2,781,346
		-7,363,202	115,218	GST Input	153,328
10,071,680	<b>Concerned Department/ Centre</b>			Amount recoverable from SPA	1,442,221
	Opening Balance			<b>Bank Balance</b>	
	Add: Transferred from Consultancy Fund	10,071,680	29,906,747	State Bank of India S/B/A/c No. 10310544230	26,405,085
	Less: Paid during the Year	1,179,369	1,295,715	Central Bank of India S/B. A/c No.3406523203	2,923,616
		-51,050			
4,417,629	<b>Personal Development Fund (PDF) Consultants</b>	11,199,999			
	Opening Balance				
	Add: Transferred from Consultancy Fund	4,417,629			
	Less: Paid during the Year	855,065			
		-1,152,672			
569,657	<b>Administrative Expenses fund</b>				
	Opening Balance	569,657			
	Add: Transferred from Consultancy Fund	384,857			
	Less: Paid during the Year	-569,657	384,857		

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
CONSULTANCY FUND ACCOUNT  
BALANCE SHEET AS ON THE 31ST MARCH 2021**

PREVIOUS YEAR	LIABILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS	CURRENT YEAR
21,510,687	<b>Surplus</b>				
	Opening Balance	21,510,687			
	Add: Income during the year	2,657,028			
		24,167,715			
	Less : Expenses incurred during the year	-487,742			
		23,679,973			
	<b>Duties &amp; Taxes</b>				
953,174	GST Payable	615,988			
48,000	T.D.S Payable	21,451			
		637,439			
<b>59,176,567</b>	<b>Total</b>	<b>58,828,404</b>	<b>59,176,567</b>	<b>Total</b>	<b>58,828,404</b>

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Compiled on the basis of books of accounts Produced before us.

For SUNDER SHARMA & CO.  
CHARTERED ACCOUNTANTS

FRN No: 008629N

Sd/-  
CA SUNDER KUMAR SHARMA  
PARTNER  
UDIN : 21087495AAAAACO5190

Sd/-  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. P.S.N. RAO  
DIRECTOR

PLACE: NEW DELHI  
DATE: 12<sup>th</sup> July, 2021

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
CONSULTANCY FUND ACCOUNT  
RECEIPT AND PAYMENT ACCOUNTS FOR THE PERIOD 01.04.2020 TO 31.03.2021**

PREVIOUS YEAR	RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR
	<b>Opening Balance</b>				
24,692,285	- State Bank of India (SB A/c No.10310544230)	29,906,747	37,299,269	Payment/Adjustment during the year as per Annexure enclosed	28,637,459
1,296,390	- Central Bank of India (S.B. A/c No.3406523203)	1,295,715	11,393,149	School Share	7,697,140
37,492,387	Receipts during the Year as per Annexure Enclosed	25,847,077	447,858	Administrative Expenses	487,742
11,393,149	School Share	7,697,140	519,636	Administrative Expenses for Supporting Staff	569,657
2,518,099	Bank Interest from S/B & F.D.R's A/c	2,357,160	1,172,661	T.D.S Receivable	1,175,327
569,657	Administrative Expenses for Supporting Staff	384,857	7,274,901	School Share Distribution	7,363,202
1,074,076	Project Receipts Pending for Allocation	1,103,041	629,675	TDS	419,703
7,975,204	School Share Distribution	5,387,998	785,519	Project Receipts Pending for Allocation	-
637,682	TDS	393,154	6,001,151	Goods & Service tax	5,370,276
6,826,764	Goods & service tax	4,994,980	581,230	P.D.F Consultants	1,152,672
1,139,315	P.D.F Consultants	855,065	438,117	Concerned Department/Centre	51,050
1,708,973	Concerned Department/Centre	1,179,369	889,979	F.D.R's With Central Bank of India	872,099
1,315,200	Miscellaneous Receipts	-	523,369	F.D.R's With UCO Bank	515,477
-	T.D.S Receivable	2,530,351	1,315,200	Miscellaneous Receipts	-
-	Interest on Income tax refund	299,868	-	Interest Accrued On F.D.R's with Bank	12,716
-	Amount Recoverable from SPA	1,387,998	-	Amount Recoverable from SPA	2,830,219
			30,382	HP - Desktop Printer	-

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
CONSULTANCY FUND ACCOUNT  
RECEIPT AND PAYMENT ACCOUNTS FOR THE PERIOD 01.04.2020 TO 31.03.2021**

PREVIOUS YEAR	RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR
930,310	Interest Accrued on F.D.R's with Bank	-	29,906,747	<u>Closing Balance</u> - State Bank of India (SB A/c No.10310544230)	26,405,085
935,066	Adjustment of Project during the Year as per Annexure Enclosed	862,919	1,295,715	- Central Bank of India (S.B. A/c No.3406523203)	2,923,616
<b>100,504,558</b>		<b>86,483,440</b>	<b>100,504,558</b>		<b>86,483,440</b>

Compiled on the basis of books of accounts Produced before us.

For SUNDER SHARMA & CO.

CHARTERED ACCOUNTANTS

FRN No: 008629N

Sd/-  
CA SUNDER KUMAR SHARMA  
PARTNER  
UDIN : 21087495AAAA05190

Sd/-  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-  
VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. P.S.N. RAO  
DIRECTOR

PLACE: NEW DELHI  
DATE: 12<sup>th</sup> July, 2021

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
CONSULTANCY FUND ACCOUNT  
UNSPENT BALANCE AS ON 31ST MARCH, 2021 UNDER PROJECT ACCOUNT**

S.No.	Name of the Projects	Name of the Project Co-ordinator	Unspent Balance as on 01.04.2020	Receipt during the Year 2020-2021	Adjustment/Input Credit of GST during the Year 2020-2021	Total	Payment/Adjustment during the Year 2020-2021	Unspent Balance as on 31.03.2021
1	Nurmalgam Refinery Ltd.	Prof. Dr. P.S.N Rao	192,052	587,996	-	780,048	780,048	-
2	NERE, Shilong	Prof. A.K. Maitra (Retd.)	256,224	-	-	256,224	-	256,224
3	Study on Re-Development of Traditional Old Built-up Areas	Prof. A.K. Maitra (Retd.)	57,364	-	-	57,364	-	57,364
4	Indian School of Mines, Dhanbad	Prof. A.K. Maitra (Retd.)	28,845	-	-	28,845	-	28,845
5	IIT Japur Project	Prof. Anil Dewan	97,408	-	-	97,408	-	97,408
6	IIT Kanpur Project	Prof. Manoj Mathur	188,818	-	-	188,818	-	188,818
7	National School of Drama, NSD's Re-Developments Project	Prof. Anurupa Das Gupta	2,235,516	-	-	2,235,516	-	2,235,516
8	Rejuvenation of Water Bodies, Delhi Cantonment Area Project	Prof. Y. K. Jain	4,210	-	-	4,210	-	4,210
9	Comprehensive Improvement & Drainage & Sewage System, Delhi Cantt. Project	Prof. Y. K. Jain	63,823	-	-	63,823	-	63,823
10	Master Plan of Gogamoh, NHPCC Project	Prof. Dr. R. Biswas	281,716	-	-	281,716	-	281,716
11	Kendriya Vidyalaya Sangathan Project	Prof. Dr. Anura Ramani Grover	1,688	-	-	1,688	-	1,688
12	Dept. of Rural Development and Panchayati Rajasthan, RURBAN MISSION	Prof. Dr. Ashok Kumar	91,563	-	-	91,563	-	91,563
13	Baddi Barotiwala Nalagarh Dev. Auth. Project	Prof. Dr. Mayank Mathur	627,181	-	2,500	627,181	-	627,181
14	Master Plan for Mount Abu Eco-Centre Zone Project	Prof. Dr. Meenakshi Dhote	40,285	-	-	40,285	-	40,285
15	RURBAN MISSION- Harayana Project	Prof. Dr. Ashok Kumar	70,887	690,240	14,100	775,227	775,227	-
16	RURBAN MISSION - Uttar Pradesh Project	Prof. Dr. Ashok Kumar	846,073	-	-	846,073	-	846,073
17	Tourism UP Pro-poor Tourism Development Project	Prof. Dr. Meenakshi Dhote	643,825	-	-	643,825	-	643,825
18	Electrical Creation at URI Delhi Cantt. Project	Prof. Anurupa Das Gupta	168,254	-	-	168,254	-	168,254
19	Heritage Impact Assessment and Preparation of Report for Re-development of Jamia Hamdani University Project	Ms. Anuradha Chaturvedi	164	-	-	164	-	164
20	Heritage Impact Assessment Study of the Delhi Gurugram-Rwaris-SNB Corridor in NCT of Delhi Area Project	Ms. Anuradha Chaturvedi	295,288	-	-	295,288	-	295,288
21	HSIL Ltd. Project	Mr. Parag Anand Meshram & Ms. Aditi Singh	58,500	-	-	58,500	-	58,500
22	O.N.G.C (Vadodara) Project	Prof. Dr. P.S.N Rao	619,287	-	-	619,287	-	619,287
23	PWD Govt. of Maharashtra Project (New Delhi)	Prof. Dr. P.S.N Rao	764,750	-	-	764,750	-	764,750
24	Re-Development of Bhawishya Nidhi Enclave Malviya Nagar Project	Ms. Anuradha Chaturvedi	123	-	-	123	-	123
25	Shri Mata Vaishno Devi Shrine Board, Durga Bhawan Project	Prof. Dr. Mandeep Singh	1,131,955	-	-	1,131,955	-	1,131,955
26	Structural Safety Audit of LHMC Hospital Building Project	Prof. Y. K. Jain	18,000	-	-	18,000	-	18,000
27	Verification Audit for PWDs Facilities in and around Selected Railway Station Project	Prof. Dr. Ashok Kumar	738,417	4,884,315	-	5,622,732	5,622,732	-
28	Augmentation/Alterations to Outer Landscaping and Premises at DUV Vasant Kunj, ONGC Project	Ms. Anand Grover	280,280	477,400	8,800	766,480	501,930	264,550
29	Preparation of Comprehensive Mobility Plan (CMP) for Dwarka K-II, Zone Delhi Development Authority Project.	Prof. Dr. Sanjay Gupta	918,304	1,608,714	33,480	2,550,498	2,557,335	3,163
30	Delhi Cantonment Board Chitrakoot Guest House Project	Prof. Dr. Anura Ramani Grover	222,950	1,737,680	29,960	1,990,590	853,440	1,137,150
31	Delhi Pollution Control Committee Project	Prof. Dr. Meenakshi Dhote	41,681	148,769	2,564	193,014	187,972	5,042
32	Design of Public Facilities Complex, Wazirpur Project	Mr. Parag Anand Meshram	3,367	-	-	3,367	-	3,367
33	DIF Southern Town Ltd. Kalanad Project	Prof. Dr. Mandeep Singh	52,000	-	-	52,000	-	52,000
34	Gurugram Metropolitan Development Project	Prof. Dr. Sanjay Gupta	781,524	1,513,887	34,409	2,329,820	1,378,851	951,069
35	Indian Medical Association Project	Prof. Y. K. Paul	292,500	1,204,650	8,500	1,505,650	1,505,650	-
36	Irrigation Works Circle, Re-development of Ashapath Rishikesh Project	Prof. Manoj Mathur	620,500	289,225	76,800	986,625	808,014	178,611
37	Irrigation Works Circle, Mayapur Hardwar Project	Prof. Manoj Mathur	-	1,736,000	32,000	1,768,000	1,136,625	631,375
38	Namami Gange Programme Project	Prof. Y. K. Paul	1,618,655	-	-	1,618,655	1,598,198	20,457
39	National Institute of Tuberculosis and Respiratory Diseases	Prof. Y. K. Paul	214,500	-	-	214,500	-	214,500
40	NCRTC Project	Prof. Dr. Sanjay Gupta	302,966	-	-	302,966	-	302,966
41	Oil India Project	Prof. Dr. Sanjay Gupta	259,935	-	-	259,935	-	259,935
42	Rural Electrification Corp Township Gurgaon Project	Prof. Dr. Sanjukta Bhaduri	123,941	593,878	762	718,581	271,086	447,495
43	Safety Audit for AIMS- Patna Bihar Project	Prof. Y. K. Paul	200,000	-	-	200,000	-	200,000
44	Shri Mata Vaishno Devi Shrine Board (Equipment)	Prof. Dr. Mandeep Singh	28,937	-	-	28,937	-	28,937
45	Sky Walk CPWD Project	Prof. Dr. Seva Ram	240,300	-	-	240,300	-	240,300



**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
CONSULTANCY FUND ACCOUNT  
UNSPENT BALANCE AS ON 31ST MARCH, 2021 UNDER PROJECT ACCOUNT**

S. No.	Name of the Projects	Name of the Project Co-ordinator	Unspent balance as on 01-04-2020	Receipt during the Year 2020-2021	Adjustment/Input Credit of GST during the year 2020-2021	Total	Payment/Adjustment during the year 2020-2021	Unspent Balance as on 31-03-2021
46	Toolkit Urban Freight Tpt. Project	Prof. Dr. Sanjay Gupta	39,000	-	-	39,000	-	39,000
47	Redevelopment of TIPO Complex at Pragati Maidan project	Prof. Anil Dewan	58,500	216,000	-	274,500	157,500	1,17,000
48	3M Asia Pacific Pte. Ltd. Project	Prof. Dr. Sewa Ram	-	446,283	-	446,283	208,414	237,869
49	BEDF Woodpuram, Weerut Project	Prof. Dr. Manoj Singh	-	70,800	-	70,800	31,800	39,000
50	Conceptualisation of "Better Living by Design" Award, Somya Home Innovation Ltd. Project.	Mr. Parag Anand Meshram & Ms. Aditi Singh	-	79,425	-	79,425	79,425	-
51	Construction of City Centre Phase-II, Delhi Cantonment Board Project	Prof. Dr. Atuna Ramani Grover	-	3,480,000	60,000	3,540,000	1,990,000	1,950,000
52	Electric Crematorium Building at Old Narwal Delhi Cantt. Project	Prof. Dr. Anil Dewan	-	525,927	9,068	534,995	240,295	294,700
53	National Capital Region Planning Board Project	Prof. Dr. P.S.N Rao	-	1,329,125	24,500	1,353,625	617,094	736,531
54	Road Safety Audit Delhi Cantt. Board Equipment A/c	Prof. Dr. Anil Dewan	-	-	316,576	316,576	100,000	216,576
55	Road Safety Audit Delhi Cantt. Board Project	Prof. Dr. Anil Dewan	-	2,923,200	150,400	3,073,600	2,943,180	130,420
56	Verification Audit of Two Police Station in Delhi Project	Prof. Dr. Ashok Kumar	-	118,000	-	118,000	118,000	-
57	Preparation of Concept plan and rough cost estimate for upgradation of IAHE campus at Noida, IAHE Project.	Prof. Dr. Atuna Ramani Grover	-	648,000	-	648,000	432,306	215,694
58	Preparation of Master Plan including Total Station Survey of O.N.G.C. Residential Colony at Noida* O.N.G.C. New Delhi Project	Prof. Dr. P.S.N Rao	-	537,563	-	537,563	537,563	-
	<b>Total (Rs.)</b>		<b>15,702,556</b>	<b>25,847,071</b>	<b>862,919</b>	<b>42,432,552</b>	<b>28,637,459</b>	<b>13,775,093</b>

Sd/-  
PROF. DR. SANJAY GUPTA  
DEAN(R)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. P.S.N. RAO  
DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
CONSULTANCY FUND ACCOUNT**

Annexure - 1

Income earned during the year 2020-21

S. No.	Particulars	Amount (Rs.)
1	Interest on F.D.R's & Saving A/c (Received)	2,357,160
2	Interest on Refund of Income Tax	299,868
<b>Grand Total</b>		<b>2,657,028</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
CONSULTANCY FUND ACCOUNT**

Annexure - 2

Other Administration Expenses Incurred during the year 2020-21

S. No.	Particulars	Amount (Rs.)
1	Audit Fee	110,000
2	Bank Charges	266
3	Interest on Late Payment of GST / TDS / Late filing of Return	4,246
4	Printing & Stationery, Computer Maintenance	17,687
5	Administration expenses	355,543
<b>Grand Total</b>		<b>487,742</b>

## NOTES FORMING PART OF ACCOUNTS OF SPA CONSULTANCY CELL

1. The Annual Accounts of Consultancy Cell have been prepared on the basis of consultancy Rules prescribed by the Ministry of HRD.
2. Accounts have been prepared on the basis of Cash basis of Accounting.
3. As per practice the advance given to Project Coordinator for project activities have been directly deducted from project fund received & balance is shown as unspent Balances of liabilities side.
4. The interest received on FDR's and Saving Bank for Rs. 23,57,160/-. The Consultancy Cell has also deducted Rs 4,87,742/- from this Surplus account for the expenses incurred during the year.
5. The Consultancy receipts under different projects have been shown on the basis of net of Tax Deducted at Source. Tax deducted on Projects has been shown as "Project Receipt pending for Allotment".
6. Goods and service tax liability is assumed at the time when payment is received from the project.
7. Separate Cash Book and Books of Accounts have been maintained for Consultancy Fund.
8. Figures are rounded off to the nearest rupees.
9. Figures of the previous year have been regrouped/ rearranged and recasted wherever considered necessary.
10. Notes are annexed to and from an integral part of the Balance Sheet as at 31-03-2021 and the Receipts and payments for the year ended on that date.

**Compiled on the basis of books of accounts Produced before us.**

**For SUNDER SHARMA & CO.**

**CHARTERED ACCOUNTANTS**

FRN No: 008629N

**Sd/-**

CA SUNDER KUMAR SHARMA  
PARTNER  
UDIN : 21087495AAAACO5190

**Sd/-**

GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

**Sd/-**

VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

**Sd/-**

UMAKANT AGARWAL  
REGISTRAR

**Sd/-**

PROF. DR. P.S.N. RAO  
DIRECTOR

PLACE: NEW DELHI

DATE: 12<sup>th</sup> July, 2021

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF THE FINANCIAL ACCOUNTS FOR THE**  
**YEAR ENDED 31-03-2021**  
**SCHEDULE -19 SIGNIFICANT ACCOUNTING POLICIES**

**1. BASIS FOR PREPARATION OF ACCOUNTS**

The financial statements are prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting.

**2. REVENUE RECOGNITION**

The recognition of the revenue should be on accrual basis. However, the school has not followed the accrual system of accounting policy, as except Interest on FDRS the school is recognising the revenue pertaining to fees from student & Other Incomes are recognised on Cash basis. The School recognise cost on Hybrid System.

**3. FIXED ASSETS & DEPRECIATION**

3.1 Fixed Assets are stated at cost of acquisition including of inward freight, duties and taxes and incidental and direct expenses related to the acquisition, installation and commissioning.

3.2 Gifted/Donated assets are valued at the declared value when available; if not available, the value is estimated biased on the present market value and the physical condition of the asset. They are set-up by credit to Fixed Asset Fund and merged with the Fixed Assets of the School. Depreciation is charged at the rates applicable to the respective assets.

3.3 Assets created out of Earmarked Funds and funds of Sponsored Projects, where the ownership of such assets vests in the School, are setup by credit to Capital Fund and merged with the Fixed Assets of the School. Depreciation is charged at the rates applicable to the respective assets.

3.4 Fixed assets are valued at cost less accumulated depreciation. Depreciation on fixed assets is provided on Straight line method, at the following rates

<b>S. No.</b>	<b>Nature of asset</b>	<b>Rate of depreciation</b>
1.	Land	0%
2.	Site Development	0%
3.	Building	2%
4.	Office Equipment	7.5%
5.	Computer & peripherals	20%
6.	Furniture, Fixtures & Fittings	7.5%
7.	Vehicles	10%
8.	Library books & Scientific Journals	10%

3.5 Depreciation will be charged for the full year in the year of acquisition of the relevant assets. Where an asset is fully depreciated, it will be carried at a residual value of Rs. 1 in the Balance Sheet and will not be further depreciated. Thereafter, depreciation is calculated on the additions of each year separately at the rate of depreciation applicable for that asset head.

3.6 Depreciation for the year on fixed assets of the school has been debited to Fixed Assets/Building Fund in consistent with the fund-based accounting.

#### **4. STOCKS**

No valuation of inventory of closing stock at the end of the financial year is made on account of purchases made of chemicals, glassware, publications, stationery and other stores. All the purchases of these items are recognised as revenue expenditure.

#### **5. RETIREMENT BENEFITS**

Liabilities towards retirement benefits i.e., Pension, Gratuity and Leave Encashment of Employees are not necessary in view of recurring grant towards Non Plan which includes amount payable to employees who retires and includes pension for retired eligible employees for the grant period. Pension contribution received in respect of SPA's employees on deputation is credited to the Provision for Pension Account. Other retirement benefits viz. Contribution to New Pension Scheme, Medical reimbursement to retired employees and Travel to Home Town on retirement are accounted on accrual basis (actual payments plus outstanding bills at the end of the year).

#### **6. INVESTMENTS**

All the investment has been made in the farm of Fixed Deposits in bank. No other types of investment are with the School .

## **7. EARMARKED ENDOWMENT FUNDS**

Earmarked Funds are long term funds earmarked for specific purposes. These funds have also been invested in term deposits with banks. The incomes from investments are booked on accrual basis. The expenditures on the objectives of the funds are debited to the funds. The balances in the funds are carried forward and represented on the assets side by the balance at bank, Investments and accrued interest under the head of current assets.

### **7.1 CORPUS FUND**

- a) Corpus fund was established in 2013-14. The Executive Council of School has approved to transfer a certain percentage of the amount received from Consultancy and DASA fees (i.e. 20% of Consultancy school share and 50% of DASA fees received from students.
- b) The Income from investments of the fund is utilized for both Revenue and Capital expenditure based on the guidelines by the University Grants Commission and the Executive Council of the School from time to time. The balance in the Corpus Fund which is carried forward is represented by the balance in Saving Bank Account, Fixed Deposits with the Bank and Accrued interest on investments.
- c) In order to Comply with the CAG Para the School has Transferred Fixed Assets / Building Capital Fund of Rs 26,40,00,392 in the Corpus / Capital Account.

### **7.2 FIXED ASSET /BUILDING FUND**

The school maintains a separate Fixed Asset/Building Fund for purchase assets. The Capital Grant received is added to this fund and the depreciation on fixed assets during the year are also deducted from this fund. The assets created out of this Fund are merged with the assets of the School. In order to Comply with the CAG Para the School has Transferred Fixed Assets / Building Capital Fund of Rs 26,40,00,392 to Corpus / Capital Account.

### **7.3 ENDOWMENT FUNDS**

Endowment Funds are funds received from various individual Donors, Trusts and other organizations, for establishing Chairs and for Medals & Prizes, as specified by the Donors. Each of the Endowment funds has its own investment.

The income from investment of each Endowment Fund is added to the Fund. The expenditure on Chairs, Medals & Prizes is debited to the respective Endowment Funds and the balance is carried forward.

#### 7.4 INVESTMENTS OF EARMARKED FUNDS AND INTEREST INCOME ACCRUED ON SUCH INVESTMENTS

To the extent not immediately required for expenditure, the amount available against such funds are invested in fixed deposit with bank, leaving the balance in Saving Bank Accounts.

Interest received, Interest accrued and due and interest accrued but not due on such investments are added to the respective funds and not treated as income of the School except the Fixed Asset & Building Fund.

### 8. GOVERNMENT GRANTS

8.1 Government Grants are accounted on realization basis. However, where a sanction for release of grant pertaining to the financial year is received before 31st March and the grant is actually received in the next financial year, the grant is accounted on accrual basis and an equal amount is shown as recoverable in Fund in Transit.

8.2 Government Grants of capital nature are recognised on accrual basis and shown as capital grants under Fixed Assets /Building Fund in consistent with fund based accounting.

### 9. SPONSORED PROJECTS

9.1 In respect of ongoing Sponsored Projects, the amounts received from sponsors are credited to the head "Current Liabilities and Provisions-Current Liabilities - Other grant, Faculty deposits & Sponsored projects". As and when expenditure is incurred/advances are paid against such projects, or the concerned project account is debited with allocated overhead charges, the liability account is being debited.

9.2 Various Scholarship/Fellowship has been received by the school from the various



organisation. These are accounted in the same way as Sponsored Projects except that the expenditure generally is only on disbursement of Scholarship and Fellowship, which may include allowances for contingent expenditure by the fellows and scholars.

## **10 INCOME TAX**

The school is exempt under Section 10(23C) (iii ab) of the Income Tax Act, 1961 and accordingly, no provision for income tax is made in the books of accounts.

## **SCHEDULE - 20 CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS**

### **A CONTINGENT LIABILITIES**

#### **1. CONTINGENT LIABILITIES**

As on 31<sup>st</sup> March 2021, there are 4 cases are filed against the School by former/ present employees, tenants and contractors and arbitration cases with contractors were pending for decisions. The suits filed by employees were establishment- related viz. promotions, increments, pay scales, termination etc. The quantum of the claims is not ascertainable.

### **B NOTES TO ACCOUNTS**

School of Planning and Architecture is an Institution of “National Importance” under an Act of Parliament and is fully financed by the Ministry of Education, Govt. of India. Therefore its accounting policies are mostly based on GFR’s & R&P Rules. The accounting principles and policies of the School in brief are as under:

#### **1. Fixed Assets**

1.1 Addition in the Fixed Assets of Rs.64,31,458/- is made during the financial year 2020-21.

1.2 Fixed assets as set out in Schedule 4 do not include assets purchased out of funds of sponsored projects, held and used by the Institution, as project contracts include stipulations that all such assets purchased out of the project’s funds will remain the property of the sponsors.

#### **2. Endowment Fund**

2.1 In some of the cases endowment funds are having debit balances from the previous years due to excess amount incurred by the school on these funds.

2.2 During the year School has not received any amount as endowment fund.

### **3. Deposits /Current Liabilities**

- 3.1 The amount outstanding as Earnest Money Deposits and Security Deposits is of Rs.15,66,795 and Rs.32,20,605 respectively. No income is recognised on account of forfeiture of the Earnest Money Deposits and Security Deposits during the year.
- 3.2 The cheques issued but not presented for payment for Rs.6,47,251 pertaining to the financial year 2019-20 has been transferred to Stale Cheques and shown under the head Current Liability.

### **4. Current Assets, Loan and Advances**

In the opinion of the management, the current assets, loans and advances have a value on realization in the ordinary course of business, equal at least to the aggregate amount shown in the Balance Sheet but subject to reconciliation. Increase in advances during the year is mainly on account of advances given to employees/ outside parties.

- 4.1 The debit balance from sponsored projects for Rs.5,98,466/- has been shown in Schedule 8 of Loan, Advances and Deposits in the Balance Sheet.
- 4.2 The Interest on Loan and Advances (interest bearing) given to the staff are accounted on books of accounts on cash basis.

### **5 Sources of Funds**

The receipts of funds in the Non-plan and Plan budget of the School are classified as under:-

- i) Grant in Aid from the Ministry of Education, Govt. of India.
- ii) Misc. Receipts like Tuition Fee, Hostel rent and other charges, Guest House rent, Performance fees, Interest on investment of GPF/CPF, disposal of unserviceable materials, prospectus sale, other misc. receipts etc.

### **7 Capital Grant**

During the year, School has not received any Capital Grant from Ministry

of Education for creation of capital assets which is shown as Fund under the head of Fixed Assets & Building Fund in the Schedule -2 of the financial statements.

## **8 GPF/CPF Investment**

- 8.1 The School is maintaining separate saving bank accounts for GPF/CPF in the UCO Bank, New Delhi. A separate Books of Accounts is being maintained for GPF/CPF A/c. The interest in GPF/CPF A/c's is calculated on 31st March of the Financial Year and is credited to GPF/CPF A/c. The investment of GPF/CPF contribution is made in the form of KDR/FDRs/TDRs with the UCO Bank, Allahabad Bank, ICICI Bank and Canara Bank at the prevailing rate of interest. As per the previous policy of the School the interest received on GPF/CPF investment is transferred to School main account as no separate Income and Expenditure account is maintained for GPF/CPF.

However in order to comply with the revised format issued by the Ministry the School has prepared the separate Income and Expenditure Account of GPF/CPF along with the Receipt and payments account and Balance Sheet

## **9. New Pension Scheme Fund**

The amount lying in New Pension Scheme Fund has been transferred to the saving bank of the School account and the accounts has been closed.

## **10 Miscellaneous**

- 10.1 Figures are rounded off to the nearest rupees.
- 10.2 As per the advice of the CAG Audit team the School has not merged the accounts of GPF/CPF with the School accounts.
- 10.3 Figures of the previous year have been regrouped/rearranged and re-casted wherever considered necessary in line with the format prescribed and the advice of CAG.

10.4 Schedule 1 to 20 are annexed to and form an integral part of the Balance Sheet as at 31-03-2021 and the Income and Expenditure account for the year ended on that date.

**Compiled on the basis of books of accounts Produced before us.**

**For SUNDER SHARMA & CO.**

**CHARTERED ACCOUNTANTS**

FRN No: 008629N

**Sd/-**

CA SUNDER KUMAR SHARMA  
PARTNER  
UDIN : 21087495AAAACO5190

**Sd/-**

GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

**Sd/-**

VIRENDRA KUMAR  
DEPUTY REGISTRAR  
(A&B)

**Sd/-**

UMAKANT AGARWAL  
REGISTRAR

**Sd/-**

PROF. DR. P.S.N. RAO  
DIRECTOR

PLACE: NEW DELHI

DATE: 12<sup>th</sup> July, 2021

## **Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of the School of Planning and Architecture, New Delhi for the year ended 31 March 2021**

1. We have audited the attached Balance Sheet of the School of Planning and Architecture (SPA) New Delhi as at 31 March 2021 and the Income & Expenditure Account/Receipts & Payments Account for the year ended on that date under section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with section 25 (3) of the School of Planning and Architecture Act 2014. These financial statements are the responsibility of School of Planning and Architecture's management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.
3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
- 4 **Based on our audit, we report that:**
  - i. We have obtained all the information and explanations, subject to the observations in the report, which to the best of our knowledge and belief were necessary for the purpose of our audit.
  - ii. The Balance Sheet and Income & Expenditure Account/Receipts and Payments Account dealt with by this report have been drawn up in the format prescribed by the Ministry of Education, Government of India except as stated in the report.

- iii. In our opinion, proper books of accounts and other relevant records have been maintained by the School of Planning and Architecture in so far as it appears from our examination of such books.
- iv. We further report that:

## **A Balance Sheet**

### **A.1 Liabilities**

#### **A.1.1 Current Liabilities & Provisions (Schedule 3)-Rs. 20.42 crore**

The unutilised grant in aid of Rs. 5.35 crore was treated as Capital Fund instead of being booked as current liabilities. This has resulted in understatement of Current Liabilities & Provisions and overstatement of Capital Fund by Rs. 5.35 crore.

### **A.2 Assets**

#### **A.2.2 Loans, Advances and Deposits (Schedule 8) -Rs. 5.96 crore**

- (i) The above includes departmental advances of Rs. 3.99 crore out of which advances of Rs. 1.96 crore is pending since 2012-13. The advances have neither been adjusted/reconciled even after lapse of 8 years nor any provision for doubtful debts has been created. This is being pointed out since 2017-18 but remedial action has not been taken.
- (ii) The above includes TA advance of Rs. 95.46 lakh. Employee-wise and year-wise details were not provided to audit. The same was also not provided during the audit of the accounts for the year 2019-20. In the absence of details the amount could not be verified.
- (iii) The above includes claim receivable relating to research project and other receivables of Rs 4.09 lakh which are pending since 2011-12. These needs to be reconciled/recovered written off. This is being pointed out since 2018-19 but remedial action not been taken.

## **B. Significant Accounting Policies (Schedule 19)**

The Significant Accounting Policy No. 5 Which states that provision of retirement benefits was not necessary is in violation of Accounting Standard 15 of ICAI and also in contravention of the format prescribed by Ministry of Education which provides that employees' Benefits/obligations are to be provided on the basis of Actuarial Valuation. This is being pointed out since 2014-15 but no action has been taken.

## **C. General**

- C1.** An amount of Rs.13.86 lakh has been shown as “Advance recoverable from GPF” in the Balance Sheet of GPF/CPF. This amount is appearing in the accounts since 2010-11 Details of the same was not furnished to audit due to which the amount could not be verified. This is being pointed out since 2017-18 but remedial action has not been taken.
- C2.** Depreciation has not being routed through Income & Expenditure Accounts. It has been charged through Fixed Assets Fund in Earmarked Fund. This is in contravention of the Format of Accounts prescribed by Ministry of Education.

## **D. Grant-in-aid**

During the year 2020-21, the School of Planning and Architecture received grant-in-aid of Ra. 54.57 crore (Recurring: Rs. 54.57 crore and Non-Recurring: Nil) from the Ministry of Education, of which Rs 4.94 crore was received during March 2021. It had an opening balance of non-recurring grant-in-aid of Rs. 4.64 Crore as on 1 April 2020. Out of the total available funds of Rs. 59.21 crore recurring expenditure of Rs. 53.21 crore and non-recurring expenditure of Rs. 0.65 lakh was incurred thereby leaving unutilized grant-in-aid of Rs. 5.35 crore as on 31 March 2021.

It also received Rs. 2.82 crore for various project and had Rs. 1.33 crore as unspent balance of previous year. Out of the total fund of Rs 4.15 crore it utilized Rs. 2.48 crore leaving unutilized balance of Rs. 1.67 crore as on 31 March 2021.

## **E. Management Letter**

Deficiencies which have been not included in the Audit Report have been brought to the notice of the Director, School of Planning and Architecture, New Delhi through a management letter issued separately for remedial/corrective action.



- v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet and Income and Expenditure Account /Receipts and Payments Account dealt with by this report are in agreement with the books of accounts.
- vi. In our opinion and to the best of our information and according to the explanation given to us, the said financial statements, read together with the Accounting Policies and Notes on Accounts, and subject to the Significant matters stated above and other matters mentioned in Annexure to this Audit Report, give a true and fair view in conformity with accounting principles generally accepted in India:
  - (a). In so far as it relates to the Balance Sheet of the state of affairs of the School of Planning and Architecture, New Delhi as at 31 March 2021, and
  - (b). In so far as it relates to the Income and Expenditure Account of the surplus for the year ended on that date.

**For and on behalf of the C&AG of India**

Sd/-

Director General of Audit

**(Home, Education & Skill Development)**

Place: New Delhi

Date:

## Annexure Audit Report

### 1. Adequacy of Internal Audit System

The School neither has any internal audit wing nor has the internal audit been done by the Pay & Accounts Office of Ministry of Education. However the School has appointed a consultant as an Internal Auditor and has also appointed a Chartered Accountant (CA) who is engaged in conducting internal audit of the School.

### 2. Adequacy of Internal Control System

The Internal Control System of School needs to be strengthened due to the following shortcomings:-

- a. No-reconciliation and non-settlement of advances of previous years.
- b. Outstanding debit balances in various sponsored projects.
- c. Fixed Assets Register not maintained in the proper format as stipulated in General Financial Rules.
- d. The management response to external audit objections is not effective as 70 paras were outstanding as on 31/3/2021.
- e. Non conduct of physical verification of fixed assets.
- f. **Bank Reconciliation Statements (BRSs) :** Scrutiny of Bank Reconciliation Statement (BRS) for the month March, 2021 revealed the following shortcomings:-
  - (i) Cheques deposited but not cleared by bank amounting to Rs. 50.64 lakh (pertaining to period prior to 2020-21 of UCO bank A/C 1266). These amounts should be reconciled at the earliest.
  - (ii) Amount Credited by bank not taken in cashbook/tally amounting to Rs. 31.31 lakh (Rs. 28.86 lakh pertaining to UCO bank A/C 1266 and 2.45 lakh (2018-19) pertaining to UCO bank foreign a/c no 1848 for the period prior 2020-21). Thus, amount of Rs. 31.31 lakh has remained out of accounts. Steps should be taken to reconcile this amount.
  - (iii) Amount debited by bank not taken in cashbook/tally amounting to Rs. 20.56 lakh pertaining to period prior to 2020-21. Thus, amount of Rs. 20.56 lakh has remained out of accounts. Steps should be taken to reconcile this amount

### 3. System of physical verification of assets

The physical verification of fixed assets (Land and Building) has been conducted up to 2020-21 while the physical verification of fixed assets (Furniture and Fixture, Vehicles, Plant and Machinery, Computer and Accessories) has been conducted up to 2012-13. The

physical verification of Books and Publications has been conducted up to 2018.

**4. System of physical verification of inventory**

Physical verification of inventory like stationery and consumables was conducted up to 2020-21.

**5. Regularity in payment of statutory dues**

As per the accounts, payment of statutory dues over six months in respect of Delhi Value Added Tax (DVAT) and Labour Cess of Rs. 1,78,670/- and Rs. 51,435/- respectively are pending since April, 2019.





## **School of Planning and Architecture, New Delhi**

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

4-Block-B, Indraprastha Estate, New Delhi- 110002

[www.spa.ac.in](http://www.spa.ac.in)