



School of Planning  
and Architecture  
New Delhi

योजना तथा  
वास्तुकला विद्यालय  
नई दिल्ली

# ANNUAL REPORT 2017-18

# **ANNUAL REPORT**

## **2017-18**



**SCHOOL OF PLANNING AND ARCHITECTURE**

**An “Institution of National Importance” under an Act of Parliament  
(Ministry of Human Resource Development, Government of India)**

**Indraprastha Estate, New Delhi -110002**



## **PREFACE**

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

Prior to becoming an institution of national importance, SPA New Delhi has roots in the Department of Architecture, which was founded in 1942 as a part of Delhi School of Polytechnic. Department of Architecture subsequently merged with the School of Town and Country Planning and became SPA in 1959. SPA New Delhi was given the status of Deemed to be University in 1979. The School offers two undergraduate programmes, one for architecture and the other in physical planning and 10 postgraduate programmes. The School also offers doctoral programmes.

Apart from imparting professional education in various fields related to build 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 2017-18. It demonstrates the dedication of the School towards quality education and social responsibilities.

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





# Contents

Preface	i
A Brief about SPA New Delhi	1
Department of Architecture	13
Department of Physical Planning	79
Department of Architectural Conservation	111
Department of Building Engineering and Management	130
Department of Environmental Planning	148
Department of Housing	160
Department of Industrial Design	171
Department of Landscape Architecture	192
Department of Regional Planning	204
Department of Transport Planning	212
Department of Urban Design	234
Department of Urban Planning	245
Library	259
Documentation-cum-Publication Unit	261
Internal Quality Assurance Cell	262
CASS, GIS and RS	263
Authorities of the School	271
Annual Accounts 2017 - 18	286
Audit Report	326



# **A BRIEF ABOUT SPA, NEW DELHI**

## **Background**

School of Planning and Architecture (SPA) New Delhi has been providing cutting edge architecture, planning and design education as well as research environment in India. The School has a glorious history. It germinated in 1942 in the form of Department of Architecture as a part of Delhi Polytechnic and came into its modern *avatar* in 1959 after merging with the School of Town and Country Planning in Delhi, which itself was established in 1955. Government of India conferred the status of a Deemed University on the School of Planning and Architecture in 1972 recognizing SPA an institution of national eminence. Government of India declared SPA New Delhi as the Institution of National Importance under the School of Planning and Architecture Act, 2014.

## **Academic Activities**

At present, the School offers two graduate programs in architecture and planning, and 10 postgraduate programs in Urban Planning, Environmental Planning, Regional Planning, Transport Planning, Housing, Urban Design, Landscape Architecture, Architectural Conservation, Industrial Design, and Building Engineering and Management. Moreover, all departments of studies offer doctoral programmes. Faculty of the School carries out cutting edge research and extension activities.

## **Research Projects**

The School continues to undertake research in the fields of planning and architecture. Current important research projects include Indo Norway Research Project on Transport Sector, Conservation of Mughal Riverfront Gardens Project in Agra, Indo Highway Capacity Manual, HUDCO Chair and ENVIS Center on Human Settlements. SPA New Delhi has been working on innovative products and processes under the National Initiative for Design Innovation funded by Ministry of Human Resource Development.

## **International Exchanges**

The School has signed MOUs with a large number of global universities and research organizations. Several students and faculty from other universities have visited SPA New Delhi for delivering lectures, taking classes, and networking for future academic collaborations. These MOUs have also resulted in joint research publications.

## **Workshops and Conferences**

SPA New Delhi organized a large number of workshops, exhibitions, and conferences and training programs during the period under reporting.

**Shri Ram Nath Kovind**

*Hon'ble President of India*

**VISITOR**

**Shri Prakash Javadekar**

*Hon'ble Minister of Human Resource Development, Government of India*

**CHAIRPERSON, SPA COUNCIL**

**AUTHORITIES OF THE SCHOOL**

Ar. Amogh Kumar Gupta  
**CHAIRPERSON,  
BOARD OF GOVERNORS**

Prof. Dr. P. S. N. Rao  
*Director, School of Planning and  
Architecture, New Delhi*  
**CHAIRPERSON,  
SENATE**

Ar. Amogh Kumar Gupta  
**CHAIRPERSON,  
FINANCE COMMITTEE**

Prof. Dr. P. S. N. Rao  
**CHAIRPERSON,  
BUILDING WORKS COMMITTEE**

**DIRECTOR**

Prof. Chetan Vaidya  
Director, SPA, New Delhi  
(upto 20.09.2017)

Prof. Dr. N. Sridharan  
Director (Additional Charge)  
SPA, New Delhi,  
(w.e.f. 21.09.2017)

Prof. Dr. P.S.N. Rao  
Director,  
SPA, New Delhi  
(w.e.f. 16.02.2018)

**DEANS**

Prof. Dr. Mahavir, Dean (Academic)  
Prof. Dr. Vinay Maitri, Dean (Student Affairs)  
Prof. Dr. Priyaleen Singh, Dean (Faculty Welfare)  
Prof. Dr. Sanjukta Bhaduri, Dean (Research)  
Prof. Dr. Virendra Kumar Paul, Dean (Planning  
and Development)

**REGISTRAR**

Prof. Dr. Sewa Ram  
Registrar, SPA, New Delhi  
upto 24.01.2018 (FN)

Prof. Dr. Sanjay Gupta  
Registrar (In-Charge), SPA, New Delhi  
w.e.f 24.01.2018 (AN)

**COORDINATOR IQAC**

Prof. Dr. Ashok Kumar

**COORDINATORS OF PLACEMENT CELL**

Prof. Dr. Aruna Ramani Grover  
Prof. Dr. Anil Dewan  
Prof. Dr. Sewa Ram

**HONORARY WARDEN**

Parag Anand Meshram

**STUDENT BODY**

**STUDENTS' COUNCIL**

Patron, Director SPA  
General President,  
General Secretaries and Editor

**OTHER ADMINISTRATIVE STAFF MEMBERS**

Jagjeet Kaur, Assistant Registrar  
Anuj Bhardwaj, Assistant Registrar (on deputation)  
Girish Kumar, Assistant Registrar  
N. S. Dhama, Library and Information Officer  
Dr. Ashok Kumar, Library and Information Officer  
Sushma Minhas, Senior Personal Assistant  
Renu Anand, Senior Personal Assistant  
Pratap Singh Rawat, Section Officer  
Kishori Lal, Section Officer  
Ashok Kumar Sharma, Section Officer  
Rakesh Kumar Sharma, Section Officer

**DETAILS OF DEGREE PROGRAMMES COURSES CONDUCTED BY THE SCHOOL DURING THE SESSION 2017-18**

<b>S. No.</b>	<b>Name of the Course</b>	<b>Approved Intake</b>	<b>Duration in Years</b>
1.	Bachelor's Degree Course in Architecture	105 +15%*+1**	5
2.	Bachelor's Degree Course in Planning	34 +15%* +1**	4
3.	Master's Degree Course in Planning with specialization in Urban Planning	31	2
4.	Master's Degree Course in Planning with specialization in Regional Planning	15	2
5.	Master's Degree Course in Planning with specialization in Environmental Planning	15	2
6.	Master's Degree Course in Planning with specialization in Housing	23	2
7.	Master's Degree Course in Planning with specialization in Transport Planning	23	2
8.	Master's Degree Course in Architecture with specialization in Arch. Conservation	15	2
9.	Master's Degree Course in Architecture with specialization in Industrial Design	23	2
10.	Master's Degree Course in Architecture with specialization in Urban Design	20	2
11.	Master's Degree Course in Landscape Architecture	23	2
12.	Master's Degree Course in Building Engineering and Management	31	2
13.	Doctoral Programmes: Full Time and Part Time	12 X 3	Full-Time: Minimum 2 and maximum 5 years; Part-Time: Minimum 3 and maximum 7

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

## **RESERVATION OF SEATS: UNDERGRADUATE, POSTGRADUATE AND PhD PROGRAMMES**

Scheduled Castes	SC: 15 per cent of total intake
Scheduled Tribes	ST: 7.5 per cent of total intake
Other Backward Class	OBC: 27 per cent of total intake
Physically Challenged	PH: 3 per cent (reservation is in built in the all the above mentioned categories)
Armed Personnel (Widows of personnel of armed, forces, para-military forces killed or disabled in action during hostilities)	AP: 2 seats, one each in B.Arch. and B. Planning programmes only
Kashmiri Migrant (in addition to the sanctioned intake)	KM: 1 seat each for UG courses and 2 seats (one for Planning stream and 1 for Architecture stream of PG)

**NUMBER OF STUDENTS ENROLLED UNDER VARIOUS CATEGORIES IN UNDERGRADUATE,  
POSTGRADUATE AND Ph.D. PROGRAMMES DURING THE SESSION 2017-18**

S. No.	Courses by level of Education	General		SC		ST		OBC		NRI PIO		Kashmiri Migrant		Physically Challenged		Foreign Nationals		Armed Personal		MEA (Welfare)		Total Enrolment (All Categories)		
		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 of <b>Architecture</b>	20	20	13	4	6	2	2	12	0	0	1	0	2	0	4	0	0	0	0	0	67	42	109
2	Bachelor of <b>Planning</b>	6	5	4	1	3	0	6	3	0	0	0	0	0	0	0	0	0	0	0	19	9	28	
3	Master's Degree Course in Planning with specialization in <b>Urban Planning</b>	2	15	2	2	0	3	3	5	0	0	0	0	0	0	1	0	0	0	0	8	24	32	
4	Master's Degree Course in Planning with specialization in <b>Regional Planning</b>	3	5	1	1	1	0	1	3	0	0	0	0	0	0	0	0	0	0	0	6	9	15	
5	Master's Degree Course in Planning with specialization in <b>Environmental Planning</b>	2	6	1	1	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	6	9	15	
6	Master's Degree Course in Planning with specialization in <b>Housing</b>	4	9	0	3	1	0	3	3	0	0	0	0	0	0	1	0	0	0	8	16	24		



7	Master's Degree Course in Planning with specialization in <b>Transport Planning</b>	7	6	2	1	1	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	14	9	23
8	Master's Degree Course in Planning with specialization in <b>Architectural Conservation</b>	1	7	0	2	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4	11	15	
9	Master's Degree Course in <b>Urban Design</b>	3	7	3	0	1	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	9	12	21	
10	Master's Degree Course in <b>Industrial Design</b>	5	8	2	1	1	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	13	9	22	
11	Master's Degree Course in <b>Landscape Architecture</b>	3	10	0	3	0	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	5	19	24	
12	Master's Degree Course in <b>Building Engineering and Management</b>	11	6	4	0	2	0	5	3	0	0	0	0	0	0	0	0	0	0	0	0	22	10	32	
13	Ph.D.	7	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	9	16	
	Total	74	113	32	19	17	7	59	41	0	0	0	0	0	0	0	0	0	0	0	0	188	188	376	

**MALE FEMALE DISTRIBUTION OF STUDENTS AND SCHOLARS, 2017 - 18**

<b>Courses</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
Undergraduate	86	51	137
Postgraduate	95	128	223
Ph. D. Programme	7	9	16
<b>Total</b>	<b>188</b>	<b>188</b>	<b>376</b>

**ENROLMENT OF STUDENTS IN UNDERGRADUATE AND POSTGRADUATE  
DEPARTMENTS OF STUDIES DURING THE YEAR 2017-18**

<b>S. No.</b>	<b>Name of the Course</b>	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>	<b>Fourth Year</b>	<b>Fifth Year</b>	<b>Total</b>
<b>I.</b>	<b>Undergraduate Courses</b>						
1	Bachelor's Degree Course in Architecture	109	116	113	115	116	<b>569</b>
2	Bachelor's Degree Course in Planning	27	26	35	30	-	<b>118</b>
<b>II.</b>	<b>Postgraduate Courses</b>						
1	Master's Degree Course in Planning with specialization in Urban Planning	32	32	-	-	-	<b>64</b>
2	Master's Degree Course in Planning with specialization in Regional Planning	15	16	-	-	-	<b>31</b>
3	Master's Degree Course in Planning with specialization in Environmental Planning	15	15	-	-	-	<b>30</b>
4	Master's Degree Course in Planning with specialization in Housing	24	21	-	-	-	<b>45</b>
5	Master's Degree Course in Planning with specialization in Transport Planning	23	22	-	-	-	<b>45</b>
6	Master's Degree Course in Architecture with specialization in Architectural Conservation	15	15	-	-	-	<b>30</b>
7	Master's Degree Course in Architecture with specialization in Industrial Design	22	21	-	-	-	<b>43</b>
8	Master's Degree Course in Architecture with specialization in Urban Design	21	21	-	-	-	<b>42</b>
9	Master's Degree Course in Landscape Architecture	24	23	-	-	-	<b>47</b>
10	Master's Degree Course in Building Engineering and Management	32	33	-	-	-	<b>65</b>
<b>III.</b>	<b>PhD Programme</b>	16	59	-	-	-	<b>75</b>
<b>Grand Total</b>		<b>375</b>	<b>420</b>	<b>148</b>	<b>145</b>	<b>116</b>	<b>1,204</b>

### Cumulative Summary of Enrolment of the Students for the year 2017 - 18

Academic Level	Male	Female	Total
Undergraduate	390	297	687
Postgraduate	196	246	442
Ph. D. Programme	34	41	75
<b>Total</b>	<b>620</b>	<b>584</b>	<b>1,204</b>

### STATEMENT SHOWING THE NUMBER OF BOYS AND GIRLS PASSED OUT IN VARIOUS COURSES DURING 2016-17 (MAY 2017)

Name of the Course	Number of Students Passed with Distinction		First Class		Second Class		Total		Total
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Bachelor's Degree Course in Architecture	0	1	56	34	2	0	58	35	<b>93</b>
Bachelor's Degree Course in Planning	0	5	10	15	4	0	14	20	<b>34</b>
Master's Degree Course in Planning with specialization in Urban Planning	1	6	13	11	0	0	14	17	<b>31</b>
Master's Degree Course in Planning with specialization in Regional Planning	0	1	7	6	0	0	7	7	<b>14</b>
Master's Degree Course in Planning with specialization in Environmental Planning	0	1	7	6	0	0	7	7	<b>14</b>
Master's Degree Course in Planning with specialization in Housing	0	4	7	10	0	0	7	14	<b>21</b>
Master's Degree Course in Planning with specialization in Transport Planning	8	5	10	0	0	0	18	5	<b>23</b>

Master's Degree Course in Architecture with specialization in Architectural Conservation	1	0	2	10	2	0	5	10	<b>15</b>
Master's Degree Course in Architecture with specialization in Industrial Design	4	5	6	4	0	0	10	9	<b>19</b>
Master's Degree Course in Architecture with specialization in Urban Design	0	0	12	7	0	0	12	7	<b>19</b>
Master's Degree Course in Landscape Architecture	0	1	8	15	0	0	8	16	<b>24</b>
Master's Degree Course in Building Engineering and Management	2	4	21	7	1	0	24	11	<b>35</b>
Ph.D. Programmes	4	4	0	0	0	0	4	4	<b>8</b>
<b>Grand Total</b>	<b>20</b>	<b>37</b>	<b>159</b>	<b>125</b>	<b>9</b>	<b>0</b>	<b>188</b>	<b>162</b>	<b>350</b>

### Summary of Enrolment of the Students for the year 2017 - 18

<b>Courses</b>	<b>Boys</b>	<b>Girls</b>	<b>Total</b>
Undergraduate	72	55	127
Postgraduate	112	103	215
PhD	4	4	8
<b>Total</b>	<b>188</b>	<b>162</b>	<b>350</b>

## CUMULATIVE OUT-TURN OF THE STUDENTS

**Cumulative out-turn of the students qualified in various courses from the inception of the School till 2016-2017**

Name of the Course	Cumulative Out-turn		Total
	2015-2016	2016-2017	
Bachelor's Degree Course in Architecture	3,231	93	<b>3,324</b>
Bachelor's Degree Course in Planning	470	34	<b>504</b>
Master's Degree Course in Planning with specialization in Urban Planning	583	31	<b>614</b>
Master's Degree Course in Planning with specialization in Regional Planning	286	14	<b>300</b>
Master's Degree Course in Planning with specialization in Environmental Planning	275	14	<b>289</b>
Master's Degree Course in Planning with specialization in Housing	540	21	<b>561</b>
Master's Degree Course in Planning with specialization in Transport Planning	444	23	<b>467</b>
Master's Degree Course in Architecture with specialization in Arch. Conservation	221	15	<b>236</b>
Master's Degree Course in Architecture with specialization in Industrial Design	225	19	<b>244</b>
Master's Degree Course in Architecture with specialization in Urban Design	436	19	<b>455</b>
Master's Degree Course in Landscape Architecture	522	24	<b>546</b>
Master's Degree Course in Building Engineering and Management	543	35	<b>578</b>
PhD Programmes	45	8	<b>53</b>
Master's Degree Course in Urban and Regional Planning	140	-	<b>140</b>
Post-Graduate Diploma Courses in (equivalent to Master's Degree)			
(i) Urban and Regional Planning	603	-	<b>603</b>
(ii) Housing and Community Planning			
(iii) Traffic and Transportation Planning			
<b>Total</b>	<b>8,564</b>	<b>350</b>	<b>8,914</b>

## THIRTY FIFTH CONVOCATION

The Thirty Fifth Convocation of the School was successfully held on 20 July 2018. Prof. Dr. Anil D. Sahasrabudhe, Chairman, AICTE delivered the convocation address. Shri Prakash Javadekar, Hon'ble Minister of Human Resource Development addressed the students via video as he was held up in the Parliament. Ar. Amogh Kumar Gupta, Chairman, Board of Governors of the School presided over the convocation. The Chairman admitted 215 post-graduands, 127 graduands, 6 Bachelor of Science, and 8 PhD graduands in person and in absentia in the respective disciplines. In the convocation, the following awards and medals were conferred upon graduands by the Chief Guest for the session 2017-18.

**Founder Director Prof. T.J. Manickam Gold Medal** was awarded for the best overall performance at undergraduate and postgraduate studies. Milind Goyal (A/2456/2012), a student of Bachelor of Architecture and Mehak Agrawal (UP/1213), a student of Master of Planning with specialization in Urban Planning were recipients of this award.

**Postgraduate:** The following students were awarded the **SPA Gold Medal** for the best students in their respective departments:

- H. Nivedita Verma (EP/316) of Master of Planning with specialization in Environmental Planning
- Swapnil Saxena (H/555) of Master of Planning with specialization in Housing
- Naina Gupta (TP/570) of Master of Planning with specialization in Transport Planning
- Akanksha Laroiya (RP/1236) of Master of Planning with specialization in Regional Planning
- Mahak Agrawal (UP/1213) of Master of Planning with specialization in Urban Planning
- Shahim Abdurahiman M. (AC/738) of Master of Architecture with specialization in Architectural Conservation
- Lunkim Tingneilam Khongsai (ID/271) of Master of Design (Industrial Design)
- Fabeha Fatima (LA/559) of Master of Landscape Architecture
- Nilina Elizabeth Shaji (BEM/647) of Master of Building Engineering and Management

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

- Milind Goel (A/2456/2012) of Bachelor of Architecture
- Ngawang Tshomo (BP/626/2013) of Bachelor of Planning

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

- Tanya Makker (A/2480/2012) of Bachelor of Architecture
- Ngawang Tshomo (BP/626/2013) of Bachelor of Planning

**General Proficiency Prizes in Bachelor of Architecture:** First Prize – Milind Goel (A/2456/2012) and Second Prize – Tanya Makker (A/2480/2012).

**General Proficiency Prizes in Bachelor of Planning:** First Prize – Ngawang Tshomo (BP/626/2013) and Second Prize – Vidushi Bhatt (BP/599/2013).

# **DEPARTMENT OF ARCHITECTURE**

**1. Name of the Department**

**Department of Architecture**

**2. Names of academic programs offered by the Department**

- **Bachelor of Architecture Degree Programme**
- **Doctor of Architecture Degree Programme**

**3. Year of establishment of the Department**

**1941 as a Department of Architecture of the Delhi Polytechnic**

**4. Faculty profile:**

<b>Name of the Faculty</b>	<b>Educational Qualifications</b>	<b>Areas of Specialization</b>	<b>Number of Years of Experience</b>	<b>COA Registration</b>
<b>Professors</b>				
Mandeep Singh	B. Arch., SPA-Delhi, 1979; M. Arch (Urban Design), 1986; PhD 2014	Architectural Design, Urban Design, Earthquake Resistant Architecture	37	CA/80/5693
Manoj Mathur	B. Arch., SPA-Delhi, 1982; PG Diploma in Health Facilities, SPA, 1989	Architectural Design, Housing , Building Services, Architectural History	34	CA/ 84/ 8183
Aruna Ramani Grover	B.Arch., (1984) SPA, Delhi; Master of Planning with specialization in Housing, Gold Medal, (1995) SPA, Delhi; PhD in Architecture (2012)	Sustainable design, History-Theory-Criticism, Housing, Water and Sustainable development	34	CA/85/9202
Anil Dewan	B. Arch., SPA-Delhi, 1982; MBEM, SPA, 2003 PhD 2012	Architectural Design, Health Facility Planning, Project	34	CA/83/7565



		Management		
Jaya Kumar	B. Arch, SPA-Delhi, 1979; Ph.D. 2013	Environment Planning For Children, Architectural Design	37	CA/81/6122
Ranjana Mital	B. Arch., SPA-Delhi, 1979; Ph.D., 2003	Design, History of Architecture, Research Architecture	38	CA/ 81/06196
Y.K. Jain	B.Sc. (CE), Punjab Engineering College, 1976; M.Sc. Engg Civil (Structures), 1980	Civil and Structural Engineering, Project Management	40	FIE
<b>Associate Professors</b>				
Leon A. Morenas	B. Arch, Thiagarajar College of Engineering, Madurai, 2000; M. Arch (UD), SPA-Delhi, 2002; PhD. Rennselaer Polytechnic Institute, New York, 2010	Architectural Design, Urban Design, Theory Of Design, Science And Technology Studies	10	CA/2011/511 31
Shweta Manchanda	B. Arch, SPA-Delhi, 1998; M. Phil, 2000; PhD, University of Cambridge, UK, 2008	Architectural Design, Environmental Design, Energy Management, Sustainable urbanism	14	CA/98/23712
<b>Assistant Professors</b>				
Rajaprakash P.	B. Arch., Anna University, 1989; M. Arch., SPA- Delhi, 1991; PhD, Anna University, Chennai, 2013	Architectural Design, Landscape Architecture, site planning, Theory of Design, Psychophysical Dimensions of architectural Design and Landscape	27	CA/93/15532
S.K. Aaditya	B. Arch., VRCE, Nagpur, 1986	Architectural Design,	28	CA/88/11735

Parul Kiri Roy	B. Arch., SSAA, Gurgaon, 2000; MFA (History of Art), Kala Bhavana, Visva Bharati, Santiniketan, 2003	Architecture Research and Design, Visual Communication, History of Art, Theory of Art and Design	18	CA/2001/28679
Shuvojit Sarkar	B. Arch., TVB, Delhi, 2002; M. Plan (Env.) SPA- Delhi, 2005	Architectural Design, Environmental Planning, Urban Ecology	13	CA/2004/32924
Prabhjot Singh Sugga	B. Arch., SPA, 2001; MS (UP), Columbia University, USA, 2004	Architectural Design, Vernacular Architecture, Disaster Management	13	CA/2008/42234
S.P. Shrivastava	B.Sc. Engg., (Civil), 1984; ME (Civil), 1991, Pursuing Ph.D	Soil Mechanics And Foundation Engineering	23	Registered with IE, IASE
Moulshri Joshi	B. Arch., SPA, Delhi, 2003	Architectural Design, Industrial Heritage	13	CA/2005/36850
Arpita Dayal	B. Arch., Vastu Kala Academy, Delhi, 2003; M. Arch.(UD), SPA, New Delhi, 2009	Architectural Design, Urban Design	13	CA/2007/39718
Anjali Mittal	B. Arch. TVB, Delhi 2005; M.Sc.(City Design and Social Science), LSE, London, 2008	Architectural Design, Urban Design, Urban Planning And Policy, Sociology	13	CA/2009/45148
Mekhla Parihar	B. Arch. – MANIT, Bhopal, 2002; M. Arch. – Kansas State University, Kansas, USA, 2005	Architectural Design, Environment Behavior	14	CA/2009/46924
Saptarshi Sanyal	M. Arch (Architectural Conservation), 2008; B. Arch., 2006 (SPA-Delhi)	Architectural Design; Architectural History in Design Pedagogy	9	CA/2009/45861

Aarti Nagpal	B.Arch. DCRUST – Murthal - 2008; M. Plan. (Urban Planning), MNIT, Jaipur-2011; PGPCM (Construction Management), SODE-NICMAR, Pune; MBA (Interiors), NIRM, Ahmedabad	Architecture, Urban Planning, Construction Management, Interior Design and Management	8	CA/2009/451 48
Vandana Kothari	MFA with specialization in History of Art; BFA with specialization in Painting	Painting and History of Art	18	NA

**5. Details of teaching work undertaken by the regular faculty in the department**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per week
Mandeep Singh	July-Dec 2017	Arch. Design, Bldg. Const., Dissertation and Research	15
	Jan- May 2018	Arch. Thesis, Bldg. Const., Tech. Study and Practical Training	14
Manoj Mathur	July-Dec 2017	Arch. Design, History of Arch., Bldg. Const., Seminar, Dissertation and Research	15
	Jan- May 2018	Arch. Thesis, History of Arch., Tech. Study and Practical Training	14
Aruna Ramani Grover	July-Dec 2017	Arch. Design, Urban Design Report, History of Arch., Dissertation and Research	15
	Jan- May 2018	Thesis Design Studio, Thesis Research Lecture and Studio, Training Mentorship and History of Arch.	16
Anil Dewan	July-Dec 2017	Arch. Design, Elective, Dissertation and Research	11
	Jan- May 2018	Arch. Design and Professional Practice	13
Jaya Kumar	July-Dec 2017	Arch. Design, Urban Design Research, Dissertation and Research	15
	Jan- May 2018	Arch. Thesis, Thesis Book and Prac. Training	13
Ranjana Mital	July-Dec 2017	Arch. Design, Elective, Structures,	16

		Dissertation and Research	
	Jan- May 2018	Arch. Design, History of Arch., and Structures	14
Y.K. Jain	July-Dec 2017	Structures	14
	Jan- May 2018	Structures	12
Leon A. Morenas	July-Dec 2017	On Leave	--
	Jan- May 2018	On Leave	--
Shweta Manchanda	July-Dec 2017	On Leave	--
	Jan- May 2018	Arch. Design, Solar Active and Passive Systems and Computers	16
Rajaprakash P.	July-Dec 2017	Arch. Design, Site Planning and Landscape Studies, Dissertation	18
	Jan- May 2018	Theory of Design, Arch. Design, Computers and Bldg. Mgmt.	18
S.K. Aaditya	July-Dec 2017	Environmental Studies, Structures, Workshop, building Construction, Dissertation	20
	Jan- May 2018	Climatology, Surveying, and Bldg. Const.	18
Arpita Dayal	July-Dec 2017	Arch. Design, History of Arch., Urban Design Research, Theory of Design, Dissertation and Research	18
	Jan- May 2018	Arch. Design, History of Arch., Thesis, Research, Bldg. Const. and Theory of Design	18
Vandana Kothari	July-Dec 2017	Visual Arts and Basic Design	18
	Jan- May 2018	Visual Arts and Basic Design	16
Anjali Mittal	July-Dec 2017	Arch. Design, Elective, Dissertation, Seminar, Building Construction	18
	Jan- May 2018	Arch. Design, Elective, Professional Practice, Theory of Design (Sociology and Culture) and Professional Communication	18
Moulshri Joshi	July-Dec 2017	On Leave	--
	Jan- May 2018	One Leave	--
Shuvojit Sarkar	July-Dec 2017	Arch. Design, Workshop, Theory of Settlements, Structures, Dissertation and Research	18
	Jan- May 2018	Arch. Design, Theory of Settlements, Bldg. Const., Computers and Professional Communication	18

Saptarshi Sanyal	July-Dec 2017	History of Arch., Arch. Design, Theory of Settlements, Structures, Art and Arch. Appreciation, Dissertation and Research	18
	Jan- May 2018	History of Arch., Arch. Design, Structures, Elective, Theory of Design and Theory of Settlements	18
Parul Kiri Roy	July-Dec 2017	History of Arch.(II), Arch. Design, Art and Arch. Appreciation, Professional Communication, Dissertation and Research	18
	Jan- May 2018	History of Arch.(I, II), Arch. Design, Art and Appreciation and Professional Communication	18
Mekhla Parihar	July-Dec 2017	Theory of Design, Arch. Design, Visual Arts and Basic Design, Dissertation and Research	17
	Jan- May 2018	Theory of Design, Arch. Design, Structures and Bldg. Const.	17
Aarti Nagpal	July-Dec 2017	Arch. Design, Theory of Settlements, Dissertation and Seminar	18
	Jan- May 2018	On Leave	--
S.P. Shrivastava	July-Dec 2017	Structures and Surveying	18
	Jan- May 2018	Structures and Surveying	14
Piyush Jain	July-Dec 2017	Structures	6
	Jan- May 2018	Structures	4

**6. Details of teaching work undertaken by the regular faculty in the other departments in the school.**

<b>Name of the faculty</b>	<b>Semester</b>	<b>Subjects (theory and studios)</b>	<b>Hours per Semester</b>
Saptarshi Sanyal	Department of Physical Planning (B. Plan Program) Semesters 1 and 2	Planning Communication- I (Photography basics)	8
		Planning Communication – II (Creating visual narratives)	16

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the department**

**Visiting Professors**

<b>S. No.</b>	<b>Name of the Visiting Professor</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours, Week</b>	<b>Educational Qualifications</b>	<b>COA Registration</b>
1.	Alok Sachdev	July - Dec., 2017	Bldg. Mgmt. and Bldg. Const.	9	B. Tech., 1976	--
		Jan - May, 2018	Computers and Bldg. Mgmt.	9		
2.	Amit Hajela	July - Dec., 2017	Arch. Design and UD Research	12	B. Arch., 1989	CA/92/14 426
		Jan - May, 2018	Arch. Thesis, Thesis Book and Professional Practice	12	M. Arch, SPA, 1992, PhD, SPA, 2012	
3.	Anand Dhote	July - Dec., 2017	Arch. Design and Bldg. Const.	13	B. Arch., 1985	CA/85/91 78
		Jan - May, 2018	Arch. Design and Bldg. Const.	12		
4.	Anil B. Jain	July - Dec., 2017	Arch. Design	9	B. Arch., 1979	CA/80/57 71
		Jan - May, 2018	Arch. Thesis and Tech. Study	10		
5.	Anita Dhar Kaul	July - Dec., 2017	Arch. Design and Bldg. Const.	12	B. Arch., 1978	CA/79/51 15
		Jan - May, 2018	Arch. Design, Computers and Bldg. Const.	12		
6.	Anuj Mehta	July - Dec., 2017	Arch. Design	9	B. Arch., 1987	CA 88/11912
		Jan - May, 2018	-	-		
7.	Anuj Srivastava	July - Dec., 2017	Arch. Design and Bldg. Const.	12	B. Arch., 1990	CA/91/13 946
		Jan - May, 2018	Surveying and Levelling and Bldg. Const.	12	M.Sc., 2002	
8.	Ashok	July - Dec.,	Bldg. Const. and	12	B. Arch.,	CA/82/67

	Grover	2017	Bldg. Sc. and Services		1980	56
		Jan - May, 2018	Bldg. Sc. and Services and Bldg. Const.	12	M. Arch., 2012	
9.	Ashwani Kumar Datta	July - Dec., 2017	Arch. Design and Bldg. Const.	12	B. Arch., 1986	CA/92/14 507
		Jan - May, 2018	Arch. Design and Bldg. Const.	12	M. Arch., USA, 1989	
10.	B.K. Tanuja	July - Dec., 2017	Arch. Design	9	B. Arch., 1980	CA/82/70 78
		Jan - May, 2018	Arch. Thesis	7		
11.	Bashabi Dasgupta	July - Dec., 2017	Dissertation	2	B. Arch., 1969	CA/85/93 33
		Jan - May, 2018	-	-		
12.	Deepti Gupta	July - Dec., 2017	Arch. Design, Bldg. Mgmt. and Dissertation	13	B. Arch., 1990	CA/91/13 696
		Jan - May, 2018	Arch. Design and Bldg. Management	12	MBEM, 1995, Ph.D, 2013	
13	Kalpana Sethi	July - Dec., 2017	Arch. Design, Bldg. Mgmt. and Elective	13	B. Arch., 1977	CA - 7068
		Jan - May, 2018	-	-	PG Dip. In I R and HR	
14.	Kamal Raj Arora	July - Dec., 2017	Bldg. Mgmt. and Bldg. Const.	6	B. Arch., 1981	CA/1984/ 8215
		Jan - May, 2018	Arch. Design, Professional Practice and Computers	12	M. Sc., 2006	
15.	Kapil Mathur	July - Dec., 2017	Arch. Design and Visual Arts and Basic Design	11	B. Arch, 1994	CA/96/20 344
		Jan - May, 2018	Arch. Design, History of Arch. and Elective	12		
16.	M.L. Bahri	July - Dec., 2017	Arch. Design and Bldg. Const.	12	B. Arch., 1976	CA/1980/ 05677

		Jan - May, 2018	Arch. Thesis, and Tech. Study	12		
17.	Meena Mani	July - Dec., 2017	-	-	B. Arch, 1971	CA/82/69 96
		Jan - May, 2018	Arch. Thesis and Tech. Study	10		
18.	Mousumi Biswas	July - Dec., 2017	Theory of Structures	12	B.E., 1991	-
		Jan - May, 2018	Theory of Structures	12	M. Sc.	
19.	Neerja Tiku	July - Dec., 2017	Arch. Design and Theory of Settlements	13	B. Arch., 1975	CA/1978/ 4449
		Jan - May, 2018	Arch. Design and Theory of Settlements	9	PG Dip (URP)	
20.	Pavan Kumar Gupta	July - Dec., 2017	Bldg. Mgmt. and Bldg. Const.	13	B. Arch., 1982	CA/83/78 77
		Jan - May, 2018	Bldg. Const., Surveying and Levelling and Professional Practice	12		
21.	Pawan Tandon	July - Dec., 2017	Building Construction	9	B. Arch., 1996	CA/1996/ 20408
		Jan - May, 2018	Building Construction	9		
22.	Pravesh Ghai	July - Dec., 2017	Bldg. Mgmt. and Bldg. Const.	5	B. Arch. 1985	CA/ 86/ 09977
		Jan - May, 2018	-	-		
23.	Punit Sethi	July - Dec., 2017	Building Construction	9	B. Arch., 1989	CA/89/12 667
		Jan - May, 2018	Building Construction	9		
24.	Radhika Viswanathan	July - Dec., 2017	Arch. Design and Bldg. Const.	12	B. Arch., 1978	CA/81/61 86
		Jan - May, 2018	Arch. Design and Bldg. Const.	12		
25.	Rahoul B. Singh	July - Dec., 2017	Arch. Design	9	B. Arch, 1997	CA/97/21 894
		Jan - May, 2018	Arch. Thesis and Thesis Book	9	BFA, 1997	



26.	Rajeev Agarwal	July - Dec., 2017	Arch. Design	9	B. Arch., 1988	CA/88/11 915
		Jan - May, 2018	Arch. Thesis and Tech. Study	10		
27.	Rajeev Mahajan	July - Dec., 2017	Computers and Structures	14	BE, 1984	-
		Jan - May, 2018	Computers and Structures	12	ME, 2006	
28.	Reeta Sanyal	July - Dec., 2017	Theory of Structures	6	B.E. (Civil), 1974,	-
		Jan - May, 2018	Theory of Structures	13	M.E. (Civil), 1976	
29.	Rekha Jindal	July - Dec., 2017	Workshop, Bldg. Const. and Arch. Design	9	B. Arch., 1981	CA/1982/ 7170
		Jan - May, 2018	Computers, Structures and Bldg. Const.	9	M. Arch., 1989	
30.	Richard Andre Barraud	July - Dec., 2017	Arch. Design and Bldg. Const.	12	B. Arch., 1979	CA/87/11 219
		Jan - May, 2018	Arch. Design and Bldg. Const.	12		
31.	Roohan Segel	July - Dec., 2017	Arts Appreciation	9	B.F.A, 1993	-
		Jan - May, 2018	Arts Appreciation	9		
32.	Sambuddha Sen	July - Dec., 2017	Arch. Design	9	B. Arch. 1973	CA/75/73 6
		Jan - May, 2018	Arch. Thesis and Thesis Book	9		
33.	Sandip Kumar	July - Dec., 2017	Arch. Design	9	B. Arch., 1992	CA/94/17 309
		Jan - May, 2018	Arch. Thesis and Thesis Book	9		
34.	Satish Kumar Khanna	July - Dec., 2017	Arch. Design, Bldg. Mgmt. and Dissertation	13	B. Arch, 1972	CA/75/44 8
		Jan - May, 2018	Arch. Thesis and Tech. Study	12		
35.	Satyakam Saha	July - Dec., 2017	Arch. Design, Visual Arts and Basic Design and Elective	14	B. Arch., 1995	CA/1998/ 22480

		Jan - May, 2018	Arch. Design, Visual Arts and Basic Design and Elective	13	M.F.A, 2003	
36.	Shiriesh Malpani	July - Dec., 2017	Arch. Design	9	B. Arch, 1978	CA/79/53 14
		Jan - May, 2018	Arch. Thesis	7		
37.	Sonia Kapre	July - Dec., 2017	Arch. Design and Bldg. Const.	12	B. Arch., 1977	CA/78/46 96
		Jan - May, 2018	Arch. Thesis, Tech. Study and Bldg. Mgmt.	12		
38.	Suneet Mohindru	July - Dec., 2017	Arch. Design	9	B. Arch. 1995,	CA/96/19 927
		Jan - May, 2018	Arch. Design and Thesis Book	9	M. Arch., 1997	
39.	Sushil Aggarwal	July -Dec., 2017	Arch. Design	9	B. Arch. 1984	CA/85/91 37
		Jan - May, 2018	Arch. Thesis and Tech. Study	10		
40.	Taranjit Singh	July - Dec., 2017	Arch. Design	9	B. Arch., 1990	CA/91/13 760
		Jan - May, 2018	-	-		
41.	Tarun Kumar	July - Dec., 2017	Arch. Design	9	B. Arch. 1996	CA/96/20 163
		Jan - May, 2018	-	-	M. Arch, 2000	
42.	Uday B. Kapre	July - Dec., 2017	-	-	B. Arch.,	CA/1980/ 05678
		Jan - May, 2018	Arch. Design and Tech. Study	12		
43.	Vidya P. Agarwal	July - Dec., 2017	Theory of Structures	10	B.Tech, 1970	FIE
		Jan - May, 2018	Theory of Structures	10	M. Engg, 1971	
44.	Vijay Garg	July - Dec., 2017	Arch. Design and Bldg. Const.	12	B. Arch., 1989,	CA/13667
		Jan - May, 2018	Arch. Design and Bldg. Const.	12	PGD (HRD), 1994	

### Visiting Faculty

S. No.	Name of the Visiting Professor	Semester	Subjects (Theory and Studios)	Hours, Week	Education al Qualifications	COA Registrati on
1.	Abha Kohli	July - Dec., 2017	Visual Arts and Basic Design	5	Dip. in V. Comm. (NID), 1991	--
		Jan - May, 2018	Visual Arts and Basic Design	6		
2.	Abhishek Bij	July - Dec., 2017	Seminar	5	B. Arch., 2006	CA/2007/4 0279
		Jan - May, 2018	-	-	M. Arch.,	
3.	Abhishek Sorampuri	July - Dec., 2017	Elective and Dissertation	4	B. Arch., 2011	CA/2011/5 4271
		Jan - May, 2018	-	-		
4.	Abid Husain	July - Dec., 2017	-	-	B.Sc., 1980	-
		Jan - May, 2018	Building Science and Services	4		
5.	Aditi Kundu	July - Dec., 2017	Theory of Design and Professional Communication	5	B. Arch., 1999	CA/2008/4 2836
		Jan - May, 2018	-	-	M. Arch.,	
6.	Ajay Kumar	July - Dec., 2017	Computers and Arch. Design	7	B. Arch., 2009	-
		Jan - May, 2018	Arch. Design	8	M. Des., 2012	
7.	Akshay Kumar Gupta	July - Dec., 2017	Arch. Design	6	B. Arch., 2008	CA/2009/4 5916
		Jan - May, 2018	-	-	M. Sc.	
8.	Akshay Shrinagesh	July - Dec., 2017	Arch. Design	8	B. Arch., 2002	CA/2003/3 1541

		Jan - May, 2018	Arch. Design	8		
9.	Alpna Rohatgi	July - Dec., 2017	Theory of Design	2	B. Arch., 1998,	CA/98/239 81
		Jan - May, 2018	-	-	M. Des., 2001	
10.	Amar Puri	July - Dec., 2017	Building Construction	6	B. Arch., 1973	CA/77/370 0
		Jan - May, 2018	-	-		
11.	Amardeep Labana	July - Dec., 2017	Arch. Design and Workshop	11	B. Arch., 2003	CA/2005/3 5109
		Jan - May, 2018	Arch. Design	8	MSAUD, 2009	
12.	Amardeep Singh	July - Dec., 2017	Arch. Design	6	B. Arch., 1989	CA/1989/1 2692
		Jan - May, 2018	-	-		
13.	Amarjit Singh	July - Dec., 2017	Building Construction	4	B. Arch., 1982	CA/1983/7 655
		Jan - May, 2018	Building Construction	4		
14.	Ameet Babbar	July - Dec., 2017	Arch. Design	5	B. Arch.,	CA/1998/2 3133
		Jan - May, 2018	-	-		
15.	Amit Kumar	July - Dec., 2017	Computers	9	B. Arch.,	CA/2014/6 5878
		Jan - May, 2018	-	-		
16.	Amit Prabhakar	July - Dec., 2017	Arch. Design and Bldg. Const.	11	B. Arch, 2002	-
		Jan - May, 2018	Arch. Design	8		
17.	Amit Kumar Sarma	July - Dec., 2017	Elective	2	B. Arch., 2002	CA/2005/3 5619
		Jan - May, 2018	Thesis Book	2	M. Sc., 2006	
18.	Anamika Bagchi	July - Dec., 2017	Dissertation and UD Research	4	B. Arch., 2004	CA/2010/4 8769
		Jan - May,	Thesis Book	2	M. Arch.,	

		2018			2006	
19.	Anjali Krishan	July - Dec., 2017	Building Construction	5	B. Arch., 1984	CA/1985/9214
		Jan - May, 2018	-	-		
20.	Anupam Kashyap	July - Dec., 2017	History of Architecture	2	B. Arch., 1995	-
		Jan - May, 2018	History of Architecture	2	M. LA	
21.	Anvita Arora	July - Dec., 2017	Seminar	3	B. Arch.	-
		Jan - May, 2018	-	-	M. Plan, Ph.D	
22.	Archana Gupta	July - Dec., 2017	Seminar	3	Dip. In Arch., 1997,	-
		Jan - May, 2018	-	-	M.Sc. in Sustainable Development , 2009	
23.	Archana Khanna	July - Dec., 2017	UD Research	2	B. Arch., 1991,	CA/92/14678
		Jan - May, 2018	-	-	MUD, 1993	
24.	Arun Dev	July - Dec., 2017	Visual Arts and Basic Design	6	BFA, 2004	-
		Jan - May, 2018	Visual Arts and Basic Design	9	MFA, 2007	
25.	Asim Waqif	July - Dec., 2017	Visual Arts and Basic Design	6		-
		Jan - May, 2018	-	-		
26.	Balpreet Singh Madan	July - Dec., 2017	Computers	9	B. Arch., 2007	CA/2010/48974
		Jan - May, 2018	Computers and Elective	12		
27.	Barun Aggarwal	July - Dec., 2017	Elective	2	MBA	-
		Jan - May, 2018	-	-		

28.	Bhavna	July - Dec., 2017	Building Management	3	B. Arch., 2012	CA/2013/61255
		Jan - May, 2018	-	-		
29.	Deepak Taneja	July - Dec., 2017	-	-	B. Arch., 1992	CA/1993/16046
		Jan - May, 2018	Arch. Thesis	7		
30.	Deependra Prashad	July - Dec., 2017	Arch. Design	4	B. Arch.,	CA/1996/19502
		Jan - May, 2018	-	-		
31.	Deepti Jain	July - Dec., 2017	Visual Arts and Basic Design	5	Dip. In Design (NID), 2009	-
		Jan - May, 2018	-	-		
32.	Dhiraj K. Khanna	July - Dec., 2017	Building Construction	5	B. Arch, SPA, 2000	CA/2001/27412
		Jan - May, 2018	Building Construction	5		
33.	Fozail Misbah	July - Dec., 2017	Building Management	3	B. Tech., 2008	-
		Jan - May, 2018	-	-	MBEM, 2015	
34.	Francis Joseph	July - Dec., 2017	Visual Arts and Basic Design	9	B.E. (Mech.)1988,	-
		Jan - May, 2018	Visual Arts and Basic Design	12	AEP Produce Design Diploma, 1991	
35.	Gaurav Sharma	July - Dec., 2017	Arch. Design, Dissertation	11	B. Arch, 2002,	CA/2002/30516
		Jan - May, 2018	Arch. Design	9	M.Sc. (AC), 2006	
36.	Gaurav Shorey	July - Dec., 2017	Elective	2	B. Arch., 2004	CA/2016/77794
		Jan - May, 2018	-	-	PG Dip. in Advanced Construction Mgmt., 2006	

37.	Gauri S Gandhi	July - Dec., 2017	-	-	B. Arch., 2001	CA/2002/30152
		Jan - May, 2018	Arch. Design	8	M. Arch	
38.	Geeta Wahidua	July - Dec., 2017	Elective	2	IIA, 1994	-
		Jan - May, 2018	-	-	M. Arch.,	
39.	Hemanshu Joshi	July - Dec., 2017	Professional Communications	3	MBA, 2007	-
		Jan - May, 2018	Professional Communications	3		
40.	Hrishikesh	July - Dec., 2017	Workshop	6	Chem. (H), 1998	-
		Jan - May, 2018	-	-		
41.	Isha Anand	July - Dec., 2017	Seminar	3	B. Arch., 2006	CA/2007/39544
		Jan - May, 2018	-	-	M. Arch.	
42.	Jensil John	July - Dec., 2017	Arch. Design	9	B. Arch., 2006	CA/2007/40764
		Jan - May, 2018	-	-	M. Arch., 2011	
43.	Joy Mondal	July - Dec., 2017	Elective	2	B. Arch., 2012	-
		Jan - May, 2018	-	-		
44.	Kailash Chand Yadav	July - Dec., 2017	Theory of Structures	6	B.E., 1987	-
		Jan - May, 2018	Theory of Structures	6	M. Tech.	
45.	Kanishka Prasad	July - Dec., 2017	Seminar	3	B. Arch., 2012	-
		Jan - May, 2018	-	-		
46.	Kapil Chaudhary	July - Dec., 2017	-	-	AIE, Civil	-
		Jan - May, 2018	Structures	4		
47.	Khushal	July - Dec.,	Building	4	B. Arch.,	CA/2011/5

	Matai	2017	Science and Services		2009	2846
		Jan - May, 2018	Building Science and Services	2	M. Arch., 2014	
48.	Kush Sethi	July - Dec., 2017	Elective	2	B. Sc., 2011	-
		Jan - May, 2018	-	-	M. Sc.	
49.	Lena Ragade Gupta	July - Dec., 2017	Theory of Design	2	B. Arch., 1995	CA/1997/2 1360
		Jan - May, 2018	-	-		
50.	Manish Gulati	July - Dec., 2017	-	-	B. Arch., 1999	CA/2004/3 4748
		Jan - May, 2018	Arch. Thesis and Tech. Study	10		
51.	Manish Jain	July - Dec., 2017	Building Management	7	B. Arch., 1988	CA/88/118 83
		Jan - May, 2018	Building Management	4	MBEM, 1990	
52.	Manjari Khanna	July - Dec., 2017	-	-	B. Arch., 1994	CA/1995/1 8665
		Jan - May, 2018	Building Science and Services	6		
53.	Meena Murthy Kakkar	July - Dec., 2017	Arch. Design and Elective	10	B. Arch., 2002	CA/2003/3 0743
		Jan - May, 2018	Arch. Design	8		
54.	Mohd. A Pasha	July - Dec., 2017	Building Construction	7	B. Arch. 2003	CA/2003/3 1300
		Jan - May, 2018	Building Construction	9		
55.	Mohit Kumar	July - Dec., 2017	Building Construction	3	B. Arch, SPA, 1999	CA/99/252 67
		Jan - May, 2018	-	-	MBA, 2013	
56.	Mohit Verma	July - Dec., 2017	Arch. Design, Bldg. Sc. and Services and Elective	12	B. Arch., 1999	CA/2000/2 6264



		Jan - May, 2018	Arch. Design and Elective	10		
57.	Mukesh Jain	July - Dec., 2017	Theory of Structures	3	AMIE, Civil Engg., 1986	-
		Jan - May, 2018	Theory of Structures	6	MBA, Real Estate, 2009	
58.	Nidhi Batra	July - Dec., 2017	Seminar	3		-
		Jan - May, 2018	-	-	M. Arch.,	
59.	Nikhil Segel	July - Dec., 2017	Building Science and Services	6	B. Arch., 1994	CA/1995/18442
		Jan - May, 2018	-	-		
60.	Nimesh Pilla	July - Dec., 2017	Elective	2	B. Arch., 2005	-
		Jan - May, 2018	-	-	M. Des., 2008	
61.	Nitin Bansal	July - Dec., 2017	Seminar	3	B. Arch.,	-
		Jan - May, 2018	-	-	M. Sc.	
62.	P.C. Jain	July - Dec., 2017	-	-	B.Sc. (Engg), 1957, MSME, 1960, Ph.D, 1967	Registered with IE
		Jan - May, 2018	Building Science and Services	2		
63.	P.C. Jethi	July - Dec., 2017	Building Construction	4	N.D. Arch., 1974	CA/76/2654
		Jan - May, 2018	-	-		
64.	P.R. Mehta	July - Dec., 2017	-	-	B. Arch , 1976	CA/77/3604
		Jan - May, 2018	Professional Practice	2	PG Dip in Arch (UD), 1979	
65.	Pallav Kumar Agrawal	July - Dec., 2017	Elective	2	B. Arch., 2007	CA/2009/44574
		Jan - May, 2018	-	-		
66.	Pankaj Khanna	July - Dec., 2017	Arch. Design	3	B.E. (Civil), 2000	-

		Jan - May, 2018	Building Construction	3	M. Sc., 2006	
67.	Parul Walecha	July - Dec., 2017	Arch. Design and Visual Arts and Basic Design	12	B. Arch., 1994	CA/95/19043
		Jan - May, 2018	Building Construction	3		
68.	Pavan Buragohain	July - Dec., 2017	Visual Arts and Basic Design	15	Dip. (Animation Design), 1994	-
		Jan - May, 2018	Visual Arts and Basic Design	9		
69.	Peu Banerjee	July - Dec., 2017	Arch. Design	8	B. Arch, 1992	CA/93/16363
		Jan - May, 2018	Arch. Design	8	M.Phil, 2005	
70.	Prasanta Mukherjee	July - Dec., 2017	Visual Arts and Basic Design	15	BFA, 1988	-
		Jan - May, 2018	Visual Arts and Basic Design	9	MFA, 1990	
71.	Puneet Garg	July - Dec., 2017	Building Management	3	B. Tech., 2012	-
		Jan - May, 2018	-	-	MBEM	
72.	Rahul K. Patel	July - Dec., 2017	Building Management	2	BE, 1984	-
		Jan - May, 2018	-	-		
73.	Rahul Sen	July - Dec., 2017	Arch. Design and Dissertation	11	B. Arch, 2000	CA/2002/29788
		Jan - May, 2018	Arch. Thesis and Thesis Book	9		
74.	Rajesh Dongre	July - Dec., 2017	-	-	B. Arch., 1993	CA/94/17920
		Jan - May, 2018	Arch. Thesis	7	M. Arch., 1999	

75.	Rajiv Bhakat	July - Dec., 2017	Seminar	5	B. Arch, 2000	CA/2001/2776
		Jan - May, 2018	-	-	M. Arch, 2002	
76.	Ramneet Kaur	July - Dec., 2017	Computers and Bldg. Const.	4	B. Arch., 2009	CA/2010/48939
		Jan - May, 2018	Computers and Bldg. Const.	6	M. ID,	
77.	Rashmi B. Tandon	July - Dec., 2017	Dissertation	2	B. Arch, 1996	CA/97/21635
		Jan - May, 2018	-	-	PG Dip. URP, 1998	
78.	Ratna Khanna	July - Dec., 2017	-	-	BFA. 2006	-
		Jan - May, 2018	Visual Arts and Basic Design	9	MFA	
79.	Ravindra Swaroop	July - Dec., 2017	Theory of Structures	8	BE, 1966 M. Tech, 1977	Registered with IE
		Jan - May, 2018	-	-	PhD, 1983	
80.	Reema Jain	July - Dec., 2017	Building Construction	3	B. Arch., 2002	CA/2003/31295
		Jan - May, 2018	-	-		
81.	Rita John	July - Dec., 2017	Visual Arts and Basic Design	9	B. Arch., 2010	CA/2011/53697
		Jan - May, 2018	-	-		
82.	Rohit Jain	July - Dec., 2017	Building Management	4	B. Arch.,	CA/1992/15407
		Jan - May, 2018	Professional Practice	4	M. BEM	
83.	Rohit Kumar	July - Dec., 2017	-	-	Dip. Civil Engg., 2002	-
		Jan - May, 2018	Arch. Design and Surveying and Levelling	4		
84.	Ruchita	July - Dec.,	Workshop and	7	B. Arch.,	CA/2011/5

	Dasgupta	2017	Structures		2009	1486
		Jan - May, 2018	-	-	M. Sc.	
85.	Sachin Rastogi	July - Dec., 2017	Arch. Design	5	B. Arch, 2006	Nil
		Jan - May, 2018	-	-	M.Sc., 2007	
86.	Sakshi Jain	July - Dec., 2017	Computers and Structures	7	B. Arch., 2010	CA/2011/52462
		Jan - May, 2018	Computers, Structures and Bldg. Const.	9	M. Arch., 2016	
87.	Sameer Divekar	July - Dec., 2017	Building Science and Services	4	B. Arch., 2006	CA/2006/38960
		Jan - May, 2018	-	-		
88.	Sandal Kapoor	July - Dec., 2017	Arch. Design and Bldg. Const.	12	B. Arch., 2011	CA/2012/56510
		Jan - May, 2018	Professional Practice	2		
89.	Sanjay Mehra	July - Dec., 2017	Bldg. Const. and Elective	6	B. Arch, 1986	CA/87/10938
		Jan - May, 2018	Building Construction	4	M. Arch., 1991	
90.	Sarover Zaidi	July - Dec., 2017	Arch. Design and Professional Comm.	6	B.A. Philosophy, 2000	-
		Jan - May, 2018	Professional Communications	3	M.A. Sociology, 2003	
91.	Sheily Shrivastav	July - Dec., 2017	Building Construction	3	B. Arch., 1985	CA/1986/10235
		Jan - May, 2018	-	-		
92.	Shruti Maheshwari	July - Dec., 2017	Building Management	5	B. Arch, 2002	CA/2003/31259
		Jan - May, 2018	Building Management	5	PG in Con. Project Mgmt., 2009	
93.	Shuka Jain	July - Dec.,	Visual Arts	5	BFA, 1988	-

		2017	and Basic Design			
		Jan - May, 2018	Visual Arts and Basic Design	9		
94.	Smanla Dorje Nurboo	July - Dec., 2017	Elective	2		-
		Jan - May, 2018	-	-		
95.	Sonal Singh	July - Dec., 2017	Workshop and Bldg. Const.	6	B. Arch., 2005	CA/2008/4 1850
		Jan - May, 2018	-	-	M. Arch.,	
96.	Sudhir Prakash	July - Dec., 2017	Computers	7	B. Arch., 2010	CA/2010/4 9983
		Jan - May, 2018	Computers	10		
97.	Sudipto Ghosh	July - Dec., 2017	Arch. Design	4	Dip. in B. Arch., 1997	CA/99/247 42
		Jan - May, 2018	-	-	M.S. Arch, USA	
98.	Suditya Sinha	July - Dec., 2017	Seminar	3	B. Arch., 2003	CA/2004/3 3518
		Jan - May, 2018	Professional Practice	2		
99.	Suparna Ghosh	July - Dec., 2017	Arch. Design	8	B. Arch., 2007	CA/2008/4 2732
		Jan - May, 2018	Arch. Design	8	M. Arch., 2011	
100.	Sushant Verma	July - Dec., 2017	Seminar	3	B. Arch.,	-
		Jan - May, 2018	-	-		
101.	Swati Janu	July - Dec., 2017	Arch. Design	8	B. Arch., 2008	CA/2009/4 5414
		Jan - May, 2018	Arch. Design	8	M. Sc., 2016	
102.	Taniya Sanyal	July - Dec., 2017	Arch. Design and Visual Arts and Basic Design	12	B. Arch., 2007	CA/2008/4 2707
		Jan - May, 2018	Arch. Design	8	M. BEM, 2009	

103.	Tanuj Agarwal	July - Dec., 2017	Building Construction	3	B. Arch., 1992	CA/93/160 74
		Jan - May, 2018	-	-		
104.	Tapan Bhowmik	July - Dec., 2017	Arts Appreciation	6	N. Dip in Painting, 1971	-
		Jan - May, 2018	Arts Appreciation	6		
105.	Taqdees Anjum	July - Dec., 2017	Building Management	3	B. Tech., 2012	-
		Jan - May, 2018	-	-	MBEM, 2015	
106.	Tushar Agrawal	July - Dec., 2017	Building Construction	6	B. Arch., 1996	CA/1997/2 0943
		Jan - May, 2018	Professional Practice	2		
107.	Vaibhav Dimri	July - Dec., 2017	-	-	B. Arch., 2001	CA/2001/2 8248
		Jan - May, 2018	Arch. Thesis and Thesis Book	9		
108.	Vandana Balakrishnan	July - Dec., 2017	Arch. Design	4	B. Arch., 1993	CA/95/183 15
		Jan - May, 2018	-		M. Arch., 1995	
109.	Vandini Mehta	July - Dec., 2017	Seminar	5	B. Arch., 1997	CA/1999/2 4735
		Jan - May, 2018	-	-	M. Arch., 2005	
110.	Varun Seth	July - Dec., 2017	Bldg. Mgmt. and Bldg. Const.	5	B. Arch., 2013	CA/2014/6 3976
		Jan - May, 2018	-	-	MBEM, 2016	
111.	Vijay Matange	July - Dec., 2017	Arch. Design	9	B. Arch., 1985	CA/1985/1 977
		Jan - May, 2018	Arch. Thesis	7	M. Arch., 1987	
112.	Vikas Gandhi	July - Dec., 2017	Arch. Design	8	B. Arch, 2001	CA/2002/2 9388
		Jan - May, 2018	Arch. Design	8	MCA	
113.	Vikas	July - Dec.,	UD Research	3	B. Arch.,	

	Kanojia	2017			2000,	CA/2001/2 7442
		Jan - May, 2018	Arch. Thesis and Thesis Book	9	M. Arch., 2004	
114.	Vishal Ranjan	July - Dec., 2017	Visual Arts and Basic Design	15	BFA, 2012	-
		Jan - May, 2018	Visual Arts and Basic Design	9	MFA, 2015	
115.	Vivek Varma	July - Dec., 2017	Building Construction	7	B. Arch., 1985	CA/86/997 9
		Jan - May, 2018	Building Construction	7		

**(b) Details of special lectures undertaken in the department**

S. No.	Date	Name of the Experts	Topic of Special Lecture
1.	09.08.2017	Harsh Mandar, IAS	Living Homeless on Delhi Streets
2.	09.08.2017	Sudipto Ghosh	Lucknow Airport Terminal Building
3.	16.08.2017	Sujoy Dey	Terminal Building Capacity Calculations
4.	21.08.2017	Sumit Aggarwal	Indore Airport Terminal Building
5.	23.08.2017	Ravi Shankar	Large Spans at Various Airport
6.	25.08.2017	Jatin Singh	Climate Change: Trends and Patterns in the next 20 years
7.	28.08.2017	Mnn Rao	Goa Airport
8.	04.09.2017	Gaurav Shorey	Sustainability and Vernacular Architecture
9.	06.09.2017	Gautam Ghai	Technological Manifestations in Everyday Life Processes
10.	13.09.2017	Tapan K. Chakravarty	Positioning 'Vernacular' in Architecture
11.	13.09.2017	Madhav Raman, Rajiv Bhakat and Amritha Ballal	Do Buildings Speak?
12.	15.09.2017	Akriti Singh	Responsibility of an Artist / Designer towards Society
13.	15.09.2017	Abhishek Upadhyay	The future of E-Commerce in India
14.	20.09.2017	Kamal Meattle	Health, Wellness, Improving Productivity and Cognitive Ability in

			Built Environment
15.	11.10.2017	Sohrab Dalal	IT and ITES Campus Planning and Design
16.	23.10.2017	Jaspal Kalra	Crafts Sector and the Aspirations of Artisans
17.	24.10.2017	Vinod Kumar Pandey	Demonstration on 3D Printing
18.	25.10.2017	Ebba Koch	The Taj Mahal and Mughal Agra
19.	15.11.2017	Shiekh Intekhab Alam	Role of Landscape as Integral to Architecture
20.	31.01.2018	Aishwarya Tipnis	History and Heritage of the Hooghly towns- case of Chandannagar
21.	05.02.2018	Deependra Prashad	Indira Paryawaran Bhawan
22.	16.02.2018	Avijit Mukul Kishore and Rohan Shivkumar	Screening of film: <i>Nostalgia for the Future</i>
23.	19.02.2018	Gaurav Shorey	Pre-Design Strategies for Sustainable Architectural Design
24.	19.02.2018	Gaurav Shorey	Ecotect Software for Simulation : <i>Nostalgia for the future</i>
25.	26.03.2018	Abhay A. Ghate	Structural Systems for Multistory Buildings
26.	26.03.2018	Abhay A. Ghate	Structural Integrity in Proposed Designs
27.	27.03.2018	Reema Jain	Curtain Wall and Structural Glazing
28.	04.04.2018	Faizan Nabi	History of Nizamuddin Basti
29.	04.04.2018	Mohammed Rashid	Significance of the Nizamuddin Dargah and Jamatkhana Masjid
30.	04.04.2018	Aamit Ahmed	Site of the Humanyun Tomb
31.	05.04.2018 and 12.04.2018	Manjari Khanna Kapoor	Integrating Learning from BSS Lectures in Design Proposals
32.	09.04.2018 and 19.04.2018	Sachin Rastogi	For Learning / Teaching Ecotact Software
33.	11.04.2018 and 12.04.2018	Amita Khodankar	Basic and Advanced Methods of Perspective Drawing and Sciagraphy
34.	12.04.2018	Manjari Khanna Kapoor	Integrating Learning from BSS Lectures in Design Proposals
35.	19.04.2018	Sachin Rastogi	For Learning / Teaching Ecotact Software

**8. Department involvement in inter disciplinary programs and names of other departments involvement.**

Nil



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

None

**10. Semester-wise details of the studio work undertaken by the students:**

Name of the studio	Precise objectives of the studio	Case study description	Major conclusions and outcomes
<b>August to December, 2017</b>			
Architectural Design I: Studio Director, Section A- <b>Arpita Dayal</b>	Development of design communication through architectural language drawings, graphics, models etc. Development of design thinking through knowledge, self - awareness, process of observe-focus-analysis, critical abstract and lateral thinking Development of basic design skills of observation, dexterity, representation, drawing and model making.		Generation of simple and complex compositions using primary elements to develop an explorative understanding with an Improved visual perception  Development of basic representation skills and material dexterity using architectural vocabulary  Understanding the third dimension as space and its constituents  Holistic comprehension of basic design with a focus on design process  Theory and studio based subjects taught through an integrated approach for effective learning  Peer learning and assessment with the design studio an important center for learning
Architectural Design I : Studio Director, Section	Understand the Principles of Design and Elements of	Sharing and discussing with the students	Understanding and learning by observing, doing and analyzing.

<p><b>B – Aarti Nagpal</b></p>	<p><b>Composition.</b></p> <p>Develop skills of sketching, orthographic representations, drafting and model making.</p> <p>Understand design as a process. Develop and communicate effectively concepts and ideas through sketches, drawings and models.</p>	<p>various exercises similar in nature done in other schools. Exposing them to quality works of high standards of seniors and other students and encourage them to strive and emulate it. Measure drawing exercise learnt through measuring and drawing the Temple Complex at Kiraru, District Barmer in Rajasthan.</p>	<p>Understand, appreciate and think on the various approaches in the creative processes/design. To be able to independently make a rational choice and attempt to take it to its logical conclusion.</p> <p>Develop skills of sketching, drafting and model making through practice and rigor.</p> <p>Encouraging the students to explore independently, freely and to think out of the box</p>
<p><b>Architectural Design III: Studio Director, Section A - Mekhla Parihar</b></p>	<p>To study, observe and understand the role of culture as a guiding force in creating spaces.</p> <p>Introduce students to the social, economic and physical environment, climate of the place, materials and methods of construction and their impact on architecture in any given setting.</p> <p>Focus on the relationship between topographic survey, geological survey, documentation of flora and fauna and their relationship to the</p>	<p>Haridwar and Mohand near Dehradun, Uttarakhand were the main study area for the settlement study. The intent is to introduce the connection between architecture and culture.</p> <p>The vernacular study studio was based on the transition and transformations in the society from a nomadic community to a settled</p>	<p>Educating students to connect our past, present and future architecturally by studying a village with elements of traditional architecture which is also undergoing changes due to changing societal aspirations.</p> <p>Helping students develop a deeper sensitivity towards different cultures.</p> <p>Ability to analyse, design, document and communicate spatial transformations through architectural drawings, sketches, 3D physical models and 3D models using various software.</p>

	<p>habitat.</p> <p>To explore all the above mentioned dimensions in contrasting contexts of urban and rural.</p> <p>The projects included during the semester  (a) Urban House Design  (b) Documentation of Settlement  (c) Architectural Intervention based on students analysis of the settlement and the surrounding areas.</p>	<p>community.</p> <p>Students also visited the Forest Research Institute in Dehradun. The focus is to introduce students about building material from forests like timber, bamboo and wild grasses and also to understand the impact of geology on landform, natural materials and vernacular architecture.</p>	<p>Creating a new architectural vocabulary through amalgamation of vernacular and contemporary building techniques.</p> <p>Ability to work in teams.</p>
<p>Architectural Design III: Studio Director, Section B - <b>Parul Kiri Roy</b></p>	<p>Understand the concept of 'home'/ house. Explore and analyse tangible and intangibles requirements of user and translate these into designed space.</p> <p>Engaging with the field Understand a place through study of the built environment/ Articulate and analyse/ Represent findings and communicate learning. Creation of a contextual brief as per the context.</p> <p>Design a dwelling including workspace+ a</p>	<p>Develop an understanding of traditional dwelling/s of Chanderi based on how people inhabit space in relation to daily activities, occupation, gender, age. Architectural tectonics was documented through studying the materials used, the construction system and its details.</p>	<p>Students learnt the skill to ask relevant questions to assess user needs and record these in a structured way. Using this information, they created the design project brief including a broad vision, physical and intangible requirements. How to read into a place, analyse the site to grasp the potential and formulate a well thought design strategy. Further, using all the data generated (related to place, user or site) to then come up with a project befitting the setting. Students went through an intense design process</p>

	<p>public interface relating with community in the context of Chanderi. Begin with working out Architectural Tectonics. Create design Brief through understanding user and delayering site-context, Area Program and Analysis. Further develop the Concept, Resolution and Detail the project.</p>	<p>The objective of the study in this semester is to document and analyse the original spatiality of the town of Chanderi with a special focus on the weaver's community. The study is to emphasize on spatial practices at three scales- at the settlement level; at the cluster level and at the level of the individual habitat. Learning from indigenous knowledge and responding to current day social aspirations through development of a built environment suitable to the community, will be the primary focus of the Design studio.</p>	<p>and realized that design is not linear. Development of necessary skills- observation, documentation and analysis as part of field work on site. The ability to communicate the same through architectural drawings (2D and 3D) and graphic methods- diagrams, sketches, photography, videos.</p>
<p>Architectural Design III: Studio Director, Section C: <b>Saptarshi Sanyal</b></p>	<ul style="list-style-type: none"> <li>• To understand how personal attributes can be used to create an architectural program</li> <li>• To conceptualise, develop and refine a design for a single</li> </ul>	<ul style="list-style-type: none"> <li>(i) East Patel Nagar, New Delhi (site studies);</li> <li>(ii) Nasik, Maharashtra</li> </ul>	<p><b>Major Project 1:</b> Single-family residence, East Patel Nagar, Delhi- approx. 300 sq m built area (no bye-laws except front setback) in the selected site (150 sq m);</p>

	<p>family in an urban setting: how site conditions and program requirements impact architectural design</p> <ul style="list-style-type: none"> <li>• How can one innovate in the present time and environment, yet make a new building which is a 'GOOD FIT' within a traditional context?</li> <li>• How does the architect design for a program satisfy not only the external aspects of a building's setting, but also works efficiently?</li> </ul>	<p>(Panchavati/ Nashik area) – study of 5 types of residential building types in the context and create an architectural inventory</p>	<p>Deliverables: Model @ 1:100 (shown within larger setting); concept and vision for home (exterior and interior); accompanying architectural documentation – plans, sections, elevations, blow-ups</p> <p><b>Major Project 2:</b> rentable mixed-use dwelling, Near Sardar Chowk, Panchavati, Nashik approx. 1800 sq m built area in the selected site (550 sq m)</p> <p>Deliverables: Model @ 1:200 (shown within larger setting); concept and vision and accompanying architectural documentation – plans, sections, elevations, blow-ups; concept for spatial planning and construction</p>
<p><b>Anjali Mittal</b></p>	<p>Studio objective:</p> <p>The fourth year students at the School of Planning and Architecture offer a choice-based studio. Housing studio is one of the four choice-based studio this year. The Housing studio aimed at responding to gaps in the current models for Social housing and development models</p>	<p>Site:</p> <p>The site is located in close proximity of Subhash Nagar Metro station and the Pacific Mall. It currently houses two notified JJ Clusters - Shyam Nagar and Sikari Bhatta. The total Site Area = 26,260 sq m or 6.5 acres.</p>	<p>Project:</p> <p>The project particularly focused on the following:</p> <ul style="list-style-type: none"> <li>• Socially sustainable models</li> <li>• Livability and quality of spaces</li> <li>• Design attitude towards disparate social groups</li> <li>• Efficiency of unit design</li> <li>• Exploring architectural design as a tool to provide solutions to Density.</li> </ul>

	<p>for high-density. The studio had three fold-agenda:</p> <ul style="list-style-type: none"> <li>• Livelihood and Livability</li> <li>• Sustainable Communities</li> <li>• Density and Numbers</li> </ul>	<p>The objective of the studio was to test out high density models and flexibility was provided with regard to Ground Coverage and FAR. The program consists of two components- Rehab and Saleable with a TOTAL of 1,350 DUs.</p>	
<p>Architectural Design V: Studio Director, Section A: <b>Rajaprakash P.</b></p>	<p>Proposed Theme: Solar Responsive Design</p> <p>Objectives:</p> <ul style="list-style-type: none"> <li>• The objective of this studio was to introduce to various Passive Solar Design Concepts and techniques in response to a given climatic zone and there applications in the Design and Ideation process.</li> <li>• The site and its context were an important aspect of the design. Major Focus was given to their relationship with the built environment and its surrounding landscape.</li> </ul>	<p>Educational tour to Ahmedabad:</p> <p>Duration : Mid – September 2017</p> <ul style="list-style-type: none"> <li>• The Ahmedabad trip was outlined around the study of the vast institutional area it houses along with the rich culture and architectural heritage.</li> <li>• The students visited around major institutions such as CEPT University</li> </ul>	<p>Project 1 : Cube Design</p> <p>Duration: August – Mid September (2017)</p> <p>Project brief:</p> <ul style="list-style-type: none"> <li>• To design a 10 m x 10 m x 10 m mixed use space that is climatically responsive in Passive ways.</li> <li>• A contoured site was chosen with an abstract context in a composite climate zone.</li> <li>• The programme demanded an open office plan facilitated with a guest house and a multipurpose hall.</li> </ul> <p>Project 2: Amrut Modi School of Management, Ahmedabad</p>

	<ul style="list-style-type: none"> <li>• Introduction to Design of Service Core and analysis of structural details in reference to the final design.</li> </ul>	<p>,IIM Ahmedabad and NID in order to get a sense of open campuses where the environment and NID in order to get a sense of open campuses where the environment and built mass work as a whole.</p> <ul style="list-style-type: none"> <li>• The site for the semester's final project was chosen next to the CEPT Campus.</li> <li>• Special lecture was held in the IIM Campus by Ar. Chirashree Thakkar on the sustainable concept applied by her in the Campus.</li> <li>• The students toured around Ahmedabad's old city, its pols and baolis (step wells) to get a gist of the macro level context. They also visited</li> </ul>	<p>Duration: Mid - September – November (2017)</p> <p>Site: Ahmedabad, Gujarat</p> <p>Site Area: 16000 sq. m.</p> <p>Project brief:</p> <ul style="list-style-type: none"> <li>• To design a management institute - a live project proposed by Ahmedabad university</li> </ul> <p>In its phase 2 campus.</p> <ul style="list-style-type: none"> <li>• The site and its context demanded an elaborate analysis i. e. analysis of transportation, contextual buildings, vegetation and drainage patterns, climatic study and activity mapping.</li> <li>• The built area calculated was 2,500 sq m. with a ground coverage of 20 per cent.</li> <li>• The project was an integration of passivesolar concepts, techniques, structural systems and aesthetics of the design.</li> </ul>
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		Sangath, Gandhi Ashram, sarabhai House, Hussain DoshiGufa and the Sabarmati Riverfront.	
Architectural Design V: Studio Director, Section B: <b>Ranjana Mital</b>	Passive solar design	Previously identified nursing colleges	Students demonstrated an understanding and application of appropriate passive design strategies in the studio exercise.
Architectural Design V: Studio Director, Section C: <b>Deepti Gupta, Visiting Professor</b>			
Architectural Design VII: Studio Director, Section A: <b>Manoj Mathur</b>			
Architectural Design VII: Studio Director, Section B: <b>Anil Dewan</b>			
Architectural Design IX: Studio Director, Section A: <b>Aruna Ramani Grover</b>	Architectural Design: Semester IX As part of a choice based studio system 4 design projects were posed to the final year batch of 135 students, who were expected to work in groups of four. The projects were:  <ul style="list-style-type: none"> <li>• Redevelopment at Naoroji Nagar, New</li> </ul>	Case studies of similar profile in the city of Delhi. Studies of projects from all over the world.	Students demonstrated understanding of built form and movement systems in dense city fabric.  They learnt how to work in groups and take collective design decisions in an amicable manner.



	<p>Delhi</p> <ul style="list-style-type: none"> <li>• Redevelopment Of Netaji Nagar Government Housing</li> <li>• Transit Oriented Development at Sector 24, Rohini, New Delhi</li> <li>• Integration of ISBT and Commercial Development at Multi-modal Transit Hub, Sarai Kale Khan, New Delhi</li> <li>• Other than specific objectives related to the nature of development, context and nature of functions in each project the broad semester objectives were:</li> <li>• To understand this unique city location and develop a built-form open space structure based on the given program</li> <li>• To establish necessary suitable physical and temporal linkages to the surrounding environs to make the project area a catalyst of future growth;</li> <li>• To understand the requirements of retail, entertainment,</li> </ul>		
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	<p>residential, hospitality and office typologies; to generate design solutions for their seamless integration to create a public realm while maintaining the internal integrity of each use type.</p> <ul style="list-style-type: none"> <li>• To understand the principles of high-density mixed use development, as per the Delhi Master Plan 2021, its consequent development controls and building bye-laws as well as National Building Code of India 2015.</li> <li>• To examine the question of sustainability with respect to energy and water, ensuring suitable living/working conditions in terms of natural light, ventilation and seasonal climatic variations to generate an ecologically sound solutions</li> <li>• To learn the work ethics and discipline of group-work and deliver well explored and</li> </ul>		
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	argued solutions which reflect the collective in a wholesome manner.		
Architectural Design IX: Studio Director, Section B: <b>Jaya Kumar</b>			
<b>JANUARY TO MAY 2018</b>			
Architectural Design II: Studio Director, Section A: <b>Arpita Dayal</b>	<p>Expansion of spatial understanding from a singular to a plural scale</p> <p>Understand architecture as a combination of components put together</p> <p>Develop skills of observation, measurement, representation and drawing of built spaces</p> <p>Understand architecture at an elementary level and understand its relationship to the whole</p>	<p>The students studied and measured 5 gateways into the traditional city of Aurangabad and one baradari complex. They made detailed drawings and sketches of the gateways. A detailed documentation was done for the structures along with an analysis of construction systems and historical symbolism. Students visited and documented the exquisite sites of Ajanta and Ellora and also visited Daulatabad Fort, Bibi ka Maqbara and Panchakki.</p>	<p>Exposure and observation of architecture deconstructed into intelligible parts</p> <p>Reconstructing a space using these parts to create a space that has a formative meaning</p> <p>Reading and representation by understanding spaces as outcome of anthropometric dimensions</p> <p>Skills of recording, representation and rendering</p> <p>Develop Design thinking and skills and understand design process</p>
Architectural Design II: Studio Director, Section B: <b>Shweta Manchanda</b>			

<p>Architectural Design II: Studio Director, Section C: <b>Shuvojit Sarkar</b></p>	<p>Understanding perspective and sociography and using it as a tool to represent ideas</p> <p>Understand architecture as a assembly of various components</p> <p>Develop skills of observation, measurement, representation and drawing of built spaces through drawings and models.</p>	<p>The students of the class studied, measured and documented the Group of Temples at Kiraru, Distt. Barmer in Rajasthan. A detailed documentation was done for the group of Temples. An analysis of construction systems and history of the temple complex was also done.</p>	<p>Understanding spaces as outcome of anthropometric dimensions and analysing and representing them through drawings and models.</p> <p>Understanding of light and shade and depth as an important tool to create spatial experiences</p> <p>Skills of recording, representation through drawings. (free hand and drafting) and rendering through various mediums .</p> <p>Develop Design thinking ,skills and understanding design process</p>
<p>Architectural Design IV: Studio Director, Section A: <b>Mekhla Parihar</b></p>	<p>The studio explores :</p> <p>Urban Context – interpretation of site forces and reactions (what to abstract)</p> <p>Symbolism and Theory – manifestation into built form</p> <p>Form Generation and Internal Space - psychology and physiology</p> <p>Functional Design - considerations and their relation to form-generation aspects</p>	<p>Introduction to global architectural practitioners and analysis of their works to evolve “self”.</p> <p>Introduction to different community centers in India and abroad to understand different ideas for concept, application of materials etc.</p>	<p>Develop an understanding of the inter-relationship between form, self, and context in developing architectural expression for any space.</p> <p>Exposure to site planning, clustering, massing, landscaping and complexities related to finding the balance in design.</p> <p>Introduction to new materials, construction systems, structural systems and communication of these through complex geometries.</p>

	<p>The focus of the studio project is to create a new age “Sarai” that provides a year-round programme of independent cinema, theatre, comedy, exhibitions, workshops, festivals and more for the community members at New Friends Colony, New Delhi.</p> <p>To experience a ‘sense of place’ and find architectural methods to express it.</p>		<p>Using the learning of settlement study to design with vernacular construction techniques and materials while responding to the socio-cultural, economic and environmental conditions.</p>
<p>Architectural Design IV: Studio Director, Section B: <b>Parul Kiri Roy</b></p>	<p>Exercise in abstract thinking and quick intuitive making of space. Understanding the scale and character of space formed. The Sky and the Earth- Responding to the climate and topography/terrain of places located in Temperate (cold and mountainous) and Hot-humid and (coastal regions) within the country. Research, case study and design project.</p> <p>Looking at the interface of the town with the river- A study of Chuchura, Chandannagar and Srirampur along the Hooghly, West Bengal.</p>	<p>A study of the Chuchura, Chandannagar and Serampur along the Hooghly, West Bengal, three towns with a rich colonial history. The study is structured into three parts:</p> <p>I The City- Understanding the origin and transformation over time. City character and built expression. Precedents within European cities and similarities with towns across other</p>	<p>Students learnt the skill to ask relevant questions to assess user needs in an unfamiliar place and record these in a structured way. Using this information, they created the design project brief including a broad vision, physical and intangible requirements. How to read into a place, analyze the site to grasp the potential and formulate a well thought design strategy. Further, using all the data generated (related to place, community or site) to then come up with a project befitting the context. Development of necessary skills- observation, documentation and analysis as part of field work on site. The ability to</p>

	<p>Designing multipurpose public activity hub- Site Analysis, Design strategy based on immediate response to site and program, Learning from study, Area Program and Analysis, Generation of the built form, Design resolution and Architectural Tectonics</p>	<p>colonialized nations. People-culture, occupations and livelihoods.</p> <p>II The Edge- Significance of the river for the city. The diversity in architectural response to water- the colonial and the indigenous. The changing use of the river edge- religion, navigation, leisure, everyday activities.</p> <p>III The Block- Focuses on the typical neighbourhood unit that forms the city. The pond at the core and the conglomerate of houses, the street, the market and the 'adda'.</p>	<p>communicate the same through architectural drawings (2D and 3D) and graphic methods- diagrams, sketches, photography, videos.</p>
<p>Architectural Design IV: Studio Director, Section C: <b>Saptarshi Sanyal</b></p>	<ul style="list-style-type: none"> <li>To design an architectural response (institutional public building) in a historic context while responding to its topographic</li> </ul>	<p>Contextual Study: Jaisalmer Fort</p> <p>Spatial structures and transformation</p> <p>Hydrology and</p>	<p>Major Project: Centre for Desert Architecture, Jaisalmer – approx. 1,100 sq m of built area (no by-laws) in the selected site (900 sq m)</p> <p>Deliverables: Model @</p>

	<p>characteristics</p> <ul style="list-style-type: none"> <li>• Explore ideas of public spaces three-dimensionally through built, semi-built and open articulations of space, while responding to climatic conditions</li> <li>• To conceptually develop a structural, construction, and building-fabric concept that responds to the local conditions, in a contemporary building in the traditional setting</li> <li>• To design multiple uses in a public facility integrated into the overall three - dimensional scheme of building and landscape</li> </ul>	<p>sanitation</p> <p>Architectural vocabulary</p> <p>Construction systems in urban settlement in the desert</p>	<p>1:200 (shown within setting); concept and vision– spatial (exterior and interior); accompanying architectural documentation – plans, sections, elevations, blow-ups (at designer discretion)</p>
<p>Architectural Design VI: Studio Director, Section A: <b>Rajaprakash P.</b></p>	<p>Proposed Theme : Energy Efficient Design Strategies</p> <p>Course objective:</p> <ul style="list-style-type: none"> <li>• Students should be able to demonstrate through their design their understanding of energy efficient systems, structural systems, services and construction systems in the design of a modern medium to high rise building in the urban</li> </ul>	<p>Field Visit to Hyderabad:</p> <p>Duration : February 2018</p> <ul style="list-style-type: none"> <li>• The Hyderabad trip was outlined around the study of the Commercial Hub along with the rich culture and architectural heritage.</li> <li>• The students visited around</li> </ul>	<p>Project 1: Kashmere Gate Proposal</p> <p>Duration : January 2018 Site: Kashmiri Gate, New Delhi</p> <p>Project brief :</p> <ul style="list-style-type: none"> <li>• To do Context study of a given site at doth macro and micro level in relation to history, transportation, issues around site and activity mapping.</li> <li>• Students were asked to interpret the site and the</li> </ul>

	<p>context.</p>	<p>major office campuses such as Hitec City, KMC Building, CLL Building, T Hub In order to get a sense of open campuses / working environment.</p> <ul style="list-style-type: none"> <li>• The site for the semester’s final project was chosen next to the Peoples Plaza in Khairatabad.</li> <li>• Special lecture was held in the JNTUA campus by Prof. Srinivasa.</li> <li>• The students toured around Hyderabad’s old city, to get a gist of the macro level context. A heritage walk was conducted around the old city, the Charminar, Chownmahallah Palace, the Mecca Masjic, the Qutb Shahi Tombs and the Golconda Fort</li> </ul>	<p>issues in the context and propose a space(built / un-built)</p> <p><b>PROJECT 2 : HIGH RISE MIXED USE BUILDING</b></p> <p>Duration: February – on-going (2018)</p> <p>Site : Hyderabad, Telangana</p> <p>Project Brief :</p> <ul style="list-style-type: none"> <li>• Design of a medium to high- rise building (mixed use) in a dense urban setting.</li> <li>• 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 environment through the building skin.</li> <li>• The project should br of high services complexity with mechanical systems for space conditioning, parking and other services, and includes the integration of active energy systems.</li> <li>• Site area if 15,000 sq m is to be developed around the given area</li> </ul> <p>programme:</p> <ol style="list-style-type: none"> <li>1. Office / co-working spaces – 12,000 sq m</li> <li>2. Retail / co- working spaces – 2,500 sq m</li> </ol>
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			<p>3. Serviced apartments – 3,000 sq. m.</p> <p>4. Additional public use component (Exhibition / convention Centres)-2,500 sq. m.</p> <p>5. Total Parking area – 9,4000 sq. m.</p> <p>6. At least 505 of total – 9.400 sq. m.</p> <p>7. At least 50% of total built area should be parking</p> <p>8. At least 30% of total residential built area should be parking</p> <p>9. 10 per cent of site area should be well landscaped and green</p>
<p>Architectural Design VI: Studio Director, Section B: <b>Ranjana Mital</b></p>	<p>Active solar design + along with the passive techniques introduced last semester, vertical circulation and services in a building - lift and service cores</p>	<p>Previously identified multi-storeys for structural systems and spatial organization and places for people between commercial buildings</p>	<p>Students learned to deal with active solar techniques along with the passive ones and appreciated the importance of coordinating structure, services and material and construction techniques at design level.</p>
<p>Architectural Design VI: Studio Director, Section C : <b>Anil Dewan</b></p>			
<p>Architectural Design X: Studio Director, Section A: <b>Aruna Ramani Grover</b></p>	<p>Architectural Thesis: Semester X Architectural Thesis is the culmination of the development of the student's knowledge, attitudes and skills over the course of studies in architecture. It is an</p>	<p>As per individual thesis requirements</p>	

	<p>occasion for exercising conscious choices in the field, based on the student's personal abilities and inclinations, and for testing out his commitment. The student, in consultation with the faculty, is expected to demonstrate through an imaginative approach, his expertise in effecting positive changes in our built environment. The definition lays out the broad intentions of this exercise. The key statements are:</p> <ul style="list-style-type: none"> <li>• Culmination of the development of the student's knowledge, attitude, skills</li> <li>• Exercising conscious choices in the field and</li> <li>• Expected to demonstrate his/her expertise, through an imaginative approach.</li> </ul> <p>Architectural Thesis is more than a project being grounded in a proposition, which then becomes a basis for the stand you may advance. A proposition is an assertion that expresses a judgment or opinion</p>		
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	<p>on a phenomenon or condition, derived from tangible or intangible, qualitative or quantitative, real or imaginary, rational or intuitive material on one hand and technological, sociological, economic, legal, historical, statistical preoccupation on the other hand. However, the proposition in an Architectural Thesis is an opinion on a phenomenon or condition of the Built Environment and the project selected is expected to demonstrate a unique built form open space relationship as its outcome. Project selection can be based on location, dominant concern and, personal interest; it could be on a green field or brown field site.</p>		
Architectural Design X: Studio Director, Section B: <b>Jaya Kumar</b>			

**11. Details of the thesis topics being researched by the doctoral students in the department.**

<b>Year of Enrolment</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>	<b>Name of the Research Supervisor</b>
2012-13	Neena Singh Zutshi	Samrangana Sutradhara and Contemporary Architecture in India : An Empirical Interpretation	Prof. Manoj Mathur

2013-14	Abhijit De	Architecture of the House : The Home in the 21st Century Indian City and its Aesthetic Origins	Prof. Dr. Ranjana Mital
2013-14	Aarti Grover	Gender Perception and Preferences of Design Public Spaces	Prof. Dr. Ranjana Mital
2014-15	Manjari Khanna Kapoor	Integrating Security in the Architecture of Public Environments - An Assessment and Evaluation Tool	Prof. Dr. Mandeep Singh
2016-17	Atul Kumar Singla	Optimal Resource Planning for University Design	Prof. Manoj Mathur
2016-17	Suruchi Modi	Evaluating the social sustainability of residential high rises from the perspective of raising children	Prof. Dr. Mandeep Singh
2016-17	Pallavi Sharma	Architecture Beyond Mimetics	Dr. Leon Morenas
2016-17	Khushal Matai	Environmental Impact of Solar Photovoltaic Installation/Integration on Urban Heat Island Effect and Strategies for Mitigation	Dr. Shweta Manchanda
2017-18	Parul Kiri Roy	Questioning Permanence in Architecture	Prof. Manoj Mathur
2017-18	Monolita Chatterjee	Design Against Crime Against Women for Urban India – Kerala	Prof. Dr. Jaya Kumar
2017-18	Jyoti Singh	Transformation of Concept into Product; A Detailed Study on Concept Development in Architecture Design Studio	Prof. Dr. Jaya Kumar
2017-18	Deepshikha Sarkar	Design of a Climatic Responsive Architecture for Residential Buildings	Prof. Dr. Jaya Kumar
2017-18	Priyanka Gayen	Strategic Framework for Designation of Modern Heritage in India	Prof. Dr. Jaya Kumar
2017-18	Hinna Devi Singh	Understanding Contemporary Vernacular Mountain Architecture	Prof. Dr. Jaya Kumar

## 12. Details of the thesis topics researched by the students of the final year class

S. No.	Roll No.	Name of Students	Thesis Topic
1.	A/2516/2013	Apurv Kashyap	Dwarka Commercial HUB
2.	A/2556/2013	Akanksha S. Rao	Khan Market: Redesigning the public realm
3.	A/2563/2013	Harkunwar Singh	Jashn-E-Punjab: A Cultural Rejuvenation Centre to Celebrate Gallantry and Valour of the Sikhs as a Warrior Community and the Living Culture of Punjab
4.	A/2531/2012	Kanwaljeet Singh	Grass- root Football stadium at Dwarka
5.	A/2352/2011	Mayank Pandey	National Center for the Performing Arts, IGNC A Complex, New Delhi
6.	A/2436/2012	Nayan Jain	Office Complex for the Dynamic Present at Fintech City, Super Corridor Indore (MP)
7.	A/2507/2012	Prateek Kumar Singh	National Institute of Fashion Technology (NIFT), Bhopal
8.	A/2622/2013	Shikha Puri	SECOND WIND: Retirement Community
9.	A/2530/2012	Singh Nischay Shyam	Youth Academy for Sports, Bijnor
10.	A/2568/2013	Sukriti Thukral	Urban Campus-Exploring the Vertical Typology,
11.	A/2593/2013	Suryans Goyal	Madurai Makers District an Experimental Ground to Explore the 'Maker Culture' of Madurai
12.	A/2588/2013	Vrinda Jain	District courts at Karkardooma, New Delhi
13.	A/2649/2013	Anila Sabu	Refurbishing Public life in 'Haste City'- Redevelopment of INA Market
14.	A/2653/2013	Devprashanth Karunakaran	Creating Socially Inclusive Built Environment in New City Developments Mixed Use Development at Galle Face, Colombo, Sri Lanka.
15.	A/2658/2013	Mohammed Nihal	Augmenting Urban Flow. International cruise terminal at Ballard estate, Mumbai
16.	A/2566/2013	Neha Gupta	Built Pedagogy for Architecture and Design Education-East Campus, IP University, Surajmal Vihar, New Delhi
17.	A/2591/2013	Pravar Gupta	Banni Khera Village Resort-Safeguarding Culture
18.	A/2571/2013	Priyanka Gupta	A Home away from Home, Nakodar, Punjab
19.	A/2510/2012	Sabyasachi Biswas	Mixed Income Housing Development, Affordable mixed income housing in Worli,

			Koliwada
20.	A/2608/2013	Pooja Gangwar	Rethinking Cultural Centres as Public Realm (An Intervention in Bareilly)
21.	A/2498/2012	Upasna Basra	NATIONAL WAR MUSEUM, NEW DELHI
22.	A/2513/2012	Akash Kumar Das	Sports Academy and International Stadium Complex at Najafgarh, New Delhi
23.	A/2640/2013	Aditi Kashyap	Of Density Recreation and a Breather-City center Guwahati
24.	A/2660/2013	Annam Irfan	A Place for conflict. Addition To Shri Pratap Singh Museum, Srinagar
25.	A/2634/2013	Ashish Priyadarshi	Incorporating the Informal Sector into the TOD Model, Sector - 10, Dwarka, New Delhi
26.	A/2551/2013	Bhavya Godara	Housing as an Urban insert; AIIMS West campus, Ansari Nagar, New Delhi
27.	A/2613/2013	Deovrat Jaiswal	ZERO MILE-Re -establishing the center of India through Transit oriented development
28.	A/2569/2013	Mahalakshmi H.V.	SPIRITUAL REJUVINATION COMMUNITY. Aligning Spirit with Architecture
29.	A/2559/2013	Mrinalini Verma	CEPT University Expansion : A Continuum of Existing Architectural Expression
30.	A/2338/2011	Pratyusha Halder	Age in Place-A Senior Citizen Habitat
31.	A/2289/2010	Renu Daranga	A Gateway towards ultimate journey : Buddha International Airport, Kushinagarm Uttar Pradesh
32.	A/2535/2012	Ruchika Raina	Emerging Architecture for Educational spaces- Residential school at Bhopal
33.	A/2583/2013	Anant Mital	Urban Interface at New Ashok Nagar
34.	A/2552/2013	Dharna Mudgal	International Public Policy Center, Jaipur
35.	A/2650/2013	Chitranshu Verma	Redefining Public Spaces in the context of Vertical Development, Commercial Hub, Karkardooma, Delhi
36.	A/2621/2013	Imdadul Hassan Barbhuyan	AAINA, Lakefront Hotel and Craft Bazar, Bundi
37.	A/2632/2013	Nikhil Pawar	Museum of Knowledge, Chandigarh
38.	A/2604/2013	P. Theertha Suresh	Oceanarium - Entraining into Sustainable Ecology, Kochi, Kerala
39.	A/2469/2012	Pratyush Pratik	Science city, Patna.
40.	A/2589/2013	Gagandeep Singh Bindra	SPECTRUM- Museum of World Faith

41.	A/2416/2011	Sanjay Dalke	Jawahar Navodaya Vidyalaya, Choti Sadri Pratapgarh, Rajasthan
42.	A/2574/2013	Shivang Bansal	Reinterpreting Democracies Capital Complex, Dehradun
43.	A/2348/2011	Therli Krishna Priya	Typology Reinvention of a wholesale Flower Market in an Urban Fringe : IFC Gazipur, New Delhi
44.	A/2508/2012	Abhijit Trimukhe	Sensory Learning Center for Visually Impaired, Pune.
45.	A/2506/2012	Andem Sai Srivathsav	AVGC Centre with State of Art Facilities, Hyderabad, Telangana
46.	A/2627/2013	Dongre Snehal Raju	Integration Transit Oriented Development in Harmony to Existing Urban Fabric of the City, Nagpur
47.	A/2603/2013	Gunraj Singh Khandpur	Blending Architecture and Democracy: Legislative Assembly, Amravati, Andhra Pradesh
48.	A/2279/2012	Jatin Singh	Terminal 3, Lucknow International Airport, Lucknow, Uttar Pradesh
49.	A/2580/2013	Jayati Chopra	Yaad-e-Haadsa: Bhopal Gas Tragedy Memorial
50.	A/2592/2013	Kanchan Naik	National Museum of Natural History
51.	A/2560/2013	Mili Jain	Selling Spaces in Globalized Homogeneity: through IKEA, Gurgaon
52.	A/2412/2011	Thirthraj Urawn	Residential School, West Champaran, Bihar
53.	A/2655/2013	Sangay Wangdi	Creating Experiential vernacular Spaces: Lungtenphu Neighborhood Node, Thimphu, Bhutan
54.	A/2615/2013	Sanmadi K.R.	FABRIX IMPEX: Employees Centric Textile Industry, Karur, Tamil Nadu
55.	A/2525/2012	Sharda Bhagat	Rethinking Multi-purpose Arena, ECC, Sector - 25, Dwarka
56.	A/2600/2013	Abhiram Dileep	Sustenance One: A Model for Mixed Community Housing and integration at Worli, Mumbai
57.	A/2635/2013	Jugal Kishore	Redevelopment of Netaji Nagar, Government Housing, Delhi
58.	A/2420/2011	Kunal Humagai	Reintegration Services for the Survivors of Domestic Violence Thimpu, Bhutan
59.	A/2646/2013	Nitika Negi	Creating an Efficient Learning Environment: Medical College Campus, Kakryal, Katra, Jammu.
60.	A/2471/2012	Omkar Nath Yadav	The Statement of Strength: India Tower, Mumbai



61.	A/2657/2013	Rabab Rabbani	Revisiting the Meaning of Culture in an Urbanscape: Cultural Centre, Gurugaon.
62.	A/2577/2013	Rashmi Jain	An Integrative Healthcare Environment: Multi-Specialty Hospital, (300-Beds)
63.	A/2590/2013	Shivani Subba	Exploring 'Local Architecture': Sikkim Institute of Science and Technology (SIST), Chisopani, Sikkim
64.	A/2617/2013	Shyam Sundar Meher	Rajkot International Airport, Hirasar.
65.	A/2624/2013	Tanya Singh Thakur	Sanskriti Alaya: Re-awakening the Forgotten Past (Cultural Center, Rohini), Delhi.
66.	A/2616/2013	Anjum Khan	Rajasthan International Centre, Jaipur, Rajasthan
67.	A/2595/2013	Parinay Aggarwal	Closed yet Open Prison: Correction Centre, Baprola, Delhi
68.	A/2457/2012	Rudra Sharma	Sindhi Camp Gate : An Urban Transit Park, Jaipur
69.	A/2253/2010	Shravan Kumar M.	The Modern Indian Railway Station, Baiyappanahalli Railway Station, Bangalore
70.	A/2636/2013	Shubham Kumar Singh	Pancheshwar Tourist Hub, Uttarakhand
71.	A/2555/2013	Somrita Bandyopadhaya	The Confluence of Flowers, Redevelopment of Mullickghat Flower Market as a Tourist Destination
72.	A/2643/2013	Tsewang Giacho	Socio-Cultural Tourist and Resource Centre, Leh-Ladakh.
73.	A/2599/2013	Vasanth M.	The Santhai Market Hall and Visitor's Centre, Madurai
74.	A/2482/2012	Vishal Prasad	Centre of Knowledge and Spirituality Buddhist Monastic School, Bodhgaya, Bihar
75.	A/2609/2013	Yamini Patidar	Using Public Realm to Reconnect the city with its River: Riverfront Heritage Centre, Indore.
76.	A/2629/2013	Harsh Vardhan Joya	Kolkata Museum of Modern Art, Kolkata
77.	A/2619/2013	Akshita Yadav	Integrated Office Complex: Ministry of Forest Department, Bhopal.
78.	A/2575/2013	Arushi Malhotra	City Campus-IP University, School of Architecture, Planning and Design, East Delhi
79.	A/2614/2013	Cherupally Varun Teja	Habitat Centre, Hyderabad
80.	A/2557/2013	Raghav Rayasam	Scattered Skylines: Contemporary Cultural District Extension, Mumbai
81.	A/2565/2013	Iman Bhattacharyya	Re-Integrating People through Architecture- Center for Gender Inclusion and Sexual



			Diversity Reintegration, New Delhi
82.	A/2602/2013	Shaheed Iqbal M.M.	Markaz, Institute of Islamic Studies and Mappila Cultural Centre Calicut, Kerala
83.	A/2324/2011	Siriki Priyanka	Creating Learning Environments: International School at Vishakhapatnam
84.	A/2642/2013	Sumairha Mumtaz	Anjuman-A Gathering: Islamic Interpretation and Cultural Center, Jammu
85.	A/2628/2013	Vertika Kapoor	Agra Heritage Museum : Weaving Heritage into the Urban Fabric
86.	A/2581/2013	Vinti Agarwal	Creating Cultural and Recreational Space, Sanskritik Kala Kendra, Dwarka, New Delhi
87.	A/2271/2010	Amrit Sindhu	Housing for Middle Income Group, Lucknow
88.	A/2654/2013	Krishna Kafley	Disaster Management Research Institute
89.	A/2548/2013	Pavan Suryateja Kavikondala	Heritage Museum and tourist facility, Amaravati, Andhra Pradesh
90.	A/2610/2013	Aduiti Sharma	Public knowledge Centre, Bhagalpur, Bihar
91.	A/2520/2012	Akanksha Pal	Center for People, Village Patiya, Almora
92.	A/2596/2013	Amba Gupta	The In-between Redevelopment of Kamla Market, Delhi
93.	A/2573/2013	Arushi Agarwal	Sports complex as a generator for community spaces, Sector - 8, Dwarka, New Delhi
94.	A/2584/2013	Riddhi Batra	Public Place Project, Lado Sarai, Delhi
95.	A/2515/2012	Yashwin Dev K.	Kudla Central Commercial Redevelopment, Mangalore
96.	A/2474/2012	Yogesh Saini	National Institute of Design (NID) Kurukshetra
97.	A/2652/2013	Alvira Shrestha	Luxury Hotel and Mall Design, Kathmandu, Nepal
98.	A/2499/2012	B.Kiran	Urban Blue- Mixed Housing, Worli, Mumbai
99.	A/2587/2013	K.Aparajita	College of Architecture and Applied Arts, Greater Noida
100.	A/2424/2011	Kushal Ghimiry	Centre for Differently Abled, Thimpu, Bhutan
101.	A/2485/2012	Macharla S.Sashank	International Science Gallery, Bangalore
102.	A/2639/2013	Manorama	Socio- Cultural Centre
103.	A/2594/2013	N M Sree Chaithanya	Incubation Centre for Multimedia Startups, Hyderabad, Telangana
104.	A/2432/2012	Mohammed Saifiz P. A	Sports City, Kochi

105.	A/2446/2012	Shaurya K Rakesh	Convention Centre Dhruva, Ranchi
106.	A/2561/2013	Sonal Takkar	Jeevarogya- All India Institute of Ayurveda, Delhi
107.	A/2598/2013	Subhi	A.P.J Abdul Kalam Science City, Patna, Bihar
108.	A/2562/2013	Sounak Majumder	Rasoï Food Park at Samalkha, New Delhi
109.	A/2541/2012	Akaash Yogesh Karan	Foreshore Marina Development, Suva, Fiji Islands
110.	A/2631/2013	Rina Singh	Commemorating the revered, Guru Ravidas Ji Memorial Complex
111.	A/2572/2013	Arpit Jain	Creating Spaces for Informal Learning: Expansion of Student Housing Complex and Activity Centre, MNIT Jaipur
112.	A/2328/2011	Daksh Tandon	Kathputli Colony Housing, Delhi
113.	A/2554/2013	Diksha Singh	Mixed Use Redevelopment at Janpath, New Delhi
114.	A/2375/2011	Murari Kumar Raja	School for Indian Classical Dance and Music, Machilipatnam
115.	A/2465/2012	Nimisha Bagda	Jaipur Habitat Centre, Rajasthan
116.	A/2546/2013	Rupak Mishra	Science and Technology Centre, IIT Delhi Campus
117.	A/2549/2013	Vipanchi Handa	Urban Food Hub, INA
118.	A/2579/2013	Aarushi Jain	Constructing Courts : Architecture, The Ideology of Judging and the Public Sphere : District Court at Dehradun
119.	A/2637/2013	Anuj Kumar	College of Nursing, Kakryal, Jammu
120.	A/2543/2012	Asadullah	Bamiyan Cultural Center, Bamiyan, Afghanistan
121.	A/2536/2012	Bishal Pokhrel	National Museum of Natural History, Pragati Maian, Delhi
122.	A/2625/2013	D. Sunair Raj	T- Works, Hyderabad Hardware Startups Incubator Space
123.	A/2585/2013	Goutham Othayoth	Sargaalaya Arts and Crafts Village, Iringal, Kerala
124.	A/2547/2013	Kanchan Joneja	YMCA Rural Development Centre, Hodal, Haryana
125.	A/2623/2013	Kumar Rishav	National Institute of Design, Bhopal
126.	A/2586/2013	Pranay Gupta	Faculty of Arts and Design and Convention Centre, South Asian University, Maidangarhi, Delhi

127.	A/2576/2013	Rishabh Jain	The Crossing East Delhi Transit HUB
128.	A/2578/2013	Shruti Singh	An Urban Insert Project - Redevelopment of IIPA Campus at ITO, New Delhi

### 13. Research thrust areas of the department

- Architectural History and Theory
- Seismic considerations for Buildings
- Hospital Architecture
- Sustainable Design and Urbanism
- Energy Efficient Architecture
- Design of Learning Environments
- Architectural Education and Pedagogy
- Vernacular Studies
- Innovation Theory and Application
- Socio-spatial systems

### 14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) total grants received.

Name of the Project	Name of Team Leader and Faculty	Thrust Area	Expected Outcomes	Total Fee
Transient, affordable, sustainable construction system (DIC, MHRD)	Parul Kiri Roy, Shuvojit Sarkar and Anjal Mittal	Product and System development under Design Innovation Centre	Industrially manufactured construction system for construction worker camps, low cost housing and slum habitation.	First Phase Grant Rs.34,00,000
Comprehensive Conservation Plan for the National Archives of India (in association with Dept of Architectural Conservation)	Saptarshi Sanyal	Conservation and built heritage management	Condition Documentation, Appraisal, Space Audit, Cultural resource protection and management	Rs.66,15,000
Universal Shading Device (DIC) MHRD	Shweta Manchanda and Mekhla Parihar	Product development for solar response	Marketable shading device for application for difference climatic zones	--

**15. Details of consultancy projects undertaken by department:**

<b>S. No.</b>	<b>Name of the project and sponsoring agency</b>	<b>Name of team leader or faculty</b>	<b>Thrust Areas and Expected Outcomes</b>	<b>Total Grant or Fee (In Indian Rupees)</b>
1.	Rejuvenation of Water Bodies, Delhi Cantonment Board	Y.K. Jain	Civil and Structural Engineering designing, estimating and services	--
2.	Comprehensive Improvement to Drainage and Sewerage System; Delhi Cantonment Board	Y.K. Jain	Civil and Structural Engineering designing and estimating / services	--

**16. Inter-institutional collaborative projects and associated grants received  
(a) national collaboration (b) international collaboration**

<b>Name of the project</b>	<b>Collaborating agency</b>	<b>Expected outcomes</b>	<b>Total Fee</b>
Value premiums, workplace productivity in green office buildings in India	RICS research grant in collaboration with University of Melbourne, Australia	Focusing on IGBC / LEED rated green office buildings (with various ratings) in 10 cities with various tenures- owner occupied, single-tenant, multi-tenant, this research based on primary collection of data (on values, rentals, energy and water performance of buildings) and face-to-face interviews with investors/developers of select (25) buildings will investigate the market demand, value premium, workplace productivity gains with green buildings in India.	10,000 GBP
Risk assessment of school buildings in Delhi (PI- Anjali Mittal, Parul Kiri Roy)	Investigating Design, SEEDS, India	School safety- Physical, Psychological and Social aspects. Risk Assessment study through case studies of schools with Delhi to arrive at a theoretical framework to identify various safety related factors that put children at risk while they are at school.	Advisory role

Community Innovation-Development of Learning Content on Disasters and Community, Asia (PI- Anjali Mittal, Parul Kiri Roy)	SEEDS, New Delhi	Create a curriculum and innovate on teaching methods. Conducted workshop in Dhaka, Bangladesh for a two-day training to review the process of implementation of the course created. This enabled a further refinement of the course structure and communication methods through direct observations and experience.	Rs.1,50,000
Delhi Urban Resilience Project- Documentation of experience on citizen-government partnership (PI- Anjali Mittal, Parul Kiri Roy)	Investigating Design	This project included documentation of an analysis of the project initiated by SEEDS in east Delhi including a spatial analysis, collation of references on risks and vulnerabilities and recording of interviews with academicians, primary stakeholders and government officials.	Advisory role

#### 17. Research facilities or centre (s) in the department

Name of the centre of facility	Thrust area	Expected Outcomes	Total Grant
Design Innovation Centre	Innovation in built environment	--	--

#### 18. Details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty.

S. No.	Name of the Faculty	Publications
1.	Aruna Ramani Grover	<ul style="list-style-type: none"> <li>Toilets, NBC and a Gendered Perspective (41-51) in the International Journal of Architecture and Infrastructure Planning, Vol. 3, No 2, (2017), ISSN 2456-0154, a peer reviewed journal with impact factor 1.45</li> <li>Value Assessment of Shaktipithas: An aid to Conservation, co-authored with Ms. Harveen Bhandari , Dr Prabhjot Kaur, in International Journal of Research and analytical Reviews, Vol.5, Issue 2, April-June 2018, ISSN 1248-1269 (e), Peer</li> </ul>

		reviewed journal with impact factor 4.23 (cosmos)
2.	Shuvojit Sarkar	<ul style="list-style-type: none"> <li>Sarkar, S. and Jain, G. (2017) Urban Heat Island: Causes, Effects and Mitigating Strategies, Imperial Journal of Interdisciplinary Research (IJIR) ISSN: 2454-1362, Volume 3, Issue 5; 2017 pp. 2098-2103, <a href="http://www.onlinejournal.in">http://www.onlinejournal.in</a></li> <li>Sarkar, S. and Jain, G. (2018) Urban Development and Ecological Imbalance on the Eastern Fringes of Kolkata Journal of Civil Engineering and Environmental Technology p-ISSN: 2349-8404; e-ISSN: 2349-879X; Volume 4, Issue 3; April-June, 2018, pp. 205-208 Krishi Sanskriti Publications <a href="http://www.krishisanskriti.org/Publication.html">http://www.krishisanskriti.org/Publication.html</a></li> </ul>
3.	Saptarshi Sanyal	<ul style="list-style-type: none"> <li>Paper in Peer-Reviewed Conference Proceedings: (Accepted paper, Forthcoming in September 2018) “The Imperial Record Office in Delhi: an architectural paradox” (second author with first author as Prof. Nalini Thakur) in SAHC 2018, 11th International Conference on Structural Analysis of Historic Constructions, Cusco, Peru. September 2018. Springer</li> </ul>
4.	Rajaprakash P.	<ul style="list-style-type: none"> <li>International Conference in Venice, Italy “Theoretical Discourse: Re-emerging Nature inspired design philosophies in Architectural Theories”, March, 2017, ISBN: 978-93-86083-34-0</li> </ul>

**19. Give details of other publications made by regular faculty of the department of studies.**

S. No.	Name of the Faculty	Publications
1.	Aarti	<ul style="list-style-type: none"> <li>Written a research paper on “Sustainable Waste Water Management for Smart Cities” in International Journal of Environment Planning and Management. [Published Vol. 4, No 1 (2018)]</li> <li>Written a research paper on “Role of Elements and Principles of Design in Architectural Design” in International Journal of Architectural Design and Management. [Published Vol. 1, No 1 (2018)]</li> </ul>

2.	Aruna Ramani Grover	<ul style="list-style-type: none"> <li>Assessment of Significance of Cultural Heritage: A Value based Approach (41-56) co-authored with Ms. Harveen Bhandari , Dr Prabhjot Kaur, in SPACE, Journal of School of Planning and Architecture, New Delhi, Vol. 20, No. 3-4, July - Dec 2016, ISSN 0970-0706.</li> </ul>
3.	Parul Kiri Roy	<ul style="list-style-type: none"> <li>MANA Resort -Journal of Landscape Design, April 2017</li> </ul>

**20. Faculty selected nationally or internationally to visit other laboratories or institutions or industries in India and abroad**

**Shuvojit Sarkar**

**Juries:**

- Invited to GGSIPU (Delhi) as an external examiner for Design and Building Construction Jury 2<sup>nd</sup> Year.
- Nominated member: “Festival of Innovation” organised by NIF India at Rashtrapati Bhawan
- Invited to Vastu Kala Academy as an external examiner

**Anjali Mittal**

- Invited for Final Year Thesis Jury as an external examiner at Sushant School of Art and Architecture, AU Gurugram
- Invited for Fourth Year Urban Design Studio as an external examiner at Sushant School of Art and Architecture, AU Gurugram.
- Invited for Elective Course for Third Year at IGDTUW, Kashmere Gate

**Parul Kiri Roy**

- Nominated Member, Industrial Design Conclave, IIT, Hyderabad
- Invited for a series of Special Lecture on ‘Spatial Mapping’ at NIFT, Delhi.
- Nominated member: “Festival of Innovation” organised by NIF India at Rashtrapati Bhawan

**Dr. Rajaprakash Purushothaman**

- Panel Member for PG landscape students selection by interview 2018-19
- Member of Senate SPA New Delhi since 2017
- Member of Purchase Committee SPA ND since 2017-18
- Chairman for E- Tendering committee SPA ND since 2017-18



## Membership:

- Life Member of Council of Architecture (COA), New Delhi
- Life Member in IVVRF (Institute of Vedic Vastu and Research Foundation, Indore.
- Life Member in Society of Water Resources, Roorkee.
- Member of International Medical Society (Annual)
- Life Member of SPA Alumni, New Delhi
- Member for International Association of Academicians and Researchers (INAAR), Pune.
- Member of CII Confederation Indian Industries, Hyderabad

## Council of Architecture Work

- 361<sup>0</sup> the Design Conference Architectural Revolution workshop in Nehru Centre, Mumbai from 24 – 25 February, 2017.
- Participated in pre-conference and Conference IASTEM International Conference in Venice Italy, March 2017. Part of Collaborative Studio in SPA ND during 27<sup>th</sup> February to 6th March 2017, 3<sup>rd</sup> yr Design Studio SPA ND and Erfurt University Architecture Department German.
- Organized Educational trip to Ahmadabad, visited CEPT with a brief discussion with faculties and facilitated students interactions among SPA and CEPT students.
- Organized Educational trip to Hyderabad visited SPA JNTU Hyderabad with a brief discussion with faculties and facilitated student's interactions among SPA and JNTU students.

## 21. Faculty serving in (a) national committees (b) international committees (c) editorial boards (d) any other.

S. No.	Name of the Faculty	National Committees	International Committees	Editorial Boards	Any Other (Please Specify)
1.	Arpita Dayal	IUDI (Institute of Urban Designs of India) Council of Architecture			
2.	Aruna Ramani Grover	<ul style="list-style-type: none"> <li>• Expert Member – Delhi Urban Arts Commission</li> <li>• Examiner JEE Examination</li> </ul>		<ul style="list-style-type: none"> <li>• Member of the Editorial Board of the International Journal of Housing</li> </ul>	<ul style="list-style-type: none"> <li>• Chairperson, Doctoral Research Committee, Department of Architecture, Jamia Millia Islamia, New</li> </ul>



		<p>for Architecture and Physical Planning conducted by CBSE, Ministry of HRD, GOI</p> <ul style="list-style-type: none"> <li>• Expert Member - South Zone, Evaluation of DPR for Tagore Cultural Centres, Ministry of Culture, Government of India. Till December 2017</li> </ul>		<p>and Human Settlements Planning, (ISSN – 2455-8516 online) Journals Pub</p> <ul style="list-style-type: none"> <li>• Member of the Editorial Board of Creative Space (ISSN print: 2321-3892 and ISSN online: 2321-7154), published by Chitkara University, Chandigarh.</li> </ul>	<p>Delhi</p> <ul style="list-style-type: none"> <li>• Expert Member for Selection of Professor of Architecture in the Department of Architecture and Landscape Design at SMVD University, Jammu</li> <li>• Jury Member, Thesis Examinations of Indian Institute of Architects, India</li> <li>• Jury Member for evaluation of B.Arch. Architectural Thesis at SPA Bhopal</li> <li>• Jury Member for evaluation of B.Arch. Architectural Thesis at Vastukala Academy</li> <li>• Member, Doctoral Research Committee, Department of Architecture, SPA Delhi</li> <li>• Chairperson, Complaints Committee for Sexual Harassment.</li> <li>• Member of Departmental</li> </ul>
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					<p>Board of Studies</p> <ul style="list-style-type: none"> <li>• Chairperson of Committee for preparation of IPR policy of the School</li> <li>• Member of Senate</li> </ul>
3.	Mekhla Parihar	<ul style="list-style-type: none"> <li>• Member, Council of Architecture</li> <li>• Member, Board of Studies, SPA, New Delhi</li> </ul>	Member, United State Green Building Council (USGBC)		Deputy Warden, SPA Residential Complex, Maharani Bagh, New Delhi
4.	Ranjana Mital	<ul style="list-style-type: none"> <li>• On Board of Studies of MNIT, Jaipur, SMVDU and CURaj, Jaipur</li> <li>• On panel of inspectors of CoA</li> <li>• Expert member – East zone for tagore cultural centres</li> </ul>			<ul style="list-style-type: none"> <li>• Member, DRC, Department of Architecture and Ekistics, Jamia Millia Islamia</li> <li>• Chairperson, Library Advisory Committee, SPA, New Delhi</li> <li>• Member, Housing Allotment committee, SPA, New Delhi</li> </ul>
	Shuvojit Sarkar	National committees Member Technical Committee: Stones Sectional Committee, CED 6: Bureau of Indian Standards Bureau of Indian		Expert/ Referee for Springer for the Journal on Environment, Development and Sustainability	

		Standards Member Technical Committee: Panel for Acoustics, Sound Insulation and Noise Control, CED 46:P15			
5.	Saptarshi Sanyal	Saptarshi Sanyal, Coordinator for the National Scientific Committee of the International Council on Monuments and Sites (ICOMOS, India)			
6.	Rajaprakash Purushothaman	Appointed Expert Member Council of Architecture (COA) New Delhi. Examiner JEE Examination Observer Duties for Architecture conducted by CBSE, Ministry of HRD, GOI			COA Nominated Member for Comprehensive Course Appraisal Report on College of Architecture, Noida International University, G. Noida COA President Nominated
7.	Parul Kiri Roy				Voluntary Associate INDES (Investigating Design) CASP (Centre of Art and Social Practice)

**22. Exhibitions, Seminars or Workshops Organized by the Students and Faculty of the Department**

<p>Anjali Mittal</p>	<p><b>International Design Charrette- Department of Architecture and Technion -</b></p> <p>Israel Institute of Technology, 6th March 2018 Anjali Mittal - Faculty Coordinator</p> <p>One day International Design Charette was organised at the Department of Architecture, School of Planning and Architecture on 6th March 2018 in collaboration with Faculty of Architecture, Technicon-Israel Institute of Technology, Israel.</p> <p><b>PROJECTING 2037- SEMINAR 2017 Fifth Year, 9th to 11th November 2017</b> Anjali Mittal -Seminar Coordinator</p> <p>The research seminar program at the School of Planning and Architecture combines the unique academic resources available to the one of the India's premier schools of design in its capital city with the enthusiasm of research abilities of students in their final year of the undergraduate program. The 2017 research seminar group at SPA projected Indian urban futures for 2037. This year as a new experiment, using new emerging technologies in visual media all the 29 presentations took place simultaneously in a single space over multiple podiums. These presentations were not only running simultaneously but were also interactive, installation based and maximized on user participation. The student group employed various multimedia techniques including VR glasses, games for user experience, installations etc. Each student was allocated a vertical wall space of 10' x 8' as their final mode of presentation which could extend into any three-dimensional space of their choice. This was very well received by the audience.</p>
<p>Parul Kiri Roy</p>	<p>Student works public exhibition: <b>Engaging with the idea of 'smart' in the built environment-</b> The exhibition consisted of all academic work done by B.Arch. II year students in session 2016-2017, including studies-analysis, design projects and art projects. Comprising of smart space for living (designing of a human habitat that is off the grid), study of the traditional settlement of Shahjahanabad-Delhi, study of village Dauhla (adopted by Rashtrapati Bhawan- President's house under model 'smart' village project) and related design projects and study of Puducherry as a 'smart' city and related design projects and art works</p>

### 23. Seminars or workshops attended by the faculty of the department

S. No.	Name of the Faculty	Seminar or Workshop
1.	Arpita Dayal	<ul style="list-style-type: none"> <li>• Attended the seminar by Kamal Meattle, Entrepreneur and Environmentalist on Health, wellness, improving Productivity and Cognitive ability in Built Environment at the School of Planning and Architecture on September 20, 2017</li> <li>• Participated in the faculty development program on Glass in Building, at the School of Planning and Architecture from 11-13 October, 2017</li> <li>• Attended the conference ICSE 2017 organized by BITS Pilani at Birla Auditorium, Jaipur from 22-23 October, 2017</li> <li>• Attended the International Conference on History of Architecture ICHA 2017 At Bikaner House, New Delhi from 7-9 December 2017 (GREHA)</li> </ul>
2.	Aruna Ramani Grover	<ul style="list-style-type: none"> <li>• Presented a paper titled The Changing Paradigm In Architecture Of Shaktipithas at Himachal Pradesh: The Living Religious Heritage, Ms. Harveen Bhandari, Dr Prabhjot Kaur, Dr Aruna Ramani Grover, at the International Conference on Trends in Architecture and Construction (ICTAC), 18th September 2017, organized by University Institute of Architecture, Chandigarh University.</li> <li>• Presented a paper titled The History of Architecture Course: Potential role in the Bachelor of Architecture Curriculum, in Session 2 - Academic Discourse: Teaching methods for Modern Architectural History, at Commemorating the Legacy of Pierre Jeanneret: foot architect of Chandigarh, 3rd-4th December 2017, organized by Chandigarh College of Architecture, Chandigarh.</li> </ul>
3.	Mekhla Parihar	<ul style="list-style-type: none"> <li>• “Faculty Development Programme” organized by Glass Academy Foundation at Department of Architecture, SPA, New Delhi from October 11-13, 2017.</li> <li>• International Conference “History of Architecture” organized by GREHA at Bikaner House, New Delhi from December 7-9, 2017.</li> <li>• Film “Nostalgia for the Future” screened at Department of Architecture, SPA, New Delhi on February 16, 2018.</li> <li>• Lecture “Power of Design” organized by Sharda University, Greater Noida on April 26, 2018.</li> <li>• Talk “Architecture and Society” organized by GREHA at India Habitat Center on June 29, 2018.</li> <li>• Attended the seminar by Kamal Meattle, Entrepreneur and Environmentalist on Health, wellness, improving Productivity and</li> </ul>

		Cognitive ability in Built Environment at the School of Planning and Architecture on September 20, 2017
4.	Shuvojit Sarkar	<ul style="list-style-type: none"> <li>• Green Sustainable Materials for Sustainable Building Solutions, organized by Italian Trade Agency 10<sup>th</sup> July 2017, at, India Habitat Centre</li> <li>• International Conference on Future of Cities : Opportunities and Challenges organized by Institute of Town Planners ,India 27<sup>th</sup> -28<sup>th</sup> July, 2017, at Vigyan Bhawan, New Delhi, India</li> <li>• Faculty Development Programme By Glass Academy Foundation in Association with School of Planning and Architecture, New Delhi 11<sup>th</sup> -13<sup>th</sup> Oct, 2017.</li> <li>• Participation in SPA-DIC meet on 8<sup>th</sup> June 2018.</li> </ul>
5.	Anjali Mittal	<ul style="list-style-type: none"> <li>• Participated in Faculty Development Programme- 'Glass in Buildings', organized by the Glass Academy Foundation and SPA Delhi. (Oct.2017).</li> <li>• Invited to contribute to workshop on "Healthy Housing for Low-Income Communities: Designing Solutions", CURE, Delhi (Nov.2017).</li> <li>• Invited to participate national consultation workshop 'Exploring collaborations under PMAY-G' MoRD, New Delhi (Jan 2018)</li> <li>• One day orientation workshop on the development of MOOCs, on at UGC, Main office New Delhi. (10th May, 2018)</li> <li>• Participation and invited as a Moderator for a panel discussion at the International Conference on History of Architecture ICHA 2017 At Bikaner House, New Delhi from 7-9 December 2017 (GREHA)</li> <li>• Participation in SPA-DIC meet 24<sup>th</sup> Feb.2018 and 8<sup>th</sup> June 2018.</li> </ul>
6.	Parul Kiri Roy	<ul style="list-style-type: none"> <li>• Invited as a panelist to present- "Vernacular and Modern: Some contestations from the classroom."</li> <li>• Series of talks- Architecture Adda #1- So, What about Modernism?</li> <li>• Organized by KNMA (Kiran Nadar Museum of Arts), Delhi. (Jun 2017)</li> <li>• Invited as panelist for discussion on- Reality Cheque: Is Architecture Education Abdicating Responsibility?</li> <li>• FoAID- Festival of Architecture, and Interior Designing (Sept. 2017).</li> <li>• Participated in Faculty Development Programme- 'Glass in Buildings', organized by The Glass Academy Foundation and SPA Delhi. (Oct.2017).</li> <li>• Invited to contribute to workshop on "Healthy Housing for Low-Income Communities: Designing Solutions", CURE, Delhi (Nov.2017)</li> <li>• Invited to contribute to stakeholder dialogue on "Sustainable Social Housing Workshop", The Development Alternatives Group, Delhi. (Nov.2017)</li> </ul>

	<ul style="list-style-type: none"> <li>• Invited to do public talk in Architecture and Society series at IHC, New Delhi. Lecture titled- Valuing the Vernacular- Stories of Mud, Brick and Stone. 16<sup>th</sup> Dec.2018.</li> <li>• Conducted workshop on “Community Innovation on the interface of Health and the Built Environment”, Dhaka, Bangladesh with SEEDS India. 24-25 Dec.2018.</li> <li>• Invited to participate in ‘Innovations Project Peer Review Workshop’, organized by SEEDS India, New Delhi. 27-28 Dec.2018.</li> <li>• Invited to lecture titled “Going Back Home” in American Embassy School, New Delhi (Jan 2018).</li> <li>• Invited to attend national consultation workshop 'Exploring collaborations under PMAY-G' MoRD, New Delhi (Jan 2018)</li> <li>• Attended and invited as a Moderator for a panel discussion at the International Conference on History of Architecture ICHA 2017 At Bikaner House, New Delhi from 7-9 December 2017 (GREHA)</li> <li>• Participation in SPA-DIC meet on 8<sup>th</sup> June 2018.</li> </ul>
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**24. Courses and training programs of more than one week attended by the faculty of the department**

Nil

**25. Awards or recognitions received at the national and international level by the faculty and students.**

Saptarshi Sanyal has been awarded the Commonwealth PhD Scholarship to conduct research at the Bartlett School of Architecture, University College London (2018-21).

**26. Internal and external members of the board of studies**

**EXTERNAL MEMBERS**

- Prof. Vinod Gupta, New Delhi
- Shri Ravi Punde, New Delhi
- Prof. Amitava Roy, Kolkata
- Prof. Dr. Rachna Khare, Bhopal
- Prof. Vibhuti Sachdev, Gurgaon

**INTERNAL MEMBERS**

- Prof. Dr. Mandeep Singh, Dean of Studies

- Prof. Dr. Aruna Ramani Grover, Professor of Architecture
- Prof. Dr. Ranjana Mital, Professor of Architecture
- Prof. Dr. Anil Dewan, Professor of Architecture
- Prof. Dr. Jaya Kumar, Professor of Architecture
- Prof. YK Jain, Professor of Civil Engineering
- Dr. Leon A Morenas, Associate Professor of Architecture
- Dr. Shweta Manchanda, Associate Professor of Architecture
- Ms. Moulshri Joshi, Assistant Professor of Architecture
- Ms. Mekhla Parihar, Assistant Professor of Architecture

**27. Internal and external members of the departmental research committee**

**EXTERNAL MEMBERS**

- Prof. A.G.K. Menon, New Delhi
- Dr. Vinod Gupta, New Delhi

**INTERNAL MEMBERS**

- Prof. Dr. Mandeep Singh, Dean of Studies
- Prof. Manoj Mathur, Head of Department, Dept. of Architecture
- Prof. PSN Rao, Coordinator, PhD
- Prof. Dr. Aruna Ramani Grover, Professor of Architecture

**28. Prominent visitors to the department of studies.**

None

**29. Give details of activities under various MOUs during the reporting year.**

None

**30. Give details of 'beyond syllabus scholarly activities' of the department.**

None

**31. Any other information**

<b>S. No.</b>	<b>Name of the Faculty</b>	<b>Other Information</b>
1.	Arpita Dayal	<ul style="list-style-type: none"> <li>• Invited for the Second Year jury at IGTDW (Indira Gandhi Delhi Technical University for Women), Delhi on 9 May 2018</li> <li>• Invited for the First Year jury at USAP (University School of</li> </ul>



		Architecture and Planning), Dwarka on 16 May 2018
2.	Parul Kiri Roy	<ul style="list-style-type: none"> <li>• <b>Community Engagement Work:</b> Active member of Mehrauli Collective, currently working on community embedded approach to urban renewal and environmental improvement of the historic settlement of Mehrauli.</li> <li>• <b>Social Work:</b> Active member of Investigating Design, mentoring and facilitating design thinking workshops with underprivileged children. Documentation of the workshops, communication and coordination. Active member of CASP (Centre of Art and Social Practice), facilitating community based art projects and workshops.</li> </ul>

# DEPARTMENT OF PHYSICAL PLANNING

## 1. Name of the Department

Department of Physical Planning

## 2. Names of academic programs offered by the Department

- Bachelor of Planning
- PhD in Planning

## 3. Year of establishment of the Department

1990

## 4. Faculty profile:

<b>Name of the Faculty</b>	<b>Educational Qualifications</b>	<b>Designation</b>	<b>Areas of Specialization</b>	<b>Number of Years of Experience</b>
Mahavir	B.Arch., MURP, PG Diploma (Remote Sensing), PhD (ITC-Utrecht, The Netherlands)	Professor of Planning; Dean (Academics) Editor, SPACE: Journal of Planning and Architecture	Urban and Regional Planning, Geo-informatics	30
Ashok Kumar	M.Sc. (Geography), MP (URP), PGDHRM, PhD (University of Liverpool, U.K.)	Professor of Physical Planning; HOD (Housing) from June 2018 to January 2019	Planning Theory; Spatial Justice; Inclusive Planning; Public Policy; Urban Governance	27
Mayank Mathur	B Arch, M Housing, P G Dip in Housing Planning and Building, The Netherlands, Ph.D. (SPA, New	Professor of Physical Planning and Head (Housing) from January 2018 – June 2018	Housing and Community Planning, Urban Design, Design of Human Settlements	28

Rabidyuti Biswas	B.E. (Civil), Master of Regional Planning (IIT Kharagpur), PhD	Professor of Physical Planning, Head, CASS, RS and GIS	Planning Techniques, Infrastructure Planning and Management	23
Poonam Prakash	B.Arch., M. Planning (Housing), PhD	Associate Professor of Physical Planning	Public Participation, Low Income Housing, Planning Education	23
Taru Jain	B. Plan, M.Sc. Transport Engineering, Currently pursuing PhD	Assistant Professor of Physical Planning	Transport Planning	11
Chidambara	B. Planning, M. Planning with specialization in Transport Planning; Currently pursuing PhD	Assistant Professor of Physical Planning	Transport Planning, City and metropolitan planning, Sustainable, Low Carbon, Shared Mobility, Research	17
Priti Deo	Master in Geography  M. Planning with specialization in Regional Planning	Assistant Professor	Geo Informatics Systems (GIS), Demography and Urbanization, Planning Techniques	14
Papiya B. Raut	Master in Geography  M. Planning with specialization in Regional Planning	Assistant Professor of Physical Planning	Village and Community Resource Planning, GIS and Remote Sensing	23
Piyooosh Singh	B. Arch, Master in City Planning	Assistant Professor of Physical Planning	Culture and Cities, Human Settlements History, City Planning	10

Ravi Inderjeet Singh	B. Arch, M. Planning	Contract Faculty	Urban Design and Site Planning	3
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**5. Details of teaching work undertaken by the regular faculty in the Department:**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
Mahavir	II	Geo-informatics for Planning – I	2
	VII	Planning Information Systems	3
	VII	Regional Planning Studio (District Kurukshetra)	6
	VIII	Planning and Design Thesis	6
Ashok Kumar	VII	Planning and Design Studio (Regional Planning – Kurukshetra)	3
	III	Planning Theory – I	3
	IV	Planning Theory – II	3
	VI	Planning Studio – Development Plan – New Raipur, Chhattisgarh	3
Poonam Prakash	VIII	Thesis and Terminal Project	8
	I	Planning Techniques I	2
	I	Planning Studio	5
	I	Planning Communication I	2
	II	Planning Communication II	3
	II	Planning Studio II	6
	III	Planning Techniques II	2
	V	Planning Practice I	2
VIII	Professional Practice	2	
VIII	Thesis and Terminal Project (Thesis Coordinator)	6	
Mayank Mathur	V	Planning Studio – Town Planning Scheme, Ahmedabad	9
	V	Housing and Community Planning	3
	VI	Planning Studio – Study of Chandigarh and Development Plan – Naya Raipur, Chhattisgarh	6
	IV	Chhattisgarh	2
	VIII	Urban Design Thesis and Terminal Project	6
Rabidyuti Biswas	III	Planning Techniques II	2
	III	Infrastructure Planning I	3
	III	Planning Studio (Transport Planning)	5

	IV	Planning Studio (Site Planning)	5
	VIII	Thesis and Terminal Project	6
	VII	Environmental Planning	1
Papiya B. Raut	II	Site Development and Geology	1
	III	Ecology and Resource Planning	3
	IV	Planning and Design Studio (Site Plan)	11
	V	Planning and Design Studio (Zonal	
	VI	Plan)	11
	VIII	Planning for Informal Sector and urban poor	3
		Thesis Supervision	3
Chidambara	VIII	Was on CCL from 17 August 2017 to 16 May 2017 onwards. Guided 2 students' thesis work	3
Priti Deo	I	Planning Techniques – I	1
	III	Geo Informatics for Planning - II	3
	V	Planning Practice-I	1
	VII	Planning Studio- Regional Plan	11
	IV	Demography and Urbanization	3
	VI	Planning Studio – Development	11
	VIII	Planning Thesis and Terminal Project	6
Piyooosh Singh	I	Fundamentals of Urban and Regional	3
	I	Planning	4
	I	Planning Communications-I	11
	II	Planning Studio-I	3
	II	Cities in History	4
	II	Planning Communications-I	11
	VIII	Planning Studio – II Thesis and Terminal Project	6
Ravi Inderjit Singh (Contract Faculty)	II	Site and Land Development	2
	II and IV	Planning Communication II and III	4
	IV	Urban Design and Conservation	2
	IV	Planning Studio- Site Planning	6+5
	VIII	Professional Practices for Planners	1
	VIII	Technical Report Writing	2
		Thesis and Terminal Project	

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School:**

<b>Name of the Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours per Week</b>
Mahavir	First Year First Semester, Master of Planning (Integrated)	Introduction to Remote Sensing;	1
Ashok Kumar	First Year First Semester, Master of Planning (Integrated)	Planning History and Theory (only Planning Theory)	2
Mayank Mathur	First Year First Semester, Master of Planning (Integrated)	Housing and Environment Planning	1
Rabidyuti Biswas	IV Semester, M. Planning (RP) II Semester, M. Planning (Urban Planning)	Thesis guidance Infrastructure Planning	3 1

**(a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department:**

<b>July 2017 to December 2017</b>			
<b>Name of the Visiting Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and studios)</b>	<b>Hours per</b>
Dr. Prabh Bedi	First Year First Semester	Computer Application-I	3
M.Z. Bawa	First Year First Semester	Planning Studio-I	11
Pradeep Prakash	First Year First Semester	Planning Communication-I	1
Suresh Chand	First Year First Semester	Planning Communication-I And	1+6
Dr. Dipak Roy Chaudhary	First Year First Semester	Quantitative Methods for Planners	3
Shri Tapan Mondal	First Year First Semester	Planning Studio-I	11
P.V. Mahashabdey	First Year First Semester and	Culture and Cities and Planning Studio : Sub City	3+11
Aditi Mitra Ghosh	Second Year Third Semester	Planning Studio –Land Use and Transport	6+3
Pankaj Kant	Second Year Third Semester	Planning Studio –Land Use and Transport	11

<b>Aparna A. Kanojia,</b>	<b>Third Year Fifth Semester</b>	<b>Project Formulation, Appraisal and Management</b>	<b>4</b>
<b>Rajeev Malhotra</b>	<b>Third Year Fifth Semester</b>	<b>Planning Studio : Sub City Plan and Infrastructure Planning -II</b>	<b>3+11</b>
<b>Dr. Saket Bihari,</b>	<b>Third Year Fifth Semester</b>	<b>Settlement Sociology</b>	<b>3</b>
<b>Dr. Anjan Sen</b>	<b>Fourth Year Seventh Semester</b>	<b>Rural and Resource Planning</b>	<b>2</b>
<b>Prof. Vijay Kumar Dhar,</b>	<b>Fourth Year Seventh Semester</b>	<b>Project Planning and Control and Planning and Design Studio: Block/Sub-Regional Plan</b>	<b>3+11</b>
<b>Dr. Kusum Lata</b>	<b>Fourth Year Seventh Semester</b>	<b>Urban Management</b>	<b>3</b>
<b>Anjula Negi</b>	<b>Fourth Year Seventh Semester</b>	<b>Public Finance</b>	<b>3</b>

<b>January 2018 to May 2018</b>			
Name of the Visiting Faculty	Semester	Subjects (Theory and studios)	Hours per
Dr. Anjan Sen	First Year Second Semester	Introduction to Social Sciences	3
Saket Bihari	First Year Second Semester	Economics for Planners	3
Suryamani Singh	First Year Second Semester	Planning Communication-II	I + 3
M.Z. Bawa	First Year Second Semester and	Planning Studio-II	8+
P.V. Mahashabdey	Second Year Fourth Semester	Planning Indian Cities and	2+11
Zita Patnaik	Second Year Fourth Semester	Landscape Planning and Design	3
Surbhi Anand Roy	Second Year Fourth Semester	Urban Design and Conservation	2
Smanla Dorjee	Second Year Fourth Semester	Planning Communication-III	Total 8
Ramya Teeparthi	Third Year Sixth Semester	Planning Communication-III	1
Tapan Mondal	Second Year Fourth Semester	Planning and Design	6
Prof. Vijay Kumar Dhar	Third Year Sixth Semester	Urban Governance and Management	3 + 11
Meenakshi	Third Year Sixth Semester	Environmental Planning	2
Mr. Sujit Kumar Mridha	Third Year Sixth Semester	Land Economics and Locational	3
Sandeep Paul	Third Year Sixth Semester	Development Planning	3
	Fourth Year Eighth Semester		
M.L Chotani	Fourth Year Eighth Semester	Planning Legislation	3
Aditi Mitra Ghosh	Fourth Year Eighth Semester	Terminal Project	6
M.Z. Bawa	Fourth Year Eighth Semester	Terminal Project	3
Dr. R.K. Barik	Fourth Year Eighth Semester	Political System and Planning	2
Rajeev Malhotra	Fourth Year Eighth Semester	Terminal Project	9
Tapan Mondal	Fourth Year Eighth Semester	Terminal Project	6
Ramya Teeparthi	Fourth Year Eighth Semester	Terminal Project	3
Anjan Mandal	Fourth Year Eighth Semester	Technical Report Writing	2



**(b) Special lectures in the Department:**

Name of the Expert	Semester	Topic	Date
Lt. Col Sanjay Sehagal (Retired)	V and VII	Solid Waste Management: An Introduction to Integrated Approach	20 November 2017
Prof. Chetan Vaidya	VI	Municipal Resource Mobilisation	23 March 2018
Dr. Antarin Chakraborty	Open to all	Scaling up participatory planning: A Case of Odisha Land Rights to Slum Dwellers Initiative	28 March 2018
Dr. Asmita Kabre	Open to All	Land Acquisition in Delhi under Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013.	28 March 2018

**7. Department's involvement in interdisciplinary programs in other departments and organizations**

None

**8. Semester-wise details of the studio work undertaken by the students**

Semester and Year	Project Title/Topic	Description
First Year First Semester	Planning Studio – I	This studio introduced the students with basic concepts of mapping an area at different level for preparing base map and activity mapping. They were also introduced with the elementary knowledge of FAR, built form and concept of neighbourhood. Saket, Delhi was the case study area.
First Year Second Semester	Planning Studio – II	This studio introduced the students to concept of Land Use, Neighbourhood. There were two major exercises; Land Use Study and Study of housing typologies. Industrial, Commercial, Institutional and Transportation land uses were studied in Delhi. Different housing areas in Maharani

		Bagh/New Friends Colony/Jamia Nagar Delhi were taken with different housing typologies to understand to understand evolution of different typologies, relationship with development controls. A visit to Bahadurgarh, Haryana to understand economic function of a city was also undertaken.
Second Year Third Semester	Planning Studio III (Transport Planning)	This studio is to expose students to various transport survey, analysis and presentation of the findings and finally provide planning and design solutions for transport facilities in a town. This time students have taken Amritsar as case study to prepare a Transportation Plan for a selected zone of Amritsar city.
Second Year Fourth Semester	Planning Studio IV (Site Planning)	This studio provides the exposé to the students to plan and design a residential area of around 10 hector. This time students have taken site in Jaipur for detailed study of site analysis and site context and finally selected around 10 hector area out of these two sectors for site planning.
Third Year Fifth Semester	Planning and Design Studio – Town Planning Scheme, Ahmedabad	In this Studio exercise, students studied the process of implementation of a Master Plan through Town Planning Scheme. The students identified a TP Scheme and based on the guidelines prepared Town Planning Scheme. The case study of Ahmedabad enabled them to understand the hierarchy of plans as per their act and interrelation of various aspects at the zonal level.
Third Year Sixth Semester	Planning and Design Studio – Master Plan for Naya Raipur, Chhattisgarh	In this Studio exercise, students comprehend components of a statutory Master Plan document and their significance for the people and communities of the city. Students explored the processes of land use allocations in a capital city and a new town through a case study of New Raipur.
Fourth Semester Seventh Semester	Planning and Design Studio-	The key objective of this planning and design studio is to learn the approach and methodology of preparation of a regional or

	Regional Plan for Kurukshetra	sub-regional development plan comprising few urban and many rural settlements for the holistic development of the region as a whole. The plan aims at ensuring the equitable distribution natural, human and economic resources available in the region through integrated development of all urban and rural settlements. This year Kurukshetra District in Haryana State is selected as a case study area for the preparation of District Development Plan. Students have learned and understood the concept of region, regional planning, decentralized planning and the scale of the region.
Fourth Year Eighth Semester	Terminal Project and thesis	Students worked on individual thesis.

#### 9. Details of the thesis topics researched by the students of the final year class

S. No.	Roll Number	Name of the Student	Thesis Topics
1.	BP/565/2012	Shivam Gupta	Improving Agricultural Marketing System for measuring Farmer's Income
2.	BP/598/2013	Siddharth Sachan	SDG7 and its implications for Spatial Planning
3.	BP/616/2013	Kamesh Nagar	Planning Guidelines for IPTs around Metro Stations
4.	BP/622/2013	Stuti Gangwar	Evaluation of parks at Neighbourhood level
5.	BP/630/2014	Akshara Shibu	Assessing Urban Resilience of Yamuna Flood Plains in Delhi
6.	BP/631/2014	Ankit Singh	Planning and Implementation of Non-Motorised Transport Infrastructure at Local area Level
7.	BP/632/2014	Anunay Chowdhary	Assessing the changes in Low Income Housing Provision Post Economic Liberalization, 1991
8.	BP/633/2014	Aravind Mugundhu Gnanamoorthy	Assessment of Modal Village Concept in Sansad Adarsh Gram Yojana Scheme
9.	BP/634/2014	Arpita Banerjee	A Model for Geo-Spatial Information Approach to Planning

			for Rurban Clusters
10.	BP/637/2014	Banothu Sai Prasanna	Transformation in Golconda, Hyderabad
11.	BP/639/2014	Charuvi Begwani	Evaluation of Area Based Projects under Smart Cities Mission- A case study of NDMC
12.	BP/640/2014	Damuluri Kusum Sai	Spatial Transformation of Small and Medium Towns in Amravati Region
13	BP/641/2014	Divesh	Water Management and Planning at Local Level: Case Study- Dwarka Sector-23
14.	BP/642/2014	Gulshan Kumar Sahu	Assessment of Role of Area Sabhas in enhancing Public Participation, Case Study of Delhi
15.	BP/643/2014	Jagrit Joshi	Evaluation of Parking Policy, Case Study - Delhi
16.	BP/644/2014	Jahnvi Agarwal	Inclusive planning: Assessment of Transit Housing under In-situ Rehabilitation project of Kathputli Colony
17.	BP/647/2014	Nidhi Kalani	Implications of CSR in rural development
18.	BP/649/2014	Palak Passi	Planning and Designing for Bicycle Network - Dwarka Sub-city
19.	BP/650/2014	Priyadarshani Jha	Implications of house-pooling technique for urban regeneration post-earthquake in core areas of Kathmandu Valley
20.	BP/651/2014	Pulkit Kathuria	Implications of industrial policy on spatial development of Baddi Barotiwala Nalagarh Special Area
21.	BP/652/2014	Purnima Mahajan	Evaluation of Implementation of AMRUT Mission in Haryana, Case Study- Ambala
22.	BP/653/2014	Rimjhim Agrawal	Urban Voids: Use of spaces under elevated metro corridors in Delhi
23.	BP/655/2014	Sappa Yamini Sri	Planning for Cyclone Prone Areas, case Study- Vishakhapatnam, Andhra Pradesh
24.	BP/658/2014	Subodh Thackray	Role of Big Data in City Planning
25.	BP/660/2014	Vasudha Sharma	Assessment of Implementation of Street Vendors act, 2014 with

			focus on Town Vending Committees: Case Study- NDMC
26.	BP/662/2014	Yamini Suresh B.Changananthara	Integration of Hallmark Event for City Development: Case Study, Thirussur

**10. Details of the thesis topics being researched by the doctoral students in the Department**

<b>Year of Enrolment</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>	<b>Name of the Research Supervisor</b>
2010-2011	Chetna Singh	Transformations in Peri-Urban Aras and Role of the State : A Case Study of Chennai Metropolitan Area	Prof. Dr. Mahavir
2011-2012	Bikram Kumar Dutta	Evaluation of Re-settlement and Rehabilitation Policy of India- Case Study of Highway Projects	Prof. Dr. Ashok Kumar
2011-2012	Sanhita Bandyopadhyay	Space state model for solid waste management	Prof. Dr. Rabidyuti Biswas
2012 -2013	Suresh Babu Ponduri	Approaches to Land Acquisition for City Planning and Development: A comparative study of Navi Mumbai and NOIDA.	Prof. Dr. Ashok Kumar
2012 -2013	Seema Kaushal	Evaluation of the Processes of Master Plans Preparation: A comparative Perspective	Prof. Dr. Ashok Kumar
2013-2014	Harikrishan Gopal Nambiar	Housing Transformation around Major Urban Transportation Nodes in Mega Cities- Case Studies Delhi	Prof. Dr. Mayank Mathur
2013-2014	Lalit Kumar	Impact of private urban Development on different Socio-economic groups in Haryana: A Case of Sonapat-Kundli Urban Complex	Prof. Dr. Ashok Kumar
2015-16	Neha Verma	Spatial perspective on health care delivery services in Pune slums with focus on women	Prof. Dr. Poonam Prakash
2017-2018	Parul Sharma	Creating Accessible and inclusive Urban Spaces : An inclusive city Planning	Prof. Dr. Ashok Kumar and Prof. Dr. Rabidyuti

		Approach in Developing countries	Biswas
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**11. Research thrust areas of the Department:**

Development Plans formulation, Spatial Justice, Public Policy, Public Participation, Inclusive Planning, Plan Implementation, Regional Planning, Rural Development, Village and Community Resource Planning, Transport Planning

**12. Completed research projects in the Department (during this year):**

Name of the Project	Thrust Area	Expected Outcomes	Total Fee
None			

**13. Details of consultancy projects undertaken by Department (during this year):**

Name of the Project and Sponsoring Agency	Name of Team Leader/Faculty	Thrust Area/Expected Outcomes	Total Grant/Fee (In Lakhs Rupees)
Master Plan for Gogamukh, NHPC	Prof. R. Biswas, Prof. Ashok Kumar, Prof. Mayank Mathur, Prof. Poonam Prakash	Preparation of Development Plan for Gogamukh, 2031. The project being coordinated by Prof. R. Biswas	25
Review of Master Plan and Preparation of a Sectoral Plan for Baddi Barotiwala Nalagarh	Prof. Mayank Mathur, Prof. Mahavir, Prof. Ashok Kumar, Prof. R. Biswas, Prof. Poonam Prakash	Inception Report submitted. Review of Plan under process. The project being coordinated by Prof. Mayank Mathur	65
Verification audit of Selected Railway Stations for the Persons with Disabilities	Prof. Ashok Kumar, Prof. R. Biswas, Prof. Mayank Mathur, Prof. Poonam Prakash and Manu Mahajan	First batch of 15 railway stations have been submitted. The project being coordinated by Prof. Ashok Kumar	150

**14. Give details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty.**

Name of the Faculty	Papers Published in Peer Reviewed Journals or Reviewed Book Chapters
Mahavir	Smart Cities and Not So Smart Geospatial Information

	Regulation Bill 2016' (co-author), SPANDREL, Journal of School of Planning and Architecture, Bhopal, Issue 12, Monsoon 2016-17, pp.82-91. Integration of Existing Information Systems as a Spatial eDemocracy Tool for Smart Cities in India' (co-author), Chapter published in Vinodkumar, T. M. (ed.), E-Democracy for Smart Cities, Springer, Singapore, 2017, pp. 369-390.
Ashok Kumar	Suzanne Speak and Kumar, A. (2017) 'The Dilemma of Diversity: Gender, Race and Ethnicity in Planning Theory', in Michael Gunder, Ali Madanipour and Vanessa Watson (eds.) <i>The Routledge Handbook of Planning Theory</i> , Routledge, London.
Chidambara	Chidambara and Gupta, S. (2018) Effect of Walkability on Users Choice of "Walking" the Last Mile to Transit Stations: A Case of Delhi Metro. <i>Urban Studies and Public Administration</i> , Vol. 1, No. 1, 2018. Scholink.
Papiya B. Raut	Raut P.B. and Raut S.K. (2017), "Application of Web 2.0 Technologies for Integration of Land-use and Transportation System" (reviewed paper) in International Conference Proceeding of Real Corp, held in September, 2017 ISBN -978-3-9503110-9-9 Raut P.B. and Raut S.K. (2018), "Shrinking Spaces and Emerging Role of Information Technology in India" (reviewed paper) in International Conference Proceeding of Real Corp, held in April, 2018 ISBN 978-3-9504173-4-0 (CD), 978-3-9504173-5-7 (print).

## 15. Details of other publications made by regular faculty of the Department

### **Mahavir**

Contribution made to "Golden Reminiscences: 50 Years of Capacity Building", Indian Institute of Remote Sensing, Dehradun, June 2017.

### **Ashok Kumar**

Kumar A. (2018) 'Actualizing Smart Regional Aspirations: A Case of the National Capital Region, India', in Vinod Kumar T. (ed.) Smart Metropolitan Regional Development, Springer, Singapore.

Kumar, A. (2018) *Three Narratives about Climate Change Policies in India*, Institute of Town Planners Journal, Vol.15, No. 1, pp. 21-36.



### **Mayank Mathur**

Mathur, M. (2017) Urban Informal Sector: How Sustainable is it? *International Symposium on Liveable Habitat and Sustainable Urban Agenda*, IIT Kharagpur, pp. 100-108

### **Poonam Prakash**

Prakash, P. (2017) Some thoughts on Resilience, Antifragility, Systems thinking and Planning Studios, *NOSPLAN Magazine*, December 2017, Delhi.

### **Chidambara**

Chidambara and Gupta, S. (2017) Pedestrian Environment Influence on 'Walk' as a Choice for Last Mile Connectivity (LMC) to Transit Stations: A case of Delhi Metro, Published in the proceedings of International conference UMI-CODATU Nov 4-6, 2017, Hyderabad.

### **Papiya B. Raut**

Raut P.B. and Raut S.K. (2017) Application of WEB 2.0 Technologies and Augmented Reality for preparation of Smart City's Development Plans, A paper published in the proceeding of 3rd International Conference on Advances in Management and Decision Sciences organized by Gautam Buddh University in December 2017 .

## **16. Faculty serving in**

### **(a) National Committees**

#### **Mahavir**

- Member, Doctoral Degree Committee, SPA, Vijayawada.
- Participated in the Researchers' Conference, as an Expert, for evaluation of the research on "Assessing and Modelling the Infrastructure Crunch City: Holistic Approach to Plan a Sustainable City using Geospatial Technology – Gulbarga", organized by the HSMI, HUDCO, New Delhi, May 19, 2017.
- Member, Selection Committee for the post of Deputy Director (GIS), NCR Planning Board, New Delhi, June 9, 2017.
- Member, Expert Committee for examining the objections received to the Question Papers for the APPSC, Andhra Pradesh, June 2017.
- Paper setter, APPSC, for appointment of Teachers in Planning Schools, 2018.
- Member of the Jury, Economic Times and Saint Gobain Smart Green Architecture Awards, 2018.



- Reviewer, JAPG\_2017\_706, Assessment of Urban Growth Dynamics in Mumbai Metropolitan Region, India, using Object-based Image Analysis for Medium-Resulting Data.
- Chairman, Study Group on Regional Land use, Review of the Regional Plan – 2021

### **Ashok Kumar**

- Member, National Advisory Council, Regional Studies Association, U.K., India Division, New Delhi, 2017.
- Member, Advisory Committee for the CIDCO Smart City Chair at NIUA, New Delhi
- Member, Executive Committee, Institute of Town Planners, India, New Delhi.
- Member, Senate, School of Planning and Architecture, Bhopal, Madhya Pradesh.
- Member, Board of Studies in M. Tech in Urban and Regional Planning (Postgraduate), SPA, Mysore University, Mysore, Karnataka.
- Member, Board of Studies in Lovely School of Architecture and Planning, Lovely Professional University, Phagwara, Punjab.
- Member, Town Planning Education Board, ITPI, New Delhi.

### **Mayank Mathur**

- Secretary, Town Planning Education Board, ITPI, New Delhi.
- Secretary, Educational Standing Committee, ITPI, New Delhi.
- Member, Board of Studies for Bachelor of Planning Programme, College of Engineering, Pune.
- Member, Board of Studies, Department of Architecture and Planning, Gautum Budh University, Greater NOIDA, U.P.
- Member, Board of Studies, DCRUST, Murthal.
- Member, Board of Studies, Amity School of Architecture and Planning, Gwalior.

### **Rabidyuti Biswas**

- Secretary, Examination, 2017-18 , ITPI, New Delhi
- Secretary, Town Planning Examination Board, 2017-18, ITPI, New Delhi
- Member of Evaluation Committee (ITPI) for evaluation of Planning Courses in India
- Member of Expert Committee for the Haryana Public Service Commission for the subject of Town and Country Planning, Panchkula

### **Poonam Prakash**

- Independent Director, Board of Directors, DMIC IITGNL, GNOIDA
- Member, Board of Directors, Transactional Analysis Centre for Education and Training

### **Papiya B. Raut**

- Co-opted member, Delhi Regional Chapter, ITPI, New Delhi

### **International Committees**

#### **Ashok Kumar**

- Member, the 'UK-India Joint Network on Sustainable Cities', Co-coordinated by the National Institute of Urban Affairs, Research Council U.K. India, and Newton Fund, New Delhi.
- Chairman, International Committee, Institute of Town Planners, India, New Delhi.
- Executive Member, India Chapter of Regional Studies Association, U.K.

### **(c) Editorial Boards**

#### **Mahavir**

Editor, *SPACE*, published by School of Planning and Architecture, New Delhi

#### **Ashok Kumar**

Editor, *ITPI Journal and Planners' Newsletter*, published by the Institute of Town Planners India, New Delhi.

Scientific Correspondent for *Spatial Justice Journal* being edited from Université Paris X Nanterre, Paris, France.

Member, International Advisory Board Member, *Journal of Design and Built Environment*, Kuala Lumpur, Malaysia.

#### **Rabidyuti Biswas**

Member of Editorial Board and Reviewer for *Academic Journal of Applied Engineering of International Association of Scientists and Researchers*, since Dec 2016

#### **Poonam Prakash**

Member, Editorial Board, *Creative Space*, Journal of Chitkara University, Punjab

**(d) Any other (please specify):**

## **Mahavir**

### **Memberships of other Institutions and Professional Bodies**

- Registered with the Council of Architecture, New Delhi, (Reg. No. CA/ 81/ 6718).
- Fellow of the Institute of Town Planners, India, New Delhi, (Regn.No.83-26).
- Life Member, Indian Institute of Public Administration, New Delhi. (Membership No. 4872).
- Founder Member, SPA Alumni, School of Planning and Architecture, New Delhi.
- Life Member, Indian Society for Remote Sensing, Dehradun. (Membership No. L 706).
- Life Member, राजभाषा संघर्ष समिति, नई दिल्ली

## **Ashok Kumar**

- Coordinator, Internal Quality Assurance Cell, School of Planning and Architecture, New Delhi.
- Fellow Member, Institute of Town Planners, India, New Delhi.
- Member, National Association of Geographers of India, New Delhi.
- Life Member, Indian Institute of Public Administration, New Delhi.
- Member, Association of American Geographers, USA

## **Mayank Mathur**

- Fellow Member, Institute of Town Planners, India, New Delhi.
- Member, Indian Institute of Architects, Mumbai.
- Registered with Council of Architecture, New Delhi.
- Member, Indian Institute of Public Administration
- Executive Member, IHS, Alumni Association, New Delhi
- Vice President, Institute for Housing Studies Alumni Association.

## **Rabidyuti Biswas**

- Fellow of Institute of Town Planners, India
- Fellow Member of International Congress of Environmental Research (FICER)
- Member, Indian Water Resource Society, Roorkee
- Associate Member, Institution of Engineers, India
- Member, Indian Society of Remote Sensing,
- Member, Institute of Urban Transport, India

### **Chidambara**

- Associate Member, Institute of Town Planner, India
- Life Member, Institute of Urban Transport, India

### **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

### **Piyoosh Singh**

- Associate Member, Institute of Town Planner, India
- Executive Member of Delhi Regional Chapter, ITPI
- Registered with Council of Architecture, New Delhi.
- NOSPlan coordinator for B. Plan. Students of the school.

### **17. Exhibitions, Seminars or workshops organized by the students and faculty of the Department:**

- Coordinated national workshop on 'How to Publish Paper in International Journals', organized by ITPI and Henley Business School in New Delhi on 10 January 2017.
- Workshop on Scoping: The Issues of Bhalswa Resettlement Colony, 21 and 22 March 2018 Newcastle University, U.K. and Department of Physical Planning, SPA. This event was coordinated by Prof. Dr. Ashok Kumar and Prof. Dr. Poonam Prakash.
- Coordinated International Conference on the Future of Cities, Opportunities and Challenges, on 27 and 28 July 2017, organized by ITPI, New Delhi. This event was coordinated by Prof. Dr. Ashok Kumar.
- Workshop on Critical Perspectives on Planned Indian Capital Towns, Chandigarh and Naya Raipur ENSPALV and SPAD students, 13 February 2018. This event was coordinated by Dr. Poonam Prakash.
- Workshop on 'Critical Perspectives on Planned Indian Capital Cities: Chandigarh and Naya Raipur' organized by Department of Physical Planning and ENSPALV, Paris as part of Indo-French Collaboration on 13th

February 2018. This event was coordinated by Dr. Poonam Prakash.

- Panel Discussion on Future Career Options for B. Planners (Student- Alumni Interaction, Department of Physical Planning, May 2018. This event was coordinated by Dr. Poonam Prakash.

## **17. Seminars or workshops attended by the faculty of the Department:**

### **a. National**

#### **Mahavir**

'Regional Planning: Settlement Pattern Planning for Hill Areas', invited Lecture delivered to the participants of the Professional Training Programme for the Officials of the Urban Development Sector, organised by the Government of Himachal Pradesh, Institute of Public Administration (HIPA), Shimla, 2017.

#### **Participation only**

Participated in "Healthy Environments and Active Living – Workshop and Networking", organised by the Queen's University, Belfast, UK, at New Delhi, June 7, 2017.

Participated in the International Conference on "Future of Cities: Opportunities and Challenges", organised by the Institute of Town Planners, India (ITPI), at New Delhi, July 27-28, 2017.

Participated in the Third National Meet on "AMRUT : Sub scheme on Formulation of GIS Based Master Plans for AMRUT Cities, NRSC, Hyderabad, organised by the TCPO/ MoHUPA and the NRSC/ ISRO, September 22, 2017.

Attended the GSDP Meeting – 'Training for Master's Trainers' on the revamped ENVIS Scheme, Ministry of Environment, Forests and Climate Change, New Delhi, November 9, 2017.

Participated in 'People's Participation for Implementation', on the World Town Planning Day, at ITPI, New Delhi, November 22, 2017.

Participated at the International Seminar on 'Smart Sustainable City Regions', organised jointly by the School of Planning and Architecture, New Delhi and Norwegian University of Science and Technology, Trondheim, at Institute of Town Planners, India, New Delhi, November 28, 2017.

Participated in the Mahindra World City: Confluence 2018, New Delhi, February 15, 2018.

Participated in the Geospatial *Artha* Summit, Geospatial World Geospatial Media and Communications Pvt. Ltd., New Delhi May 10, 2018.

Participated in the Indo Dutch Leaders Meeting on Smart Cities on the occasion of the visit of the Dutch Prime Minister and trade delegation, organised by the Embassy of the Netherlands in association with the World Bank, New Delhi, May 23, 2018.

### **Ashok Kumar**

Presented two papers and chaired a session in the International Conference on Future Cities: Opportunities and Challenges, held on 27-28n July, organized by ITPI New Delhi.

Presented a paper titled '*Women's Safety – Role of Urban Planning*' in a conference organized by SAMPURNA at the Press Club of India in Delhi on 22 September 2017.

Invited as Guest Speaker to participate in a symposium on '*Training and Capacity Building in City Planning*' in Urban Management and Governance by the Xavier University, Bhubaneswar on 2 December 2017.

Presented a paper on '*New Directions in Planning Education*' at the Xavier University in the *Second Annual Summit for Liveable Cities* focused on the subject of "Knowledge Systems for Liveable Settlements" from 16 to 17 February 2018. I also moderated this session.

Presented a paper on '*Major Water-related Challenges in Urban India*' in 'Water Security Workshop' organized by the Newcastle University, at Newcastle in U.K. from 9-12 April 2018.

Participated in a one day seminar on 'Different Aspects of Bhalswa Resettlement Colony' by students from both the institutes organized by Department of Physical Planning.

### **Mayank Mathur**

As Rapporteur, valedictory session International Conference on Future of Cities: Opportunities and Challenges organized by ITPI at Vigyan Bhavan on 27<sup>th</sup> and 28<sup>th</sup> July 2017

### **Participation only**

Attended International Conference on Future of Cities: Opportunities and Challenges organized by ITPI at Vigyan Bhavan on 27<sup>th</sup> and 28<sup>th</sup> July 2017

Attended CRISIL India Infrastructure Conclave: Financing the Great Indian Build-Out at Leela Palace, Diplomatic Enclave, New Delhi on 26<sup>th</sup> October, 2017

Attended Workshop on the P Slums Project- The rise of private slum developers in Bangladesh and India: Heroes or villains? in New Committee Room, SPA New Delhi on 20 April 2018.

### **Rabidyuti Biswas**

#### **Participation only**

Participated in the International Conference on the Future of Cities, Opportunities and Challenges, on 27 and 28 July 2017, organized by ITPI, New Delhi

Participated in the interactive session on the spatial norms for Rurban clusters, National Rurban Mission on 11 September 2017, organized by Ministry of Rural Development, Government of India, New Delhi

Participated in a workshop on How to Publish Paper in International Journals, organized by ITPI and Henley Business School in New Delhi on 10 January 2017.

Participated in a conference on Integration of Solar from Building to City, organized by SPA, New Delhi on 16 February 2017.

Rapporteur in the Valedictory Session in the International Conference on Future Cities: Opportunities and Challenges, held on 27-28n July, organized by ITPI New Delhi.

Participated in the workshop on the Faecal Sludge and Septage Management (FSSM) on 6 and 7 March 2018 in Ahmedabad organized by CPET, Ahmedabad and NIUA, New Delhi.

Participated in the Workshop to coordinate the activities of all media on 26 March 2018 organized by Ministry of HRD, New Delhi.

### **Poonam Prakash**

### **Participation only**

Participated in international conference on 'Future of Cities: Opportunities and Challenges' during 27-28 July 2017

### **Chidambara**

#### **Participation only**

Workshop on "Indo- Norwegian joint research project on CLIMATRANS" Institute of Town Planners, 1st April 2017, Delhi

Workshop on 'Indo- Norwegian joint research project on CLIMATRANS - final dissemination workshop" at India International Centre Annexe, 24th Oct 2017, Delhi  
'Bus Karo' Workshop on 'Strategizing Electric Bus Operations in India' organized by WRI, New Delhi on 4-6 April, 2018

### **Papiya B. Raut**

#### **Participation only**

Attended International Conference on 'Future of Cities: Opportunities and Challenges' on 27-28 July 2017 held in Vigyan Bhawan organised by ITPI Delhi

Attended workshop on "Landscape Planning and City Aesthetic" held on 22nd September, 2017 organized by ITPI Delhi

Attended workshop on "People's Participation for Plan Implementation" on 22 nd November 2017 organized by ITPI Delhi.

### **Priti Deo**

Participation only

Participated in international conference on 'Future of Cities: Opportunities and Challenges' during 27-28 July 2017

Participated in workshop on 'Critical Perspectives on Planned Indian Capital Cities: Chandigarh and Naya Raipur' organized by Department of physical planning and ENSPALV, Paris as part of Indo-French Collaboration on 13th February 2018.

Participated in a one day seminar on 'Different Aspects of Bhalswa Resettlement Colony' by students from both the institutes organized by Department of Physical Planning.



## **Piyoosh Singh**

### **Participation only**

Participated in international conference on 'Future of Cities: Opportunities and Challenges' during 27-28 July 2017

Attended one week STC (Short Term Course) on 'Significance Of Literary Theories In Humanities and Social Sciences' organized by Department of Humanities and Social Sciences, IIT Roorkee under Quality Improvement Programme (QIP), from 03 -07 July 2017.

Attended workshop on "Landscape Planning and City Aesthetic" held on 22nd September, 2017 organized by ITPI Delhi

Attended workshop on "People's Participation for Plan Implementation" on 22<sup>nd</sup> November 2017 organized by ITPI Delhi.

### **Presentation of Papers**

#### **International**

**Ashok Kumar** presented a paper titled '*Inclusionary City Planning Policies and the Right to Centrality and Discursive Articulations*' at the International Workshop on "The Politics of Inclusion" organised by UNESCO, Paris 6 - 7 July 2017.

**Taru Jain** 'Changing role of Bike Share in Melbourne' in ISOCARP Congress 2017, in Portland USA

**Chidambara** Presented a paper titled "Pedestrian Environment Influence on 'Walk' as a Choice for Last Mile Connectivity (LMC) to Transit Stations: A case of Delhi Metro" at International conference UMI-CODATU 4-6 Nov. 2017, Hyderabad.

**Papiya B. Raut** Technical University Vienna, Austria and presented a paper, titled, "Application of Web 2.0 Technologies for Integration of Land-use and Transportation System (reviewed paper) in International Conference of Real Corp, held in September, 2017"

#### **National**

#### **Ashok Kumar**

**Kumar, A.** (2017) *Expansion to What End: Inclusive Urban and Regional Planning Education in India*, International Conference on Future of Cities: Opportunities and Challenges, 28 July 2017, Vigyan Bhawan, New Delhi.

Vidyarthi, S. and **Kumar, A.** (2017) *Taking Stock at Sixty-five: State of Indian Planning Fraternity in 2017*, International Conference on Future of Cities: Opportunities and Challenges, 28 July 2017, Vigyan Bhawan, New Delhi.

**Kumar A.** (2017) *Women's Safety – Role of Urban Planning*, A paper presented in a conference organized by SAMPURNA at the Press Club of India in Delhi on 22 September 2017.

**Kumar, A.** (2017) *Public Engagement in the NDMC*, A paper presented a in the International Seminar on Smart Sustainable City Regions organized by SPA-Delhi and NTNU, Norway at Institute of Town Planners, India (ITPI), 28 November, 2017.

**Kumar A.** (2017) *Training and Capacity Building in City Planning*, A paper presented in Urban Management and Governance by the Xavier University, Bhubaneswar on 2 December 2017.

**Kumar A.** (2018) *Making Built Environment Accessible for Persons with Disabilities*, A paper presented at the 'National Conference on Improving Accessibility' organized by the Ministry of Social Justice and Empowerment held on 19 January 2018.

**Kumar, A.** (2018) *A Synoptic View of the Climate Change Policies of India: Two or Three Narratives'*, A paper presented at the 66th ITPI Congress held at Hyderabad from 2 to 4 February 2018.

**Kumar A.** (2018) *Planning Reforms: New Directions in Planning Education*, A presentation for Xavier Centre for Urban Management and Governance, Xavier University, Bhubaneswar, Orissa. 16 – 17 February 2018.

### **Mayank Mathur**

**Mathur, M.** (2018) Presented as Key Speaker at the International Conference on Liveable Cities: Transforming Sustainability and its Challenges, Conference Center Delhi University, 6 February 2018.

### **Chairperson and Member of Panels**

#### **Ashok Kumar**

Chaired a session and acted as a in the International Workshop on “The Politics of Inclusion” organised by UNESCO. The event was held in Paris from 6 July 2017 to 7 July 2017.

Coordinated and chaired a session in the International Conference on Future of Cities: Opportunities and Challenges, 27-28 July 2017, Vigyan Bhawan, New Delhi.

Chaired a session in a conference on '*Women's Safety*' organized by SAMPURNA at the Press Club of India in Delhi on 22 September 2017.

Chaired a session in a symposium on '*Training and Capacity Building in City Planning*' in Urban Management and Governance by the Xavier University, Bhubaneswar on 2 December 2017.

Moderator for the session on 'Accessible Built Environment' in a 'National Conference on Improving Accessibility' organized by the Ministry of Social Justice and Empowerment held on 19 January 2018.

Chaired a session at the Xavier University in the *Second Annual Summit for Livable Cities* focused on the subject of "Knowledge Systems for Livable Settlements" from 16 to 17 February 2018. I also moderated this session.

### **Mayank Mathur**

Chaired a session at the International Conference on Livable Cities: Transforming Sustainability and its Challenges, Delhi University, 6 February 2018 (after noon)

### **Rabidyuti Biswas**

External Examiner for M.Phil thesis jury in Delhi School of Economics, Delhi University on 24 July 2017

Planning Studio jury member for SPA Vijayawada 8 May 2017

External Examiner for Ph. D. thesis in NIT Calicut, 19 January 2018

Examiner for M. Arch (Ekistics) thesis in Jamia Millia Islamia, New Delhi 8 May 2018  
External Examiner for Ph. D. thesis evaluation (RDC) in MANIT Bhopal on 29 June 2018

Member of Expert Committee for the Haryana Public Service Commission for the subject of Town and Country Planning, Panchkula

Examiner for the dissertation titled Solid Waste Management in Delhi: Issues and Challenges, submitted by the 42nd APPPA of IIPA, New Delhi, April 2017

### **Poonam Prakash**

Jury member for Zonal Convention NASA, Royal Global University, Guwahati, Assam, 11 August 2018

Jury Member, M. Planning, Sushant School of Architecture and Planning, December 2017

Examiner for Thesis Stage I, M. Planning, Sir Chhotu Ram University, Murthal

**17 (b) Courses and training programs of attended by the faculty of the Department:**

**Priti Deo**

Attend two weeks Faculty Development Programme on 'Climate Smart Governance' scheduled from 25th June - 6th July, 2018 organized by Indian Institute of Public Administration and sponsored by Department of Science and Technology, Government of India. (to be held during 25 June -6 July)

**Papiya B. Raut**

Attend two weeks Faculty Development Programme on 'Climate Smart Governance' scheduled from 25th June - 6th July, 2018 organized by Indian Institute of Public Administration and sponsored by Department of Science and Technology, Government of India. (to be held during 25 June -6 July)

**Piyoosh Singh**

Attended one week STC (Short Term Course) on 'Significance Of Literary Theories In Humanities and Social Sciences' organized by Department of Humanities and Social Sciences, IIT Roorkee under Quality Improvement Programme (QIP), from 03 -07 July 2017.

**Awards or recognitions received at the national and international level by the faculty, and students**

Professor Poonam Prakash is awarded Associate Fellowship for visit for one month for next three years at the Indian Institute of Advanced Studies for research.

<b>External Advisory Committee Members</b>	
<b>Prof. Rajiv Shringi</b> Department of Architecture, MNIT	<b>Ms. Parul Agarwal</b> Regional Urban Specialist,

Jawahar Lal Nehru Marg, Jhalana Gram, Malviya Nagar, Jaipur, Rajasthan 302017	UN Habitat, HUDCO Bhawan, Lodi Road, New Delhi-3
<b>Ms. Leenu Sehgal</b> Commissioner(Planning) Delhi Development Authority, New Delhi	

**External members of the Departmental Research Committee:**

<b>Doctoral Research Committee Members</b>	
<b>Dr. Manoranjan Parida</b> Professor, Department of Civil Engineering IIT Roorkee, Uttaranchal, 247667	<b>Dr. P. Jaipal</b> Executive Director HUDCO

**18 Prominent visitors to the Department of studies**

- Dr. Suzanne Speak, Newcastle University, U.K.
- Dr. Catherine Button, Newcastle University, U.K.

**19 Details of activities under various MOUs during the reporting year: (Not covered earlier)**

- MoU with University of Newcastle, U.K.
- MoU with ENSAPLV, Paris

**20 Details of 'beyond syllabus scholarly activities' of the department: (50 words only)**

Prof. Ashok Kumar edited 4 issues of the ITPI Journal and 4 issues of Planners' Newsletter published by ITPI, New Delhi.

Prof. Poonam Prakash responded to various public notices for modification of the Delhi Master Plan 2021 and also attended Board of Enquiry and Hearing for the same. She also used this as a teaching tool and took the students to attend and observe the Board of Enquiry and Hearing meetings.

**21 Any other information:**

Plans are afoot to launch the *Five Year Integrated Master of Planning* programme by the Department. The School has accorded approval for the same and it is expected that the option to take up integrated planning programme by the prospective students will become available from the next session.

## **Achievement of Students**

The Department of Environmental Planning had recently collaborated with IITM Pune to organize the 2018 Emission Inventory Campaign for Delhi. For this campaign, many students from the SPA and other colleges in Delhi formed a part of the volunteer team of 150 members; in which Mr. Siddhesh Kudale, First Year student, B. Planning was awarded the Best Performance Award for the Best Volunteer during the Valedictory ceremony held on 27th of June, 2018 at Prithvi Bhavan, Delhi.

Mr. Siddhesh Kudale, First year was given a special mention for Ideation Competition, under DIC project of the SPA, New Delhi for his project on Bio-CNG for intermodal linkages.

In NOSPLAN Annual Convention, in "CURRENT PRACTICES' Jagrit Joshi, Charuvi Begwani, Vasudha Sharma, Tsomo Wangchuk, Jahnvi Agarwal, Pulkit Kathuria and Tanmay Dev from B. Planning participated and won Second Prize.

In the event 'Policy Formulation', Amar Singh Rajput, Priyadarshini Jha, Akshara Shibu, Purnima Mahajan, Palak Passi, Vasudha Sharma from B. Planning won Second Prize. In the event, Showcase, edited by Priyadarshini Jha, we won the first position. In visualisation Challenge Nidhi Kalani, Arvind MG, Shreyadeep, Srivathsa and Yatharth Saxena from B. Planning won the first prize. In the event Stalwarts, Anunay Chowdhary, Shambhavi Gupta, Harshit Varshney, Kajal Gupta won third prize. In the event Kathakaar, Gulshan Sahu, Anushree Banerji, Askriti Mohan and Anirudh Ray won second position.

In a smaller event of NOSPLAN, held at Lovely Professional University in March 2018 Jalandhar, students won the overall trophy.

## **Important Alumni activities**

An alumni-student interaction titled 'Future Career Options for B. Planners' was organised on the occasion of Farewell of Batch of 2018 on 11 May 2018. About 15 alumni participated and shared their experience and insights regarding career options.

**Photograph**





**Alumni-student interaction May 2018**





**Presentation of Students during Joint Workshop with ENSAPLV, Paris on Critical Perspectives on Planned Indian Capital Towns: Chandigarh and Naya Raipur, February 2018.**



# DEPARTMENT OF ARCHITECTURAL CONSERVATION

## 1. Name of the Department

Department of Architectural Conservation

## 2. Names of academic programs offered by the Department

- Masters with specialization in Architectural Conservation
- Ph.D.

## 3. Year of establishment of the Department

1986

## 4. Faculty profile:

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Number of Years of Experience
Anuradha Chaturvedi	B.Arch., M.A. Conservation Studies, University of York , UK	Associate Professor and Head of Department	Heritage Management and Sustainable Development, Cultural Landscapes	32
Priyaleen Singh	Ph.D. University of York M.L. Arch., M.A. Conservation Studies, University of York. Cert course conservation of Historic towns (College of Engineering, Tuscany, Florence), B. Arch	Dean Faculty Welfare	Urban conservation, Cultural landscapes, Historic gardens	34
T. Lakshmi Priya	B. Arch, M.Arch with specialization in Architectural	Assistant Professor	Conservation, Heritage Management	15

**5. Details of teaching work undertaken by the regular faculty in the Department**

<b>Name of the Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours Per Week</b>
Priyaleen Singh	Ist	History and Theory of Conservation ( Theory )	1
	IIInd	Inter Department Elective (Theory)	2
	Ist	Conservation Studio (Studio)	8
	IVth	Conservation Studio (Studio)	8
Anuradha Chaturvedi	Ist	Foundation Course( Theory )	1
	IIInd	Emerging Paradigms(Theory)	1
	IIInd	Building Materials and Structural Systems II and Laboratory (Theory)	1
	IIInd	Conservation Studio(Studio)	8.
	IIIrd	Conservation Studio (Studio )	12
	IVth	Research Paper II	2
T. Lakshmi Priya	Ist	Management of Historic Building Systems (Theory)	1
	IIInd	Integrated Urban Conservation (Theory )	1
	IIInd	Cultural Landscapes (Theory)	1
	IIInd	Conservation Studio(Studio)	12
	IIIrd	Inter Department Elective ( Theory)	2
	IIIrd	Heritage Economics (Theory)	1
	IIIrd	Conservation Studio(Studio)	12
	IVth	Management Seminar (Theory)	2

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School.**

<b>Name of the Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours Per Week</b>
Priyaleen Singh	Second Semester	Inter Department Elective (Theory)	2

T. Lakshmi Priya	Third Semester	Inter Department Elective (Theory)	2
	July to December 2017	4th year Dissertation of B. Arch student, School of Planning and Architecture, Delhi. on 'Adaptive Reuse 'Giving a New Life to Heritage Building'	2
		4th year Dissertation of B. Arch student, School of Planning and Architecture, Delhi. on 'The Right Conservation Practices'.	2

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department**

Name of the Visiting Faculty	Semester	Subjects (Theory and Studios)	Hours Per Week
Manish Kumar	Ist	GIS Basic (Theory)	2
	IInd	GIS Advanced ( Theory)	2
Sheela Bajaj	Ist	Oral Communication	0.5
Golak Bihari Khandual.	Ist	Oral Communication	0.5
Dr. Rima Hooja	Ist	Foundation Course	1
Sangeeta Bais	Ist.	Building Materials and Structural Systems (Theory)	1
R.S. Jamwal	Ist	Building Materials and Structural Systems (Theory)	1
A Vijaya	Ist	Management of Historic Building Systems.(Theory )	1
Chetna Singh	Ist	Planning for Conservation (Theory)	0.5
Dr. Meenakshi Dhote	Ist	Planning for Conservation (Theory)	0.5
M.L. Chotani	Ist	Planning for Conservation (Theory)	0.5
Harshita Deo	Ist	Planning of Conservation (Theory)	0.25
Dr. Sewa Ram	Ist	Planning of Conservation (Theory)	0.25
Satish Pandey	Ist	Conservation Lab(Theory )	1
Sangeeta Bais	Ist.	Building Materials and Structural Systems (Theory)	1
R.S. Jamwal	Ist	Building Materials and Structural Systems (Theory)	1
Saumya Tripathi	Ist	Conservation Studio(Studio)	6

Ridhima Bajaj	Ist	Conservation Studio(Studio)	8
Aishwarya Tipnis	IIInd	Department Elective (Theory)	2
Bharti Sikri (Contact Faculty)	IIInd	Department Elective (Theory)	2
	IIInd	Conservation Studio(Studio)	2
Vertika Sharma	IIInd	Heritage law and jurisprudence (Theory)	1
S.B. Ota	IIInd	Archaeology	1
Smita Datta Makhija	IIIrd	Department Elective (Theory)	2
Azfar Ahmad	IIIrd	Department Elective (Theory)	2
Yaaminey Mubayi	IIIrd	Research Paper-I(Theory)	1
Shalini Dasgupta	IIIrd	Heritage Tourism (Theory)	0.5
Vaibhav Prakash	IIIrd	Heritage Tourism (Theory )	0.5
B.M. Pande	IIIrd	Conservation Studio (Studio)	0.5
Jayeeta Sen (Ph.D Candidate)	IIIrd	Conservation Studio(Studio)	0.5
S.M. Azizuddin Husain H	IVth	Conservation Studio(Studio)	2
Ms. A. Vijaya	IVth	Conservation Studio(Studio)	2
Divya Gupta	IVth	Conservation Studio(Studio)	2
Shalini Dasgupta	IVth	Conservation Studio(Studio)	2
Yaaminey Mubayi	IVth	Conservation Studio(Studio)	6
Ridhima Bajaj	IVth	Conservation Studio(Studio)	8
Sukkanta Saha	IVth	Conservation Studio(Studio)	4
Bharti Sikri Contract Faculty	IVth	Conservation Studio(Studio)	8
	IIInd	Conservation Studio	4
	IIInd	Department elective	2

**(b) Details of Special Lectures undertaken in the department**

<b>Name of the Visiting Faculty</b>	<b>Semester</b>	<b>Topic</b>	<b>Date</b>
Shama Mitra Chenoy	Ist and IIIrd	Urban Planning Shahjahanabad	16/08/2017
Anjali Krishnan Sharma	Ist and IIIrd	Sustainability of The Living Historic City of Jaipur	23/08/2017
Ms. Ridhima Bajaj	Ist and IIIrd	Understanding and Identification of Cultural Resources Along a Historic Route: Case study of Mughal Imperial Highway and The Grand Trunk Road in Punjab	30/08/2017

Aishwarya Uday Tipnis	Ist and IIIrd	Heritage Led Design. Lessons from the Doon School	13/09/2017
Meenakshi	Ist and IIIrd	'Transformation of Historic Landscape Corridors of Delhi	11/10/2017
Shilpa Jain	Ist and IIIrd	From Theory to Practice in Conservation (2.00 pm- 3.00 pm)	15/11/2017
Dr. Mara Camaiti (Italy)	Ist and IIIrd	Explanation of Methodology of Scientific Methods for Conservation	
Raaja Bhasin	IInd and IVth	A Broad Overview and some Examples of Indigenous and colonial Architecture in Himachal Pradesh and Some Conservation Initiatives	28/02/2018
Dr. S M Azizuddin Husain	IInd and IVth	The Historical Significance, Raza Library, Rampur	15/03/2018

**8. Department involvement in inter disciplinary programs and names of other departments involvement.**

Institutional Electives for students in Second and Third Year in Departments of Industrial Design, Landscape Architecture, Urban Design, Building Engineering and Management.

Inter-Departmental Elective on Historic Gardens and Landscape Heritage in Second Semester and on Impact of Development on Heritage Sites (Heritage Impact Assessment) in Third Semester offered by Department of Architectural Conservation.

Chetna Singh, Assistant Professor, Department of Regional Planning, Prof. Dr. Meenakshi Dhote, Department of Environment Planning, Harshita Deo, Assistant Professor, Department of Housing, Prof. Dr. Sewa Ram, Department of Transport Planning for Planning for Conservation Theory Module (First Semester)

Associate Professor Anuradha Chaturvedi:  
E-Pathshala, UGC (MHRD project under NME): preparation of modules for paper on 'Urban Heritage and Renewal' for Department of Urban Planning.

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

## Anuradha Chaturvedi

Lecturer, paper setter and evaluator for 'Urban Conservation and Heritage Management' module of course of ITPI, 8-10 January, 2018

### 10. Semester-wise details of the studio work undertaken by the students:

Name of the Studio	Precise Objectives of the Studio	Case study Description	Major Conclusions and Outcomes
1st Semester: Studio exercise <b>Lost Serais of Shahjahanabad</b>	To provide an introduction to the concept of conservation at the building and architectural complex level, and to gain an insight into the history and the layers of Shahjahanabad in a holistic manner as a series of interconnected urban systems, with emphasis on the architectural idioms and construction systems adopted, and their contemporary relevance.	Serai Bangash, presently Gadodia market, sitting in the heart of Khari Baoli, is the largest spice market in Asia. It was once a very important Serai as part of the Fatehpuri masjid complex, before it became the hub of the spice market in the late Mughal and early colonial period, a use that has continued to date. This studio, in focusing on the conservation of Serai Bangash, drew up a plan to conserve it. The proposals, in the true spirit of conservation were aimed at not just conserving the built heritage but through conservation oriented development, bring about a positive change in the lives of the people	Through working with local communities and a range of public sector stakeholders, the project looked at how a range of alternative 'narratives' can emerge beyond the conventional narratives assigned to heritage sites, arrived at after considering the values and meanings they associate with the built environment and urban spaces they inhabit.

		residing in and working in the area.	
<b>IIIrd Semester Management and Conservation strategies for sustaining the values of the Cultural region of Almora, Uttarakhand</b>	The Studio project focuses upon the identification and management of the Cultural Landscape of Almora Town, within the larger Kumaon Cultural Region. The objective was to develop research methods and multi-disciplinary techniques required for addressing complex issues associated with conservation and management of Cultural Landscapes within a Mountain Region.	Almora located on a ridge at the southern edge of the Kumaon Hills of the Himalaya range, is an exceptional cultural landscape which depicts the deep rooted relationship between the inhabitants and their environment. Primary studies and surveys of Almora and the pilgrimage centers of Katarmal, Bageswar and Jageshwar were conducted. This studio focused upon the tangible and the intangibles values of this landscape, which are threatened by development pressures.	Identification of values of this cultural landscape, mapping the resources both cultural and natural, examining the transformation of the cultural landscape and understanding the existing management frameworks and the needs of the local community. Addressing the needs of conservation and management issues both at the regional level and the local level and proposals for sustaining the values of this cultural landscape.



<p><b>II Semester - Sustainable Urban Conservation and Regeneration Plan for the Historic Core of Ahmednagar, Maharashtra</b></p>	<p>The studio focused on development of models of integrated conservation and sustainable development to enable a better quality of life and habitat in the defined historic core area of Ahmednagar. Strategies for integration of urban conservation into planning procedures at the master plan level were devised, with detailed conservation intervention projects.</p>	<p>Historic towns such as Ahmednagar face increasing pressures due to commercialization, changing land uses, transportation and increasing population densities, resulting in deterioration of the historic urban systems, obsolescence of the distinctive residential buildings and unique 'Qanat type' water harvesting structures, and loss of heritage resources</p>	<p>Assessment of significance urban systems characteristic of the historic city, identification of issues linked with the scale and rate of urban transformation and loss of heritage. Detailed conservation projects that included restoration, adaptive reuse, retrofitting, conservation guidelines as well as infill design of new buildings, and revitalization of public open space systems, to infuse new life into the identified heritage area of Ahmednagar</p>
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**11. Provide details of the thesis topics researched by the students of the final year class:**

Roll No.	Name of the Student	Thesis Topic
SPA/NS/AC/767	Auro A Ghosh	Conservation Plan for the Late Nineteenth Century Railway Colony of Jatni (Khurda Road, Odisha)
SPA/NS/AC/768	Caroline Mariza Dsouza	Conservation Plan For The Old Port Area of Mangaluru
SPA/NS/AC/769	Dheeraj Kumar	Conservation Strategy for the Revival of Traditional Water Management System of Bundi, Rajasthan.
SPA/NS/AC/771	Jigisha Dharman	Conservation Management Plan for Gujarati

		Street in Kozhikode
SPA/NS/AC/772	Krishna Kumar	Conservation Management Plan for Kardameshwar Mahadev Temple Precinct, Varanasi
SPA/NS/AC/775	Noopur Kumari	Urban Conservation Strategies for Hanuman Gali as a Connector from Pushkar Lake to Kapaleshwar Temple
SPA/NS/AC/776	Pooja Rajendra Babu	Conservation Strategies for Thazhathangadi Theruvu, Kottayam
SPA/NS/AC/777	Sanjay Bhandari	Conservation Strategies for Colonial Castles of Shimla, Himachal Pradesh: Case of Bantony Castle
SPA/NS/AC/778	Shaista Perveen	Rediscovering the Cultural Significance and Historicity of Azamgarh (U.P) Through Physical Manifestation of Heritage Typologies
SPA/NS/AC/779	Shinjini Bhattacharyya	Conservation Strategies for Traditional Houses of Shobhabazaar , North Calcutta
SPA/NS/AC/780	Sushant Bharti	Conservation Management Plan for Rangji Temple Complex and its Precincts, Vrindavan (U.P.)
SPA/NS/AC/781	Tanzeel Ahmad	Conservation Strategies for the Historic Residences (Manzils /Kothis/Havelis) of Aligarh (1875—1947)

**12. Provide details of the thesis topics being researched by the doctoral students in the Department:**

Year of Enrollment	Name of the Student	Thesis Topic	Name of the Research Supervisor
2012	Sameer Hakim Hamadani	Syncretic traditions of religious architecture of Kashmir	Prof. Dr. Priyaleen Singh
2016	Bulbul Shukla	Colonial Urban Open Space and its image transformation.	Prof Dr Priyaleen Singh
2018	Shalini Dasgupta	Evaluating energy efficiency in Heritage buildings in India: Residential typology in Hot-Humid climate	Prof Dr Priyaleen Singh

**13. Research thrust areas of the Department**

- Conservation of Historic cities, their urban form and Historic Gardens

- Cultural Landscapes; Historic Water Management Systems in the Deccan, Semi-Arid, Coastal and Mountain Regions
- Heritage Economics and Heritage Impact Assessment
- Scientific investigation of traditional building materials, techniques and systems,
- Mainstreaming heritage resource management into the planning framework and government development initiatives,
- Post-Independence Modern Architecture in India

**14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Name of the Project	Thrust Area of the Faculty	Expected Outcomes	Total Fee
Ministry of Human Resource Development Design Innovation Centre	Improved conservation interventions for historic havelis in Shahjehanabad/ Associate Professor Anuradha Chaturvedi	Development of mobile application wEConserve and website Heritage Help Online - an interactive heritage materials and systems app-supported by technical database for providing knowledge of timely and cost-effective conservation and retrofitting intervention options	Phase 1b 10.80 + 3.0 Lakhs 2017-18 Phase 1b and 2
CPWD, Heritage Impact Assessment for General Pool Residential Colony, Mohammadpur, Delhi	Impact Assessment of Development Projects on Heritage Resources Associate Professor Anuradha Chaturvedi	Assessment of Value and Significance of Heritage Resources, Impact identification of proposed development projects, and proposals for required mitigation measures	Rs. 2,50,000
Comprehensive Conservation Management Plan for National	Management and Protection of the NAI heritage building/ Asst. Prof. T.	An Integrated Management Plan to guide all conservation and restoration works at NAI, New Delhi to	Rs 22,72,252

Archives of India (NAI), New Delhi Client : National Archives of India, Ministry of Culture	Lakshmi Priya	help the client with all aspects of the site and building and handle city level changes to be in harmony with the context and site.	
Vision document for Taj Trapezium Zone	Heritage resource conservation/Prof Dr Priyaleen Singh	As a multidisciplinary activity the document will outline strategies for the conservation of heritage resources within the region.	Rs 50 lakhs

## 15. Inter-institutional collaborative projects and associated grants received

### (a) National collaboration

None

### (b) International Collaboration

#### Anuradha Chaturvedi

Name of the Project	Thrust Area	Expected Outcomes	Total Budget
India- Italy Scientific and Technological Programme 2017-19 of DST Collaborative research project between CNR-IGG (Italian Research Council, Florence) and SPA	From Lab to Land: Research on performance of improved traditional materials and techniques.	Research-cum-training and outreach initiative for practical application of scientific knowledge to common conservation problems. Evaluate the efficacy of various traditional and historic building materials and utility of specific, compatible, modern materials for improved conservation interventions on residential heritage buildings (havelis) in composite tropical climates	Indian Party (Department of Science and Technology, GoI) - Rs 10,60,000 and Italian Party (CNR-IGG: Italian Research Council) – Euro 11,690 for 3 years

**16. Research facilities or centre (s) in the Department. If yes, describe each in 50 words only.**

<b>Name of the centre of facility</b>	<b>Thrust Area</b>	<b>Expected Outcomes</b>	<b>Total Grant</b>
Design Innovation Centre Laboratory	Development of innovative products for improved conservation interventions	Android phone app wEConserve and website Heritage Help Online for enabling residents of historic Havelis in Shahjahanabad to take informed decisions regarding priority conservation interventions.	Phase 1a – Rs 6,40,000 Phase 1b 10.80 + 3.0 Lakhs
Conservation Laboratory	Scientific analysis and characterization of traditional and historic building materials	Supports academic outcomes of Modules First and Second Semester Modules on Conservation Science, Techniques and Technology. Also to be utilized for joint research project under India-Italy Scientific and Technological cooperation programme.	-

**17. Details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty.**

**Prof. Dr. Priyaleen Singh**

- ‘Engaging with nature and Natural Heritage’ in SEMINAR: The monthly symposium ‘Issue 705. pp. 50-53.
- Book review of ‘Women Architects and Modernism in India: Narratives and Contemporary practices’ Madhavi Desai, Routledge India for ‘Social Change’ Issue 47 (4) Sage. pp. 1-3.

**Anuradha Chaturvedi**

- Chapter entitled ‘Historic water systems in India: relevance for sustainable

development of significant cultural landscapes' in 'Water and Society: Resilience, decline and revival from ancient times to the present' ed. Frederica Sulas and Innocent Pikirayi, Routledge. pp. 282-312.

- Thematic Study on 'Hill Stations' for State of Built Heritage in India by INTACH, Delhi.

**18. Give details of other publications made by regular faculty of the department of studies.**

**Priyaleen Singh**

- 'Recording Historic gardens for Conservation' in Dua, Geeta (ed.) Flights of Hope. Landscape foundation India, New Delhi pg 106-109
- 'Itimad ud daulahs tomb garden: Restoring the Mughal garden experience' in Dua, Geeta (ed.) Flights of Hope. Landscape foundation India, New Delhi pg 110 - 115

**19. Faculty selected nationally or internationally to visit other laboratories or institutions or industries in India and abroad**

Anuradha Chaturvedi visited Cultural Heritage laboratory of CNR-IGG, Florence (Italian Research Council) under India-Italy Scientific and Technological Research Programme 2017-19. 21-30 September 2018.

**20. Faculty serving in (a) National Committees (b) International Committees(c) Editorial Boards (d) Any other (please specify)**

**(a) National Committees**

**Priyaleen Singh**

- Member, Selection committee, Sushant School of Architecture, Ansal University, Gurgaon
- Member, Core group for preparation of National Disaster Management guidelines on Risk management of centrally protected monuments. NDMA, Government of India.
- Member DRC Department of Conservation, Bhopal.
- Member, Building Committee of Delhi University.
- Member, Selection board for selection of OSD Horticulture for Presidents Estate, New Delhi.
- Member Delhi Urban Heritage Foundation' DDA, Delhi
- Member, Board of management, Delhi Institute of Heritage Research and

Management, Delhi Government.

- Member, Evaluation Committee for financial assistance to conservation of unprotected monuments. ASI Government of India.

### **Anuradha Chaturvedi**

- Member of Building Lime and Gypsum Products Sectional Committee, CED4, Bureau of Indian Standards (BIS) ), Manak Bhawan, New Delhi and Member representing SPA, New Delhi, on Working Group and BIS Panel for Handbook on Limes and revision of IS 712, Manak Bhawan, New Delhi
- Member, Organizing committee for an International Conference on 'India – Japan Historical Linkages' to be organized by Japan Foundation and MOSAI (Monbusho Scholars Association of India) on India-Japan linkages, in November 2018.
- Member, Selection Committee constituted for Selection of students for Semester Abroad programme at the University of Melbourne under MoA between SPA, New Delhi and University of Melbourne.
- Member, Moderation Committee, Department of Architectural Conservation.

### **T. Lakshmi Priya**

- Member of the Technical Assessment Committee for assessment of estimates and other matters related to different circles of ASI.
- Member, ICOMOS India

### **(c) Editorial boards**

#### **Priyaleen Singh**

- Member, Editorial Board, 'Architecture: Creative space' Chitkara University
- Member, Peer Review Board, THAAP journal, Lahore.

### **21. Exhibitions, Seminars or workshops organized by the students and faculty of the department**

#### **Anuradha Chaturvedi**

- Community Workshop –'From Laboratory to Conservation Site. Prayogshala se Sanrakshansthal tak' at ChunnaMal Haveli and Ballimaran, Shahjahanabad on 12 November 2017 linked with DST and DIC research projects.
- Report prepared by Students of IInd Semester for Almora District Commissioner on 'Pilgrim routes of 19th Century Almora associated with

Swami Vivekanand: Revitalization of Mornaula through local initiative'.  
September, 2017

- Exhibition of Students Work on Lost Sarais of Shahjahanabad and Heritage of Ahmednagar, and participatory interactive photo-booth on occasion of World Heritage Day, 18 April 2018 at SPA, Planning Building.

## **22. Seminars or workshops attended by the faculty of the department**

### **Priyaleen Singh**

- Invited to deliver special lecture cum workshop in Chandigarh College of Architecture on 'Demystifying Conservation' 23 April 2018
- Invited to be a panelist in panel discussion on 'Future of Heritage- Case of Agra' by Architects Association of Agra. 17 March 2018
- Invited to give two lectures on 'Conservation of Natural Heritage' in the module on 'Urban Conservation and enabling environment' as part of Capacity Development programme in Built Heritage studies conducted by CSMVS and MMMR Heritage conservation society, Mumbai, 15 Feb 2018.
- Invited in advisory capacity to assess excavation works in Gobindgarh fort, Amritsar by PHTB. 3-4 Jan 2018
- Invited to conduct a session in 'Educational program on Conservation of Forts' at Nagaur Fort by Mehrangarh Museum Trust. 11-12 Nov 2017
- Invited to present paper on 'Ekamrashtra: a Smart city' in Smart Cities workshop in Bhubaneswar, organized by Heidelberg Centre South Asia. Sept 21-22 2017
- Attended 19<sup>th</sup> ICOMOS General Assembly 7-17 Dec 2017.

### **Anuradha Chaturvedi**

- Participated in INTACH-IIC symposium on 'Post-Independence Architecture of India: Context and Significance', 6th July, 2017
- Participated in Workshop on 'Green Materials for Sustainable Building Solutions' organized by CoA and Italian Trade Agency, 10th July, 2017
- Attended Indo-German Smart Initiative Urban Lab#1 Conference on 'Integrated Urban Development and Co-Production for Indian Cities', organized by Department of Regional Planning, SPA, New Delhi on 12th July, 2017
- Invited presentation on Urban Conservation and Sustainable Development in Dehra Dun at 'Smart Dehra: Seminar on Issues confronting Dehra Dun', organized by INTACH Dehra Dun, at DIT University, 11-12 August 2017
- Conducted sessions and made presentation at participatory workshop –'From Laboratory to Conservation Site. Prayogshala se Sanrakshansthal tak' at



ChunnaMal Haveli and Ballimaran, Shahjahanabad on 12 November 2017 organised by Department of Architectural Conservation, linked with DST and DIC research projects.

- Participated in Panel Discussion at Asia-Pacific Expert Conference on Quality Standards: How to develop subject benchmarks for quality higher education focusing on two subject areas of cultural heritage management and educational studies, organized by UNESCO, Bangkok, 23-24 November 2017
- Joint Indo-Italian Workshop on Multi-hazard Mitigation of Risks to Cultural Heritage organized by DST, Government of India; IIT Jodhpur and Embassy of Italy in India at IIT Delhi, 4-5 December 2017
- Made presentation on Department of Architectural Conservation project wEConserve at the SPA, DIC Spoke and Hub workshop in March , 2018
- Invited lecture on 'Heritage Conservation', at Department of Architecture, Chandigarh University, 28 March 2018
- Participated in Round table discussion on 'Establishing Criteria for Listing of Architectural Icons of the Post-Independence Era in Delhi', INTACH Chapter, Delhi, 19 May, 2018
- Attended ICOMOS 19 General Assembly, Delhi, 12-17 December 2017

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

- Attended the third Session of the Monthly Public Outreach Series towards the upcoming ICOMOS General Assembly and Scientific Symposium, on 'Protecting and Interpreting Cultural Heritage in the Age of Digital Empowerment' on 23rd September 2017
- Attended a special lecture by prominent historian Dr Ebba Koch on 'The Taj Mahal and Mughal Agra' on 25th October 2017 from 3pm onwards in the Auditorium.
- Attended the Fourth Session of the Monthly Public Outreach Series towards the upcoming ICOMOS General Assembly and Scientific Symposium, on "Culture-Nature Journey: Exploring the Complexities of Human Relationships with Natural and Cultural Places" on 28th October 2017
- Attended an illustrated talk by Dr. Pilar Maria Guerrieri on her book "Maps of Delhi" on November 10, 2017 at the New Committee Room, SPA-D
- Attended and participated in the workshop –'From Laboratory to Conservation Site. Prayogshala se Sanrakshansthal tak' at ChunnaMal Haveli and Ballimaran, Shahjahanabad on 12 November 2017 organised by Department of Architectural Conservation
- Attended the Session on Industrial Heritage, ICOMOS, on 11 December 2017
- Attended ICOMOS 19th General Assembly, Delhi, from 12-17 December 2017

### **23. Courses and training programs of more than one week attended by the faculty of the department**

None

**24. Awards or recognitions received at the national and international level by the faculty, and students.**

None

**25. Internal and external members of the Advisory Committee**

<b>Internal Members</b>	
1.	Anuradha Chaturvedi, Head Department of Architectural Conservation
2.	Prof. Dr. Priyaleen Singh , Department of Architectural Conservation, SPA-D (Dean, Faculty Welfare)
3.	T Lakshmi Priya, Department of Architectural Conservation
<b>External Members</b>	
1.	Prof. K. B. Jain, Conservation Expert and Retired Professor, CEPT University
2.	Dr. Ranjini Bhattathiripad , Professor in Architecture School of Architecture, Government Engineering College, Thirussur
3.	Ar. Divay Gupta , Director Architectural Heritage Division, INTACH

**26. Internal and external members of the Departmental Research Committee**

<b>Internal Members</b>	
1.	Anuradha Chaturvedi, Associate Professor and Head of Department
2.	Prof. Dr. Priyaleen Singh
3.	Prof. Dr. Mahavir, Dean (Academics)
<b>External Members</b>	
1.	Dr. Partho Datta, Historian and Professor , JNU
2.	Prof. R.C. Agrawal Retired Director, ASI President, Rock Art Society of India

**27. Prominent visitors to the department of studies:**

- Dr Mara Camaiti and Dr Andrea Orlando of the Italian Research Council, CNR-IGG, Florence Section
- Dr Maria Elena Corrado Architect, Specialized Institute for Conservation and Restoration, Rome;

- Dr Caterina Tantillo Architect, Ministry of Cultural Heritage Activities and Tourism, Italy;
- Professor Claudio Modena, University of Padua, Italy;
- Professor Alvise Benedetti, Ca' Foscari University of Venice, Italy.
- Professor Valeria Minucciani, Department of Architecture and Design and Professor Gabriele Garnero of the University Polytechnic of Turin, Italy

## **28. Details of activities under various MOUs during the reporting year**

Selection of Ms Ritu Sara Thomas of IInd Semester, Department of Architectural Conservation for Semester Abroad programme at University of Melbourne under MoU signed between SPA, Delhi and University of Melbourne, Australia.

## **29. Details of 'beyond syllabus scholarly activities' of the department.**

### **Anuradha Chaturvedi**

- Prepared Collaborative Research Project proposal with Dr Patrizia Riganti of Nottingham Trent University, UK on 'Developing a Smart Heritage agenda for Inclusive, Heritage-led Regeneration in Delhi' for UGC-UKIERI programme. Made presentation at UGC.
- Discussion with Turin Polytechnic on modalities for MoU for future collaborative research and student exchange etc.

## **30. Any other information**

### **Prof. Dr. Priyaleen Singh**

- Peer reviewed four articles for Thaap Journal, Lahore, Pakistan.
- Research contribution to 'National Register of Historic gardens', INTACH listing cell project
- Peer reviewer as part of Advisory member, Architectural Heritage Division INTACH, for 'Conservation work carried out at Scindia School, Gwalior by INTACH, Feb 2018
- Resource person and presenter for BBC documentary on 'Mughal gardens'. 10 October 2017
- Evaluated Report of SRDC on Redevelopment around Jama Masjid, Shahjahanabad.

### **Anuradha Chaturvedi**

- Contributed photographs to articles e-published on Scroll.in on Gardens of

Kashmir, Heritage buildings of Srinagar, Growing Orchids, Moonlight Gardens, Flowering climbers etc.

- Evaluated Report of SRDC on Redevelopment around Jama Masjid, Shahjahanabad as part of SPA, New Delhi team.
- Co-Guide for Gianluca D' Agostino enrolled in the Masters Programme in Architecture, Construction and Urbanism at the Department of Architecture and Design, Polytechnic of Turin, Italy for his thesis on 'Havelis of Shahjahanabad: History and Strategies for Adaptive Reuse'

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

- Invited as an external evaluator for pre-final thesis review at SPA-Bhopal on 28<sup>th</sup> and 29<sup>th</sup> April 2018
- Reviewed the draft guidelines for the outstation field tour /excursions of SPA-D
- Peer reviewed project of the Delhi Chapter, INTACH.
- Conducted site visit and special lecture by Ratish Nanda at the Humayun's Tomb.. for the post graduate students of the institutional elective and students of IIIrd Semester Architectural Conservation
- Reviewed the CPWD's proposal for providing electrical services in Red Fort along with the a Team for ASI

# DEPARTMENT OF BUILDING ENGINEERING AND MANAGEMENT

## 1. Name of the Department

Department of Building Engineering and Management (BEM)

## 2. Names of academic programs offered by the Department

- Masters with specialization in Building Engineering and Management
- PhD

## 3. Year of establishment of the Department

1979

## 4. Faculty profile:

<b>Name of the Faculty</b>	<b>Educational Qualifications</b>	<b>Designation</b>	<b>Areas of Specialization</b>	<b>Years of Experienc</b>
Jaya Kumar (January 2018-June 2018)	B. Arch, PhD	Head, Dept. of BEM and Professor, Dept. of Architecture	Architectural Design	28
Anil Dewan (From July, 2017 to December, 2017)	B. Arch, MBEM, Ph.D.	Former Head, Dept. of BEM and Professor, Department of BEM	Healthcare Building Planning and Design	28
Virendra Kumar Paul	B. Arch, MBEM, PhD	Professor Dean Planning and Development	Quality Management, Building Science, Fire Safety	29

Salman Khursheed	B. Tech. (Civil); Master's in Building Science and Construction Management (IIT-Delhi)	Assistant Professor	Structural Design, Project Planning, Construction Management and Construction Technology	19
Abhijit Rastogi	B. Arch MBEM	Assistant Professor	Project Management, Infrastructure Management, and Operations	8
Chaitali Basu	B. Arch MBEM, M.Sc. Business Management, U.K.	Assistant Professor	Project Management, Functional Performance of Buildings, Disaster Resilient Planning and	10

**5. Details of teaching work undertaken by the regular faculty in the Department:**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
Virendra Kumar Paul	I	Project Planning and Scheduling (BEM-4)	2
		Project Planning and Scheduling (BEM-5)	4
		Functional Performance of Buildings (BEM-2)	3
	III	Quality Management System (IE-BEM/E-2)	2
		Project Procurement Management (BEM-12)	2
		Project Seminar-II (BEM-14)	2
		Disaster Resilient Project Planning and Reconstruction (BEM-E-7)	1
	II	Fire and Safety (BEM-E1)	2
		Project Cost and Contract Management	2

		(BEM-9)		
		Project Seminar –I (BEM-10)	4	
	IV	Quality Management System (BEM-16)	3	
Salman Khursheed	I	Construction Technology (BEM-1)	4	
		Project Planning and Scheduling (BEM-4)	1	
			Project Planning and Scheduling (BEM-5)	2
	III	Project Procurement Management (BEM-11)	1	
		Project Procurement Management (BEM-12)	6	
		Project Seminar II (BEM-14)	2	
	II	Structural System and Design Process (BEM-7)	4	
		Project Cost and Contract Management (BEM-8)	1	
		Project Cost and Contract Management (BEM-9)	4	
	IV	Thesis (BEM-15)	9	
Abhijit Rastogi	I	Construction Technology (BEM-1)	2	
		Functional Performance of Buildings (BEM-2)	2	
		Building Services (BEM-3)	1	
		Project Planning and Scheduling (BEM-4)	2	
		Project Planning and Scheduling (BEM-5)	4	
	III	Disaster Resilient Project Planning and Reconstruction (BEM-E-7)	1	
		Project Seminar – II (BEM-14)	2	
	II	Infrastructure Development and Management (BEM-E1)	2	
		Infrastructure Project Construction Management (IE-BEM/E-1)	2	
		Project Cost and Contract Management (BEM-9)	2	
	IV	Thesis (BEM-15)	12	
	Chaitali Basu	I	Construction Technology(BEM-1)	2
Functional Performance of Buildings (BEM-2)			3	
Building Services (BEM-3)			1	

	III	Real Estate Management (BEM-E-6)	2
		Project Procurement Management (BEM-12)	4
		Project Seminar – II (BEM-14)	2
	II	Project Cost and Contract Management (BEM-9)	4
	IV	Thesis (BEM-15)	12

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School:**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
Nil			

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department:**

Name of the Visiting Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
Dr. Kuldip Chander	I	Nil	0
	III	Project Seminar – II (BEM-14)	2
	II	NIL	0
	IV	NIL	0
Kuldip Kumar Peshin	I	Building Services (BEM-3)	1
		Project Planning and Scheduling (BEM-5)	4
	III	Project Procurement Management (BEM-12)	2
	II	BEM-9	2
	IV	NIL	0
Manoj Kumar Mittal	I	Project Planning and Scheduling (BEM-5)	4
	III	Nil	Nil
	II	Structural System and Design Process (BEM-7)	2
		Project Cost and Contract Management (BEM-9)	2
	IV	Nil	Nil
Manish Jain	I	Nil	Nil
	III	Nil	Nil



	II	Project Seminar –I (BEM-10)	4
	IV	Thesis (BEM-15)	3
Neelakshi Srivastava	I	Project Planning and Scheduling (BEM-5)	2
	III	Nil	Nil
	II	Nil	Nil
	IV	Nil	Nil
Dr. P.C. Jain	I	Building Services (BEM-3)	1
	III	Nil	Nil
	II	Nil	Nil
	IV	Nil	Nil
Dr. Pawan Kumar Taneja	I	Quantitative Methods and Operation (BEM-6)	2
		Research Methodology (BEM-AC1)	2
	III	BEM-13	2
	II	Nil	Nil
	IV	Nil	Nil
Preiti Juuneja	I	Nil	Nil
	III	BEM-E4	2
	II	Nil	Nil
	IV	Nil	Nil
Mr. Rama Pisharody	I	Project Planning and Scheduling (BEM-5)	4
	III	Nil	Nil
	II	Project Cost and Contract Management (BEM-9)	2
	IV	Nil	Nil
Richa Gupta	I	Project Planning and Scheduling (BEM-5)	2
	III	Nil	Nil
	II	Nil	Nil
	IV	Nil	Nil
Dr. V. Thiruvengadam	I	Nil	Nil
	III	Project Seminar (BEM-14)	2
	II	Nil	Nil
	IV	Nil	Nil
Vijay Kumar Sharma	I	Construction Technology	2
	III	Project Procurement Management (BEM-11)	2
		Project Procurement Management (BEM-12)	6
	II	Project Cost and Contract Management (BEM-	2

		8)	
		Project Cost and Contract Management (BEM-8)	4
	IV	Nil	Nil
Yogesh Tyagi	I	Nil	Nil
	III	Nil	Nil
	II	Project Seminar – II (BEM-10)	2
	IV	Nil	Nil

**8. (b) Details of Special Lectures undertaken in the Department:**

Name of the Expert	Semester	Topic	Date
Prof. T.K Chan	I	Globalisation of the Construction Supply Chain in Australia	17 April 2017

**9. Department's involvement in interdisciplinary programs in other departments and organizations:**

Nil

**10. Semester-wise details of the studio work undertaken by the students:**

Name of the Studio	Precise Objectives of the Studio	Case study Description	Major Conclusions and Outcomes
Project Planning and Scheduling	Planning of time scheduling of the case study projects	<ul style="list-style-type: none"> <li>Training Institute for Airport Authority, Vasant Kunj</li> </ul>	Time management processes demonstrated
Construction Technology	Study of construction technologies adopted in the case study projects	<ul style="list-style-type: none"> <li>Maulana Azad Institute of Dental Sciences, New Delhi</li> <li>Trillium Mall, Nagpur</li> </ul>	Critical analysis of technologies carried out and their selection validated
Project Cost and Contract Management	Study financial models for building and infrastructure projects	<ul style="list-style-type: none"> <li>Wave One, Noida</li> <li>Logix Blossom Housing Noida</li> <li>CandorInfospace, Gurugram</li> <li>IIIT Delhi</li> </ul>	Procurement processes analysed and alternatives considered for their suitability

**11. Details of the thesis topics researched by the students of the final year class:**

<b>Roll No.</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>
BEM/665	Aditya Kumar	Cost of Fire Disaster Risk Reduction In Public Building
BEM/667	Amit Gupta	Analysis of Land Acquisition Risk In Real Estate Development
BEM/668	Amitabh Srivastava	Comparison of Top-Down and Bottom-Up Methods of Underground Metro Construction For Varying Retention Depths
BEM/669	Anjali Singh	Facility Management In Hospitals
BEM/670	Arpit Modi	Public spending approach for balanced primary and tertiary Healthcare Infrastructure Facilities
BEM/671	Arun Babu S	Selection of Optimum Sewage Treatment Technologies
BEM/673	Brajesh Kumar	Comprehensive Smart Water Supply System Development of Cost Model For Emerging Urban Context
BEM/674	Debarun Dasgupta	Comparative Analysis of Monolithic Concrete Construction with Conventional RCC Construction for EWS Housing under BSUP Scheme
BEM/675	Debdoot Moitra	Developing Smoke And Heat Ventilation Norms And Standards For Healthcare Projects Through CFD Analysis
BEM/677	Dhruv Marwah	Parking Infrastructure In Urban Areas
BEM/678	Gazal Dandia	Durability Planning For Internal Finishes
BEM/679	Jyoti Jangra	Performance assessment of construction Projects
BEM/680	Komal Verma	Framework for Estimating Life Cycle Cost of HVAC Automation Systems for Shopping Malls
BEM/682	Mohd Mushfique Javed Ansari	Evaluation of Emerging Construction Technologies For Affordable Housing In India
BEM/683	Nilay Jyoti Behera	An Assessment Model To Measure Housing Affordability
BEM/685	Pratibha Khandey	Energy Efficient Retrofitting Of Hospitality Projects Through Application Of LEED O and M
BEM/686	Priya Wahane	Appraisal Of Design And Technology of Shelters For Homeless In Urban Context
BEM/687	Ruhi Ranjan	Campus Cost Planning Framework For The Construction Of National Institute of Technology
BEM/688	Saunak Kumar Das	Development of Selection Criteria For Incorporation Of Seismic Protection Systems In Indian Scenario

BEM/689	Saurabh Kumar Singh	Impact of RERA And GST Policy Interventions On Residential Estate
BEM/690	Shamoon Mansoori	Public Private Partnership In Urban Slum Rehabilitation
BEM/691	Shankhoneel Ghosh	Risk Analysis In Design Build Construction Projects
BEM/692	Shibanni Pandita	Developing A Liveability Index And Valuation Model For Benchmarking Residential Projects
BEM/693	Shilpa Sajan	Quality Quantification Model For Educational Buildings
BEM/694	Shivam Singhal	Comparative Cost Evaluation Of Buildings Designed As Per IS 1893 (2002) 7 IS 1893 (2016)
BEM/695	Sushmita Sinha	Quality Evaluation Framework For Design Of Healthcare Facilities
BEM/697	Y. Lakshmi Divya	Health And Wellness Centres

**12. Details of the thesis topics being researched by the doctoral students in the Department:**

<b>Year of Enrolment</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>	<b>Name of the Research Supervisor</b>	<b>Remarks if any</b>
2014-15	Chaitali Basu, Assistant Professor, Department of BEM	Energy Performance Evaluation for Retrofitting Planning of Existing Multifamily Residential Buildings	Prof. Dr. Virendra Kr. Paul	Part Time (Faculty)
2016-17	Yash Kumar Mittal, Architect, Urban Planner	Performance Measurement and Optimization in Urban Development Infrastructure Projects.	Prof. Dr. Virendra Kr. Paul	Full Time
2016-17	Colonel Gopikrishnan Seshadri, Military Engineer Services, Government of India	Measuring User Satisfaction Through a User Satisfaction Index and its Validation through Application in Military Engineering Services and CPWD	Prof. Dr. Virendra Kr. Paul	Part Time

2016-17	Ganesh Krishna Chaukiyal, Executive Director (Engineering) - Airports Authority of India	The Diagnostic Study of Parameters of Airport Projects Contributing Toward Cost and Time Overruns During Planning and Execution Stages	Prof. Dr. Virendra Kr. Paul	Part Time
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### 13. Research thrust areas of the Department:

- New and innovative construction material: Challenges in Fly Ash utilization and Promotional Initiatives
- Disaster management: Resilient Critical Infrastructure (CI) against Extreme Weather Events
- CPM Pedagogy: Challenges of current Project Management curriculum of India
- Building Science: Fire and Life Safety, especially in Healthcare infrastructure
- Building Performance Audits

### 14. Completed/ongoing research projects in the Department:

Name of the Project and Sponsoring Agency	Name of Team Leader/Faculty	Thrust Area/Expected Outcomes	Total Grant/Fee (Rs. in Lakhs)
The Department of BEM and Department of Housing has been awarded the UGC–UKIERI Project ‘Decision-Support Framework for Resilient Critical Infrastructure (CI) against Extreme Weather Events (EWE) and Climate Change’ in collaboration with University of West England, Bristol, UK (on-going)	Prof. Dr. P.S.N Rao, Prof. Dr. V.K. Paul, Abhijit Rastogi and Chaitali Basu	Interface between critical infrastructure and extreme weather events	22
Study of challenges in Fly Ash utilization and Development of Proposal for Promotional Initiatives funded by National Thermal Power Corporation (NTPC), India (on-going)	Prof. V.K. Paul, Abhijit Rastogi and Chaitali Basu	Challenges in Fly Ash utilization in Indian construction industry, and recommendation	25

Evaluation of the Housing Technology Namely 'EPS Core Panel System with Wire Mesh and Chipping Concrete' w.r.t. Green and Sustainability Parameters" – Demonstration Housing Project at Bhubaneswar funded by Building Materials and Trade Promotion Council (BMPTC), India(on-going)	Prof. V.K. Paul, Abhijit Rastogi, and Salman Khursheed	Applicability of EPS Core panel for mass housing	2.5
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**15. Details of consultancy projects undertaken by Department (during this year)**

- Consultancy project on 'Life and Safety Audit of National Institute of Tuberculosis and Respiratory Diseases, Sri Aurbindo Marg, Mehrauli.(Prof. Dr. V.K. Paul, Salman Khursheed)
- Consultancy project on 'Vetting of DPR of Multipurpose Sports Complex, Dharwad, Karnataka for Oil and Natural Gas Corporation.(Prof. Dr. V.K. Paul, Salman Khursheed)

**15a. Consultancy Projects on-going:**

- Life and Safety Audit of "All India Institute of Medical Sciences, Patna, Bihar"(Prof. Dr. V.K. Paul, Salman Khursheed)
- Life and Safety Audit of "All India Institute of Medical Sciences, Jodhpur, Rajasthan"(Prof. Dr. V.K. Paul, Salman Khursheed)

**15b. Proposal for Consultancy Projects accepted and awarded:**

- Life and Safety Audit of "All India Institute of Medical Sciences, Raipur, Chhattisgarh"(Prof. Dr. V.K. Paul, Salman Khursheed)

**Details of consultancy projects undertaken by department:**

S. No.	Name of the project and sponsoring agency	Name of team leader/ faculty	Thrust area/expected outcomes	Total grant/ fee (Rs. In lakhs)
1	Rejuvenation of Water Bodies, Delhi Cantonment	Prof. Y K Jain	Civil and Structural Engineering designing /estimating / services	-

	Board			
2	Comprehensive Improvement to Drainage and Sewerage System; Delhi Cantonment Board	Prof. Y K Jain	Civil and Structural Engineering designing and estimating / services	-

**16. Give details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty:**

**Papers**

**Salman Khursheed**

- Paul, V.K., Khursheed, S. and Akbari, M.A. (2018) Multilateral Seismic and Cost Assessment of Buildings in Zone-V (INDIA) with and without Soft Storey; *International Journal of Advanced in Management, Technology and Engineering Sciences*, Vol. 8, Issue 3, pp.951-966.

**17. Details of other publications made by regular faculty of the Department:**

**Virendra Kumar Paul**

**Book**

- Paul, V.K. and Basu, C. (2017) *Handbook for Construction Project Planning and Scheduling*, Copal Publishing, Delhi.

**Publications**

- Mittal Y.K. and Paul, V.K. (2017) *Demand Shortfall in Infrastructure Construction Projects: Case of Rail Projects in India*, A paper presentation at 10th FARU Conference in Sri Lanka, 8-10th December 2017.

**Abhijit Rastogi**

- Sushmita S, Rastogi A, (2017) Radiant Cooling System (Energy, Comfort and Cost Assessment), *International Journal of Architecture and Infrastructure Planning*, Vol. 3, Issue 2, eISSN: 2456-0154.

- Rastogi, A. and Gupta, N. (2017) *Evaluating Vocational Education Service Quality Using Servqual at Community College, Central University of Rajasthan*. Paper presentation at 10th FARU Conference in Sri Lanka, 8-10th December 2017.

### **Chaitali Basu**

- Basu, C., Paul, V.K. and Syal, M.G. (2017) *Performance Indicators for Energy Efficiency Retrofitting Decision-Making in Residential Buildings*, A paper presented at 10th FARU Conference in Sri Lanka, 8-10th December 2017.
- Priyadarshini, M. and Basu, C. (2017) *Evaluation of Energy Efficiency Retrofitting Models for Residences; Energy Savings versus Investment Payback*, A paper presented at the conference proceedings at International Conference on 'Futuristic Trends in Architecture' September 14 – 16, 2017, Sharda University, Greater Noida.
- Singh, A. and Basu, C. (2017) *Energy Audit Procedures*, *International Journal of Architecture and Infrastructure Planning*, eISSN: 2456-0154 Vol. 3: Issue 2.
- Pandita, S. and Basu, C. (2017) *Thermal Comfort Indices*, *International Journal of Environmental Planning and Development*, Vol. 3: Issue 2.

### **Salman Khursheed**

- Khursheed, S., Paul, V.K. and Mushfique, M. (2017) *Mechanization in Building Construction and Its Cost Implication*, A paper presented at the International Conference on "Futuristic Trends in Architecture" at Sharda University, Greater NOIDA on September 15, 2017.

### **18. Faculty serving in (a) National Committees (b) International Committees(c) Editorial Boards (d) Any other**

#### **Virendra Kumar Paul**

#### **National Committees:**

- Member Governing Board, Indian Plumbing Skill Council
- Panel Member for CED 46:P19 to add a Chapter in the National Building Code of India on "Approach to Sustainability", Bureau of Indian Standards
- Panel Member for CED 46:P11 to revise Part 8 – Constructional Practices and Safety, Bureau of Indian Standards



- Bureau of Indian Standards (BIS) as Panel Member for “Indian Standard Guidelines for Construction Project Management (CED 29/P1)”, Bureau of Indian Standards
- Panel Member, National Building Code -2016 committee for Part IV ‘Life and Fire Safety’, Bureau of Indian Standards
- Convenor of Working Group for Safety Management (CED 29/P1/WG 4) and member Quality Management (CED 29/P1/WG 3), Bureau of Indian Standards
- Member, Research and Development Committee of BMPTC
- Chairman of Curriculum Committee, Indian Plumbing Skills Council
- Expert Jury Member to Doctoral Committee-Amity University, Jury Examiner for SPA Vijayawada, NIT Hamirpur IIT Roorkee
- Jury Member for the Selection/Empanelment of Consultants for various projects of NBCC and CPWD
- External Expert Member for the approval of DPRs of 11 National Institutes of Importance by the Ministry of Human Resource Development, Government of India.
- Member of Expert Committee for Fire Safety Guidelines for Hospitals for Ministry of Health and Family Welfare, Government of India
- Member of Committee for Finalization of Master Plan for AIIMS Jodhpur
- Member of Committee for Evaluation of Consultants, Finalization of Proposals and Development of New AIIMS – Bathinda, Bilaspur, Gorakhpur, Guwahati, Guntur, Kalyani, Nagpur, Jammu and Srinagar.
- Committee Member appointed by Ministry of Human Resource Development, Government of India for Examination of Revised Cost Estimate (REC) Proposal for Establishment of NITs – Manipur, Mizoram, Nagaland, Arunachal Pradesh, Meghalaya.
- Member Inspection Committee for submitting Revised Cost Estimate (REC) for IIITD and M- Jabalpur and Kanchipuram
- Consultant Evaluation Committee/Campus Monitoring Committee

### **Memberships to Professional bodies**

- Registered with Council of Architecture.
- Fellow, Royal Institute of Chartered Surveyors
- Associate Member, Indian Institute of Architects.
- Life Member, Indian Plumbing Association.
- Honorary Fellow, Institution of Fire Engineers (I)
- Fellow, Institute of Hospital Engineering

### **Abhijit Rastogi**

#### **National Committees:**

- Member, Development Committee, Documentation Group, IIM Sirmaur.

### **Any Other**

- Jury Member, SPA Bhopal
- External Examination Paper Setter, NIT Hamirpur
- Delivered Lecture at CPWD TRAINING Academy, Ghaziabad, on Acoustics for Built-Environment for the training series on New Innovative Building Design, Material and Construction Technique from 15-17 Nov. 2017.
- One-Day Workshop at IIT Roorkee on Project Time Management on 10<sup>th</sup> Dec 2017.

### **Memberships to Professional body**

- Registered with Council of Architecture.
- Fellow Member, Indian Institute of Architects
- IGBC AP

### **Chaitali Basu**

#### **Any Other**

- Jury Member, SPA Bhopal
- Delivered Lecture at CPWD TRAINING Academy, Ghaziabad, on Performance versus Prescriptive Design for the training series on New Innovative Building Design, Material and Construction Technique from 15-17 Nov. 2017.
- One-Day Workshop at IIT Roorkee on Project Time Management on 10 December 2017.

### **Memberships to Professional body**

- Registered with Council of Architecture.
- LEED AP (BD+C)
- ECBC Master Trainer
- IGBC AP

### **Salman Khursheed**

#### **Any Other**

- Delivered Expert Lecture on “New Innovative Building Design, Material and Construction Technique” on November 17th 2017 at CPWD Officers Training program organized by National CPWD Academy, Ghaziabad, India.

- Delivered Expert Lecture on “Sustainable High-Rise Building Design- Structural Design” on December 12th 2017 at CPWD Officers Training program organized by National CPWD Academy, Ghaziabad, India.

**Memberships to Professional body**

- Associate, Institute of Valuers
- Member, Indian Association Structural Engineers (IAStructE)

**19. Exhibitions, Seminars or workshops organized by the students and faculty of the Department:**

**a) Exhibitions:**

Nil

**b) Seminars/Workshops:**

- Organised GIAN Workshop on Building Information Modelling (BIM) for Construction Project Management in collaboration with Oxford Brookes University, UK from 21st August-1st September 2017
- Awarded Global Initiative of Academic Networks (GIAN) funding for organizing 2-week workshop on ‘Project Cost and Contract Management –Global Practices’ in collaboration with Oxford Brookes University, UK.

**20. Seminars or workshops attended by the faculty of the Department:**

One-week duration short-term course on “Wind Resistance Design of Structures” (QIP), conducted by Department Of Civil Engineering, IIT-Roorkee in July 17th to July 21st 2017.

**21. Courses and training programs of attended by the faculty of the Department:**

Nil

**22. Awards or recognitions received at the national and international level by the faculty, and students:**

- Chaitali Basu, Assistant Professor, BEM, received Building Energy Efficiency Higher and Advanced Network Fellowship by Indo-U.S. Science and Technology Forum (IUSSTF) and The Department of Science and Technology (DST), Governments of India for visitation to Michigan State University, USA for research.

**23. Internal and external members of the Advisory Committee:**

• **Internal Members:**

1) Prof. Dr. Jaya Kumar Chairperson Building Engineering and Management, SPA, New Delhi	2) Prof. Dr. Mahavir Dean (Academic) SPA, New Delhi
3) Prof. Dr. Virendra Kumar Paul Professor of BEM and Dean (P andD) Building Engineering and Management, SPA, New Delhi	4) Salman Khursheed Assistant Professor Building Engineering and Management SPA, New Delhi
5) Chaitali Basu, Assistant Professor Building Engineering and Management, SPA, New Delhi	6) Abhijit Rastogi Assistant Professor Building Engineering and Management SPA, New Delhi
7) Aparna Ash Kanojia (Contract Faculty) Building Engineering and Management, SPA, New Delhi	8) Luke Judson (Contract Faculty) Building Engineering and Management SPA, New Delhi

• **External Members:**

1) Prof. Dr. K.C. Iyer Professor, Department of Civil Engineering (Construction Management), Indian Institute of Technology, Hauz Khas, New Delhi. Mobile: 09818833452	2) Mr. D.S. Sachdev Former Director (CPWD) 2061, Engineers Apartments, Plot No - 11, Sector 18A, Dwarka, New Delhi, 110078. Email: dss1949@gmail.com Mobile: 9810501033
3) Mr. I.A. Drabu E9 Gaur Green Avenue Abhay Khand 2, Indrapuram, Ghaziabad 201014 Mobile: 9818274040	

**24. Internal and external members of the Departmental Research Committee (DRC):**

**Internal Members:**

- 1) Prof. Dr. Jaya Kumar  
Head of Department  
Building Engineering and Management,  
SPA, New Delhi
- 2) Prof. Dr. Anil Dewan  
Head of Department  
Building Engineering and Management,  
SPA, New Delhi
- 3) Prof. Dr. Virendra Kumar Paul  
Professor  
Department of Building Engineering and Management,  
SPA, New Delhi

**External Members:**

- 1) Prof. Dr. Mahtab Alam,  
Professor of Civil Engineering,  
Jamia Milia Islamia
- 2) Prof. Dr. K.C. Iyer,  
Professor of Civil Engineering,  
IIT, Delhi.

**25. Prominent visitors to the Department of studies:**

Nil

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

MoU, extended with Michigan State University was signed in the past and activities during the visit of Prof. Matt Sayal till 2023. Under the MOU, joint Ph.D research and research collaboration in the area of Project Management.

**27. Details of 'beyond syllabus scholarly activities' of the department:**

Nil

**28. Any other information:**

Prof. Dr. Virendra Kumar Paul conferred Visiting Professor of School of Built Environment, Liverpool John Moores University, UK for 3 years from 1 February 2018 to 31 January 2021.

Placement Activities

- Indian Organisation
- International Organisation

# DEPARTMENT OF ENVIRONMENT PLANNING

**1. Name of the Department**

**Department of Environmental Planning**

**2. Names of academic programs offered by the Department**

- Master of Planning with specialization in Environmental Planning
- Ph.D.

**3. Year of establishment of the Department**

1990

**4. Faculty profile:**

<b>Name of the Faculty</b>	<b>Educational Qualifications</b>	<b>Designation</b>	<b>Areas of Specialization</b>	<b>Number of Years of Experience</b>
Meenakshi Dhote	B. Arch , M.L.A, PhD	Professor of Environmental Planning	Urban Biodiversity, Eco-Sensitive areas, Environmental Information system	32
Neha Goel Tripathi	B. Arch. M. Plan (EP), PhD	Assistant Professor of Environmental Planning	Low carbon cities, Climate Change, Environmental	15
Jayeeta Sen	M. Plan (EP)	Contract Faculty	Environmental Planning., Ecosystem services	18
Bidisha Chattopadhyay	BA. Geo, MA Geo, M. Plan (EP), M Phil	Contract Faculty	Environmental Planning , urban Water Supply	13

**5. Details of teaching work undertaken by the regular faculty in the Department**

<b>Name of the Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours per week</b>
Meenakshi Dhote		<b>Subject</b>	

	I Sem	Housing and Environment	1
	I Sem	First Semester Studio	3
	II Sem.	EP Design Studio (Poona)	4
	III Sem	EP Design Studio (Kolkata)	6
	IV Sem	Environmental Planning Thesis	4
		Institutional Elective	2
		PhD Guidance	
Neha Goel Tripathi	On Leave from 25 August 2017 – 25 June 2018		
Jayeeta Sen (contractual Faculty)	II Sem.	EP Design Studio (Kolkata)	9
		Theory of Environmental Planning and Design	2
	III Sem	EP Design Studio (Poona)	6
		Ecosystem Services and Biodiversity Conservation	2
	IV Sem.	Environmental Planning Thesis	5
Bidisha Chattopadhyay (Contract Faculty)	II Sem	Environmental Impact Assessment	2
	II Sem	EP Design Studio ( Kolkata )	9
	IV Sem.	Environmental Planning Thesis	5

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School.**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per week
Meenakshi Dhote	I Sem	Housing and Environment	1
		Integrated First Semester Studio	3
	IV Sem	Institutional Elective	2
Jayeeta Sen (Contract Faculty)	III Sem	Environmental Planning ( Arch. Conservation Department)	2
Bidisha Chattopadhyay (Contract Faculty)	I Sem	Housing and Environment	1

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department**

Name of the Visiting Faculty	Semester	Subjects (Theory and Studios)	Hours per week
R. Srinivas, TCPO, New Delhi	IV Sem	EP Planning and Design Thesis	2



B.K. Jain Former Additional Commissioner Planning, DDA	III and IV Sem	EP Planning and Design Thesis EP Studio	4
Anita Tikoo Matenge	II and IV Sem	Theory of Planning and Design EP Planning and Design Thesis	3
Dr. Ambika Sharma	IV Sem	EP Planning and Design Thesis	2
Prof. Dr. R.B. Singh	IV Sem	EP Planning and Design Thesis	2
Dr. Prabh Bedi	IV Sem	EP Planning and Design Thesis	2
Dr. Alankrita Soni	IV Sem	EP Planning and Design Thesis	2
Ajay Raghav	IV Sem	EP Planning and Design Thesis	2
Dr. T.R. Manoharan	III Sem.	Environmental Economics and Environmental Auditing	2
Kamal Kishore	III Sem.	Advanced Environmental Impact assessment	1
Dr. Shabana Khan	III Sem.	Advanced Environmental Impact assessment	1
Ishwer Singh	III Sem.	Environmental and Planning Legislation	1
Sunil Mehra	III Sem.	Environmental and Planning Legislation	1
Anand Kumar	III Sem	Degraded land management	2
Dr. Faiyaz Khudsar	IV Sem.	EP Thesis	2
Barsha Poricha	III Sem.	Research Methodology	2
Rashmi Gupta	II Sem.	Environmental Impact Assessment	1
S. Khodanker	IV Sem.	EP Studio	3
Alok Mahakul	II Sem.	EP Studio	2
Dilip Kumar	II Sem.	EP Studio	2
Dr. Marisha Sharma	II Sem.	Environmental Impact Assessment Environmental Monitoring and Assessment (Laboratory)	3
Paramdeep Singh Oberoi	II Sem	Formulation, Financing and management of Environmental projects	2
Dr. P.K. Behera CPCB, Parivesh Bhawan, Delhi	II Sem.	Environmental Monitoring and Assessment (Theory)	2
Dr. Mahendra Sethi	II Sem	Elective -Resilient Cities	2

**(b) Details of Special Lectures undertaken in the Department**

- Ms. Chitra Mukherjee, Head of Programmes, Operations, Chintan Environmental Research and Action Group, Solutions on “3D Modelling of Urban Air quality”.
- Ms. Akshima Tejas Ghate, Associate Director and Senior Fellow, Transport and Urban Governance Division, TERI, Challenges of Waste Management
- Mr. Sharad Chand Tripathi, Founder and CEO of Fluidyn Group, Bangalore, Planning Low Carbon Cities
- Dr. Faiyaz A. Khudsar, Scientist Incharge, Yamuna Bio Diversity Park CMDE, Department of Environmental Studies, Delhi university, Rejuvenation of river Yamuna Floodplains in Delhi urban stretch
- Prof A.K. Maitra, East Kolkata Wetland Environmental Impact Assessment for a city

**8. Department’s involvement in interdisciplinary programs and names of other departments’ involvement.**

First Year Integrated Semester in Master of Planning (Environmental planning, Urban Planning, Regional Planning, Transport Planning and Housing).

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

A joint studio was conducted between third semester students of M.Plan (EP) and NTNU students for preparing Environmental Management Plan for Sustainable city region: Case of Pune Metropolitan Region.

**10. Give semester-wise details of the studio work undertaken by the students restricting description of one studio to a maximum of 100 words:**

<b>Name of the Studio</b>	<b>Precise Objectives of the Studio</b>	<b>Case study Description</b>	<b>Major Conclusions and Outcomes</b>
Third Semester: EP Design Studio	<p>First Module: To collect primary data for air pollution trends</p> <p>To propose planning strategies for Air pollution Management. Second Module</p> <p>To understand</p>	<p>First Module: City Air Pollution Management plan</p> <p>Second Module: Environmental management Plan for Sustainable city region: Case of Pune Metropolitan Region</p>	<p>Environmental Management Plan for Pune, Maharashtra with proposals and Policies, Plan, at various scales for conservation of energy neighbourhood level, city level and regional level.</p>

	the relationship between sustainability at regional level with focus on energy conservation		
Second Semester: EP Design Studio	To study the ecosystem services provided by East Kolkata Wetland  To assess the nature of current and proposed developments in core and catchment of EKW and its impacts on the wetlands.  To formulate strategies and guidelines for safeguarding wetlands.	The studio exercise focused on preparation of Environmental Improvement Plan for Kolkata, with focus on Eco System Services and Biodiversity conservation.	Environmental Improvement Plan for Kolkata with focus on East Kolkata Wetlands and Ecosystem services
Fourth Semester: Thesis	Individual students have undertaken thesis on selected research topics.		

**11. Provide details of the thesis topics researched by the students of the final year class:**

Roll No	Name	Thesis Topic
SPA/NS/EP/326	Almeida Brandon Alvestine	Environmental Management Strategies for Freight Generating and Handling facility - Case Study of Vashi, Navi Mumbai
SPA/NS/EP/327	Chitransh Dua	Bio Medical Waste Management of Bathinda District and Its region
SPA/NS/EP/328	Debaditya Das	Impact of Climate Changes on Flash Floods – A Case Study of Kullu Valley Planning Area
SPA/NS/EP/329	Dhruv Pasricha	Developing Urban Environmental Quality Indicators - Case Study Pune Municipal Area
SPA/NS/EP/331	Himanshu Panwar	Influence of Vegetation in reducing Air Pollution in Urban Environment- Case of Delhi

SPA/NS/EP/332	Jwngma Basumatary	Spatial Strategies Eco-Tourism in Andaman Islands
SPA/NS/EP/333	Md Zishaan Khan	Environmental Management Plan for the Industrial Area of Asansol
SPA/NS/EP/334	Bhumika Premanand Morey	Strategies for Drought Management – Jalna District Maharashtra
SPA/NS/EP/335	Poulomy Banerjee	Waste Management at Neighbourhood level, A Case Study of Zone- F, Delhi
SPA/NS/EP/336	Rini Reejonja	Planning for Local Level Climatic Disaster - Case Study of Navi Mumbai
SPA/NS/EP/337	Sameer Ali	Renewable Energy Integration For Thiruvananthapuram City, 2022
SPA/NS/EP/338	Sayali S. Khokale	Ecological Restoration of Urban Wetland
SPA/NS/EP/340	Sudeshna Roy	Environmental Management Strategies of Solid Waste in and around Corbett Tiger Reserve

**12. Provide details of the thesis topics being researched by the doctoral students in the Department:**

<b>Year of Enrollment</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>	<b>Name of the Research Supervisor</b>
2008-2009	Rina Surana	Water Resources and Development of Human Settlements: The case of Udaipur, Rajasthan	Viva Voce held on 29 December 2017
2013-14	Mahalaxmi Karnad	Ecological Planning for Urban Storm Water Management	Prof. Dr. Meenakshi Dhote
2013-14	Piyali Bandhopadhyay	Developing an Interface between Environmental Information System (ENVIS) and National Urban Information System (NUIS) for Climate Change and City Planning	Prof. Dr. Mahavir Dr. Prabh Bedi
2016-17	Jayeeta Sen	Instruments for mainstreaming Biodiversity into urban planning	Prof. Dr. Meenakshi Dhote
2017-18	Neha Sarwate	Institutionalize of Environmental Zoning	Prof. Dr. Meenakshi Dhote

### 13. Research thrust areas of the Department

Climate Change and Human Settlements, Low Carbon Cities, Renewable Energy and City Planning, Urban Biodiversity, Planning of Eco-Sensitive Zones, Eco-City Development, Environmental Information Systems

### 14. Number of faculty with on going projects from a) National b) international funding agencies and c) Total grants received.

#### a) National

Name of Faculty	Name of the Project	Funding Agency	Grant Received (Rs. in lakhs)
Meenakshi Dhote	Rejuvenation of water Bodies in Delhi Cantonment	Delhi Cantonment Board	On-going
	Vision Document for Taj Trapezium Zone Agra	Government of Uttar Pradesh	38
	Rurban Mission	MoRD through State of Rajasthan	On-going

### 15. Inter-institutional collaborative projects and associated grants received (a) National collaboration (b) International collaboration

National Collaboration	IITM- SPA Emission Campaign	Ministry of Earth Sciences	22 lakhs
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### 16. Research facilities or centre (s) in the Department.

Name of the centre of facility	Thrust Area	Expected Outcomes	Total Grant
ENVIS Centre on Human Settlements	Human Settlements, Environmental Information system	<ul style="list-style-type: none"> <li>Website on Environmental Information of Human Settlements</li> <li>Updation of Environmental Information on Human Settlements – Documentation of smart cities, preparation of monographs, newsletters, kids games on sustainable settlements</li> </ul>	On-going Rs. 13.54 Lakhs annually
Centre for Climate change	Climate change, Human settlements, climate responsive planning, low	<ul style="list-style-type: none"> <li>Dedicated research in this area to strengthen the requisite knowledge base</li> <li>Mainstreaming climate responsive approach in planning and design of</li> </ul>	

	carbon cities	Human Settlements.	
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**17. Give details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty.**

**Meenakshi Dhote**

**Book Chapter**

Dhote, M. and Mukherjee, D. (2017) Co-benefits of Urban Biodiversity , Mainstreaming Climate Co-Benefits in *Indian Cities, Post-habitat III Innovations and Reforms*; Springer, Singapore, ISBN 978-981-10-5815-8; pp. 211-241.

**18. Give details of other publications made by regular faculty of the department of studies.**

**Meenakshi Dhote**

Sen, J. and Dhote, M. (2017) Interface between instruments of Development Planning and Biodiversity Planning and Conservation; Book of Abstracts. *3<sup>rd</sup> Biodiversity Conference 2017*, Kerala Biodiversity Board, February 2017, pg.-78

**19. Faculty selected nationally or internationally to visit other laboratories or institutions or industries in India and abroad**

None

**20. Faculty serving in (a) National Committees (b) International Committees (c) Editorial Boards (d) Any other**

**Meenakshi Dhote**

- 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 and Nicobar Islands
- Member, State Environmental Assessment Committee, Govt. of NCT of Delhi
- Member, NGT Committee on Carrying Capacity based Development of Shimla, Himachal Pradesh.
- 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
- Expert Member on the BoS of PhD Programme at SPA Bhopal.
- Registered with the Council of Architecture, New Delhi

## **Neha Goel Tripathi**

- Member, Editorial Board of SPACE Journal, SPA, New Delhi
- Member, Working Group Committee for Economic Standard of Smart Cities (IITD)
- Member, Integrated Educational Management Committee
- Associate Member, Institute of Town Planners, India,
- Member, Indian Building Council, New Delhi
- Registered with the Council of Architecture, New Delhi

### **21. Exhibitions, Seminars or workshops organized by the students and faculty of the department**

- Emission Campaign jointly organized with SPA and IITM, Pune for collecting of data on air pollution. It had two activities under it: Introduction Workshop – 18<sup>th</sup> April 2018 and Valedictory Function at Ministry of Earth Sciences on 27 June 2018.
- Sustainability Sensitization Workshop, organized by ENVIS Center on 27<sup>th</sup> August 2017
- International Seminar on Smart Sustainable City region on 28 Novemeber 2017 at ITPI, New Delhi organized by SPA new Delhi and Norwegian university of Science and Technology , Norway

### **22. Seminars or workshops attended by the faculty of the department**

#### **Participation only**

##### **Meenakshi Dhote**

Workshop on Capacity Building for Urban Sanitation: Consultation with Academic Institutions; NIUA, New Delhi; 19<sup>th</sup> December 2017

#### **Presented a paper**

#### **Panel discussion and presentation**

- Seminar - Environment: Its Antecedents, Assessment and Possibilities Central Institute of Education, Institute of Advanced Studies in Education (IASE), Delhi University, 17 February 2018.
- Presented talk on : Environment and Development: Ecological, Social and Policy Perspectives

### **23. Courses and training programs of more than one week attended by the faculty of the department**

None

### **24. Awards or recognitions received at the national and international level by the faculty, and students.**

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**25. Internal and external members of the Board of Studies/ Departmental Advisory Committee**

S.No	Internal Members	Designation
1.	Prof. Dr. Meenakshi Dhote	Professor and Head of Department
2.	Prof. Dr. Mahavir	Dean (Academic)
3.	Dr. Neha G. Tripathi	Assistant Professor of Environmental Planning
<b>Departmental Advisory Committee</b>		
4.	Ajay Raghav	Deputy Director, Climate Change Division, MOEFCC, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi-110003
5.	Dr. Anjana Vyas	CEPT University, Kasturbhai Lalbhai Campus, University Road, Navrangpura, Ahmedabad-380009
6.	Urmilla	Joint Director, ENVIS Division, MOEFCC, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi-110003

**26. Internal and external members of the Departmental Research Committee**

S.No	Internal Members	Designation
1.	Prof. Dr. Meenakshi Dhote	Professor and Head
2.	Prof. Dr. Sewa Ram	Coordinator , Ph.D Program
3.	Dr. Neha Goel Tripathi	Assistant Professor of Environmental Planning
<b>External Members</b>		
4.	Prof. Dr. Shishir Raval	Professor, Department of Architecture, Faculty of Technology and Engineering, MS University, Vadodara, Pratapganj, Vadodara Gujrat-390002
5.	Prof. Saswat Bandyopadhyay	Professor of Planning, CEPT University, Ahmedabad,

**27. Prominent visitors to the Department of studies :**

1.	Ms. Chitra Mukherjee, Head of Programmes, Operation, Chintan Environmental Research and Action Group, New Delhi
2.	Mr. Sharad Chand Tripathi, Founder and CEO of Fluidyn Group, Fluidyn Consultancy Pvt. Ltd., Bangalore
3.	Ms. Akshima Tejas Ghate, Associate Director and Senior Fellow, Transport and Urban Governance Division, TERI, India Habitat Centre, Lodhi Road, New Delhi
4.	Late Dr. Dhrubojyoti Ghosh , PhD, FIE, UN Global 500 Laureate
5.	Ms. Tejashree Joshi, Environmental Management Division, Godrej and Boyce, Mumbai
6.	Prof. Arun Kansal, TERI University , Delhi
7.	Prof. Dr. R B Singh, Professor of Geography, Delhi School of Economics, Delhi; Vice President, International Geographical Union
8.	Sh. P S. Uttarwar, Consultant (Planning), Delhi Development Authority (DDA)



9.	Ms. Sangeeta Kapoor, IDE Kolkata
10.	Prof. A. K Maitra, Former Director SPA, New Delhi
11.	Shri S.K. Das, Principal and Head, SK Das Associated Architects, New Delhi

**28. Give details of activities under various MOUs during the reporting year**

- Prof. Dr. Meenakshi Dhote is coordinating the Erasmus+Mobility program under the SPA and NTNU, MOU

A joint studio was conducted between third semester students of M.Plan (EP) and NTNU students for preparing Environmental management Plan for Sustainable city region: Case of Pune Metropolitan Region.

- IITM- SPA Emission Campaign 2018

SAFAR- Delhi which had been implemented by IITM, Pune in 2010 during the CWG 2010 is currently conducting an emission inventory with the Department of Environmental Planning. This involves collection of primary and secondary data for several sources of air pollution. It is a pilot project in a campaign mode by involving post graduate/research students. The findings will be formulated in a form of a report.

**29. Give details of 'beyond syllabus scholarly activities' of the.**

The students of the Department take part in competitions organized by national and International organizations and participate in workshops organized in Delhi related to environmental issues such as – Sustainability, Ecosystem services. The Department encourages the students to prepare articles on their studio projects and thesis. Some of them have been published in SPACE magazine of the School.

**30. Any other information**

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).

This year the revised Memorandum of Co-operation was signed to initiate new activities;

CESVP- Community Driven Environmentally Sustainable Village Programme  
 GSDP- Green Skill Development Programme  
 GRIDSS- Grid Based Decision Support System

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.

## DEPARTMENT OF HOUSING

**1. Name of the Department**

Department of Housing

**2. Names of academic programs offered by the Department**

Master of Planning with specialization in Housing  
Doctor of Philosophy

**3. Year of establishment of the Department:**

1958

**4. Faculty profile:**

Name of the Faculty	Educational Qualifications	Designation	Area of Specialization	Number of Years of Experience
P.S.N. Rao	A.I.I.A., B.E.(Civil), M. Planning (Housing) (Gold Medal), Ph.D., Certificate in Urban Management (Canada), F.I.T.P., FIE, Certificate in Art Appreciation (National Museum), Advanced Certificate in Art Appreciation, (NGMA)	Professor upto February 2018  Director from February 2018 to present	Town Planning and Housing	31
Ruchita Gupta	B. Arch, M. Planning (Housing), PhD	Assistant Professor	Town Planning and Housing	18
Harshita Deo	M. Planning, B. Arch	Assistant Professor	Town Planning and Housing	9

**5. Details of teaching work undertaken by the regular faculty in the Department**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
P.S.N. Rao	IV	Global Perspective on Housing	2
	III	Real Estate and Housing Markets	2
	I	Planning Studio	6
	III	Housing Studio	4

	IV	Housing Studio (Thesis)	5	
		Ph.D. Guidance:		
	(a)	Revisiting Jute Mills in Kolkata Metropolitan Region – Aparna Das		
	(b)	Slum Redevelopment in Mumbai : a spatial justice approach – Anjali Sharma		
	(c)	Land Titling Crisis in India – Brij Kumar Agarwal		
	(d)	Optimal Height for Residential Buildings - Suparana Lahri		
Ruchita Gupta	<b>Semester</b>	<b>Subject (Theory and Studios)</b>	<b>Hours / week</b>	
	I	Housing and Environment Planning(Theory)	1	
	I	Planning Studio	12	
	III	Project Formulation and Design (Studio)	3	
	<b>(Jan- May 2017)</b>			
	II	Urban and Rural Housing Policy (Theory)	2	
	II	Housing Strategy (Studio)	5	
IV	Housing Studio- Thesis (Studio)	9		
Harshita Deo	<b>Semester</b>	<b>Subject (Theory and Studios)</b>	<b>Hours per week</b>	
	I	Theory – Housing and Environment Planning	1	
	I	Studio – Planning Studio	12	
	II	Theory – Housing Standards, Design and Projects	2	
	II	Studio – Housing Strategy	5	
	III	Housing Studio – Project Formulation and Design	3	
	IV	Housing Studio – Thesis	9	

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School:**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
Ruchita Gupta	Fourth Year B. Arch. Aug-Dec 2017	Guided two dissertation students	Wed 2-5 PM (3 hours)

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department**

Name of the Visiting Faculty	Semester	Subjects (Theory and Studios)	Hours per Semester
Neelima Risbud	III	Informal Housing, Slum and Poverty	192
Neelima Risbud	II	Urban Land Management Housing Studio	32 128

Chitra S. Jain	II	Housing Studio	64
Vinod Sakle	II	Housing Studio	32
J.B. Ghildiyal	II	Housing Studio- Survey Techniques and GIS	32
Akshay Sen	II	Housing Finance and Project Formulation	16
Rita Bhattacharya	II	Housing Finance and Project Formulation	16
Sunit Anand	II	Material and Technology	24
Neelima Risbud	III	Housing Studio - Housing Project Formulation	160
S.P. Pathak	III	Housing Studio - Housing Project Formulation	64
Chitra S. Jain	III	Housing Studio - Housing Project Formulation	64
Pushpanjali Jha	III	Inclusion and Community Participation	32
Bipasha Kumar	III	Disaster and Settlements	32
Neelima Risbud	III	Informal Housing, Slum and Poverty	32
J.B. Ghildiyal	III	Housing Studio	32
Chitra S. Jain	IV	Housing Studio - Thesis	96
Vinod Sakle	IV	Housing Studio - Thesis	160
Neelima Risbud	IV	Housing Studio	32
Sanjeev Saxena	IV	Housing Legislation and Governance	32

**7. (b) Department involvement in inter disciplinary programs and names of other departments involvement.**

Master of Planning (First Semester) Integrated Programme with Urban Planning, Environmental Planning, Regional Planning and Transport Planning Departments.

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

None

**9. Give semester-wise details of the studio work undertaken by the students:**

<b>Name of the Studio</b>	<b>Objectives of the Studio</b>	<b>Case study Description</b>	<b>Major Conclusions and Outcomes</b>
Coimbatore Housing Options and Strategy-2031	To understand the housing situation and options by identify various issues, projecting housing demand and housing strategy for next 10 years.	Case studies were taken under three housing category namely organic (old city and urban village), Planned (public, private, cooperative and employer) and unplanned	<ul style="list-style-type: none"> <li>• Provided phase wise planned housing, Proposed optimum densities through re-densification,</li> </ul>

		(slums and unauthorized).	redevelopment. <ul style="list-style-type: none"> <li>Propose for tenable and secured environments with adequate community level physical and social infrastructure.</li> </ul>
Housing Project Formulation and Design: Redevelopment in Delhi 2017	<ul style="list-style-type: none"> <li>To understand site planning and housing project formulation via redevelopment of RK Puram</li> <li>It involves re-densification of the old CPWD residential quarters in certain sectors of R.K. Puram in tandem with Transit oriented development (TOD) norms in light of the upcoming metro line as well as non TOD norms as mentioned in the revised Delhi Master Plan 2021.</li> <li>To rehabilitate existing CPWD government housing and accommodate city level shortage of govt. housing</li> <li>Using land as a resource and designing saleable private housing component for financial viability of the project</li> <li>To accommodate all social classes, ensure pedestrian mobility, visibility and increased use of transit while</li> </ul>	<ul style="list-style-type: none"> <li>Studying components like redevelopment strategy, sustainability and layout design features from international case studies of redevelopment and large housing projects.</li> <li>Studying Redevelopment in Indian context via case studies of Kalkaji redevelopment and East Kidwai Nagar</li> <li>Market analysis and studying the sub market price trends, growth potential, supply and absorption of residential and commercial properties in the vicinity of RK Puram in South Delhi area</li> </ul>	<ul style="list-style-type: none"> <li>Understanding the viability of redevelopment norms as mentioned in the Master Plan 2021.</li> <li>High density mixed-use redevelopment helps to handle the problem of housing shortage while ensuring inclusionary planning of all social classes and increased use of public transport connection to work centers</li> </ul>

	providing for required recreational, social and physical infrastructure		
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**10. Provide details of the Thesis Topics researched by the students of the final year class:**

Enrolment No.	Name of Students	Thesis Topics
H/557	Abhishek Goyal	Formal Housing Options for EWS and LIIG in Gurugram, Haryana
H/561	B. Sudhamayee	Fringe Residential Layouts by Private Developers in Hyderabad
H/575	Srishti Sagar	Maintenance and Management of Urban Housing Estates
H/576	Swati Chauhan	Evaluation of Tourist Accommodation Options in Haridwar and Rishikesh
H/563	Baghele Urwashi Onkar	Gunthewari Development in Nagpur
H/567	Lakhe Pranita Pradip	Approaches to Slum Improvement in Pimpri Chinchwad
H/568	Neha Yadav	Homelessness in Bhopal
H/577	Yatika Chaudhary	Evaluation of DDA Built Housing
H/559	Ashwani Kumar Diwakar	Private Developer Housing in Mathura, Vrindavan
H/570	Prashasti Gaur	Police Housing in UP : A review
H/571	Priya Garg	Brick Kilns and Labour Housing, Sangrur, Punjab
H/573	Sanan Verma	Housing for Industrial Workers in Jalandhar, Punjab
H/562	Babusha Bhardwaj	Home Stays and Time-Shares in Hill Towns of India
H/564	Bommali Ashok Chaitanya	Evaluation of Fishermen Housing Programme in Andhra Pradesh
H/565	Kansara Pranjal Rajan Kirti	Pavement Dwellers in Mumbai
H/558	Anwasha Chandra	Approaches to slum upgradation in Pune
H/569	Nikhil Prathapchandran	Evaluation of Tribal Housing Scheme in Kerala
H/560	Aswathy S	Evaluation of BSUP in Thiruvananthapuram
H/566	Keertika Rao	Traditional Housing of Rajasthan : A Case of Adaptive Reuse
H/572	Sakshi Jain	Review of Rehabilitation Process of Tehri Dam Project
H/574	Shrishty Diggall	Impact of Home-Based Economic Activities on Housing in Moradabad

**11. Provide details of the Thesis Topics researched by the students in the Department:**

Year of Enrolment	Name of the Student	Thesis Topic	Name of the Research Supervisor	Remarks if any
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2011	Aparna Das	Revisiting Jute Mills – Role of Land Policies and Local Economy of Kolkata	Prof. Dr. P.S.N. Rao	-
2016	Anjali Sharma	Comprehending Process of Housing and Slum Redevelopment in Delhi	Prof. Dr. P.S.N. Rao Prof Dr. Ashok Kumar	-
2017	Brij Kumar Agarwal	Land Titling Crisis in India	Prof. Dr. P.S.N. Rao	-
2018	Suparana Lahri	Optimal Height for Residential Buildings	Prof. Dr. P.S.N. Rao	-

## 12. Research thrust areas of the Department

Housing, town planning, real estate

## 13. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received.

Name of the Project	Thrust Area	Expected Outcomes	Total Fee (Rs. In lakhs)
Slums in Delhi and Dhaka, Bangladesh, a joint research project by SPA – CSE – Lancaster University, UK. (Coordinator: P.S.N. Rao)			
Redevelopment of Government Housing Colony, Bandra East, Mumbai sponsored by PWD, Government of Maharashtra			
Redevelopment of Sarai Rohilla and Ashok Vihar, Delhi sponsored by Rail Land Development Authority, New Delhi			
Construction Cost Estimation of Maharashtra Sadan, PWD Maharashtra			
Vetting of Design Proposal of JDCA Art Centre at Bhubaneswar			
Evaluation of Govt. Schemes for Sanskrit Promotion, RSkS, New Delhi			
Numaligarh Township, NRL, Numaligarh, Assam			

## 14. Inter-institutional collaborative projects and associated grants received (a) National collaboration (b) International collaboration.

### International collaboration

#### Ruchita Gupta

- On-going Research Project: Project is “The rise of private slum developers in Bangladesh and India: Heroes or villains?” The project is in collaboration with Lancaster University, Centre for Science and Environment, SPA New Delhi and BRAC University Dhaka funded by British Academy under International Partnership and Mobility Scheme. The amount received is Rs.5,64,948.



**15. Research facilities or centre (s) in the Department.**

<b>Name of the centre of facility</b>	<b>Thrust Area</b>	<b>Expected Outcomes</b>	<b>Total Grant</b>

**16. Details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty.**

None

**17. Details of other publications made by regular faculty of the Department of studies.**

**P.S.N. Rao**

- Rao, P.S.N. (2018) Redevelopment on Right Track, But Challenges Remain, Indian Express, 24 Feb. 2018.
- 
- Rao, P.S.N. (2017) No Half Measures to Tackle Delhi Pollution, Indian Express, 11 Nov. 2017

**Ruchita Gupta**

- Published an article titled 'SDGs and Housing for Urban Poor-The Way Forward'. *Development Alternatives- A magazine for sustainable human development* Vol.27 No.10 Newsletter October 2017 ISSN No. 0974-5483 RNI No. 59360/94.
- Published an article titled 'Housing the Urban Poor' in special Issue on *World Habitat Day-2017 on Housing policies: Affordable Homes in NCHF bulletin* Vol.XXX No.3-4 September-October, 2017.
- Published an article titled 'Transformation of Housing Typologies in Organic and Unplanned Settlements' in *Shelter* October 2017 Volume 18 No. 2 ISSN 2347-4912 HUDCO Publication.

**18. Faculty selected nationally or internationally to visit other laboratories or institutions or industries in India and abroad**

**P.S.N. Rao**

Visited Johannesburg, South Africa to present a paper on "Density Policy and Processes in Delhi, India – a study" at the BRICS + City Lab Conference at University of Witwatersrand, 11-15 December, 2017.

**19. Faculty serving in (a) National Committees (b) International Committees(c) Editorial Boards (d) Any other**

**Membership of Professional Bodies/Boards/Committees**

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

- Fellow, Institute of Town Planners, India, New Delhi
- Fellow, Institution of Engineers
- Associate, Indian Institute of Architects
- Registered, Council of Architecture
- Member, National Wetlands Committee, MoEF, Govt. of India
- Member, Art Work Display in Rashtrapati Bhawan, India
- Member, Committee for Setting up Museums for Tribal Freedom Fighters, Ministry of Culture, Government of India
- Member, Committee for Innovative Tableaux Design for Republic Day, Ministry of Defence, Govt. of India
- Member, Housing and Real Estate Committee, PHD Chamber of Commerce, New Delhi.
- Member, School Education Committee, IGNOU, Government of India.
- Member, Building Committee, Rashtriya Sanskrit Sansthan
- Member, Building and Works Committee, IIT Delhi
- Member, Editorial Board, Tekton – a journal of architecture, urban design and planning.
- Member, Joint Doctoral Research Committee, SPA Vijayawada.
- Member, RDC Committee, MANIT, Bhopal.
- Member, CSIR Sectoral Monitoring Committee ( Housing, Roads, Construction, Structures and Safety ), CSIR, New Delhi
- Member, Board of Studies, Manipal University, Jaipur.
- Member, Jury for Selection of Architects for Campus Design, IIT Tripathi.
- Member, Advisory Committee, Indian Railway Station Development Corporation (IRSDC), New Delhi.
- Member, Jury for PG Thesis scholars on Housing and Real Estate, CEPT Ahmedabad, 2nd May 2018.

### **(b) Any other**

#### **Invited Lectures**

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

- Delivered a series of lectures at TERI University on the subject of Real Estate
- Delivered a series of lectures at ITPI on the subjects of a) Housing and b) Real Estate and Land Management

## **20. Exhibitions, Seminars or workshops organized by the students and faculty of the department**

### **Ruchita Gupta**

Conducted the final dissemination workshop under the project “The rise of private slum developers in Bangladesh and India: heroes or villains?” on 20 April 2018 at SPA New Delhi.

## **21. Seminars or workshops attended by the faculty of the Department.**

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

- Presented a paper on “Emerging Role of Private Developers and the State in Affordable Housing” at the Conference on The State of Housing, 15-17 March 2018, Mumbai.
- Panellist, Financing Sustainable Affordable Housing, 9<sup>th</sup> GRIHA Summit, 18-19 Dec. 2017. New Delhi.
- Keynote Speaker, Prakriti 2018 NOSPLAN, Lovely Professional University, 14 April 2018. Jalandhar,
- Panellist, Smart Cities-Art Cities, Organized by FICCI, 15<sup>th</sup> Feb. 2018, New Delhi.
- Chief Guest and Keynote Speaker, Indo-Italian Bilateral Programme for Scientific and Technological Cooperation, 12<sup>th</sup> Nov. 2017. New Delhi.
- Panellist at the State Urban Housing and Habitat Policy Conference, Chennai, 31<sup>st</sup> May, 2018 organised by GIZ and Government of Tamilnadu.
- Panellist on Hierarchical and Inter Sectoral Coordination in Urban Development for Facilitating Investments at the Conference on Urban Development : Technological Solutions and Governance Challenges, organized by RIS, Ministry of Finance and ASSOCHAM, 19-20 April 2018. Ahmedabad.
- Participated in the 9<sup>th</sup> Realty Plus Conclave, October 25, 2018. Gurugram

### **Ruchita Gupta**

- Presentation for the Delhi case study in the final dissemination workshop conducted under the project “The rise of private slum developers in Bangladesh and India: heroes or villains?” 20 April 2018, SPA, New Delhi.
- Rapporteur in the Track-III on sub-theme “Housing” in the International Conference on ‘Future of Cities: Opportunities and Challenges organized by the Institute of Town Planners, India. 27- 28 July 2017, New Delhi.

### **Participation Only**

- Workshop on "Healthy Housing for Low-Income Communities: Designing Solutions" organized jointly by UCL, London School of Hygiene and Tropical Medicine and CURE. November 16th 2017. N. Delhi.
- 3rd Stakeholder workshop on Mainstreaming Sustainable Social Housing in India Project (MaS-SHIP), Development Alternatives, New Delhi. 6th November, 2017.
- Workshop on "Public Art in Delhi - A Roundtable" organized by DUAC, at IHC New Delhi. January 15th 2018.
- Conference on Land Laws, Land Acquisition and Scheduled Areas in India. Organized by CPR Land Rights at IIC New Delhi, 15-16 March 2018.
- Conference on “Urban development Conclave Present and Future Cities” TERI School of Advanced Studies, 24 March 2018, New Delhi.
- Training programme on Sustainable waste Management practices for urban local bodies organized by HUDCO, HSMI, 4 and 5 June 2018.

### **Harshita Deo**

### **Participation Only**

- Dissemination workshop conducted under the project “The rise of private slum developers in Bangladesh and India: heroes or villains?” on 20 April 2018, SPA New Delhi.
- Workshop on "Public Art in Delhi - A Roundtable", DUAC, New Delhi, January 15th 2018.
- Conference on “Urban development Conclave Present and Future Cities”, TERI School of Advanced Studies, 24 March 2018 by, New Delhi.

### **22. Courses and training programs of more than one week attended by the faculty of the department**

Nil

### **23. Awards or recognitions received at the national and international level by the faculty, and students.**

Nil

### **24. Internal and external members of the Board of Studies:**

#### **Internal Members:**

- Prof. Dr. P.S.N. Rao
- Dr. Ruchita Gupta
- Ms. Harshita Deo

#### **External Members:**

- Prof. Subrata Chattopadhyaya
- Dr. Rahul Bysack
- Ms. Manju Paul

### **25. Internal and external members of the Departmental Research Committee (DRC)**

#### **Internal Members:**

- Prof. Dr. P.S.N. Rao
- Prof. Dr. Ashok Kumar
- Dr. Ruchita Gupta

#### **External Members:**

- Dr. Kiran Wadhwa
- Prof Dr. Sejal Patel

**26. Prominent visitors to the Department of studies:**

None

**27. Give details of activities under various MOUs during the reporting year**

None

**28. Give details of 'beyond syllabus scholarly activities' of the department**

**None**

**29. Any other information**

**P.S.N. Rao**

- Chairman, Delhi Urban Art Commission (DUAC) a statutory body under an Act of Parliament.
- Chairman, Delhi Regional Chapter, Institute of Town Planners, India (ITPI).

# DEPARTMENT OF INDUSTRIAL DESIGN

**1. Name of the Department**

Department of Industrial Design

**2. Names of academic programs offered by the Department**

- Masters of Design (Industrial Design): M.DES (ID)
- PhD

**3. Year of establishment of the Department**

1992

**4. Faculty profile:**

<b>Name of the Faculty</b>	<b>Educational Qualifications</b>	<b>Designation</b>	<b>Areas of Specialization</b>	<b>Years of Experience in Years</b>
Parag Anand Meshram	B.E. (Electronics), Master of Design (Industrial Design)	Associate Professor and Head, Department of Industrial Design	Product Design	21
			System Design	
			Social Design	
Krity Gera	B.Arch., M.Arch (Industrial Design)	Assistant Professor	Design for Sustainability	12
			Design and Social Innovation	
			Design And Craft	
Aditi Singh	B.Arch., M.Arch (Industrial Design)	Assistant Professor	Product Design Sustainable System Design	14
			Next-gen Experience Design	
			Social Innovation	

**5. Details of teaching work undertaken by the regular faculty in the Department:**

<b>Name of the Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours per Week</b>
Parag Anand Meshram	I	Design Project 1 (IDS107)	10
	II	Institutional Elective (Design Thinking) (IDO212)	2
	III	Institutional Elective (Universal Design) (IDO309)	2
	IV	Thesis Project (IDS402), Design Degree Show (IDT403)	13
Krity Gera	I	Studies in Form (IDS106), Design History and Design Theory (IDL101), Elective (Applied Arts and Crafts) (IDE110)	6
	II	Design Project 2 (IDS206), Elective (Social Design) (IDE208), Human Factors in Design (IDL201), Advanced Form Studies (IDS205)	16
	III	Design Project 3 (IDS305)	10
Aditi Singh	I	Design Project 1 (IDS107)	10
	II	Computer Aided Industrial Design 1 (IDT204)	2
	III	Computer Aided Industrial Design 2 (IDT304), Elective (Branding and Marketing) (IDE310)	4
	IV	Thesis Project (IDS402), Design Degree Show (IDT403), IPR, PP and E (IDL401)	14

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School:**

<b>Name of the Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours per Week</b>
Parag Anand Meshram	Semester IX (B. Arch. Fifth Year)	Architecture Seminar 2017	2
Aditi Singh	Semester IX (B. Arch. Fifth Year)	Architecture Seminar 2017	2

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department:**

<b>Name of the Visiting Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours per Week</b>
Prof. Dr. Vinod Gupta	III	Design Project 3 (IDS305)	10
Ratna	I	Manufacturing Process and	2

Chatterjee		Techniques (IDL103)	
	IV	Thesis Project (IDS402)	7
Prof. Dr. Vijayraghvan Chariar	III	System Thinking and User Experience (IDL303)	2
	IV	IPR, PPE (IDL401)	2
Anisha Shekhar Mukherji	I	Research Methods and Critical Writing (IDL102)	2
	II	Design Research (IDL203)	2
Amit Gulati	III	Design Management (IDL301)	2
	IV	Thesis Project (IDS402)	3
Alpana Rohtagi	I	Design Methods (IDL104)	2
Naveen Vikas Rampal	II	Design Project 2 (IDS206)	10
	III	Design Project 3 (IDS305)	10
Rahul Tyagi	II	Design Project 2 (IDS206)	10
	III	Elective (Contemporary Technology in Design (IDE308)	2
Shruti Parikh	II	Advanced Manufacturing Techniques (IDL202)	2
	III	Product Detailing (IDL302)	2
Siddharth Kumar	I	Elective (Mechanics and Electronics in Industrial Design (IDE108)	2
	II	Elective (Design Engineering and Prototyping) (IDE211)	2
Dharmesh Jaiswal	I	Communication Presentation and Techniques (IDT105), Design Project 1 (IDS107)	12
	II	Computer Aided Industrial Design 1 (IDT204)	2
	III	Computer Aided Industrial Design 2 (IDT304)	2
Somya Hastekar	I	Studies in Forms (IDS106)	2
	II	Human Factors in Design (IDL201), Advanced Form Studies (IDS205)	3
Anup Takalkar	I	Communication Presentation and Techniques (IDT105),	2

**(b) Details of Special Lectures undertaken in the Department:**

Name of the Expert	Topic	Date
Ms. Riga Singh	Branding and Marketing at BMW	29 November 2017
Prof. Dr. Vinod Gupta	Human Factors in Design	22 March 2018
Prof. Apex Lin	How to Project design for International Competitions	5 March 2018

**8. Department's involvement in inter disciplinary programs and names of other departments involvement.**



“Projecting 2037” The faculty members Aditi Singh and Parag Anand were involved in conceptualizing and conducting and mentor the research seminar programme conducted by Department of Architecture.

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

Nil

**10. Semester-wise details of the studio work undertaken by the students :**

**SEMESTER I: FIRST YEAR INDUSTRIAL DESIGN**

<b>Name of The Studio</b>	<b>Project Title/Description</b>	<b>Student Name</b>	<b>Case Study Description and Major Outcomes and Conclusion</b>
<b>DP1 (A)</b>	<b>Everyday Object</b>	Aayushi Rametkkar	Pepper Crusher Mill - Stainless Steel
		Aditi Sit	Prestige Electric Kettle- PKPWC 1.0
		Amandeep Singh	Logitech G600 : mmo gaming mouse
		Ankita Bhati	Aptonia Massager: Hand held massage tool
		Ashim Chakrabarty	JBL Charge Bluetooth Speaker: 1st gen
		Debarghya Kumar	Illuminated Magnifying Glass
		Divya Singh	Apple IPOD Shuffle : 3rd gen
		Himanshi	Soap Dispenser Bottle
		Himanshu Yogi	Muji: Measuring Tape
		Krishnanunni Karayil	Sony: Head phone
		Madhu Priya	Corkscrew opener
		Jupiter Moirangthem	Muji Stapleless Stapler
		Nibir Das	Uteki Toothbrush Holder
		Nikhil Nitir Bage	Geonaute- dynamo torch
		Pankhil Shaileshbhai	Hand juicer
		Seema Mehra	Salt Pepper Shakers
		Shiva Ghosh	Table Calling Bell
		Shubham Vaidya	Personalised pen holder
		Sundram	Philips trimmer
		Surbhi Lahoti	Cheese Platter Board: Along with knife stand
Tiyas Tanu Mandal	Pebble: An ovoid shaped handheld instant camera.		
Vaibhav Singh	Zaap Defender Power bank		

<b>Name of The Studio</b>	<b>Project Title/Description</b>	<b>Student Name</b>	<b>Case Study Description and Major Outcomes and Conclusion</b>
<b>DP1 (B)</b>	<b>LIGHTING</b>	Aayushi Rametkkar	Eclipse - Pendant Luminaire with revolving jaali.

	Aditi Sit	Illuminated Instance- wall mounted luminaire with concentric rings which with a subtle play of light and shadow also supplements as a clock
	Amandeep Singh	SPACE POD
	Ankita Bhati	EFFUSE: Modular wall mounted track lighting
	Ashim Chakrabarty	SABER: Wall mount modular lighting with traditional jaali pattern cut out responsive to music.
	Debarghya Kumar	Captivated Soul: Wall Mounted lighting with patterns that create shadows all around itself. Metaphorically, similar to a captivated soul's reflection.
	Divya Singh	JEWEL : Origami Chandelier
	Himanshi	GROTAIRE : Pendent Luminaire with baroque style jaali
	Himanshu Yogi	WINK : A jazzling way to tranquillity
	Krishnanunni Karayil	KAKUNA: A sensual gold warm luminaire
	Madhu Priya	Saturn : Pendant light with Pop rings
	Jupiter Moirangthem	VOYAGER 2312: Pendant light with adjustable colour setting.
	Nibir Das	Falling Trian: Pendant Luminaire inspired from falling stars made in brushed steel aluminium finish.
	Nikhil Nitir Bage	BLOOM : RESPONDS YOU
	Pankhil Shaileshbhai	THE INSIDER: pendant luminaire inspired by sassiness with jute rope
	Seema Mehra	Crystalline : The design is a minimal post-modern approach of paper folding into slits that create an interesting warm glow at the edges.
	Shiva Ghosh	Square Wave: Tessellation folded lamp shades is an innovative design allows an unique play of light and shadow creating a warm nurturing energizing feel.
	Shubham Vaidya	ZETA: Renaissance inspired wall mounted lighting
	Sundram	The Melting Lamp: Copper finished lamp inspired by melting wax glorify your interior with warm candle lit experience.
	Surbhi Lahoti	Askew: Ceiling pendant lights with perforation for providing ambient lighting.
	Tiyas Tanu Mandal	Strands: Interwoven twigs of bird's nest are realised as prominent strands. The light emitted from it gives the feel of starry sky.
	Vaibhav Singh	Nested: Warmth of Nature

Name of The Studio	Project Title/Description	Student Name	Case Study Description and Major Outcomes and Conclusion
DP1 (C)	<b>Modular Solution for a Housing Typology</b>	Aayushi Rametkkar	TATV : Evaporative Cooling Refrigeration System
		Aditi Sit	TROLLEY KITCHEN: Quick and efficient modular trolley for disaster relief kitchen
		Amandeep Singh	DOWN TO EARTH : soil rejuvenation system
		Ankita Bhati	TATV : Evaporative Cooling Refrigeration System
		Ashim Chakrabarty	DOORACK: Multi Utilitarian door with shoe rack, shoe cleaning system and parcel collector
		Debarghya Kumar	TATV : Evaporative Cooling Refrigeration System
		Divya Singh	RE-E-LE : Waste Management App+ Product
		Himanshi	FUSION: A smart kitchen chimney
		Himanshu Yogi	TROLLEY KITCHEN: Quick and efficient modular trolley for disaster relief kitchen
		Krishnanunni Karayil	KAAM KARO NAAM KARO- A responsive labour management App
		Madhu Priya	RE-E-LE : Waste Management App+ Product
		Jupiter Moirangthem	DOORACK: Multi Utilitarian door with shoe rack, shoe cleaning system and parcel collector
		Nibir Das	GYMBLOCK: A smart bed for a studio apartment which transforms into a gym space.
		Nikhil Nitir Bage	DOWN TO EARTH : soil rejuvenation system
		Pankhil Shaileshbhai	FUSION: A smart kitchen chimney
		Seema Mehra	DOORACK: Multi Utilitarian door with shoe rack, shoe cleaning system and parcel collector
		Shiva Ghosh	TROLLEY KITCHEN: Quick and efficient modular trolley for disaster relief kitchen
		Shubham Vaidya	RE-E-LE : Waste Management App+ Product
Sundram	GYMBLOCK : A smart bed for a studio apartment which transforms into a gym space.		
Surbhi Lahoti	FUSION: A smart kitchen chimney		

		Tiyas Tanu Mandal	GYMBLOCK: A smart bed for a studio apartment which transforms into a gym space.
		Vaibhav Singh	KAAM KARO NAAM KARO- A responsive labour management App

## SEMESTER II: FIRST YEAR INDUSTRIAL DESIGN

Name of The Studio	Project Title/Description	Student Name	Case Study Description and Major Outcomes and Conclusion
DP2 (A)		Aayushi Rametkkar	BHEL PURI VENDOR'S UNIT FOR BICYCLE
		Aditi Sit	MOBILE CART FOR MOONGFALI AND POPCORN
		Amandeep Singh	CHHOLE KULCHE VENDOR MOBILE CART
		Ankita Bhati	CORN VENDOR'S MOBILE CART
		Ashim Chakrabarty	MOBILE PHONES VENDOR STORAGE AND DISPLAY UNIT
		Debarghya Kumar	JHAL MURI VENDOR
		Divya Singh	TEA VENDOR'S MOBILE UNIT
		Himanshi	MOBILE STALL SYSTEM FOR SWEET POTATO VENDOR
		Himanshu Yogi	KHASTA KACHORI WALLA- BICYCLE
		Krishnanunni Karayil	DISPLAY AND STORAGE SYSTEM FOR BALLOON URBAN HAWKER
		Madhu Priya	MEHANDI WALA SETUP DESIGN
		Jupiter Moirangthem	COBBLER SET
		Nibir Das	EGG VENDOR (CART)
		Nikhil Nitir Bage	WATER VENDING CART
		Pankhil Shaileshbhai	DISPLAY SYSTEM FOR GOGGLES VENDOR
		Seema Mehra	CART FOR TIBETIAN DUMPLING VENDOR
		Shiva Ghosh	ARTIFICIAL JEWELLERY VENDOR
		Shubham Vaidya	COTTON CANDY STREET VENDOR
		Sundram	PAPAD WALA (PAPAD VENDOR)
		Surbhi Lahoti	MOBILE STALL SYSTEM FOR RAMLADOO VENDOR
	Tiyas Tanu Mandal	COMPACT SET UP FOR PANIPURI VENDOR	
	Vaibhav Singh	JUICE CART	

Name of The Studio	Project Title/Description	Student Name	Case Study Description and Major Outcomes and Conclusion
DP2 (B)		Aayushi Rametkkar	VEGETABLE AND GROCERY BAG
		Aditi Sit	PRODUCT TO REDUCE EXCESSIVE MOBILE PHONE SCREEN TIME

		Amandeep Singh	SMALL WASH (PORTABLE WASHING MACHINE)
		Ankita Bhati	SHAMPOO SACHET REDESIGN
		Ashim Chakrabarty	SMART SIGNAL FOR PEDESTRIAN ROAD SAFETY
		Debarghya Kumar	REFUSE COLLECTION SYSTEM FOR THE BED RIDDEN
		Divya Singh	PORTABLE CHAIR
		Himanshi	WOMEN'S SAFETY DEVICE
		Himanshu Yogi	NASAL PASSAGE CLEARING DEVICE
		Krishnanunni Karayil	MASSAGE CARE CRADLE – MASSAGING SYSTEM FOR INFANTS
		Madhu Priya	SOLUTION FOR DRUNK DRIVING
		Jupiter Moirangthem	PRODUCT FOR WATERING PLANTS
		Nibir Das	CHAIR FOR MAINTANING GOOD POSTURE
		Nikhil Nitir Bage	WEARABLE NOISE REDUCTION AID (DAILY USE)
		Pankhil Shaileshbhai	A HAIR COLLECTION BED CUM PLAY AREA FOR PETS
		Seema Mehra	MEMORY GAME FOR KIDS
		Shiva Ghosh	SELF CHARGING CHARGER
		Shubham Vaidya	EDUCATING CHILDREN ABOUT THEIR SAFETY
		Sundram	REDESIGN OF SCHOOL BAG PACK
		Surbhi Lahoti	HOME KITCHEN WASTE MANAGEMENT SYSTEM
		Tiyas Tanu Mandal	MILK PACKAGING SOLUTION
		Vaibhav Singh	AIR FLOW HELMET

### SEMESTER III: SECOND YEAR INDUSTRIAL DESIGN

Name of The Studio	Project Title/ Description	Student Name	Case Study Description and Major Outcomes and Conclusion
DP3 (A)	Design for Sustainable Transportation for Smart Cities:	Anshumala Mishra	To enhance the experience of shared cab by utilizing space for passengers
		Abhinav Verma	To design a public transport for last mile connectivity which is easy to operate in narrow street
		Anchal Sharma	Redesign an e-rickshaw to enhance riding experience and ensure safety of belongings
		Ayan Choudhury	Sustainable Bus shelter for a Smart City
		Brijesh Kumar Balbantray	Bicycle that grows its stack and react in an instant
		Geetika Garg	Product for easy movement of pedestrians in water logged streets
		Meenakshi Baruah	Designing Interior for a ride-sharing vehicle
		Nitul Kumar Das	Two wheeler for Street Vendors

		Odugu Shanmukh	To design a bag that ease the commuting in metro
		P. Sreeraj	Bicycle safety device which convey information to other riders
		Radhika Ojha	Safe transportation of long goods
		Rahul K	Dynabike-Motor bike with increased ergonomics for city commute
		Riddhibrata Samanta	Rain protection gear for motorcycle rider
		Saikat Mahato	Incorporating wheel-chair in an e-rickshaw
		Sarthak Rohilla	Resolving queuing situation of Auto's e-rickshaw at Metro Stations
		Shahakar Aditya Pramod	Vroom-Smart mobile van for school kids
		Sravan Satheesh	Mile –O: Last and First mile connectivity solution for Metro
		Vinod Thomas	Velotopia-Regenerative bicycling
		Vishnu M R	PEDEGO – Short distance commuting made faster and convenient
		Vishnu N P	OBYK – Bicycle for elderly
		Zuberan Ahmed	To make cab or public vehicles more accessible for paraplegics

<b>Name of The Studio</b>	<b>Project Title/Description</b>	<b>Student Name</b>	<b>Case Study Description and Major Outcomes and Conclusion</b>
<b>DP3 (B)</b>	<b>Food:</b>	Anshumala Mishra	To design a kiosk for meat sellers with keeping up the factor of food hygiene in meat
		Abhinav Verma	Safe chapatti making for visually impaired
		Anchal Sharma	Handheld dishwasher for homes
		Ayan Choudhury	Food service and Disposal in Indian Railways
		Brijesh Kumar Balbantray	Micro – Transportation of vegetables in Mandi
		Geetika Garg	System to connect people who live apart, over food
		Meenakshi Baruah	To grow one's own food in a community kitchen garden
		Nitul Kumar Das	Compact kitchen and dining module for outdoor eating (Road trips)
		Odugu Shanmukh	Cleaning dishes in a Mess
		P. Sreeraj	Water less dishwasher for Restaurants

		Radhika Ojha	Eating while standing in Buffet
		Rahul K	Incentivizing healthy eating habits
		Riddhibrata	Multi – sensory menu for 5 – star cuisine
		Saikat Mahato	Fresh cooked food for office
		Sarthak Rohilla	Packaging for fruits and vegetables in bulk
		Shahakar Aditya Pramod	Grow your own food
		Sravan Satheesh	Preservation cut fruits and vegetables
		Vinod Thomas	Grains and Cereal packaging
		Vishnu M R	Milk packaging
		Vishnu N P	Packaging for Coffee
		Zuberan Ahmed	Experience of growing food while learning

#### 11. Details of the thesis topics researched by the students of the final year class:

S. No.	Roll No.	Name of the Student	Thesis Topic	Name of the Thesis Guide
1.	ID/284	Anshumala Mishra	<p><b>‘VertaVest’</b></p> <p><b>Design Description</b> A specialized pain management system comprising of a Vest to help alleviate back pain and an App to track posture and provide support to people suffering from Ankylosing Spondylitis.</p>	Parag Anand, Aditi Singh, Ratna Chatterjee and Amit Gulati
2.	ID/285	Abhinav Verma	<p><b>FMO7</b></p> <p><b>Design Description</b> A compact, foldable home gym equipment that allows the entire family to customize their exercise routine by personalized engagement with FM07. This product learns the users requirements and provides a number of usage scenarios and gamification and puts the fun back in getting fit.</p>	
3.	ID/286	Anchal Sharma	<p><b>‘Shadow Bot’</b></p> <p><b>Design Description</b> A kit for kids to enhance creativity, promote learning and boost lateral thinking, using lights and shadows,</p>	



			of which this is the first: 'places of worship'.	
4.	<b>ID/287</b>	<b>Ayan Choudhury</b>	<b>'SaveER'</b>  <b>Design Description</b> An exo-skeleton suit to help in rescue operations during Earthquakes with by strength enhancement using actuators and. The suit is also equipped with tools to help in rapid evacuation of victims trapped in earthquakes.	
5.	<b>ID/288</b>	<b>Brijesh Kumar Balbantray</b>	<b>Spicer X Dicer</b>  <b>Design Description</b> A combi home appliance to aid the daily fresh food preparation process by wet and dry grinding combing a roasting feature for spices.	
6.	<b>ID/289</b>	<b>Geetika Garg</b>	<b>'MycoKIT'</b>  <b>Design Description</b> A portable diagnostic kit that enables public healthcare workers in low resource areas to conduct molecular test for mycobacterium detection in patients potentially infected with pulmonary tuberculosis.	Parag Anand, Aditi Singh, Ratna Chatterjee and Amit Gulati
7.	<b>ID/290</b>	<b>Meenakshi Baruah</b>	<b>'namasWay'</b>  <b>Design Description</b> An interactive kiosk for tourists with multilingual capabilities that can assist in providing information, completing bookings, dispensing travel cards and connecting with the tourist helpline desk; thus easing and enhancing the experience of travelling in India.	
8.	<b>ID/291</b>	<b>Nitul Kumar Das</b>	<b>'AnnYaan'</b>  <b>Design Description</b> A Food Delivery System for the Mid-Day Meal Scheme especially for Rural areas ensuring maintenance of hygiene, quality and ensuring	



			nutritional requirements at most preferred serving condition with easy distribution, service and recovery.	
9.	ID/292	<b>Odugu Shanmukh</b>	<b>AEROROOT</b>  <b>Design Description</b> An aero-ponic based home-gardening kit for the elderly that allows easy growing and nurturing of plants, herbs etc. at home provide a hobby that is also healthy.	
10.	ID/293	<b>P. Sreeraj</b>	<b>'Caballo'</b>  <b>Design Description</b> Adaptive footballs to give budding football players an opportunity to experiment with boot types to perfect their style of game.	
11.	ID/294	<b>Radhika Ojha</b>	<b>'Jugnoo'</b>  <b>Design Description</b> A 'do-it-yourself' (DIY) kit that helps rural children make their own solar study lights, where electricity is scarce to enable studying after dark. Also encourages tinkering and instilling confidence in making things by themselves.	
12.	ID/295	<b>Rahul K</b>	<b>'portED'</b>  <b>Design Description</b> PortKey is a next gen educational tool that enables students to learn better through a more immersive experience using virtual and augmented reality.	
13.	ID/296	<b>Riddhibrata Samanta</b>	<b>TRAD</b>  <b>Design Description</b> Tremor Reducing Assistive Device An exo arm device to reduce hand tremors of patients suffering from Parkinson's by providing smart Electrical muscle stimulation therapy and controlled movement of the	Parag Anand, Aditi Singh, Ratna Chatterjee and Amit Gulati

			fingers to reduce tremors to be able to carry out every day works.
14.	<b>ID/297</b>	<b>Saikat Mahato</b>	<p><b>‘Grub-ba’</b></p> <p><b>Design Description</b> Improving the lunch eating experience in office by providing an option to eat ‘out-of-the-box’ and in a thali to create a home-like eating experience. The design facilitates also easy warming and serving of food.</p>
15.	<b>ID/298</b>	<b>Sarthak Rohilla</b>	<p><b>‘Alfredo’</b></p> <p><b>Design Description</b> Reinterpreting the hospitality ‘food trolley’ as an automated voice controlled bot to enhance the in-room dining experience by delivering and serving food and beverages. Alfredo also uses AI to cater to personalize the service to the guests.</p>
16.	<b>ID/299</b>	<b>Shahakar Aditya Pramod</b>	<p><b>‘HighDR8’</b></p> <p><b>Design Description</b> The product takes care of the hydration need of the mountaineer in high altitudes by filtering water from snow and keeping it from freezing, thus providing hydration at any altitude.</p>
17.	<b>ID/300</b>	<b>Sravan Satheesh</b>	<p><b>‘eID’</b></p> <p><b>Design Description</b> A responsive electric vehicle that morphs as per user need and traffic conditions by altering its form and footprint.</p>
18.	<b>ID/301</b>	<b>Vinod Thomas</b>	<p><b>PABLOO</b></p> <p><b>Design Description</b> A toilet designed to provide a</p>

			turnkey sanitation solution to the Indian Rural masses across geographies and eliminate the menace of open defecation. Coupled with a reimagined commode and the Lota, Pabloo™ addresses the aspects of social barriers and stigmas, cultural ethos and resource scarcity issues of the populace.	
19.	<b>ID/302</b>	<b>Vishnu M R</b>	<b>‘proton E+’</b>  <b>Design Description</b> Reconfiguring the architecture of an electric bike to optimize it for functionality and efficiency. Proton appropriately demonstrates a new semantic of e-bikes to set it apart from the conventional models.	
20.	<b>ID/303</b>	<b>Vishnu N P</b>	<b>‘e1D’</b>  <b>Design Description</b> A responsive electric vehicle that morphs as per user need and traffic conditions by altering its form and footprint.	Parag Anand, Aditi Singh, Ratna Chatterjee and Amit Gulati
21.	<b>ID/304</b>	<b>Zuberan Ahmed</b>	<b>‘Nimbus 103’</b>  <b>Design Description</b> Nimbus 103 is a remotely stationed and quickly deployable first responder that provides immediate fire-fighting abilities to places that are not accessible to large fire tenders. The drone provides real-time surveillance and information prior to arrival of help on the ground that drastically reducing response time.	

**12. Details of the thesis topics being researched by the doctoral students in the Department:**

Nil

**13. Research thrust areas of the Department:**

Experience Design, Socially relevant innovation, eco-friendly lighting solutions,

sustainable design, system thinking, sanitation and health in urban rural sectors, design intervention in heritage zones, disaster mitigation and disaster management, Products development with next-gen technology

**14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received.**

Name of the Project and Sponsoring Agency	Name of Team Leader/ Faculty	Thrust Area/ Expected Outcomes	Total Grant/ Fee (Rs. In Lakhs)
Nil			

**15. Inter-institutional collaborative projects and associated grants received (a) National collaboration (b) International collaboration.**

Collaborative projects with Design Innovation Center, Delhi University, Delhi are being conducted.

**16. Research facilities or centre (s) in the Department. If yes, describe each in 50 words only.**

Name of the Project and Sponsoring Agency	Name of Team Leader/ Faculty	Thrust Area/ Expected Outcomes	Total Grant/Fee (Rs. In Lakhs)
None			

**17. Give details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty:**

Parag Anand reviewed following manuscripts for international conference on Engineering and Product Design Education, September 2018 (E and PDE 2018), Dyson School of Design Engineering, Imperial College, London, United Kingdom:

- Semantics design thinking morphs an intangible ecological form to emerge conceptual of eco design identity
- Design tools in materials teaching: bridging the gap between theoretical knowledge and professional practice
- Application of “CODEVE” methodology in transatlantic student design project
- Towards a better future for innovation and applied creative learning in secondary education.

**18. Details of other publications made by regular faculty of the Department:**

Nil

**19. Faculty selected nationally or internationally to visit other laboratories or institutions or industries in India and abroad.**

**Parag Anand**

- Visit to Bare Foot Institute, Tilonia, Rajasthan for joint opportunities at the grassroots level design innovation.

**Aditi Singh**

- IIT Madras, Chennai
- Saint Gobain Manufacturing Facility Chennai
- Visit to Bare foot Institute, Tilonia, Rajasthan for joint opportunities at the grassroots level Design Innovation.

**20. Faculty serving in (a) National Committees (b) International Committees (c) Editorial Boards (d) Any other :**

<b>S. No</b>	<b>Name of Faculty Laboratories/ Institution/ Industries/ India and Abroad</b>
1.	<p><b>Parag Anand Meshram</b></p> <ul style="list-style-type: none"> <li>• Member ITPI, New Delhi</li> <li>• Board IIT Delhi B. Des</li> <li>• Member DU: Design Innovation Centre, Advisory Committee</li> <li>• Member, IQAC.</li> </ul>
2.	<p><b>Aditi Singh</b></p> <ul style="list-style-type: none"> <li>• Nominated as Fellow: World Technology Network</li> <li>• Member of Council of Architecture</li> <li>• Member Delhi University-Design Innovation Centre Advisory Committee</li> </ul>

**21. Exhibitions, Seminars or workshops organized by the students and faculty of the Department:**

- Parag Anand – Mentored, Design Degree Show – Design Premiere 2018 at India Habitat Centre, New Delhi 20-24<sup>th</sup> May, 2018
- Parag Anand - Camimle Jean form Paris Tech University conducted a Workshop on SPA Delhi regarding conversational agent
- Aditi Singh – Conceptualized, Coordinated and managed Design Degree Show – Design Premiere 2018 at India Habitat Centre, New Delhi 20-24<sup>th</sup> May, 2018. The exhibition was widely covered in national media viz. Indian Express, Danik Bhaskar, Danik Jaagran etc.
- Aditi Singh – Organized and Conducted Taiwan Design Competition Orientation Programme 5 March 2018.
- Aditi Singh and Students of First Year organized LED based lighting design Exhibition at The Economic Times ACETECH at Pragati Maidan, New Delhi in Nov, 2017.
- Kriti Gera – Coordinated and mentored design and execution of installations at Delhi Design Fest February, 2018.
- Kriti Gera – Organized lecture by Designer Sudhir Sharma, founder and creative Chairman, INDI Design, Pune February, 2018.

- Kirty Gera – Organized workshop on “Ergonomics” by Prof. Dr. Vinod Gupta March, 2018.

**22. Seminars or workshops attended by the faculty of the Department:**

Name of Faculty	WORKSHOP/ CONFERENCE/ PRESENTATION (International)
	None

Name of Faculty	WORKSHOP/ CONFERENCE/ PRESENTATION (Chairperson / Member of Panels)
<b>Parag Anand</b>	<ul style="list-style-type: none"> <li>• Jury Member for final thesis projects at IIT Delhi, M.Des Program, June 2017.</li> <li>• Jury Member for final thesis projects at Ambedkar University Delhi (AUD), May 2018.</li> <li>• foAID Conference 22<sup>nd</sup> September, 2017</li> </ul>
<b>Aditi Singh</b>	<ul style="list-style-type: none"> <li>• Member INDO FRENCH Workshop on autonomous vehicles with IIT Delhi on 21<sup>st</sup> Feb, 2017</li> <li>• Jury Member for final thesis projects at IIT Delhi, M.Des Program, June 2017.</li> <li>• Jury Member for Design project at Ambedkar University Delhi (AUD), May 2018.</li> <li>• foAID Conference 22<sup>nd</sup> September, 2017</li> </ul>

Name of Faculty	WORKSHOP/ CONFERENCE/ PRESENTATION (Participation Only)
<b>Parag Anand Meshram</b>	UX Now: Iterate, the annual Design Conference on User Experience Design IIT Delhi 07 <sup>th</sup> October, 2017
<b>Aditi Singh</b>	UX Now: iterate, the annual Design Conference on User Experience Design IIT Delhi 07 <sup>th</sup> October, 2017

**23. Courses and training programs attended by the faculty of the Department:**

Nil

**24. Awards or recognitions received at the national and international level by the faculty, and students:**

Name of Student/ Faculty	National and International Level
<b>Anshumala Mishra, IInd Year ID Madhupriya, Ist Year</b>	<b>James Dyson Design Award 2017</b> National Runner Up and International Finalist 07 <sup>th</sup> September, 2017

ID	
<b>First and Second Year Students</b>	<b><u>Wood is Good by Canadian Wood</u></b> (foAID-Festival of Architecture and Interior Designing) Second Prize - 23 <sup>rd</sup> September, 2017
<b>Anshumala Mishra, IInd Year ID</b>	<b><u>Delhi Design Festival by USiD</u></b> Design enabled digital technology for social impact Third Prize 23 <sup>rd</sup> February, 2018
<b>Second Year Students</b>	<b><u>Lexus Design Award</u></b> Shortlisted for the Final evaluation
Rajiv Surya Sathuri IInd Year ID Batch of 2015-2017	<b><u>Association of Designers of India (ADI)</u></b> International Student Design Competition Thesis Project : CARE-S – WHEELCHAIR CUM STRETCHER First Prize – Product Design 16 <sup>th</sup> – 17 <sup>th</sup> February, 2018
Department of ID First Year Batch of 2015 – 2017	<b><u>Association of Designers of India (ADI)</u></b> International Student Design Competition Second Runner UP - (Graphic Design) (DELHIPRO) 16 <sup>th</sup> – 17 <sup>th</sup> February, 2018

**25. Internal and external members of the Board of Studies:**

<b>S.No</b>	<b>Name of Board of Studies Members (External Members)</b>	<b>Name of Advisory Committee Members (Internal Members)</b>
1.	Prof. Dr. B.K. Chakravarthy, IIT Bombay, Mumbai	Parag Anand Meshram Head, of the Department
2.	Mr. Anuj Prasad, DESMANIA, New Delhi	Dean (Academic)
3.	Mr. Amit Sharma, Axiom India, New Delhi	Krity Gera
4.		Aditi Singh

**26. Internal and external members of the Departmental Research Committee:**

None

**27. Prominent visitors to the Department of studies:**

- Prof. Dr. G.V. Soumitri, Dean Industrial Design, RMIT University, Melbourne, Australia
- Camimle Jean form Paris Tech University, Paris, France.

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



Nil

**29. Details of 'beyond syllabus scholarly activities' of the department:**

Students regularly interact with academicians and experts from Industry. They attend and organize workshops on Modeling, art exhibitions, conferences and design Talks. Some Prominent ones are visit to various manufacturing facilities in Baddi Himachal Pradesh, viz. Ess Ess Industries (Metal Factory) and Manjushree Technopak (Plastic Manufacturing).

**30. Any other information:**

**Faculty Involved in Consultancy Projects.**

Parag Anand and Aditi Singh – Design of Water Heaters for HSIL ltd.  
Gurugram, India.

**31. Photographs**









# DEPARTMENT OF LANDSCAPE ARCHITECTURE

**1. Name of the Department**

Department of Landscape Architecture

**2. Names of academic programs offered by the Department**

- Masters with specialization in
- PhD

**3. Year of establishment of the Department**

1972

**4. Faculty profile:**

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Number of Years of Experience
Anuradha Chaturvedi	B.Arch., M.A. Conservation Studies, University of York , UK	Associate Professor and Head In-Charge  (from 15.12.17-15-6-2018)30.06.18)	Heritage Management and Sustainable Development, Cultural Landscapes	32
Surinder Suneja	Doctorate in Urban Planning Masters in Landscape Architecture	Professor and Head, Department of Landscape Architecture  (from 16/01/17-08/08/17)	Landscape Architecture	40
Rommel Mehta	Ph.D. (Landscape Architecture)  PG. diploma in Landscape Architecture  B. Arch	Professor and Head, Department of Landscape Architecture  (From 09/08/17-14/12/17)	Landscape Architecture Design Site Planning and Landscape Engineering Hydrology Plants and Design Landscape Project Management and professional Practice	36yrs

Aarti Grover	Ph. D. M.L. Arch B. Arch	Assistant Professor	Landscape Architecture	16
Priyajit Pandit	M.L. Arch G.D. Arch.	Assistant Professor (Contract)	Ecological Landscape Urban Sustainability	11

**5. Details of teaching work undertaken by the regular faculty in the Department:**

Name of the Faculty		Semester	Subjects (Theory and Studios)	Hours per Week
Surinder Suneja	July – Nov, 2017	Sem - I	LA – 5, Landscape Architecture Studio –I	10
Rommel Mehta	July – Nov, 2017	Sem - III	LA-10, Landscape Engineering – II (Theory)	1
			LA-11, Dissertation (Theory)	1
			ID-2, Institutional Elective (Theory)	2
			LA-13, Landscape Architecture Studio- 13	8
Aarti Grover	July – Nov, 2017	Sem - III	LA-10, Landscape Engineering – II (Theory)	1
			LA-11, Dissertation (Theory)	1
			DE-2, Departmental Elective (Theory)	2
			LA-13, Landscape Architecture Studio- 13	12
	Jan – May, 2018	Sem - I	LA-8, Planting Design, Management and Landscape Economics	2
			LA-9, Landscape Architecture Studio-II	5
		Sem - IV	LA-15 Landscape Architecture Studio - IV	9
Priyajit Pandit	Mar – May, 2018	Sem – II and IV	DE-1, Departmental Elective LA-9, Landscape Architecture Studio-II LA-15, Landscape Architecture Studio-IV	1 9 6

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School.**

Name of the Visiting Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
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None

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department:**

<b>Name of the Visiting Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours per Week</b>
Dr. A.M. Bhola	I	LA-1, Geology	1
Dr. Garima Malik	I	LA-1, Soils	1
Harbir Singh	I	LA-4, Landscape Engineering-I LA-5, Landscape Architecture Studio-I	3 6
Jasleen Kaur	I	LA-5, Landscape Architecture Studio-I	6
Dr. Monika Koul	I	LA-3, Ecology	1
Nikhil Dhar	I	LA-5, Landscape Architecture Studio-I	6
Savita Punde	I	LA-5, Landscape Architecture Studio-I	9
Poonam Saini	I	LA-5, Landscape Architecture Studio-I	3
Dr. Shashank Shekhar	I	LA-2, Hydrology	1
Dr. Sushma Moitra	I	LA-3, Plant Taxonomy and Plant Physiology	1
Dr. Pankaj Srivastava	I	LA-2, Geomorphology	1
Neeru Gupta	I	LA-4, Landscape Engineering-I LA-5, Landscape Architecture Studio-I	3 3
Krishan C. Singal	III	LA-10, Landscape Engineering-III	1
Nandini Rewari	III	LA-13, Landscape Architecture Studio-III	3
Nandita Parikh	III	LA-12, Urban and regional Landscapes	2
Suresh Purandare	III	LA-11, Dissertation LA-13, Landscape Architecture Studio-III	1 11
Harbir Singh	II	LA-9, Landscape Architecture Studio-II	3
Jasleen Kaur	II	LA-9, Landscape Architecture Studio-II	3
Minesh Parikh	II	LA-9, Landscape Architecture Studio-II	5
Nikhil Dhar	II	LA-9, Landscape Architecture Studio-II	5

Nidhi Madan	II	DE-1, Departmental Elective LA-9, Landscape Architecture Studio-II	1 3
Nandita Parikh	II	LA-7, Theory of Landscape Architecture IE-1, Institutional Elective	2 2
Poonam Saini	II	LA-9, Landscape Architecture Studio-II	6
P.S. Uttrwar	II	LA-6, Remote Sensing and GIS based Land Information System	2
Vina Biswas	II	LA-9, Landscape Architecture Studio-II	3
Geeta Wahi	IV	LA-15, Landscape Architecture Studio-IV	3
Krishan C. Singal	IV	LA-15, Landscape Architecture Studio-IV	3
Minesh Parikh	IV	LA-14, Landscape Project Management and Professional Practice	2
Nandini Rewari	IV	LA-15, Landscape Architecture Studio-IV	6
Pankaj Jain	IV	LA-15, Landscape Architecture Studio-IV	3
Samir Mathur	IV	LA-15, Landscape Architecture Studio-IV	6
Savita Punde	IV	LA-15, Landscape Architecture Studio-IV	6
Suresh Purandare	IV	LA-15, Landscape Architecture Studio-IV	6

**(b) Details of Special Lectures undertaken in the Department:**

Name of the Expert	Semester	Topic	Date
Dr. Priyaleen Singh	II	Historic Development of <i>Shahjahanabad</i>	08/01/2018

**8. Department involvement in interdisciplinary programs and names of other departments involvement:**

Nil

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

A MoU signed between University of Melbourne and School of Planning and Architecture, New Delhi for student exchange and credit transfer.

**10. Give semester-wise details of the studio work undertaken by the 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>
<p><b>Semester – 1</b></p> <p><b>1. Urban Landscape, Delhi</b></p> <p><b>2. Study of Chandigarh and its environs</b></p>	<p>The studio problem was aimed at introducing various aspects of open spaces in urban situation to develop an understanding of the physical and social significance of certain components of urban landscape (activities, spatial quality, elements, user response) in the city of Delhi.</p> <p>The studio problem-2 is aimed at introducing the landscape design of the planned city of Chandigarh(Green city), to develop an understanding for the city level landscape planning and hierarchy of open spaces in the city- regional parks, neighborhood parks, cultural centers , green corridors and eco-sensitive areas(Sukhna Choe).</p>	<p>-</p>	<p>To understand and express the distinctive qualities of urban landscape with the analytical content as the main focus for the study Field study for understanding the existing site condition</p> <p>To understand urban open space system of the Chandigarh city with detailed analysis of the selected site and landscape design proposal for the given sites with consideration for the historic planning and development of the city, ecological principles, understanding of the existing urban condition.</p>
<p><b>Semester - 2</b></p> <p><b>1. Policy and Landscape Design Proposals For Open Space Systems of</b></p>	<p>The landscape design studio was focused on application of ecological principles in understanding, analyzing and</p>	<p>Relevant case examples round the world were studied In the case of <i>Shahjahanabad</i>, the open space structure and spaces have</p>	<p>A comprehensive landscape strategy for all opens spaces and system of <i>Shahjahanabad</i>. Detailed designs for interventions in historic open spaces</p>

Shahjahanabad	<p>thereafter, proposing design possibilities for the open spaces of the historic city of <i>Shahjahanabad</i>.</p> <p>The objective was to sensitize students to the real life situations of providing landscape design solution for the outdoor environment and public open spaces systems of a living heritage city which shall involve understanding on contrasting fronts including the strong historical context along with the current socio-cultural requirements. A comprehensive landscape strategy for all these opens spaces and system forms the primary objective of the studio problem.</p>	<p>experienced enormous evolutionary transformations over a long period of time. The greens which existed once as Char-Baghs, are today found as left-over, derelict and forgotten city spaces. The changed modes of transport leading to changing road designs and sections over time also demands thought and attention. It is essential to suggest design measures which may help recover these spaces to become suitable for use by the city-dwellers.</p>	<p>of <i>Shahjahanabad</i> for selected pilot projects linked with Old Delhi Railway Station, Town Hall, Red Fort and Jama Masjid precincts</p>
<p><b>Semester – 3</b></p> <p><b>1. Landscape Design of an Urban Civic Space - Connaught Place (Part)</b></p>	<p>The studio problem encouraged the students to make a comprehensive review of the requirements of an urban public space.</p>	<p>The studio project required the students to list the actual and perceived activities being carried out at the Palika parking and Palika bazar area of Connaught Place. The area plan was updated by observations and measurements at site along with recording of actual</p>	<p>The final stage was to prepare a landscape design concept and a landscape design master plan for the area under study. Attention was given to all major aspects such as vehicular and pedestrian circulation, parking of various kinds of vehicles, storm water drainage system, planting, lighting and</p>



<p><b>2. Landscape Planning and Design for Sustainable Development.</b></p>	<p><b>Objectives:</b></p> <p><b>1.</b> The objective of this short studio exercise was to recognize and understand functional considerations, spatial characteristics, and specific issues concerned with each site</p> <p><b>2.</b> To study the landscape elements in the context of the regional ecology and the ability of the natural bio-geo-chemical cycles to sustain themselves while allowing development, suitable for that area.</p> <p>The work was divided in four stages with the final design to be done individually by each student.</p>	<p>activity patterns at site. The second stage required the students to review and assess the suitability and the necessity of activities being carried out at site.</p> <p>The selected study areas had a predominance of nature including existing vegetation, drainage systems, geological elements, original soils etc. All ecological components system were studied, recorded and analysed to arrive at guidelines for design. The landscape design was done for a few sites which were identified at site, on which students were required to layout and design a small project according to the given brief.</p>	<p>signage.</p> <p>The students were expected to acquaint themselves with the complex relationships, issues and ideas relating to large regional open spaces in suburban/rural locations. The design idea was to assess open spaces, relate them to the existing and original environmental conditions, and identify possibilities related to proposed landscape development of those areas.</p>
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**11. Provide details of the thesis topics researched by the students of the final year class:**

<b>Roll No.</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>
SPA/NS/LA/577	Arijit Swarnakar	Site Planning and Landscape Development Proposal for RGPV University, Bhopal
SPA/NS/LA/578	Ayesha Mathur	Site Planning and Landscape Development of S.O.S. Children's Village, Bhopal
SPA/NS/LA/579	Baitaliki Sarkar	Landscape Revival of Danish Colony along River Hooghly, Serampore, West Bengal
SPA/NS/LA/580	Eby Viswanath Valiyathodi	Site Planning and Landscape Development of Petrochemical R and D Centre, Bangalore
SPA/NS/LA/581	Hema Malini Gowintharaj	Adaptive Reuse of Post Mining Site, Periyathirukonam Limestone Mine, Dalmia Cements, Ariyalur, Tamil Nadu
SPA/NS/LA/582	Induja Shrivastava	Site Planning And Landscape Development Proposal for Maulana Azad National Institute of Technology, Bhopal
SPA/NS/LA/583	Kritika Gaggar	Memorial to the first Ahom King, Siu-Ka-Pha Samannay Kshetra, Jorhat, Assam
SPA/NS/LA/584	Lekshmi Lohithan	Landscape Redevelopment of Avilala Cheruvu, Avilala, Tirupati, Andhra Pradesh
SPA/NS/LA/585	Manish Kumar	Landscape Development Proposal for Flash Wasteland, Case Of BTPP Along River Yamuna, Delhi
SPA/NS/LA/587	Naina Chauhan	Landscape Planning and Development of AIIMS, Bathinda
SPA/NS/LA/588	Sajna C N	Linking Kallayi and Surrounding Neighborhoods with water Edge through Multi Modal Access, Calicut, Kerala
SPA/NS/LA/589	Sakshi Rajput	Greenway Proposal for Hari Nagar, New Delhi
SPA/NS/LA/590	Shende Snehal Vilas	Site Planning And Landscape Development Proposal for AIIMS, Rishikesh, Uttarakhand
SPA/NS/LA/591	Shivanjli Khari	Responsive Revitalization of Open Public Spaces, Okhla Phase-3 and its Precincts
SPA/NS/LA/592	Shubhangi Desai	Transforming The City Center : An Urban Park Proposal in Sector 17, Chandigarh
SPA/NS/LA/593	Sonika Sri	Landscape Development Proposal for District Park, Sector 20, Dwarka, Dwarka

		Greens
SPA/NS/LA/595	Swati Mudgal	Binding Nature to Urban Spur, Ganga Riverfront Development, Kanpur
SPA/NS/LA/596	Tenzing Sherpa	Landscape Development of Chenrezig “Shing Kham Pelling”, West Sikkim
SPA/NS/LA/597	Vibhanshu Kishore	Revitalization Of Cultural Heritage In Lucknow by Adaptive Reuse of Chattarmanjil Complex
SPA/NS/LA/598	Vidhi Agarwal	Riverfront Forest Park Proposal at River Hindon Ghaziabad
SPA/NS/LA/599	Vikas Kumar	Exploring the Potential of Landscape Design and Planning Within the Four Land Uses/Zones of Fort Gwalior

**12. Provide details of the thesis topics being researched by the doctoral students in the Department:**

Year of Enrollment	Name of the Student	Thesis Topic	Name of the Research Supervisor	Remarks if any
None				

**13. Research thrust areas of the Department:**

Landscape architecture

**14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) total grants received.**

Name of the Project and Sponsoring Agency	Name of Team Leader/ Faculty	Thrust Area/ Expected Outcomes	Remarks
Landscape Development of Numaligarh Refinery Township, Numaligarh, Assam.	Prof. Dr. Rommel Mehta	Site Planning and landscape Design of Refinery township in Assam.	Institutional Consultancy
Central Zoo Authority 'To develop Broad Guidelines on Principles of Zoo Designing for Zoos in India'	Prof. Dr. Rommel Mehta	Broad Guidelines on Principles of Zoo Designing Zoos in India	Research Project

C-Hexagon India Gate and Rajpath Lawns	Prof. Dr. Mandeep Singh	Landscape Development Scheme	Institutional Consultancy
Indian oil Corporation R and D Centre, Faridabad	Dr. Aarti Grover	Landscape Development Scheme	Institutional Consultancy
IIT Kanpur	Prof. Dr. Manoj Mathur	Landscape Development Scheme	Institutional Consultancy

**15. Inter-institutional collaborative projects and associated grants received (a) National collaboration (b) International collaboration:**

None

**16. Research facilities or Centre (s) in the Department.**

Name of the Centre of facility	Thrust Area	Expected Outcomes	Total Grant
Department Archive	Cataloguing and organization of all existing Department Students Work (previous 15 Years)	Record of Innovative and Landscape Studio Projects and Research Work Carried out by Students as part of the Academic curriculum	-

**17. Details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty:**

**Grover, A.** (2017) Gender Perception of Safety in Urban Public Spaces: Case of New Delhi, *International Journal of Arts and Sciences*, Vol. 9, No. 4.

**18. Give details of other publications made by regular faculty of the Department of Studies:**

**Surinder Suneja**

- Cultural Landscapes: A Study on Govardhan Parvat and Environs – Book
- Urban Landscape Design – Book

**19. Faculty selected nationally or internationally to visit other laborites or institution or industries in India and Abroad.**

None

**20. Faculty serving in (a) National Committees (b) International Committees (c) Editorial Boards (d) Any other**

**National Committees**

**Rommel Mehta**

- Member of Heritage Conservation Committee, Ministry of Urban Development, Govt. of India
- Member of Expert Committee on Zoo Designing, Central Zoo Authority, Ministry of Environment, Forest and Climate Change

**Aarti Grover**

- Member of Expert Group of Zoo Designing in Central Zoological Authority
- Member of Zoo Advisory Committee of National Zoological Park

**21. Exhibitions, Seminars or workshops organized by the students and faculty of the Department:**

None

**22. Seminars or workshops attended by the faculty of the Department:**

**Aarti Grover**

- Two-day International Conference on Future of Cities in Vigyan Bhawan on 27-28.7.17
- One-day Workshop on P Slums - The Rise of Private Slum Developers in Bangladesh and India: Heroes or Villains? in NCR Planning Building SPA on 20.4.18

**23. Courses and training programs of more than one week attend by the faculty of the department:**

None

**24. Awards or recognitions received at the national and international level by the faculty, and students:**

- **Jury at the Commendation award 1 Competition: ISOLA Idea Design Competition 2017**

**Team Members:** Aakanksha Mehta, Lohita Gupta, Karishma Rai

- Mayukh Raha and Karishma Rai won Shriya Saran Award for Landscape Foundation Design Competition 2017

**25. Internal and external members of the Advisory Committee:**

**Departmental Advisory Committee**

- |   |   |   |
|---|---|---|
| 1. Anuradha Chaturvedi                              | - | Chairperson Head In-charge (Chairman)                           |
| 2. Dr. Mahavir                                      | - | Dean Academics  |
| 3. Dr. Aarti Grover                                 | - | Faculty, Department of LA                                       |
| 4. Satish Khana<br>Senior Landscape Architect       | - | External Expert, Satish Khanna Associate                        |
| 5. Aniket Bhagwat<br>Senior Landscape Architect     | - | External Expert, Former faculty of CEPT<br>University Ahmedabad |
| 6. Dr. Meenakshi Jain<br>Senior Landscape Architect | - | External Expert, Director, SPA Viajywada                        |

**26. Internal and external members of the Departmental Research Committee:**

**Departmental Research Committee**

- |                             |   |   |
|-----------------------------|---|---|
| • Ms. Anuradha Chaturvedi   | - | Chairperson, Head In-charge (Chairman)                            |
| • Prof. Dr. Mahavir         | - | Dean, Academics   |
| • Prof. Dr. Sewa Ram        | - | Coordinator Ph.D. Program   |
| • Prof. Dr. Priyaleen Singh | - | Member  |
| • Dr. Aarti Grover          | - | Special Invitee   |
| • Dr. Abhijit Natu          | - | External Expert,<br>Faculty of BKPS College of Architecture, Pune |
| • Dr. Rajiv Khanna          | - | External Expert,<br>Rajiv Khanna and Landscape Associates         |

**27. Prominent visitors to the Department of studies:**

None

**28. Give details of activities under various MOUs during the reporting year:**

Student exchange and credit transfer for study a semester abroad from Department of Landscape Architecture – Ms. Reshma C. was selected by the Committee.

**29. Details of 'beyond syllabus scholarly activities' of the department**

Students work on Public Open Space System of Shahjahanabad to be exhibited to Residents, Elected Representation, North Delhi Municipal Corporation and Concerned Agencies.

**30. Any other information**

None

# DEPARTMENT OF REGIONAL PLANNING

**1. Name of the Department**

Department of Regional Planning

**2. Names of academic programs offered by the Department**

- Master's with specialization in Regional Planning
- PhD

**3. Year of establishment of the Department**

1958

**4. Faculty profile:**

<b>Name of the Faculty</b>	<b>Educational Qualifications</b>	<b>Designation</b>	<b>Areas of Specialization</b>	<b>Years of Experience</b>
N. Sridharan	M.A. (Economics), MURP, Ph.D. (RMIT-Melbourne, Australia), P.G. Diploma in Town and Country Planning (Poland), P.G. Diploma in Financial Management	Professor Joined as Director, SPA Bhopal on 16 February 2018 for 5 years	Rural Development, Urban Governance, Peri-Urban Development and Corridor Development	34
Vinita Yadav	M.A. (Geography), M. Plan, (U.P.), PhD (JNU), MBA (Financial Management)	Professor and Head of the Department	Governance, Poverty and Development, Institutional Analysis, Participatory and Inclusive Development	18
Chetna Singh	M.A. (Geography) (JNU), M. Plan (R.P.)	Assistant Professor	Regional development, Public Policies in Planning, Peri-Urban Development	6
Kanchan Gandhi	Ph. D in Geography M. Planning (Regional Planning), M.A. (Geography)	Assistant Professor on contract basis	Studio Land Markets and Management Thesis	6

**5. Details of teaching work undertaken by the regular faculty in the Department:**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
N. Sridharan	IV	Thesis (3)*	9
Vinita Yadav	II	Studio	3
	III	Studio	8
	III	Institutional Analysis and Governance	2
	II	Planning for Region	2
	IV	Thesis (2)	6
Chetna Singh	I	Studio	12
	II	Studio	9
	I	Planning Technique	2
	III	Environment and Development	2
	II	District Planning and Rural Development	2
	IV	Thesis (3)**	9

\* guided the students upto 18 February 2018

\*\* guided one of the student from 19 February upto 3 May 2018

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School:**

Name of the Faculty	Subjects (Theory and Studios)	Hours per Week
Chetna Singh	Studio – First Semester	12

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department:**

Name of the Visiting Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
Dr. Akshay Sen	III	Project Planning	2
Amit Bhargava	III	Spatial Data Infrastructure	2
Baneshree Banerjee	II	Land Markets and Management	2
	IV	Thesis	3
Dr. Kanchan Gandhi <sup>^</sup>	II	Land Markets and Management	2
	II	Studio	12
	IV	Thesis	6
Dr. Kanchan Gandhi	III	Studio	9
Dr. Mahendra Sethi	II	Climate Change and its Impact	2
Partha Pratim Nath	IV	Thesis*	3
Dr. Pushpa Pathak	III	Resettlement and Rehabilitation	2.5
Rajeev Malhotra	II	Regional Infrastructure	2
	IV	Thesis*	3



Prof. Dr. RadhaKanta Barik	IV	Politics and Public Policy(IE)	2
Dr. Rumi Aijaz	IV	Thesis	6
Dr. Rumi Aijaz	III	Studio	3
Sanjeev Saxena	III	Legal Issues in Planning and Professional Practice	2
Sunil Kumar Mehra	III	Legal Issues in Planning and Professional Practice	2
Sunil Kumar Mehra	IV	Thesis	6
Dr. Sachin Chowdhry	IV	Politics and Public Policy(IE)	2
Dr. Sandeep Kumar Raut**	IV	Thesis	3
Y. Anuradha	IV	Thesis	6
Y. Anuradha	III	Studio	3

Note: \* Guided the student upto 25 February 2018

\*\* Guided the student from 26 February upto 3 May 2018 (27 hours)

\*\*\* Guided the student from 8 January to 7 February 2018 (12 hours)

^ Contract faculty from 15 February to 31 May 2018

**(b) Details of Special Lectures undertaken in the Department:**

Name of the Expert	Semester	Topics	Dates
Vipin Sharma	II and IV	Experiments with Different Eco Friendly Materials	25 April 2018
Prof. Dr. Atiya Habeeb Kidwai	II and IV	Technical Report Writing	11 April 2018
Prof. Dr. Girish Kumar	II and IV	Approaches to understand Rural Development	21 March 2018
Dr. Arumugam Kalimuthu	II and IV	Water and Sanitation Status in India – Issues, Challenges and Way Forward	14 March 2018
Dr. Kiran Wadhva	II and IV	Economics of Land Markets	7 March 2018
Selvam Velangani Manickam	II and IV	Decentralized Governance: Case Study of Puducherry	28 February 2018
Rakesh Kapoor	II and IV	Skills of Report Writing	11 January 2018
Dr. Ritu Priya	III	Issue of Public Health and Planning	22 November 2017
Dr. P. Jayapal	III	Global trends In Regional Planning	8 November 2017
Dr. V. N. Alok	III	Fiscal Federalism	25 October 2017
Sachin Pant	III	Role of Public Private Partnership (PPP) in Large Scale Infrastructure Projects	13 October 2017
Dr. Awadhendra Sharan	III	Planning, Law and the Urban Environment	27 September 2017
Abha Singhal Joshi	III	Planned Development : Have we done Justice to the constitution	23 August 2017

**8. Department's involvement in interdisciplinary programs in other departments and organizations:**

Chetna Singh was involved in 'Studio' for 12 hours in First Integrated M. Planning Semester and taught course 'Planning for Conservation' for 8 hours in Department of Architecture Conservation.

**9. Semester-wise details of the studio work undertaken by the students :**

<b>Semester/Year</b>	<b>Project Title/Topic</b>	<b>Description</b>
Third Semester, July-December 2017	Pune Metropolitan City Region Plan	The new economic geography, agglomeration, dependency and sustainability theories focus on the issues of Core-Periphery hypothesis, shadow regions and scale jumping. There are limited studies available to substantiate or negate some of these theories in Indian context. Land and Environmental Governance are often in conflict and contested in various forms by various institutions. The studio exercise provides an opportunity to showcase how a growing metropolis can have shadow zones, scale jumping, sustainability and other issues by taking Pune Metropolitan Region as a case study to dwell upon the aspects of Land, Water and Mobility.
Second Semester, January-May 2018	Block and Gram Panchayat Development Plan, Chhaprauli Block, Baghpat District	The studio focuses on planning from below, with Gram Panchayat as the basic unit of planning. Gram Panchayat development plan will thus aim to match peoples' needs and priorities with available resources and additionally mobilise local resources through an inclusive, transparent and participatory process. The focus would be on local development issues, perception of need and priority, analysis of problems and solutions, local resources management all within a collective local vision.

**10. Details of the thesis topics researched by the students of the final year class:**

<b>Roll No.</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>
SPA/NS/RP/1283	Akshay Gaur	Economic Diversification and Regional Development in an Agricultural surplus region.
SPA/NS/RP/1284	Dipu Biswas	Sustainable Economic Urban Fringe Plan for an Internationally Important Trade Center
SPA/NS/RP/1285	Kush Agrawal	Potential for Tourism Development in a Buddhist Region-Case Study of

		Kushinagar
SPA/NS/RP/1286	Nitesh Dogne	Development of a Sustainable Tribal Settlement: A Case Study of Jhabua, Madhya Pradesh
SPA/NS/RP/1287	Priyanka Kureel	Implications of Interlinking of Rivers on Bundelkhand Region Case study of Chhatarpur District.
SPA/NS/RP/1288	Rashmita Priyadarshini	Disaster Resilient Framework for Regional Planning: Jagatsinghpur District Orissa
SPA/NS/RP/1289	Rimjhim Bajpai	Planning Interventions to address industrial Disparity in the State of Madhya Pradesh
SPA/NS/RP/1290	Rohini Neelkantharao Kalambe	Implication of Land Acquisition for Samruddhi Corridor, Vidharbha Region, Maharashtra.
SPA/NS/RP/1247	Sakshi Godara	Impact of SEZ on a Region: Case Study of Mahindra SEZ, Jaipur District, Rajasthan.
SPA/NS/RP/1291	Shalvi Sharma	Sustainable Development Strategies for Sonipat District of NCR
SPA/NS/RP/1292	Sidhwin Hegde	Land Reforms and Regional Development: A Case Study of Karnataka State.
SPA/NS/RP/1294	Sonar Prajakta Tryambak	Change in Agricultural Pattern And Impact On Nashik District.
SPA/NS/RP/1295	Suragoni Naga Manasa	Backward Region Development: Challenges And Prospects of Developing a "Resource Rich Region" in New State Telangana.
SPA/NS/RP/1296	Susum Panggam	Potential for Eco-Tourism Development in Ziro Valley, Arunachal Pradesh
SPA/NS/RP/1297	Ukirde Akshay Babanrao	Inter – Regional Disparities in Kolhapur District.
SPA/NS/RP/1298	Yogesh Bhardwaj	Impact of Industrial Development in a Backward Region: A Case Study of Dhar District

**11. Details of the thesis topics being researched by the doctoral students in the Department:**

<b>Year of Enrollment</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>	<b>Name of the Research Supervisor</b>
2016-17	Shashi Mehta (SPA/NS/PhD/166/2016-17)	Resource Management in Aravalli Region	Prof. Dr. Vinita Yadav

**12. Research thrust areas of the Department:**

- Peri-urban and Rurban development
- Participatory and Inclusive Regional Development
- Integrated Decentralised District Planning
- Smart and Future Regions

- Disaster Resilient Planning Management

**13. Faculty serving in (a) National Committees (b) International Committees (c) Editorial Boards (d) Any other**

**N Sridharan**

- Technical Member, National Committee on the 'Preparation of Land Use Guidelines for Rural Areas', Ministry of Panchayati Raj, Government of India.
- Technical Member, Shyama Prasad Mukherjee Rurban Mission Technical Committee, Ministry of Rural Development, Government of India.
- Technical Member, National Committee on Rural Area Guidelines, Department of Land Records (DOLR), Government of India.
- Chairperson, Educational Standing Committee, Institute of Town Planners' India, New Delhi.
- Vice-President, Regional Science Association of India, Kolkata.
- AICTE appointed Senate Member of School of Planning and Architecture, Vijayawada

**Vinita Yadav**

- Expert Member, Study Group-12: Rural Development Review of the Regional Plan 2021, National Capital Region Planning Board,

**14. Exhibitions, Seminars or workshops organized by the students and faculty of the Department:**

- International Seminar on Smart Sustainable City Regions organized by SPA-Delhi (Department of Urban Design, Department of Regional Planning and Department of Environment Planning) and NTNU, Norway at Institute of Town Planners, India (ITPI), 28 November, 2017.
- Workshop on Smart City under IGSI: Indo-German Smart initiative, German Federal Ministry of Education and Research (BMBF), 12 to 14 July 2017.

**15. Seminars or workshops attended by the faculty of the Department:**

**a. Presentation of Papers**

**Vinita Yadav**

- Lead speaker in Technical Session 12 on Waste Management at International conference on "Liveable Cities: Transforming Sustainability and its Challenges" organized by Shaheed Bhagat Singh College, Delhi University, New Delhi, 6 February 2018.
- Delivered the guest lecture titled 'Significance of Regional Planning in India' at Central University of Haryana, Mahendragarh, Haryana, 5 October 2017.

**Chetna Singh**

- Presented a paper titled “Unequal in the Sugarland – Part 2 – Mukandpur” along with a group of II semester students of Department of Regional Planning at the National Seminar on ‘Poverty and Social Exclusion: A Life Course Perspective’ organised by the Indian Institute of Public Administration, Lokashray Foundation and TERI school of Advanced Studies at IIPA campus, New Delhi, 12 April, 2018.

#### **b. Chairperson and Member of Panels**

##### **Vinita Yadav**

- Chairperson and lead speaker in Technical Session 12 on Waste Management at International conference on “Liveable Cities: Transforming Sustainability and its Challenges” organized by Shaheed Bhagat Singh College, Delhi University, New Delhi, 6 February 2018.

#### **c. Participation Only**

##### **Vinita Yadav**

- Orientation Workshop ‘Development of Emissions Inventory of Various Criteria Pollution for Delhi Region under SAFAR Delhi-2018’ organised by SPA, New Delhi in scientific co-operation with Indian Institute of Tropical Metrology (IITM), Pune, 11 April 2018.
- Annual conference ‘CONNECTKaro’ organized by World Research Institute India's held at Indian Habitat Centre, New Delhi, 6 April 2018
- Lecture on ‘Parliamentary Democracy and it's Challenges Today’ delivered by Shri Pranab Mukherjee, former President of India and presided by Shri N. N. Vohra, Governor of Jammu and Kashmir, organized by Institute of Social Sciences, 23 February 2018.
- Workshop on ‘Value Proposition for Green Affordable Housing’ organized by International Finance Corporation (IFC) and European Union as part of its Eco-cities Programme (co-funded by the European Union) at New Delhi, 20 February 2018.
- Lecture on ‘Disasters, Data and Decisions’ by Dr. Debarati Guha-Sapir, Director of Centre for Research on the Epidemiology of Disasters (CRED) at New Delhi, 19 January 2018.
- Talk on ‘Funding the Arts in South Asia’ by Ms. Feroze Gujral, Founder, Gujral Foundation” delivered in YES Culture Networking India Series and panel discussion on “Producing the Arts Calendar for South Asia” organized by YES Global Institute, 18 January 2018
- CRISIL India Infrastructure Conclave titled 'Financing The Great Indian Build Out' organized by CRISIL Infrastructure Advisory at New Delhi, 26 October 2017.
- Regional Conference titled ‘Peri-Urban Ecosystems for Enhancing Urban Resilience’ organized by Gorakhpur Environmental Action Group (GEAG), Gorakhpur, India Habitat Centre, New Delhi, 18-19 September 2017.
- International conference on ‘Future of Cities: Opportunities and Challenges’, organized by Institute of Town Planners, India (ITPI) held at Vigyan Bhawan, New Delhi, 27 – 28 July 2017.

**16. Internal and external members of the Advisory Committee:**

S. No.	Name of the Member	Affiliation and Address of the Member
<b>Internal Members</b>		
1.	Prof. Dr. Vinita Yadav	Department of Regional Planning, SPA Delhi
2.	Prof. Dr. Mahavir	Dean (Academic) , SPA Delhi
3.	Chetna Singh	Assistant Professor of Regional Planning
<b>External Members</b>		
1.	Dr. I.P. Singh	Associate Professor, Architecture Department, National Institute of Technology Hamirpur-177005 (Himachal Pradesh)
2.	Dr. Rumi Aijaz	Observer Research Foundation (ORF), 20 Rouse Avenue, Institutional Area New Delhi -110002
3.	J.N. Barman	Advisor (Planning), Retired Director (Technical), National Capital Region Planning Board, Core IV-B, First Floor, India Habitat Center, New Delhi

**Internal and external members of the Departmental Research Committee:**

S.No.	Name	Designation	Organization
<b>Internal Faculty</b>			
1.	Prof. Dr. Surinder Suneja	Dean (Academic Affairs)	SPA, Delhi
2.	Prof. Dr. P.S.N. Rao	PhD Coordinator	SPA, Delhi
3.	Prof. Dr. Vinita Yadav	Member	SPA, Delhi
<b>External Faculty</b>			
1.	Prof. Shrawan Acharya	Member	Center for the study of Regional Development, J.N.U, New Delhi
2.	Prof. Binayak Choudhary	Member	Dean (Research) and Professor, Planning School of Planning and Architecture Neelbad Road, Bhauri, Bhopal - 462030, Madhya Pradesh (M.P.)

**17. Any other information:**

Vinita Yadav evaluated and attended viva voce of PhD thesis of Sumit Kumar titled 'Dimensions of Development and Levels of 'Inclusion' of Social Groups in the Post-Reform Period in India: A Regional Analysis' on 27 April 2018.

# DEPARTMENT OF TRANSPORT PLANNING

**1. Name of the Department**

Department of Transport Planning

**2. Names of academic programs offered by the Department**

- Masters with specialization in Transport Planning
- PhD

**3. Year of establishment of the Department**

1969

**4. Faculty profile:**

<b>Name of the Faculty</b>	<b>Educational Qualifications</b>	<b>Designation</b>	<b>Areas of Specialization</b>	<b>Number of Years of Experience</b>
Sanjay Gupta	M.Sc., Master of Planning with specialization in Transport Planning, PhD	Professor and Head	Public Transport Freight Logistics, Transport Policy, Travel Behaviour, Transport Modelling and Planning	32
P.K. Sarkar	B.E. (Civil), PG Diploma in T and CP (TTP), M.Sc. Transport Engineering (U.K.), PhD	Professor of Transport Planning  Retired from services on 30 November 2018	Transportation Planning Modelling, Traffic Engineering, Road Safety, Intelligent Transport System, Transport Policy	40
Vinay Maitri	M.Sc., PhD, FCILT	Dean (Students Affairs) from March 2018; Professor of Programming; Controller of Examination up to Jan 2018; Head CASS/GIS/RS up to Dec 2017	Quantitative Techniques, Statistics, OR Application in Transport, Transport Economics, Intelligent Transport System	41



Sewa Ram	B.Tech. (Civil) IIT Delhi, M. Planning (Transport), PhD	Professor of Transport Planning	Transport Infrastructure Design, Traffic Engineering Geometric Design, Capacity of Roads and Intersections	28
Bhaskar Gowd Sudagani	B.Tech Civil, M. Plan Transport Planning	Assistant Professor	Engineering Economics, High Planning and Design, and Urban Transport	11
Ammu G.	B. Tech Civil, M.Plan Transport Ph.D.	Assistant Professor (contract faculty)	Traffic Engineering, Road Safety, and Transport Plans	2

**5. Details of teaching work undertaken by the regular faculty in the Department:**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
Sanjay Gupta	II	Public Transport Planning	2
	II	Studio	3
	III	Logistics and Distribution Management	2
	III	Public Transport and City Development	2
	III	Studio (Planning stream)	4
	IV	Transport policy, Legislation and Institutional framework	2
	IV	Thesis Guidance	3
			Ph.D Research Guidance
P.K. Sarkar	II	Analytical Transport Planning	2
	IV	Intelligent Transport System	1
	III	Design Studio	3
Vinay Maitri	I	Planning and Design Studio	3
	II	Transport Economics	2
	II	Studio	7
	III	Intelligent Transport System	1
	IV	Thesis	3
Sewa Ram	II	Road Safety and Environment	2
		Traffic Engineering	2
		Design Studio	4
	III	Transport Infrastructure Design	2
		Traffic Engineering	1
		Design Studio (Engineering)	6
	IV	Thesis Guidance	2
	IV	Universal Accessibility ( Institutional elective)	2



		Ph.D Research Guidance	
Bhaskar Gowd Sudagani	III	Planning and Design Studio (Economics and Management)	7
	III	Engineering Economics	2
	II	Highway Planning and Design.	2
	II	Urban Transport Planning	2
	II	Planning and Design Studio (Transport Plan)	10
	IV	Thesis Guidance	4
Ammu G.	II	Studio	4
	IV	Thesis Guidance	12

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School:**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours/Week
Sanjay Gupta	VIII Sem Physical Planning Deptt	Thesis Guidance	3
	I sem Int. program	Design Studio	2
	Institute Elective	Public transport and city development	2
P.K. Sarkar	I sem Int. program	Design Studio	2
Sewa Ram	B. Planning	Thesis Guidance	4
	I Sem Integrated program	Infrastructure and Transport subject	1
	III UP Deptt	Transport Infrastructure	8 hr/ sem
	I sem Int. program	Design Studio	3
	Institute Elective	Transport Infrastructure Design	2
Bhaskar Gowd Sudagani	I Sem Integrated program	Infrastructure and Transport subject	1
	I sem Int. program	Design Studio	6

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department:**

Name of the Visiting Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
Sairam Dasari	II	Lecture	2
Vaishali	II	Studio	3
Dr. P R Lakshmikanthan	III	Lecture	1
Sairam Dasari	III	Lecture	1
Vaishali	III	Studio	3
Vaishali	IV	Thesis	6
Y. P. Sachdeva	IV	Thesis	3
Ashok Bhattacharya	IV	Thesis	3
Aditi Mitra	IV	Thesis	3

Laghu Parashar	IV	Thesis	3
Prof. Dr. P.K. Sarkar	IV	Thesis	3

**(b) Details of special lectures undertaken in the Department:**

Name of the Expert	Semester	Topic	Date
Prof. N. Ranganathan	II	Multimodal Transport Interchange	?
Prof. N. Ranganathan	IV	Unified Metropolitan Transport Authority (UMTA)	?
Krishna Kumar	III	ITS- yesterday, today and tomorrow	?
PTV Group	III	5 days Training program on PTV-VISSIM and PTV-VISUM	?

**8. Department's involvement in interdisciplinary programs in other departments and organizations:**

1.	Sanjay Gupta	First Semester Planning	Thesis Guidance and Studio Guidance
2.	P.K. Sarkar	Associated in the Physical Planning and First Semester Planning	Thesis Guidance and Studio Guidance
3.	Vinay Maitri	First Semester Planning	Thesis Guidance and Studio Guidance
4.	Sewa Ram	Associated in the first Semester Planning. Planning and Urban Planning	Studio and Lecture and Thesis Guidance
5.	Bhaskar Gowd Sudagani	Associated in the first Semester	Studio

**9. Semester-wise details of the studio work undertaken by the students:**

Semester/Year	Project Title/Topic	Description
Second Semester	Preparation of Comprehensive Mobility Plan for Vadodara, Gujarat	Vadodara, economic capital of Gujarat with an area of 158 sq km was taken up for preparation of Mobility plan. A number of transportation studies were carried out to estimate the base and future year travel demand. Four stage transport models were developed as part of this exercise to estimate the travel demand. The future total transport demand was assigned on the best alternative network to ensure safe and efficient movement of traffic. High demand of travel necessitated the

		formulation of transport proposals such as MRTS along with the integration of non-motorized transport.
Third Semester Studio – 1 (Planning Group)	Urban Freight Mobility Plan for Udaipur, Rajasthan (2027)	The aim of the project was to prepare a freight mobility plan for city of Udaipur. Detailed primary surveys as well as secondary surveys were conducted in the city and four-stage modelling was done for base year. Key performance Indicators, in terms of freight transport efficiency, handling facility efficiency, energy consumption and environmental impact were evaluated. Intra-city and regional freight demand was estimated for 10 years, using generation rates and econometric model respectively. Alternative improvement Scenario which incorporated the proposals like dedicated freight corridors, location of new transport nagars, freight consolidation centers, transport management and ITS applications was evaluated with BAU scenario to recommend planning proposals.
Third Semester Studio – 1 (Design Group)	Urban Road Design Improvement and Safety Plan for Udaipur, Rajasthan	The Studio exercise involved identification of accident prone locations in Udaipur from secondary sources and study area zones were created with respect to similarity in size and well-maintained hierarchy of road network. Detailed Primary and Secondary studies were conducted at various locations in the city. Data structuring involved Indexing of all the Road Safety Attributes and approaching a scoring parameter for the identified intersections and corridors. Problems were identified, which were addressed by the improvements in geometry, improvements in signage and markings, Traffic Management improvements through design, Speed calming measures at peri-urban and rural areas.
Third Semester Studio – 1 (Management Group)	Corridor Improvement Plan for Ring Road Of Udaipur, Rajasthan	The aim of the study was to prepare a “Corridor Improvement Plan for the ring road of Udaipur” and included the analysis of the existing traffic and network characteristics of the corridor. For this, primary and secondary surveys were done in the city. Subsequently the data was analysed to identify existing issues in traffic flow and operation. Software

		packages were used to evaluate the junction capacities and identify the degree of saturation and Level of services. Finally, solutions to the issues were identified and formulated as an improvement plan of the corridor.
Third Semester Studio – 2 (Planning Group)	Integrated Public Transport Plan for Noida, Uttar Pradesh (2027)	The project aim was to develop an integrated Public Transport Plan for NOIDA. Detailed primary surveys as well as secondary surveys were conducted in the city. Mathematical models based on population density and public transport accessibility and ridership were created for Bus and IPT systems. Key Performance Indicators, in terms of physical, operational and environmental parameters, associated with public transport, were evaluated. Estimations were done for density and ridership for next 10 years using land-use phasing. Alternative improvement Scenario which incorporated the proposals like truncation and extension of bus-routes, location of bus depots, integration of IPT and ITS applications were developed and evaluated with BAU scenario to recommend planning proposals.
Third Semester Studio – 2 (Design Group)	Design of External Transit and Ground-Based Connectivity From IGI Airport to Proposed Jewar Airport	The aim of this study was to design an external transit and ground-based connectivity between IGI airport and proposed Jewar airport and included a comparative analysis of the proposed transit and road connectivity options being done on the basis of different parameters like travel time, travel distance, safety, comfort etc. The best possible high-speed corridor option for connectivity to the Jewar airport option was worked out with detailed alignment design and construction cost.
Third Semester Studio – 2 (Management Group)	Traffic Management Plan for Walled City of Udaipur (Rajasthan)	The aim of the study was to prepare a “Traffic Management Plan for the Walled City of Udaipur”. For this, detailed primary and secondary data were collected and parking demand-supply characteristics were evaluated. The walled city was further delineated in 4 zones, and the demand-supply gap for each zone was estimated. The on-street and off-street parking characteristics were analysed and the proposals were drafted accordingly

		keeping in view the circulation pattern within the walled city combined with parking proposals
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**10. Details of the thesis topics researched by the students of the final year class:**

<b>Roll No.</b>	<b>Name of the Students</b>	<b>Thesis Topic</b>	<b>Thesis Guide</b>
SPA/NS/TP/584	Alvin Ck	User perception based LOS at intersection	Prof. Sewa Ram
SPA/NS/TP/585	Anjali Goyal	Guidelines for location and design of Bus Stops	Prof. Sewa Ram
SPA/NS/TP/586	Arkadeep Halder	Lane changing behavior at weaving section and its impact on road safety	Prof. Sewa Ram
SPA/NS/TP/587	Garima	Impact of e-commerce demand on distribution logistics	Prof. Sanjay Gupta
SPA/NS/TP/588	Kushagra Sinha	Climate Change Mitigation in Urban Transport Sector	Prof. Sanjay Gupta
SPA/NS/TP/589	Madhur Kukreja	Potential of electric mobility for green mobility environment in India	Prof. Sanjay Gupta
SPA/NS/TP/590	Manish Kumar Roy	Impact of shared mobility services on travel pattern	Prof. Sanjay Gupta
SPA/NS/TP/591	Mohd Wasey Khan	Planning for NMT in metro city of Lucknow	Bhaskar Gowd
SPA/NS/TP/593	Naman Awadhiya	Revitalization strategies for ring railway system in Delhi	Prof. Sanjay Gupta
SPA/NS/TP/594	Neba C Tony	Potential of regional freight movement along national waterways	Bhaskar Gowd / Prof. Sewa Ram
SPA/NS/TP/595	Pankaj Kumar	Speed zoning system for traffic management in urban areas	Prof. Sewa Ram
SPA/NS/TP/596	Parmar Prashant Jayantibhai	Potential of Rho-Rho ferry service in intercity transport, Gujarat.	Prof. Vinay Maitri
SPA/NS/TP/597	Pooja Ratnu	Rational development for public transport systems	Prof. Dr. Sanjay Gupta/ Prof. Vinay Maitri
SPA/NS/TP/599	Shreya Kaul	Railway station redevelopment on transport network of Gwalior	Prof. Sewa Ram
SPA/NS/TP/600	Shubham Arora	Benchmarking urban freight transport in India	Prof. Sanjay Gupta
SPA/NS/TP/601	Subodh Shukla	Sustainable strategies for freight management in metro city of Kanpur	Prof. Sanjay Gupta
SPA/NS/TP/603	Velaga Naveena	Value of travel time assessment for Indian cities	Bhaskar Gowd
SPA/NS/TP/604	Vijay	Role of auto rickshaws in urban mobility	Bhaskar Gowd
SPA/NS/TP/605	Waghwase Akash Amul	Potential of ITS in Freight operations in Wadala complex. Mumbai	Prof. Vinay Maitri

**11. Details of the thesis topics being researched by the doctoral students in the Department:**

<b>Name of the Applicant</b>	<b>Name of the Guide</b>	<b>Year of Enrolment</b>	<b>Title of the Thesis</b>	<b>Research Status</b>
Amit Arora (PT)	Prof. Dr. Sanjay Gupta	2010-11	The impact of socio economic and built environment characteristics on travel behavior in residential neighbourhoods	<ul style="list-style-type: none"> <li>• Awaiting Ph.D defense examination</li> </ul>
Anjali Goyal (PT)	Prof. Dr. P. K. Sarkar	2012-13	A new investment model for high speed rail in India	<ul style="list-style-type: none"> <li>• Report Writing in progress</li> </ul>
Bhaskar Gowd Sudagani (PT)	Prof. Dr. Sewa Ram Prof. Dr. P. K. Sarkar (co-guide)	2013-14	Gap acceptance behavior of drivers at roundabouts in urban areas and its effect on capacity	<ul style="list-style-type: none"> <li>• Advanced stage of research</li> </ul>
Chidambara (PT)	Prof. Dr. Sanjay Gupta	2014-15	A comprehensive approach to last mile connectivity for public transport system	<ul style="list-style-type: none"> <li>• Report Writing in progress</li> </ul>
Farhat Azad (PT)	Prof. Dr. Sewa Ram	2014-15	Assessment of impact of freight traffic on road safety in NCR, Delhi	<ul style="list-style-type: none"> <li>• Research in Progress</li> </ul>
Swarup Mukherjee (PT)	Prof. Dr. Sanjay Gupta	2016-17	A rational approach in urban Transport Investment Policy in India	<ul style="list-style-type: none"> <li>• Research in Progress</li> </ul>
Laghu Parashar (PT)	Prof. Dr. Sanjay Gupta	2017-18	Sustainable Public Private Partnership Framework for city bus operation	<ul style="list-style-type: none"> <li>• Research in Progress</li> </ul>
Vaishali Gijre (PT)	Prof. Dr. Sanjay Gupta	2017-18	Urban transport Institutional frame work for smart cities of India	<ul style="list-style-type: none"> <li>• Research in Progress</li> </ul>
Pankaj Kant (FT)	Prof. Dr. Sanjay Gupta	2017-18	Sustainable urban freight distribution system for Indian cities	<ul style="list-style-type: none"> <li>• Research in Progress</li> </ul>
Sujeet Kumar Modi (PT)	Prof. Dr. Sewa Ram	2017-18	Development of probabilistic model leading to star rating of highway /urban Arterial Road	<ul style="list-style-type: none"> <li>• Research in Progress</li> </ul>
Amal Jose (FT)	Prof. Dr. Sewa Ram	2017-18	Benchmarking of Accessibility to	<ul style="list-style-type: none"> <li>• Research in Progress</li> </ul>



			Airports with respect to travel time reliability	
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**12. Research thrust areas of the Department:**

- Public Transport Planning
- Sustainable Transport System Planning
- Land use Transport Planning and modelling
- Climate change and urban transport
- Urban Freight Logistics
- Road safety and environment

**13. Completed or ongoing research projects in the Department:**

<b>Name of the Project and Sponsoring Agency</b>	<b>Name of Team Leader/ Faculty</b>	<b>Thrust Area/ Expected Outcomes</b>	<b>Total Grant/ Fee (Rs. in Lakhs)</b>
Indo-Highway Capacity Manual, CSIR – CRRI	Prof. Dr. P.K Sarkar Prof. Dr. Sewa Ram Prof Dr. Sanjay Gupta Mr. Bhaskar Gowd Sudagani	Capacity Standards for Urban Roads, Roundabout and pedestrian facilities.	100 (completed)
CLIMATRANS, Institute of Transport Economics, Norwegian Centre for Transport Research	Prof. Dr. Sanjay Gupta (coordinator) Mr. Pintu Saini (Research Associate)	Coping with climate: assessing policies for climate change and its adoption in transport sector mitigation in Indian cities.	60 (advanced stages of completion)
Under Reform ICSSR-ESRC (U.K.) joint research project, sponsored by ICSSR	Prof Dr. Sanjay Gupta (SPA Delhi), Prof Greg Marsden Leeds University, U.K.	Governance of Transport sector in Smart cities of India	12.99 (initiated in May 2018)

**14. Details of consultancy projects undertaken by Department:**

<b>Name of the Project and Sponsoring Agency</b>	<b>Name of Team Leader/Faculty</b>	<b>Thrust Area/Expected Outcomes</b>	<b>Total Grant/Fee (Rs. in Lakhs)</b>
Comprehensive Mobility Plan for Gurugram Metropolitan Development Area, GMDA	Prof. Dr. Sanjay Gupta Prof. Dr Sewa Ram	Transport Infrastructure Plan including short, medium and long term improvement measures	32.4 (MoU signed in June 2018)



**15. Details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty:**

**Sanjay Gupta**

Publications in peer reviewed journals

- “Planning for Inclusive Mobility of Urban Poor in Kolkata”, published in *RCUES journal*, All India Institute of Local Self Government (AIIILSG), Vol. 11 No.1, Jan. – March 2018 issue, pp. 21-27 (Joint Author)
- Effect of Walkability on Users Choice of ‘Walking’ the Last Mile to Transit Stations: A Case of Delhi Metro”, published in *Urban Studies and Public Administration*, Vol. 1 No.1, 2018 (Joint Author)

**Report**

- Indo HCM 2017 Report Chapter on Roundabout, February 2018, CRRI Delhi

**Sewa Ram**

Publication in peer reviewed journals

- Ammu G., Sewa Ram and Sarkar, P K. Quantitative approach to determine Pedestrian delay and Level of Service at signalized Intersection. *International journal of Students’ Research in Technology and Management*, Vol. 7, No.1, 2018, pp. 06-13, eISSN:2321-2543
- Jose, A. and Sewa Ram. Benchmarking of Accessibility and Connectivity of Indian Airports, *International Journal of Students’ Research in Technology and Management*, Vol. 7, No.1, 2018, pp. 18-29, eISSN:2321-2543

**Book Chapters**

- Indo HCM 2017 Chapters on Roundabout, February 2018, CRRI Delhi

**Mr. Bhaskar Gowd Sudagani**

**Book Chapters**

- Indo HCM 2017 Chapters on Roundabout, February 2018, CRRI Delhi

**16. Details of other publications made by regular faculty of the Department**

**Sanjay Gupta**

- Transit Oriented Development- Concept and Practices, published in All India Seminar proceedings on Transit Oriented Development, organized by Institution of Engineers, Hyderabad

- Goods Movement Pattern and Planning Imperatives for Goods Distribution in Gangtok, published in proceedings of seminar on Transportation Solutions for Hilly Regions, 20th and 21st November, 2017
- Planning Strategies for Traffic Decongestion in Hill City: A Case Study of Shillong in Meghalaya, published in proceedings of seminar on Transportation Solutions for Hilly Regions, 20th and 21st November, 2017 (jointly written)

**17. Faculty serving in (a) National Committees (b) International Committees (c) Editorial Boards (d) Any other**

**Sanjay Gupta**

**(a) National Committee**

- Leader, Task Force on Intelligent Transport System (ITS) Capacity building and Training needs in India, set up as part of National ITS Policy Development for India, Niti Aayog, Government of India (May 2018 till date)
- Member, Expert Appraisal Committee (EAC) – Infra II, Ministry of Environment, Forest and Climate Change, GOI
- Member, State Level Expert Appraisal Committee (SEAC), Department of Environment, Govt. of Delhi NCT
- Expert member, Parking Policy for Maharashtra, Directorate of Town Planning, Govt. of Maharashtra
- Member, Evaluation Committee, Institute of Town Planners, India
- Member, Advisory Committee for International Design of Railway Stations, IRSCDC, Delhi
- Member, Advisory Committee, M. Planning, SPA Vijaywada

**(b) 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, Technical Paper Reviewer Committee of Transportation Research Board 2018, Washington

**(c) Editorial Boards**

- Chairman, Publication Committee, Institute of Urban Transport (I)
- Member, Editorial Board of Spatio-Economic Development Record (I)
- Member, SPACE journal, School of Planning and Architecture, Delhi

**(d) Any other (please specify):**

### **Other Committees**

- Member, Evaluation Committee, Institute of Town Planners, India
- Member, Advisory Committee for International Design of Railway Station, IRSCDC, Delhi
- Member, Advisory Committee, M. Planning, SPA Vijaywada
- Expert Member, PG course Development Committee on Transportation Planning and Logistics, SPA Bhopal

### **Professional Bodies**

- Fellow Member, Institute of Town Planner, India
- Member, Institute of Transportation Engineers Inc. (U.S.)
- Member, World Conference on Transport Research Society (WCTRS)
- Member, Transportation Planning Society (U.K.)
- Member, International Association of Travel Behavior Research (IATBR)
- Member, World Society for Transport and Land Use Research (WSTLUR)
- Life Member, Institute of Urban Transport (India)
- Life Member, Transport Research Group (India)
- Member, Chartered Institute of Logistics and Transport (India)
- Life Member, Indian Roads Congress (IRC)
- Life Member, Institute of Rail Transport, India
- Member, Research Board, Institute of Urban Transport (India)
- Life Member, Association for Transport Development, India
- Member, Indian Institute of Public Administration (IIPA)
- Member, Indian Institute of Remote Sensing (IIRS)

### **Sewa Ram**

#### **(b) National Committees**

- Chairman, Subcommittee for Preparation of “Guidelines for Roundabout - IRC 65 2017 – and key member for the preparation of guidelines – IRC MORTH 2014-2017
- Chairman, Subcommittee for the preparation of Preparation of Guidelines for interchange in urban area –IRC92, 2014-2017.
- Member, H8 Committee IRC for Preparation of draft on urban road manual– MORTH 2014-2017
- Member of the regional coordination team for Preparation of Indo- HCM 2017 – research and developing of capacity and level of service of roundabout 2012-2017 CSIR-CRRI.
- Expert member on the Preparation of document for Bus Transport in Delhi by the Government of Delhi 2017
- Member for Preparation of document of course material on introduction to traffic engineering and advance traffic engineering for Indian academy of highway engineers (IAHE) for Certified road safety auditor course -- IAHE, International road federation (IRF) and Australian road research board (ARRB) 2016-2018
- Member for Preparation and developing of modules of traffic engineering for Training manual for training on road safety of key person, Engineers—Asian Institute of Transport Development (AITD) January 2018

## **Vinay Maitri**

### **(a) National Committee**

- Member in Technical committee for Delhi Traffic Police for the purchase/ procurement
- Member of technical committee for “ITS Master Plan for Hyderabad Metropolitan Area and ITS for Outer Ring Road of Hyderabad for Hyderabad Metropolitan Development Authority.
- Member, Urban Roads, Streets and Transport Committee (H-8), Indian Roads Congress.
- Member, Intelligent Transport Systems Sectional Committee, TED 28” of Bureau of Indian Standards.
- Member, Smart Cities Sectional Committee, CED 59” of Bureau of Indian Standards.

### **(b) Any Other**

- Member, Advisory Council of IEC College of Eng. and Tech., Greater Noida.
- Member executive committee of Institute of Urban Transport, India.
- Fellow member of Chartered Institute of Transport London, U.K.
- Member Senate of SPA

## **Bhaskar Gowd Sudagani**

### **(a) National Committee**

- Member of the regional coordination team for Preparation of Indo- HCM 2017 – research and developing of capacity and level of service of roundabout 2012-2017 CSIR-CRRI.

## **18. Exhibitions, Seminars or workshops organized by the students and faculty of the Department**

### **Sanjay Gupta**

- Organized Workshop on “Indo- Norwegian joint research project on CLIMATRANS” Institute of Town Planners, 1<sup>st</sup> April 2017, Delhi
- Organized Workshop on ‘Indo- Norwegian joint research project on CLIMATRANS - final dissemination workshop” at India International Centre Annex, 24 Oct 2017, Delhi
- Organized five-day Training program on PTV-VISSIM and PTV-VISUM, Transport Planning Department, SPA Delhi

## **19. Seminars or workshops attended by the faculty of the Department:**

### **International**

### **Sanjay Gupta**

## **International Conferences/Workshops/Seminars attended (Held outside India)**

- Invited expert panelist at UNESCAP Capacity Building Workshop on Sustainable Urban Transport Index (SUTI) in Colombo from 30<sup>th</sup> to 31<sup>st</sup> October 2017
- Participated in the International Conference in Delhi organized by ITPI on “Future of Cities: Opportunities and Challenges”, 27<sup>th</sup> and 28<sup>th</sup> July, 2017, Vigyan Bhavan, Delhi

## **Presentation of Papers (International)**

- Productivity of Railway Stations: Case Study - New Delhi Railway Station, Transport Research Arena 2018, Vienna April 16 2018 to Thursday, April 19 2018 (Joint author)
- Influence of Built Environment On Mobility Patterns in 2 Residential Neighborhoods- A Case Study in Delhi, India, TRB 2018, Washington, U.S (Joint Poster)
- Role of taxis in urban mobility of metropolitan environment: Case of Delhi and Ahmedabad, India, CODATU, 5<sup>th</sup> Nov 2017, Hyderabad (Joint author)
- E- Commerce and its impact on travel behavior of shoppers in two metropolitan cities of India, CODATU, 5<sup>th</sup> Nov. 2017, Hyderabad (Joint author)

## **National Conferences/Seminars/Workshops**

### **Presentation of Papers**

- Pedestrian Environment Influence on Walk as a Choice for Last Mile Connectivity (LMC) to Transit Stations: A Case of Delhi Metro, 2017 UMI Conference, Hyderabad (Joint Author)
- Electric Mobility in India: Potential and Policy Imperatives, International Conference on Recent Advances on Transport Infrastructure 2018, MANIT Bhopal (Joint Author)

### **Chairperson / Member of Panel**

- Chairman of jury for selection of student's member for Associateship Examination, 2018 of ITPI, 17<sup>th</sup> March 2018
- Chairman, Technical session in National workshop on “Megacity Logistics: Metric, Tools and Measures for Sustainability (MEGALOG)”, The World Bank, CSIR-CRRI, New Delhi

### **Participation Only**

- CLIMATRANS Research Project meeting at Oslo, Norway from 1<sup>st</sup> July, 2017 to 9<sup>th</sup> July, 2017.
- Stakeholder meeting at Nagpur of parking norms Committee as expert Committee member, Government of Maharashtra, 23<sup>rd</sup> February, 2018, Nagpur.
- REG-ICELI Conference on “Peri-Urban for Urban Resilience”, at IHC Delhi, September 18-19, 2017. SPA Delhi.

- National Conference on Sustainable Development of Smart Cities, 22-23 September 2017, Speaker III Smart mobility in Context of Smart Cities.
- Smart Mobility Conference, FICCI, 20 November 2017-, New Delhi
- E-Mobility and Charging Infrastructure” on December 11-12, 2017, at Le Meridian, New Delhi.
- Participated in Stakeholder Discussion on India Urban Mobility Study organized by World Bank in association with the Ministry of Housing and Urban Affairs, on March 16, 2018, Delhi
- ‘Bus Karo’ Workshop on ‘Strategizing Electric Bus Operations in India’ organized by WRI, New Delhi on 4-6 April, 2018.
- Curtain Raising Ceremony of AIIB Annual Meeting on Tuesday, 27 February 2018 at Pravasi Bharatiya Kendra, Chanakyapuri, New Delhi.
- India-Japan Workshop on Disaster Risk Reduction on 19-20 March 2018, Delhi organized by NDMA.

### **Invited Panelists/Experts/Jury Member**

#### **International**

- Panelist at UNESCAP workshop on Sustainable Urban Transport Index, Colombo, Sri Lanka, 30-31 October 2017
- PhD Examiner Jury Member, Curtin University, Australia

#### **National**

- PhD Examination Jury Member on the PhD thesis entitled “Travel Demand Forecasting Model based on Fuel and energy Consumption: A Case History of Shiraz City’. submitted by Mr. Ali Hakimelahi, Civil Engineering Department, IIT Mumbai, Aug 2017
- PhD Examination jury member, CEPT University, Dec 2017
- Masters thesis jury examiner, CR State University, Murthal, May 2018
- Panelist in the Social Innovation Conclave on “The Future of Transportation “organized by Business Today – Hitachi India, 24 August 2017, Bangalore
- Panelist on CII - IREE Round Table on Smart Urban Mobility, October 2017: Hall No - 12, Pragati Maidan, New Delhi
- Expert reviewer for Research titled " Smart Growth and Transit Oriented Development - Financing and Execution Challenges in India" undertaken by University of Hyderabad HUDCO Chair, HMSI, Delhi
- Member, Technical paper reviewer committee, Transportation Research Board 2018, Washington
- Panelist in technical session in National Workshop on “Megacity Logistics: Metric, Tools and Measures for Sustainability (MEGALOG)”, The World Bank, CSIR-CRRI, New Delhi 12-13<sup>th</sup> Dec 2017
- Expert panelist in Seminar on ‘Emerging Urban Narrative’ organized by Research and Information System for Developing Countries (RIS), in association with the National Institute for Urban Affairs (NIUA) on 2nd June 2018 at India Habitat Centre, New Delhi
- Expert panelist to deliberate on issue related to ‘Metro Railway and Rapid Transport’ on 9<sup>th</sup> January 2018 at India Habitat Centre organized by Research and Information System for Developing Countries (RIS)



- Invited panelist for finalizing “Concept Note and the Agenda” for the ‘High Level Roundtable on Infrastructure Financing’ held on 27 February 2018, Pravasi Bhartiya Kendra (PBK) organized by Research and Information System for Developing Countries (RIS)
- Expert Panelist on “Technological Options for Sustainable Future Urban Mobility “as part of “Mass Rapid Transport Systems for Urban areas: Opportunities and Challenge, at Taj Bengal (Kolkata) on March, 13<sup>th</sup> 2018, Kolkata organized by Research and Information System for Developing Countries (RIS) and ASSOCHAM.
- Expert Panelist at the Session on “Future of Mobility and Multi-modal Transportation”, as part of “Futuristic, Resilient and Digital Infrastructure ‘held on 3rd May 2018, Bangalore organized by Research and Information System for Developing Countries (RIS) and CII.
- Expert Panelist on “Transit Oriented Development” as part of RICS SBE TOD Panel discussion on 26<sup>th</sup> April, IIC Annex, Delhi
- Expert panelist in the first “India-Japan Workshop on Disaster Risk Reduction” organized by The Ministry of Home Affairs, Government of India, 19<sup>th</sup> – 20<sup>th</sup> March 2018 at Vigyan Bhawan, New Delhi

### **Lecture Talks and Presentations**

- Delivered a talk as key speaker on “Sustainable Urban mobility” at Awareness and Capacity Building Workshop on ‘Advancing Sustainable Development Goals: Role of STI’ held at India International Centre in New Delhi on July 27-28, 2017.
- Delivered a lecture to North East Police Academy officers on 28th Aug 2017 Monday at 12:00 noon at NEPA complex, Shillong. on “Importance of Transport Planning”
- Delivered a lecture talk on “People’s Participation and Transportation issues for plan implementation’, at interactive Workshop on “People’s Participation for Plan Implementation” on 22<sup>nd</sup> November, 2017, ITPI Delhi
- Delivered lecture talk on ITS application in Road Safety to Police and Transport Officers of various States within India. As part of training programme on Road Accident Investigation” organized by IRTE, Faridabad, 15th March 2018
- Delivered lecture talk on “Transport Planning Imperatives for Police Officers” for IPS probationer officers of the 69 RR (2016 Batch) conducted at IRTE’s College of Traffic Management on 7 and 8 April 2017.

### **Sewa Ram**

#### **Lecture Talks and Presentations**

- Delivered lecture talk on ‘Solutions to traffic and transportation problems of Gurugram’, organized by The Gurugram Story and WRI India Ross Centre, on July 22, 2017.
- Delivered lecture talk on ‘Technology Needs Assessment’ organized by TIFAC in Dehradun on December 18, 2017.
- Delivered lecture talk on “Principles of Traffic Engineering (with respect to Signs and Markings)” organized by IRTE’s College of Traffic Management on September 16, 2017.

- Delivered lecture talk on “Planning and Design of Urban Roads and Streets”, National Workshop held at IHC, New Delhi on 7-8 October 2017.
- Delivered lecture talk on “Road Safety Audit and other related areas”, to engineers from Tanzania organized by IRTE’s College of Traffic Management, on November 20, 2017.
- Delivered lecture talk on “Road Safety Audit “workshop program organized by Almondz Global Infra-Consultant Ltd on 8th and 9th December 2017.
- Delivered lecture talk on “Safety in Road Design: Links and Intersections” organized by Asian Institute of Transport Development (AITD) in Dwarka, New Delhi on April 23, 2018.
- Delivered lecture talk “Service quality for Pedestrians along and across the Roads, Transport Infrastructure Designs for Universal Accessibility for Differently Abled Persons and Travel Characteristics and Safe Transportation System Designs for School Children “, VRU Conference at on November 9, 2017, organised by IRTE.
- Delivered lecture talk on “Management on Simple Applications of Traffic Engineering “at the programme organized by IRTE’s College of Traffic Management, Haridwar, 2018.
- Delivered lecture talk on “Basics of Traffic Engineering and Speed Analysis and Management “organized by IRTE’s College of Traffic Management, Vijaywada on February 27, 2018.
- Delivered lecture talk on “Safety Aspects in Junction Design and Traffic Calming and Control Devices” as part of Training on Designing for Safety Road Link Design in Vadodara in September 2017.
- Delivered Capacity Building talk, World Bank, PWD Gujarat, Surat and Vadodara on Safe road designs, 18 August 2018

### **Vinay Maitri**

- Workshop on “Intelligent Transport System” at Manak Bhawan, BIS, New Delhi on 20th July 2017
- “Adobe Education Leaders Seminar 2017” on 28th to 30th June 2017 at Hyatt Regency, Hua Hin, Thailand, organized by Adobe.
- Training Programme /Module for DASA, 2017 From 7th - 8th July, 2017 at VNIT, Nagpur
- “National Convention on Digital Initiative” on 09th July 2017 at Vigyan Bhawan, New Delhi, organized by MHRD.
- Workshop on CLIMTRANS on 24th October, 2017 at IIC Annex, New Delhi
- ESRI India Conference 2017 from December 13-14, 2017 at The Leela Ambience Convention Hotel, Delhi (Karkarduma near Yamuna Sports Complex) organized by ESRI.

### **Bhaskar Gowd Sudagani**

- Dissemination workshop on CLIMTRANS on 24th October, 2017 at IIC Annexe, New Delhi.
- Delivered lecture at IAHE, Noida for Residential Foundation Training programme for newly recruited Assistant Executive Engineers (AEEs) of BRO on 5-6 January 2018.



- Delivered lecture at IAHE, Noida for Residential Foundation Training programme for newly recruited Assistant Executive Engineers (AEEs) of MoRTH on 7th October 2017

## **20. Courses and training programs of attended by the faculty of the Department**

### **Sanjay Gupta**

- Attended Discrete Choice Analysis course at EPFL, Lussane Switzerland delivered by Prof Moshe Ben Akiva (MIT) and Bell (EPFL), 15-19 February 2018

## **21. Awards or recognitions received at the national and international level by the faculty, and students:**

### **Sanjay Gupta**

- Reappointed as Visiting Professor at the Institute of Transport Studies, Leeds University, Leeds (U.K) from Sep 2016 to Sep 2019
- Appointed as Ph.D examiner of Ph.D scholar at Department of Civil Engineering, IIT Mumbai, May 2017
- SPA recognized as Associate Research Centre (ARC) - Centre of excellence in Sustainable Urban Freight System (SUFS)
- Mahak Agarwal won Prof V N Prasad National Best Thesis Award 2017, constituted by ITPI, carried out under guidance of Prof. Dr. Sanjay Gupta

## **22. Internal and external members of the Board of Studies**

- Dr. S. Gangopadhyay (Ex-Director, CRRRI)
- Dr. M. Parida (Professor, IIT Roorkee)
- Dr. M.P. Raju (Managing Director, LEA Associates South Asia Pvt. Ltd.)
- Sh. D.P. Gupta (Former Director General, MORTH)
- Dr. B.I. Singhal (Former Director General IUT, India)

## **23. Internal and external members of the Departmental Research Committee:**

- Prof. Dr. Sanjay Gupta, HOD TP Department, SPA Delhi (Chairman, DRC)
- Prof. P K Sarkar, Professor TP Department (till Nov. 2017)
- Prof. Dr. Sewa Ram, Professor TP Department, SPA Delhi
- Dr. G Joshi, Associate Professor, Civil Engineering Department, SVNIT Surat (External)
- Dr E. Madhu, Head Transport Planning Division, CRRRI, Delhi (External)

## **24. Prominent visitors to the Department of studies**

- Dr. Farideh Ramjerdi, Senior Research Economist, Institute of Transport Economics, Oslo,
- Dr. Sylvia J. Olsen, Research Director, Institute of Transport Economics, Oslo, Norway

- Dr. Eivind Farstad, Senior Research Economist, Institute of Transport Economics, Oslo, Norway

## **25. Give details of activities under various MOUs during the reporting year**

- As part of MoU with Leeds University Prof Greg Marsden, Leeds University and Prof Sanjay Gupta were awarded joint collaborated research project Under Reform sponsored by ICSSR-ESRC in May 2018
- Prof Greg Marsden also examined PhD thesis of Amit Arora, PhD scholar of Department as an international examiner.

## **26. Give details of 'beyond syllabus scholarly activities' of the department**

The Department of Transport Planning is presently engaged in two prestigious research projects, namely:

- Indo- Norway CLIMATRANS project related to climate change adaptation and mitigation in context of urban transport sector for three Indian Cities jointly undertaken with three premiere institutions in India, IISC Bangalore, IIT Mumbai, TERI besides Norwegian research institutes, Institute of Transport Economics TOI and MET (Oslo). The project is in advance stage of completion.
- Indo-UK UNDER REFORM project jointly sponsored by ICSSR-ESRC initiated in May 2018 related to Transport governance in Smart cities and its impact on sustainable mobility.

## **27. Any other information**

### **Sanjay Gupta**

- Short video prepared as invited expert on Urban Freight Delivery Systems in Delhi for TU Delft University, Amsterdam online Urban logistics course, Video published on YouTube
- <https://www.youtube.com/watch?v=6A4dAD7v5-0&feature=youtu.be>
- Panel Discussion on "Smart Parking Solutions "in 4th Smart Cities India 2018. Delhi; Video published on YouTube Exhibitions India Group
- [https://www.youtube.com/watch?v=CspWYd\\_iOqU&t=1850s](https://www.youtube.com/watch?v=CspWYd_iOqU&t=1850s)
- Mentored project on "Ways to Improve the Ridership of Metro Train Operation: Case study of Chennai metro "as part of Leaders Program in Urban Transport Planning and Low Carbon Mobility Sep to Dec 2017
- Mentored project on A critical analysis of the existing provisions / proposals in various Development Plans in Haryana with reference to the Traffic and Transportation aspects "as part of Leaders Program in Urban Transport Planning and Low Carbon Mobility Sep to Dec 2017
- LUTP mentoring project on Transport Demand Management Tools for Metro Rail System-Strategy to ease congestion in Delhi Metro, India'.
- Paper reviewer for the CTRG-2017 conference held at SVNIT Surat
- Mentor in Phase II Capacity building program - Leaders in Urban Transport Planning and Management – Sixth Batch, Improve operational efficiency of CMRL

- Mentor for development of two year course syllabus in M.Sc. in Traffic Management, IRTE recognized by MDU, Rohtak
- Expert member, Assessment Committee to consider the cases of one Group-III employee of CRRI

### **Sewa Ram**

- Mentoring real life project as a part of Leadership Programme by CEPT Ahmedabad, MoUD and World Bank September 2017-January 2018 for the following project (a) Equitable road design for Delhi roads(b) New Metro Policy





# DEPARTMENT OF URBAN DESIGN

## 1. Name of the Department

Department of Urban Design

## 2. Names of academic programs offered by the Department

- Master of Urban Design
- PhD

## 3. Year of establishment of the Department

Master of Urban Design 1979-80 and PG Diploma in Urban Design started in 1969

## 4. Faculty profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Years of Experience
Arunava Dasgupta	M.Arch (Urban Design)	HOD and Associate Professor	Urban Design	31
Manu Mahajan	M.Arch (Urban Design) M.Sc., (Dev. and Planning)	Assistant Professor	Urban Design	18

## 5. Details of teaching work undertaken by the regular faculty in the Department:

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
Arunava Dasgupta	1	• Design Studio I	6
	1	• Urban Form Lab-II	3
	3	• Reading the City (L)	2
	3	• Thesis Methodologies	3
	2	• Design Studio -II (ST)	3
	2	• Urban Form Lab-II (L)	1
	2	• Urban Form Lab-II (R)	2
	4	• Thesis Studio	6
	4	• Thesis Studio (R)	1
Manu Mahajan	1	• Urban History and Development Theory-I (L)	2
	1	• Urban History and Development Theory-I (S)	1



	1	• Research Methods	2
	3	• Institutional Elective	2
	3	• Design Studio-III	6
	3	• Urban Form Lab-II (ST)	3
	2	• Design Studio- II	6
	2	• Elective (Departmental)	2
	4	• Electives (L/T)	2
	4	• Design Thesis (T)	3

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School:**

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department:**

<b>Name of the Visiting Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours per Week</b>
Ujan Ghosh	1	• Design Studio – (ST) and (T)	9
	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
	1	• Design Studio-I (ST)	3
	2	• Urban Form Lab-II (R)	2
	2	• Urban Form Lab-II (L)	1
	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 Saxena	1	• Urban Design Methodologies(L)	2
Sudipto Ghosh	4	• City Futures Lab (R and L)	3
	1	• Thesis Methodologies	3
Manas Murthy	1	• Research Methods	2
	3	• Urban Form Lab	3
Anurag Chowfla	1	• Urban Form Lab-II	3
	4	• Thesis Studio (ST)	3
Abhimanyu Dalal	3	• Thesis Methodologies	3
	4	• Thesis Studio (ST)	3
Rajiv Bhakat	1	• Urban Design Methodologies	2
	1	• Design Studio (T)	3
	3	• Departmental Elective	2
	4	• Departmental Elective (L) Future Cities	2
	4	• Design Thesis Tutorial	3
Ranjit Mitra	1	• Design Studio-(ST)	3
	1	• Urban History and Development	4

		Theory-I ( L and S)	
	2	• Urban History and Development Theory-II (L)	2
	4	• Design Thesis Studio	6
Mansi Kataria	1	• Site Planning (Workshop)	2
	4	• Design Thesis (T)	3
Rinki Sarkar	1	• Urban History and Development Theory-I (L)	2
	2	• Urban History and Development Theory-II (L)	2
Kanu Kartik Agarwal	1	• Urban Form Lab-I	3
	3	• Departmental Elective (Imagining Cities )	2
	3	• Thesis Methodologies	2
	2	• Departmental Elective-I (Imagining Cities -I)	2
Anjula Negi	3	• Development Practice/Project Planning and Finance	2
	2	• Urban Infrastructure and Housing	2
Divya Chopra	3	• Reading the City (S)	2
	2	• Urban History and Development Theory-II (S)	2
Vandini Mehta	3	• Reading the City ( L and S)	6
	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 Framework	2
Shveta Mathur	3	• Planning the City- II (L)	2
	3	• Urban Form Labs	3
	2	• Participatory Planning and Co-Design Tools	2
	2	• Planning the City- I (L)	2
Anvita Arora	3	• Planning the City-II (L)	2
Arvind Varshney	1	• Digital Skills for UD	2
Vineet Katariya	1	• Digital Skills for UD	2
	2	• Design Studio (T)	3
Riya Rahiman	2	• Planning the City- I (L)	2
Aparna Ash Kanojia	3	• Development Practice/ Project Planning and Finance	2
Rwitee Mandal	1	• Design Studio (T)	3
	3	• Urban Form Lab	3
	4	• City Future Lab (L and R)	3

**(b) Details of Special Lectures undertaken in the Department:**

<b>Name of the Expert</b>	<b>Semester</b>	<b>Topic</b>	<b>Date</b>
Vikram Soni	1	Natural - Tread Softly on the Planet	23 August 2017
Pilar Maria Guerrieri	1	Maps of Delhi	10 November 2017
Dr. Melissa Butcher and Dr. Kate Maclean	2	Gendering the City	16 February 2018

**8. Department's involvement in inter-disciplinary programs in other departments and organizations:**

- Faculty drawn from other departments of Architecture, 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 and the department offers institutional electives for students of other departments to choose.

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

None

**10. Semester-wise details of the studio work undertaken by the students**

<b>Semester/Year</b>	<b>Project Title/Topic</b>	<b>Description</b>
Design Studio-I: First Semester	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.	Five locations along the Barapullah Water Stream have been selected in Delhi for detailed studies and project proposals.
Design Studio-II: Second Semester	The objective of this studio is to hone the theoretical knowledge of the student from the first semester in resolving a design problem on a Green Field site preferably outside Delhi. The first part of the studio will be an introduction to urban design city study, analysing the various factors that determine the morphology of the city and the referencing of selected sites to the study.	For past eight years, Department is studying Capital Cities. This year City of Kolkata has been taken for study and design proposals.
Design Studio-III: Third Semester	The objective of the studio is to focus on inner city regeneration in Delhi	For past eight years, Department is



	examining issues related to critical programme development, urban conservation, economic and environmental considerations, and infrastructure development, social and political forces. The involvement of user groups and decision-making agencies as a part of the project formulation and appraisal is the core theme of this studio.	taking up electoral wards of Delhi. This year two wards- Kishanganj and Karampura have been taken up for Local Area Plan and Design.
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**11. Details of the thesis topics researched by the students of the final year class:**

<b>Roll No.</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>
UD/746	Abhirami Prabhakaran K	Reimagining the lost spaces in cities: case of Kallayi river and Canoli canal, Calicut
UD/747	Aniruddha Mutsuddi	Integrating segregated neighbourhoods for social equity
UD/748	Aparajita Santra	Reinstating the child in an industrial city
UD/749	Ashima Garg	Inclusive neighbourhoods for women: case of Chirag Dilli
UD/750	Manasa Garikaparthi	Socio ecological systems of urban lakes
UD/751	Indu S Panicker	Guiding spatial and physical transformation of coastal areas towards resilience
UD/752	Kevin Abraham George	Creating Equitable spaces in prime city areas - a case of Mangalvanam Chaitiath region, Cochin
UD/753	Kripal Singh Bhadouria	Green Spaces as a seam for old and new city of Gwalior.
UD/75	Lekshmy Hirandas	Regeneration of Post Industrial Landscape: Case of transformation of Industrial Area in Eloor
UD/756	Raseshwari Painkra	Development of Responsive Public Spaces in Shastri Nagar Metro Station Precinct, Delhi
UD/757	Rinky Halder	To create seam through urban dialogue between planned and unplanned areas
UD/758	Riyazul Samad Binmohammad	Metro as a catalyst for urban transformation in an administrative city
UD/759	Sadadekar Sharvari Prakash Pallavi	Cohesive Interface of Urban Societies- Creating live able and inclusive environment for robust coexistence in urban peripheries
UD/760	Shamik Sambit Chatterjee	Contiguous Cities: Implications of Cultural practices on urban form to redefine the peripheries of Kolkata
UD/762	Aishwarya Talluri	Rurban Landscape : Designing for agro-based economies
UD/764	Thejus Augustine	Facilitating urban life of migrant labourers in industrial towns- case of Vellum, Perumbavoor
UD/765	Ujjainee Sarkar	Frontier town: Designing the public core.
UD/766	Sayali Raju Virulkar	Cohesive Public Interface - A seam between a city and its industrial estate.

**12. Details of the thesis topics being researched by the doctoral students in the Department:**

<b>Year of Enrollment</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>	<b>Name of the Research Supervisor</b>	<b>Remarks if any</b>
SPA/FN/Ph.D/ 120/2011-12	Mona Valikjazi	Transformation of Urban Design Public Spaces: A Dialogue between State, People and Urban Designer- A Case Study of Tehran, Iran	Prof. Dr. Mandeep Singh	Final Viva-Voce held on 18 th August,2017
SPA/NS/Ph.D/ 129/2012-13	Deepashree Choudhury	“Collage city urbanism: Reading of Kolkata”	Prof. Sanjukta Bhaduri	
SPA/NS/Ph.D/ 128/2012-13	Arunava Dasgupta	Urban Design Directions to guide Rural Settings under Transformation.”	Prof. Mandeep Singh	
SPA/NS/Ph.D/ 165/2016-17	Manu Mahajan	“Impact of metro on the cultural economy and spatial transformations of inner city areas.” Case - Old Delhi	Prof. Sanjay Gupta	
SPA/NS/Ph.D/ 168/2016-17	Aishwarya Tipnis	“Exploring Paradigms for culturally relevant adaptive reuse as a tool for Urban Regeneration of derelict industrial landscapes in India: Reconciling Protection, Conservation and Development.	Prof. Mandeep Singh	
SPA/NS/Ph.D/ 182/2017-18	Advaita Jalan	“Investigating urban design codes formulation and Implementation methodology in India: A care study of Form-Bared code for Vadodara”	Prof. Mandeep Singh	

**13. Research thrust areas of the Department:**

- Urban Architecture and Building Type
- Mobility and Urban Form

- Social Urbanism
- Determinants of Urban Form
- Rural Urbanization in Mountain Settings

**14. Completed/ongoing research projects in the Department :**

<b>Name of the Project and Sponsoring Agency</b>	<b>Name of Team Leader/Faculty</b>	<b>Thrust Area/Expected Outcomes</b>	<b>Total Grant/Fee (Rs. In Lakhs)</b>
Climate Change and Urban Form, DIC Project sponsored by MHRD	Prof. Arunava Dasgupta	Climate/Energy responsive Housing Form prototypes for Peri-urban areas	25

**15. Details of consultancy projects undertaken by Department :**

<b>Name of the Project and Sponsoring Agency</b>	<b>Name of Team Leader/Faculty</b>	<b>Thrust Area/Expected Outcomes</b>	<b>Total Grant/Fee (Rs. In Lakhs)</b>
Master Plan of Bhawan and Extended Area of the Shrine, SMVDSB Concept Master Plan of Nursing College, SMVDSB	Manu Mahajan	Technical Reports and Layout Drawings	40

**16. Details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty:**

**Manu Mahajan**

- Mahajan, M (2017), Ninth Delhi: A Partitioned City, Proceedings of an International Symposium 'Designing Urban Design', Middle Eastern Technical University Turkey, edited by Caliskan, O and Efeoglu, E, ISBN: 975-975-429-370-8

**17. Details of other publications made by regular faculty of the Department:**

**Manu Mahajan**

- Mahajan, M (2018), OOH Design and Streetscape, Outdoor Asia, Vol. 9, Issue 7, pp. 42-47

**18. Faculty serving in (a) National Committees (b) International Committees (c) Editorial Boards (d) Any other**

**Arunava Dasgupta**

- Member, Heritage Advisory Committee, Government of Himachal Pradesh

- Member, First Department Advisory Committee, Department of Architecture, Thiagarajar College of Engineering, Madurai
- Member, Board of Studies, Urban Design Program, SPA Bhopal
- Member, Advisory Group, Urban Design Program, College of Engineering, Trivandrum
- Founder Member and Executive Council Member, Institute of Urban Designers-India
- Founder Member – Center for Ecology Development and Research (CEDAR)

### **Manu Mahajan**

- Executive Council Member, Institute of Urban Designers-India
- Founder Member and General Secretary, Association of Commonwealth Scholars and Fellows, India

## **19. Exhibitions, Seminars or workshops organized by the students and faculty of the Department:**

### **(a) Seminars/Workshops**

- Technical Session “Designing the Local: Realizing the New Urban Agenda” in partnership with AILSG in the South Asian Cities Summit 2018 in Delhi, May 2018
- Week long Workshop with Students and Faculty of Birkbeck College, London, in SPA Delhi, February 2018
- Field Based Joint Workshop between Faculty of Tongji University, China and Students and Faculty of Departments of Urban Design and Architecture in Delhi, February 2018.
- International Seminar on Smart Sustainable City Regions, organized with NTNU Norway at New Delhi, November 2017.
- Joint Studio held at Delhi with KRVI, Mumbai and First Semester Students of the Department, October 2017
- Joint Studio held at Mumbai with KRVI, Mumbai and Third Semester students of the Department, September 2017

## **20. Seminars or workshops attended by the faculty of the Department:**

### **a. International (Held outside India)**

### **Arunava Dasgupta**

- Presentation entitled “Robustness as Antidote to the Brittle Indian Planned City” made as Guest Speaker in the Cluster of Excellence, Heidelberg Center of Transcultural Studies, Heidelberg University, Germany; July 2017.
- Presentation entitled “Design Laboratories – Exploratory Avenues and Collaborative Synergies through the Urban Form Lab” made in the workshop on “Open Access? The city as Lab, Studio, Archive” in Forum Urban Spaces, HCTS, Heidelberg University, Germany; July 2017.
- Paper entitled “Between Community and Building – Technological Substitution Challenges in Himachal Pradesh” presented as invited Speaker in the Symposium on Social Structures, Smart Development and Economic Growth organized by Melbourne School of Design and Australia-India Institute, Melbourne, March 2018

- Lectures on “Mobilities” delivered as Guest Faculty and ERASMUS Fellow at the Heidelberg Center for Transcultural Studies and in the Department of Geography as well as in Department of Ethnology in Heidelberg University, Germany; June 2018

## **b. Presentation of Papers**

### **Arunava Dasgupta**

- “Smartness at all Scales” Presentation made as Keynote speaker in the International Smart Cities Workshop organized by HCTS and SAI, Heidelberg University in Shimla, May 2017
- Presentation made on “Smart Futures and Urban Realities” as Invited Speaker in the international conference on Sustainable Urban Development: Smart Cities, organized by HCTS and SAI, Heidelberg University in Bhubaneswar, September, 2017
- Presentation made entitled “From the Edge to the Inner, the City and the Local” as invited Theme Speaker in the session, Smart Infrastructure: Built Environment at the India-EU Dialogue on Smart Cities: Sustainable Development, organized by Delegation of EU TO India, Heidelberg University in Bangalore, BayIND, ORF; October, 2017
- Presentation made on ““Institutional Shifts and Pedagogic Alternatives” as Invited Speaker in the seminar on Learning Narratives organized by KRVI, Mumbai; December 2017.
- Presentation made on “Nurturing the Citizen Designer” as Invited Keynote Speaker in the Annual NASA Convention in Vagamon, January 2018.

### **Manu Mahajan**

- Invited Speaker in International Seminar on Smart Sustainable City Regions, organized with NTNU Norway at New Delhi, November 2017. Paper presentation on ‘Local Area Planning: Learning from the Urban Design Studio’
- Invited Speaker in South Asian Cities Summit April, 2018. Presentation on Community Engagement in Local Area Plans
- Invited Speaker in a Workshop on “Developing a People’s Perspective on the Delhi Master Plan 2021-41 Process, organized by Indo-Global Social Service Society (IGSSS) and Women in Informal Employment Globalizing and Organizing (WIEGO) at Delhi, April 2018. Presentation on Planning at Local Area level in the context of Delhi.

## **c. Chairperson or Member of Panels**

### **Arunava Dasgupta**

- Chairperson of Technical session “Smart Infrastructures” in the India-EU Dialogue on Smart Cities: Sustainable Development, organized by Delegation of EU TO India, Heidelberg University in Bangalore, BayIND, ORF; October, 2017
- Panel Discussant on “City Futures through Community based Development Initiatives” in the seminar on Smart Sustainable City Regions organized by NTNU, Trondheim, Norway and SPA-Delhi in Delhi; November 2017
- Chairperson and organizer of Technical Session “Designing the Local: Realizing the New Urban Agenda” in partnership with AILSG in the South Asian Cities Summit 2018,

May 2018

**d. Participation Only**

Participated as Invited delegate for Confluence 2018: Cities on the Horizon, Seminar on the Future of Urbanization organized by Mahindra World City in partnership with McKinsey India in February 2018, New Delhi.

**21. Courses and training programs attended by the faculty of the Department:**

None

**22. Awards or recognitions received at the national and international level by the faculty, and students:**

**Arunava Dasgupta**

- Was recipient of the ERASMUS Mobility Grant to visit NTNU Trondheim and develop institutional collaboration between NTNU Trondheim and SPA Delhi in June 2017
- Was recipient of the SWAGATA ERASMUS+ grant for faculty exchange in teaching at the Heidelberg Center for Transcultural Studies, Heidelberg University, Germany in June 2018

**Achievements of Students**

- Mr. Pritam Dey, 2nd semester student of Urban Design, won first prize in Habitat Ideation 2018, a design competition organized by DIC, SPA, Delhi
- Mr. Debaditya Swarnakar, 2nd semester student of Urban Design, won third prize in Habitat Ideation 2018, a design competition organized by DIC, SPA, Delhi
- Mr. Pritam Dey, 2nd semester student of Urban Design presented and published a paper on reimagining spatiality of a crematorium in Varanasi at International Union of Architects, Work Architects Congress held at Seoul, South Korea in 2017
- Mr. Nikhil Shah, second semester student of Urban Design, received two research fellowships in 2017 from Sahapedia, UNESCO to work on two old monuments in Gujarat.
- Ms. Sayali Virulkar, fourth semester student of Urban Design, is one of the 12 finalists representing the Asia Region who has been shortlisted out of 1200 competitors globally in a Global Competition "The Cities for our Future- Challenge 2018" organized by RICS in partnership with UNESCO.

**23. Internal and external members of the Board of Studies:**

**Internal Members**

- Chairperson - Prof. Arunava Dasgupta, HOD of Urban Design
- Member – Mr. Manu Mahajan, Asst. Prof. in Urban Design

**External Members (may write designation and organizations)**

- Prof. K.T. Ravindran, Dean Emeritus, RICS School of Built Environment
- Prof. Ashok B. Lall, Practicing Architect and Energy Expert

**24. Internal and external members of the Departmental Research Committee:**

**Internal Members**

- Chairperson: Prof. Dr. Mandeep Singh
- Coordinator, JDRC: Prof. Dr. P.S.N. Rao

**External Members**

- Prof. AGK Menon, Convener, Delhi Chapter, INTACH
- Prof. S.K. Das, Principal, SKDAS Associated Architects

**25. Prominent visitors to the Department of studies:**

- Dr. Melissa Butcher and Dr. Kate Maclean, faculty members of the Department of Urban Geography, University of Birkbeck, London, UK in February 2018
- Prof. Shibu Raman, Welsh School of Architecture, Cardiff University, UK in June 2017
- Dr. Rolee Aranya and Mr. Marcin Silwa from NTNU Trondheim, Norway in November 2017
- Mr. Vikram Soni , environmental activist in August 2017

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

- A joint workshop between students of Urban Design and students from Department of Geography, Birkbeck College, University of London, UK at SPA-Delhi was conducted in February 2018
- A joint studio and conference between NTNU, Trondheim and SPA Delhi along with project partner, PEC Pune was conducted between September-December 2017.
- A joint proposal for DAAD funding towards curriculum development, capacity building, student and faculty mobility for four years has been submitted on the topic “Urban Transformations and Place-making: Learning from South Asian Cities” in partnership with Heidelberg University, Germany and Kathmandu University, Nepal in June 2018.
- Two papers have been jointly written and put up for publication by Prof. Shibu Raman and Prof. Arunava Dasgupta as outcome of Field based research on the ongoing “City Form” project with Faridabad as case city.

**27. Details of ‘beyond syllabus scholarly activities’ of the department:**

- Participation in research and design consultancy
- Assistance and advice to government and private institutions on matters related to urban design teaching as well as setting up of academic programs.

**28. Any other information**

None



# DEPARTMENT OF URBAN PLANNING

## 1. Name of the Department

Department of Urban Planning

## 2. Names of academic programs offered by the Department

- Masters with specialization in Urban Planning
- Ph.D.

## 3. Year of establishment of the Department

1955

## 4. Faculty profile:

<b>Name of the Faculty</b>	<b>Educational Qualifications</b>	<b>Designation</b>	<b>Areas of Specialization</b>	<b>Number of years of experience</b>
M. Palaniappan	M.A. Economics; MTP (Town and Country Planning) MPS (Population Studies) and PhD on-going	Associate Professor and Head of the Department from 19 May 2017	Economics, Tourism Planning	26
Sanjukta Bhaduri	B. Arch, Master of City Planning, PhD	Professor of Planning	Urban Planning, Environmental Planning, Disaster Management	33
Nilanjana Dasgupta Sur	M. Plan. (Urban Planning), AITP; IIG; M.Sc. (Geography); Ph.D. (on-going)	Assistant Professor	Urban Governance, Urban Infrastructure, Inclusive Planning	15
Dhriti Jade	B. Arch., M. Plan (Infrastructure)	Assistant Professor (Contract Faculty)	Infrastructure and Housing	3
Saadia Siddiqui	B. Arch. and M. Plan (Urban Planning )	Assistant Professor (Contract Faculty)	Urban Planning	1.5



Rhiya Singh	B. Plan, M. Plan (Urban Planning )	Assistant Professor (Contractual)	Urban Planning	1
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**5. Details of teaching work undertaken by the regular faculty in the Department**

Name of the Faculty	Period	Semester	Subjects (Theory and Studios)	Hours per Week
M. Palaniappan	July – Dec. 2017	I	Socio-Economic Base for Planning	1
		I	Studio (Guidance)	6
	January – May 2018	III	Development Finance	1
		III	Studio (Guidance)	4
		III	Studio Research Seminar	2
		II	Studio (Guidance)	6
		IV	Urban Development Policies	1
IV	Thesis (Guidance)	7		
Sanjukta Bhaduri	July – Dec. 2017	III	Urban Risk and Disaster Management	1
		III	Inclusive Cities	2
		III	Studio (Guidance)	2
		III	Studio Research Seminar	7
	January – May, 2018	II	Sustainable Planning and Development	2
		IV	Thesis (Guidance)	9
Nilanjana Dasgupta Sur	July – Dec. 2017	III	Community Participation and Planning	2
	January – May 2018	III	Studio Guidance	6
		III	Studio Coordinator – Research Seminars	2
		II	Urban Information Systems and Spatial Analysis	2
		II	Studio Coordinator	8
		IV	Thesis Supervisor (6 students)	6
Dhriti Jade	February-May, 2018	II	Studio (Guidance)	6
		IV	Climate Resilient	1
		IV	Thesis (Guidance)	9
Saadia Siddiqui	February-May, 2018	II	Studio (Guidance)	4
		IV	Thesis (Guidance)	12

Rhiya Singh	February-May, 2018	II IV	Studio (Guidance) Thesis (Guidance)	4 12

**6. Details of teaching work undertaken by the regular faculty in the other departments in the School.**

Name of the Faculty	Semester	Subjects (Theory and Studios)	Hours per Week
M. Palaniappan	I Integrated Programme	Theory and Studio	7
Nilanjana Dasgupta Sur	I Integrated Programme	Studio Director	6

**7. (a) Details of teaching work undertaken by the visiting faculty or visiting professors, etc. in the Department**

Name of the Visiting Faculty	Semester	Subjects (Theory and Studios)	Total Hours per Week
M.L. Chotani	III	Urban Development Management and Governance	1
R. Srinivas	III	Urban Development Management and Governance	1
Dr. M.P. Mathur	III	Development Finance	1
Bipasha Kumar	III	Urban Risk and Disaster Management	1
Shikha Jain	III	Urban Design and Heritage	1
Ms. Kanak Tiwari	III	Urban Design and Heritage	1
Dr. V. Thiruvengadam	III	Design Studio	7
Dr. S.P. Biswas	III	Design Studio	2
Aditi Mitra Ghosh	III	Design Studio	3
Tanaji Chakrabarti	III	Design Studio	2
S.P. Pathak	III	Design Studio	4
Aparna Ash Kanojia	III	Design Studio	.75
Prof. Kavas Kapadia	III	Design Studio	6
S.P. Pathak	II/IV	City and Metropolitan Planning/Infrastructure Planning/Design Studio/(Thesis/Studio)	1/1/5/2
Kajari Laskar	II	City and Metropolitan Planning	1
Aparna Ash Kanojia	II	Project Planning and Management	2
Prof.Dr. P.K. Sarkar	II/IV	Land Use and Transport Planning/(Thesis/Studio)	4
Sandeep Kumar Raut	II	Sustainable Planning and Development	.75
P.S. Uttarwar	II/IV	Design Studio/(Thesis/Studio)	7/5
Aditi Mitra Ghosh	II/IV	Design Studio/(Thesis/Studio)	2/2
S.B. Khodankar	II	Design Studio	8

Aditi Arora	II	Design Studio	2
Dr. Manish Kumar	II	(GIS) Studio	2
Ms. Dhriti Jade	II/IV	Design Studio/Climate Resilient Urban Development/ (Thesis/Studio)	7/1/8
Saadia Siddiqui	II/IV	Design Studio/(Thesis/Studio)	8/8
Rhiya Singh	II/IV	Design Studio/(Thesis/Studio)	8/8
Shri M.L. Chotani	IV	Planning Legislation and Professional Practice/ (Thesis/Studio)	1/4
R. Srinivas	IV	Planning Legislation and Professional Practice/ (Thesis/Studio)	1/6
Dr. M.P. Mathur	IV	Urban Development Policies	1
Shri Ajay K. Katuri	IV	Climate Resilient Urban Development	1
Dr. S.P. Biswas	IV	(Thesis/Studio)	3
J.K. Kapoor	IV	(Thesis/Studio)	2
Dr. Shyamala Mani	IV	(Thesis/Studio)	2
Amit Bhatt	IV	(Thesis/Studio)	2
Vijay Risbud	IV	(Thesis/Studio)	6

**(b) Details of Special Lectures undertaken in the department**

- Dr. Renu Khosla, Director, CURE, Delhi on “Community Participation” on September 13, 2017 and October 11, 2017.
- Pradeep Dadlani, Director Sycom Projects Consultants Pvt. Ltd on “Community Participation and Planning” on November 8, 2017.
- Dr. Shyamala Mani, Professor, National Institute of Urban Affairs (NIUA) New Delhi on “Community Participation and Planning” on November 22, 2017.
- Dr. Sandeep Kumar Raut, Associate Town and Country Planner, Town and Country Planning Organization (TCPO), New Delhi on “Smart Cities and Web 2.0 Technologies” on March 21, 2018.
- K.T. Gurmukhi, Chief Planner, (Retired) Town and Country Planning Organization (TCPO), New Delhi on “Urbanization Challenges in 21<sup>st</sup> Century” on April 4, 2018.
- P.S. Uttarwar, Additional Commissioner (Planning) (Retired), DDA on “Urban Information Systems and Spatial Analysis” on April 18, 2018.

**8. Department involvement in inter disciplinary programs and names of other departments involvement.**

None

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

None

**10. Give semester-wise details of the studio work undertaken by the 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>
Strategic Infrastructure Plan for Coimbatore	<p>The objectives were to:</p> <ul style="list-style-type: none"> <li>• To understand the process of preparation of infrastructure plan</li> <li>• To study the city profile in terms of the various identified sectors</li> <li>• To assess the issues concerning each sector</li> <li>• To develop strategies for the infrastructure of the city</li> </ul>	Various case studies were done to know the infrastructure provisions of various cities.	Gap analysis and issues and potentials were formulated. Proposals were made for each sector like transportation, water supply, solid waste management, energy and power and open spaces. Phasing of all the proposals were done along with the costing of projects of each sector.
Detailed Project Report Preparation	<p>The objective were to:</p> <ul style="list-style-type: none"> <li>• Identify projects suitable for each sector</li> <li>• To prepare a detailed project report.</li> </ul>	Similar projects in different parts of the country were taken up as case studies to understand the project formulation, costing and phasing phases.	Need of the project was identified, along with detailed proposals with itemization, costing and phasing of the entire project for each sector.
Bikaner	<p>The objectives were to:</p> <ul style="list-style-type: none"> <li>• To understand the process of preparation of master plan and zonal development plan</li> <li>• To study the city profile in terms of the various identified sectors of development</li> <li>• To analyse and assess the issues concerning each</li> </ul>	A case study of Delhi Master Plan and zonal plans was done to understand the elements and scale of city as well as zonal level data and strategies. Some	Analysis of the city with respect to all aspects led to identification of issues and potentials. Proposals were made for each zone with specific zonal level strategies.

	sector of development. <ul style="list-style-type: none"> <li>• To develop revised Master Plan for the perspective years</li> <li>• To prepare the zonal plans for various use zones with special emphasis on policy interventions and development control regulations</li> </ul>		
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**11. Provide details of the thesis topics researched by the students of the final year class:**

<b>Roll No.</b>	<b>Name of the Students</b>	<b>Name of the Thesis Topic</b>
SPA/NS/UP/1251	Aditya Palherkar	Liveability in Urban Core Area of Bhopal
SPA/NS/UP/1252	Apoorv Kumar Gupta	Liveability of Residential Neighbourhoods in Bhopal
SPA/NS/UP/1253	Ashish Verma	Urban Renewal in Core Area of Jaipur
SPA/NS/UP/1254	Ashwini Bhagwan Bondade	Development Strategies for City Centre, Nagpur
SPA/NS/UP/1255	Bhagwat Jayeshkumar Maheshkumar	Planning for Urban Underground Spaces in Delhi
SPA/NS/UP/1256	Charve Jain	Implications of Mixed Use Regulations on Planned Commercial Areas in Delhi
SPA/KM/UP/1257	Era Hashia	Spatial Development Strategies for Street Vendors- Case of Pune City
SPA/NS/UP/1258	Fernandes Nadia	Land Use Transformation of a Port City, Case Study: Vasco City, Goa
SPA/NS/UP/1259	Gaurav	Planning for Public Transport in a Medium Size City - Bikaner
SPA/NS/UP/1260	Hedau Vishakha Sanjay	Optimization of Water Supply in Urban Areas, Nagpur
SPA/NS/UP/1261	Ishita Aryan	Planning for Urban Safety in Public Realm of Delhi
SPA/NS/UP/1262	Jain Ashik Sohan	Improving Accessibility for Work Centers in Pune
SPA/NS/UP/1263	Kesanakurthi Sai Kirani	Land Value Capture for Planned Capital City-Case Study Amaravati

SPA/NS/UP/1264	Nandita Suman	Urban Development Strategies and Gentrification in Delhi
SPA/NS/UP/1265	Oinam Pulama Devi	Urban Primacy of Kolkata Metropolitan Area
SPA/NS/UP/1266	Pallavi Tiwari	Dynamics of Peri -Urban Areas of Bhopal
SPA/NS/UP/1267	Papori Thakuria	Transformations in a Pilgrim City: A Case Study of Puri
SPA/NS/UP/1268	Priyanka Gandhi	Planning for An Aerotropolis: Jewar Airport
SPA/NS/UP/1269	Priyanka Kumar	Development Oriented Transit in Delhi
SPA/NS/UP/1270	Rhythm Grover	Planning for a Climate Resilient Mega City: A Case of Delhi
SPA/NS/UP/1271	Sangge Nangkar	Disaster Risk Reduction and Management in Hill Towns: Gangtok
SPA/NS/UP/1272	Savitri Kumari	Land Management in Ranchi
SPA/NS/UP/1273	Sejal Singla	Management of Ecologically Sensitive Areas in Delhi
SPA/NS/UP/1274	Sejal Vikas Mathur	Impact of Real Estate on Urban Fringe of Pune
SPA/NS/UP/1275	Shreya Mangla	Water Based Carrying Capacity for Urban Sustainability in Jaipur
SPA/NS/UP/1276	Sidharth Singh	Planning for Urban Landscapes in Mumbai
SPA/NS/UP/1277	Sreya Sinha	Developing New Town, Rajarhat as a Healthy City
SPA/NS/UP/1278	Umra Anees	Community Participation in Smart City Projects, NDMC Area: Delhi
SPA/NS/UP/1279	Utkarsh	Implications of Delhi- Meerut Expressway on Land Development in Ghaziabad
SPA/NS/UP/1280	Vaishali Singh	Economics of Urban Sprawl in Pune
SPA/NS/UP/1281	Vikas Verma	Planning for Decentralized Solid Waste Management in Varanasi
SPA/NS/UP/1282	Yassna Gautam	Land Use Transformation in Urban Villages of Delhi

**12. Provide details of the thesis topics being researched by the doctoral students in the Department:**

<b>Year of Enrollment</b>	<b>Name of the Student</b>	<b>Thesis Topic</b>	<b>Name of the Research Supervisor</b>	<b>Remarks if any</b>
2012-13 (PT)	Bipasha Kumar	Dynamics of Disaster risk in Urban Villages, Delhi	Prof. Dr. Sanjukta Bhaduri	Degree to be awarded in Convocation
2014 -15 (PT)	Nilanjana Dasgupta Sur	Knowledge Networking for Improved Service Delivery in ULBs in India	Prof. Dr. Sanjukta Bhaduri and Prof. Chetan	--

			Vaidya,	
2016-17 (FT)	Arathy Gopal	“Urban Planning for aesthetic and functional revitalization of cities evolved from settlements around temples, a case of Thiruvananthapuram City”	Prof. Dr. Sanjukta Bhaduri	Doctoral Work discontinued in Department of Urban Planning and Transferred to Department of Urban Design
2016-17(FT)	Mutum Chaobisana Devi	Carrying Capacity as a Determinant for Transit Oriented Development : Case Study-Delhi	Prof. Dr. Sanjukta Bhaduri / Prof. Dr. Sanjay Gupta	--
Honey Jalali (PT)	2017-18	Community Participation in Conservation of Water Bodies and their Catchments in NCT Delhi	Prof. Dr. Sanjukta Bhaduri	--
Shilpa Jain (PT)	2017-18	Public-Private Partnerships (PPP) in Development of Urban Built Heritage in the Indian Context	Prof. Dr. Sanjukta Bhaduri	--

### 13. Research thrust areas of the Department

- Local Area Planning
- Smart and Livable Cities
- Inclusive and Participatory Planning
- Climate Resilient Urban Development
- Urban Heritage and Tourism Planning
- Environment and Disaster Management

### 14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received.

Name of the Project	Thrust Area	Expected Outcomes	Total Fee in Rs. Lakhs
Preparation of a Web Based Platform for Participation of Local Area Stakeholders in Indian Cities: Case Study – Delhi (ongoing) Project P.I. is Prof. Dr. Sanjukta Bhaduri.			10,00,000

Production of Courseware e-Content Development for Post-Graduate Subjects (e-PG-Pathshala) <b>(Completed)</b> Project P.I was Prof. Dr. Sanjukta Bhaduri.	14,00,000

**15. Inter-institutional collaborative projects and associated grants received (a) National collaboration (b) International collaboration**

None

**16. Research facilities or centre (s) in the Department. If yes, describe each in 50 words only.**

<b>Name of the centre of facility</b>	<b>Thrust Area</b>	<b>Expected Outcomes</b>	<b>Total Grant</b>
Centre for Urban Disaster Study	Risk management, hazard and vulnerability reduction in urban settlements and their surrounding areas, mainstreaming disaster risk reduction in the planning of settlements; Generation of data base (including maps) pertaining to disaster risks for Metropolitan and mega cities that would include information on resources, vulnerable areas, vulnerable population etc. ; Documentation of field studies and their findings, done on various issues pertaining to disasters in various case study cities.	Capacity Building in the area of disaster risk management for urban settlements; Dissemination of Database generated and findings of field studies through a half yearly Journal and other publications	Nil

**17. Give details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty.**

**Sanjukta Bhaduri**

- Bhaduri, S. and Kumar, B. (2018) Disaster Risk in the Urban Villages of Delhi, *International Journal of Disaster Risk Reduction*.



**18. Give details of other publications made by regular faculty of the department of studies.**

None

**19. Faculty selected nationally or internationally to visit other laboratories or institutions or industries in India and abroad**

None

**20. Faculty serving in (a) National Committees (b) International Committees(c) Editorial Boards (d) Any other (please specify)**

**M. Palaniappan**

**Any other:**

- Lectures delivered on Urban Sociology and Economics of Planning at ITPI, Delhi for AITP Students June-July, 2017
- Lectures delivered on Urban Sociology and Economics of Planning at ITPI, Delhi for AITP Students June, 2018.
- Member of Selection Board of AITP (admission of AITP)- March 17, 2018.
- Jury Member of AITP Examination of Planning Portfolio at ITPI, Delhi- March 24, 2018.
- Jury Member of AITP Examination of Planning Portfolio I and II at ITPI, Delhi- March 24, 2018.
- Jury Member of AITP Examination of Planning Portfolio III at ITPI, Delhi- March 31, 2018.
- Paper setter for Project Planning and Management (2017-18) for AITP students at ITPI, Delhi.
- Paper (Assignment Questions) setter for Urban Sociology and Economics of Planning (2017-18) for AITP students at ITPI, Delhi
- Paper (AITP Examination Questions Paper-2018) setter for Urban Sociology and Economics of Planning (2017) for AITP students at ITPI, Delhi
- Paper (AITP Examination Questions Paper-2018) setter for Urban Sociology and Economics of Planning (2017) for AITP students at ITPI, Delhi
- Paper (AITP Examination Questions Paper-2018) setter for Urban Sociology and Economics of Planning (2018) for AITP students at ITPI, Delhi
- Paper (AITP Examination Questions Paper-2018) setter for Urban Sociology and Economics of Planning (2018) for AITP students at ITPI, Delhi
- Paper (AITP Examination) evaluated on Urban Sociology and Economics of Planning at ITPI, Delhi-2017
- Paper (AITP Examination) evaluated on Urban Sociology and Economics of Planning at ITPI, Delhi-2018
- Paper (AITP Examination) evaluated on Project Planning and Management at ITPI, March, 2018
- Observer of UGC/NET examination conducted by CBSE at Jaipur from November 4-5, 2017

- Observer of UGC/NET examination conducted by CBSE at Jaipur from July 7-8, 2018

### **Sanjukta Bhaduri**

#### **(a) National Committee**

- Expert for one time mapping of existing faculty members, NIT, Kozhikode.
- Member of Board of Studies, Department of Architecture and Planning, Indira Gandhi Technical University for Women, Kashmere Gate, Delhi.

#### **(b) Any other**

##### **Meetings Attended**

- Second Meeting of National Platform for Disaster Risk Reduction scheduled on 15-16 May 2017 at Vigyan Bhawan, New Delhi.
- CONCALL - JETCO Joint Working Group on Smart Cities, 23rd May 2017, FICCI Bhavan.
- 6th Meeting of the Expert Group to prepare a roadmap for mitigation of Urban Flood to be held on 14<sup>th</sup> June, 2017, NDMA, New Delhi
- Joint Working Group on Smart Cities under the 12<sup>th</sup> India-UK Joint Economic and Trade Committee (JETCO) held on 11<sup>th</sup> January 2018.

##### **Invited Lectures**

- Invited Lecture on Metropolitan Planning - current trends and future strategies, 31<sup>st</sup> October, Manipal University, Jaipur
- "Policy Formulation", Amity School of Architecture and Planning, Amity University Gurugram on the occasion of the XIX Annual NOSPLAN Convention, 27<sup>th</sup> December 2017
- Capacity building programme on sustainable Urban Transport at Kolkata from 7-9th February, 2018
- Review a project proposal for the Institute Challenge Grants of Indian Institute of Technology Kharagpur
- Examiner for Doctoral Theses in IIT Kharagpur.

### **Nilanjana Dasgupta Sur**

#### **Any other**

- Associate Member, Institute of Town Planners, India
- Member of the Indian Institute of Geographers, India

### **21. Exhibitions, Seminars or workshops organized by the students and faculty of the department**

None

## **22. Seminars or workshops attended by the faculty of the department**

### **Participation Only**

#### **Sanjukta Bhaduri**

- Second Meeting of National Platform for Disaster Risk Reduction 15-16 May 2017, New Delhi.
- ITPI, International Conference on “Future of Cities: Opportunities and Challenges” during 27 to 28 July 2017, New Delhi.
- Spatial Planning beyond boundaries?”- Dialogue on a Regional Planning approach at the District level in India, 6th and 7th September 2017.
- Conference on “Peri-Urban Ecosystems for Enhancing Urban Resilience” Gorakhpur Environmental Action Group (GEAG), Gorakhpur, ICLEI – Local Governments for Sustainability, South Asia, in collaboration with ACCCRN.NET, UNICEF, India, and School of Planning and Architecture, New Delhi, India with the support of the Rockefeller Foundation, 18<sup>th</sup> and 19<sup>th</sup> September 2017, New Delhi.
- Conference on “Pradhan Mantri Awas Yojana - Housing for All by 2022”, organised by FICCI in partnership with Ministry of Housing and Urban Affairs, Government of India 16<sup>th</sup> March 2018, New Delhi.
- International Conference on "Mountain Cities, Climate Change and Urban Futures" (), Chandigarh, Organized by Centre for Research in Rural and Industrial Development (CRRID), Chandigarh in collaboration with Asia Climate Change Education Center, Jeju, South Korea, Centre for Study of Administration of Relief (CSAR), New Delhi, Center for Urban Green Spaces (CUGS), New Delhi, Department of Environment Studies, Punjab University, Chandigarh and Working Group 05 of International Sociological Association (ISA) on Famine and Society, November 6-8, 2017 Chandigarh.
- Chairperson and Lead Speaker, "Liveable Cities: Transforming Sustainability and its Challenges" 5th to 7th Feb, 2018," Department of Geography, Shaheed Bhagat Singh College, University of Delhi.
- Participation of the DIC's in the Innovation Festival held in Rashtrapati Bhawan, 22<sup>nd</sup> March, 2018.
- Samvaad by Shivani Chaudhury, 14th December 2017, New Delhi.
- Workshop on the PSlums Project, Department of Housing, on April 20, 2018, SPA New Delhi

#### **Nilanjana Dasgupta Sur**

- Samvaad by Shivani Chaudhury, 14th December 2017, New Delhi.
- HUDCO Chair Special Lecture Series December 15 2017, New Delhi.
- National Workshop for PROMISE Project Launch and IUWM Toolkit Launch, organised by ICLEI South Asia 23rd and 24th November 2016, New Delhi.
- Workshop on the PSlums Project, Department of Housing, April 20, 2018, SPA New Delhi

- Workshop on “Engineering Interventions for Road Safety” organized by AITD under the Ministry of Road Transport and Highways , 24 April 2018 N. Delhi

**23. Courses and training programs of more than one week attended by the faculty of the department**

None

**24. Awards or recognitions received at the national and international level by the faculty, and students**

None

**25. Internal and external members of the Board of Studies (Advisory Committee)**

<b>Sl. No</b>	<b>Internal Members</b>
1	M Palaniappan Chairman
2	Prof. Dr. Sanjukta Bhaduri
3	Ms. Nilanjana Dasgupta Sur
	<b>External Members</b>
1	Prof. Dr. Abdul Razak Mohamed Dean, Faculty Welfare Department of Planning SPA Vijayawada
2	Shri J.K. Kapoor Associate Town and Country Planner TCPO New Delhi-110002
3	Dr. P. Jayapal Senior Executive Director (Project) HUDCO New Delhi - 110003

**26. Internal and external members of the Departmental Research Committee**

<b>Sl. No</b>	<b>Internal Members</b>
1	Prof. Dr. Sanjukta Bhaduri Chairman
	<b>External Members</b>
1	Dr. Shrawan Kumar Acharya Professor Centre for the Study of Regional Development

	School of Social Sciences Jawaharlal Nehru University
2	Dr. Haimanti Banerji Associate Professor Architecture and Regional Planning IIT, Kharagpur

**27. Prominent visitors to the department of studies:**

- Dr. Renu Khosla, Director, CURE, New Delhi

**28. Give details of activities under various MOUs during the reporting year (if any)**

Collaboration with CURE on the paper “Community Participation and Planning”. CURE conducted two workshops with the students. Also conducted primary survey to slums in Delhi. Based on this activity, students have documented their work in a form of report and have submitted to the department.

**29. Give details of ‘beyond syllabus scholarly activities’ of the department**

None

**30. Any other information**



## **LIBRARY**

Prof. Dr. Ranjana Mital  
**Chairperson**

Narendra Singh Dhami  
**Library and Information Officer**

Hargian Singh  
**Senior Library and Information Assistant**

Pramod Nabor  
**Library and Information Assistant**

Om Prakash  
**Junior Library Assistant**

The Library of the School continues 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 and universities. Library is equipped with computer and electronic facilities such as online resources to support teaching, learning and research activities of the School.

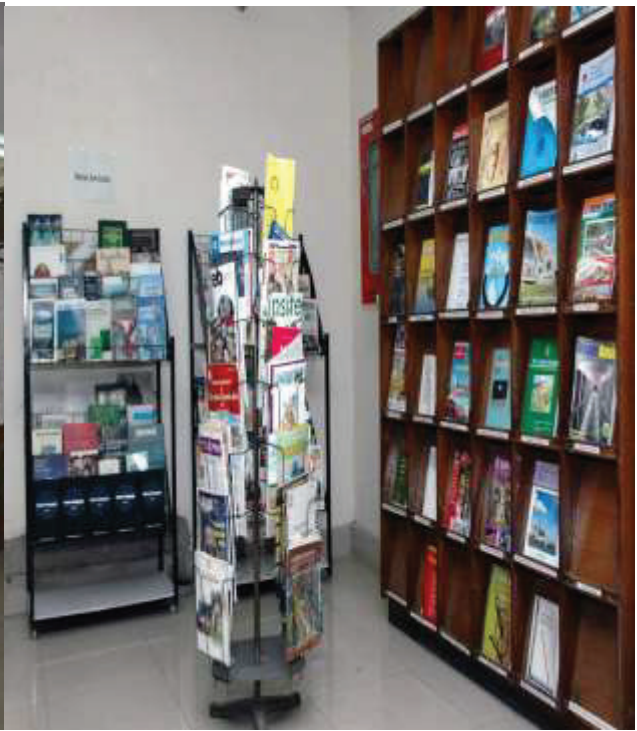
The School maintains well-stocked libraries in both Planning and Architecture campuses. Together these libraries are arguably one of the richest storehouses of books and documents in the fields of planning and architecture in the entire Asian region. During the period under report 117 books, 267 theses, 82 dissertations and 39 bound volumes of journals were added in the Library.

The Library has subscription to 50 print and e-journals and JSTOR with access to more than 2065 archived e-journals. The other resources such as World e-book Library, South Asia Archive, V-IDEO and other research reference of 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.

OPAC (Online Public Access Catalogue) 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 check-out by the users. Library providing single bar-coded 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 large collection and other online resources available through DELNET. 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 are available in both the libraries of the School.





# DOCUMENTATION CUM PUBLICATION UNIT

## Name and Designation of the Staff

Dr. Ashok Kumar  
Library and Information Officer

Ms. Kiran Kachroo Kaul  
Library and Information Assistant

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. In addition to the printing of stationery items for Examination Section and Store, Purchase and Maintenance Section, during the period 2017-18, DPU also brought out publications during the 2017-2018 as stated below:

- Annual Report 2016-17 (English )
- Annual Report 2016-17 (Hindi)
- SPACE Journal Vol. 20, No. 3-4, ( July –Dec. –2016)
- Thirty Fourth Convocation Booklet, Guest of Honor and Chief Guest Speech (19 January 2017)
- Seminars on Architecture 2015: Research and Documentation Report
- Printing of Degree Certificates and Degree Folder
- Printing of various posters (i.e. Anti-sexual Harassment, Good Governance Day, National Unity Day, Constitution Day, Vision Mission Poster of the School, and Swacch Bharat Abhiyan).
- Foundation Day Invitation Cards and Convocation Invitation Cards,
- Printing of office stationery
- Printing of examination stationery
- Printing of visiting cards, ID cards and parking stickers

DPU is also assisting in other administrative works assigned by the competent authority i.e. assisting in vigilance matters of the School, Convener, Internal Quality Assurance Cell of the School, Nodal Officer (Election), working as Public Information Officer for DPU related matters and updation and revision of School Website, any other work assigned from time to time.



## **INTERNAL QUALITY ASSURANCE CELL**

### **Faculty and Staff of the IQAC**

Position	Name of the faculty and staff
Prof. Dr. P.S.N. Rao	Head, IQAC
Prof. Dr. Ashok Kumar	Coordinator, IQAC
Dr. Ashok Kumar	Library and Information Officer

Internal Quality Assurance Cell was set up in 2013. Since its establishment, the IQAC undertook two important activities. First, the Internal Quality Assurance Cell offered induction training to the newly recruited faculty at Delhi. Second, it prepared and uploaded on SPA's website and submitted application to NAAC, Bangalore for institutional accreditation. The NAAC team visited the School and accredited the School. These two activities were coordinated by Prof. Dr. Ashok Kumar. During the period under reporting, the IQAC has performed the following functions:

- Editing and publication of the Annual Report 2016-17
- Coordination for the celebration of the National Unity Day
- Coordination for the celebration of the Constitution Day
- Editing of Convocation Booklets for the Guest of Honor and the Chief Guest Speech

The IQAC is also assisting in other administrative works assigned by the competent authority of the School from time to time.

## **CASS, GIS and RS**

### **1. Name of the Centre**

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

### **2. Names of academic programs offered by the Centre**

None

### **3. Year of establishment of the Centre**

Centre for Analysis and System Studies - 17 October 1986  
 Centre for Remote Sensing - 29 July 1999  
 Centre for Geographical Information System - 21 January 2003

### **4. Faculty profile:**

<b>Name of the Faculty</b>	<b>Educational Qualifications</b>	<b>Designation</b>	<b>Areas of Specialization</b>	<b>Years of Experience</b>
Rabidyuti Biswas	B.E. (Civil) Master of Regional Planning (IIT Kgp), PhD (IIT Roorkee)	Professor of Physical Planning, Head CASS/GIS/ RS	Regional Planning, Infrastructure Planning and Management	24

### **5. Details of teaching work undertaken by the regular faculty in the Centre:**

<b>Name of the Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours</b>
Not applicable			

### **6. Details of teaching work undertaken by the regular faculty in the other departments in the School:**

<b>Name of the Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours</b>
Not applicable			

**7. (a) Details of teaching work undertaken by the visiting professors, etc. in the Centre:**

<b>Name of the Visiting Faculty</b>	<b>Semester</b>	<b>Subjects (Theory and Studios)</b>	<b>Hours per week</b>
Jai Ghildiyal	1 <sup>st</sup> year 2 <sup>nd</sup> Sem (HSG).	Computer and its Applications	2
Dr. Manish Kumar	1 <sup>st</sup> year 1 <sup>st</sup> Sem (Architecture Conservation)	GIS Basic Theory	1
Dr. Manish Kumar	1 <sup>st</sup> Year 2 <sup>nd</sup> Sem (Architecture Conservation)	GIS Advance Theory	1
Dr. Manish Kumar	1 <sup>st</sup> Year 2 <sup>nd</sup> Sem (Urban Planning)	Quantitative methods and GIS Applications	1

**(b) Details of Special Lectures undertaken in the Centre:**

<b>Name of the Expert</b>	<b>Semester</b>	<b>Topic</b>	<b>Date</b>
Dr. Manish Kumar	For All Students	Certificate Course in GIS and its Applications in Planning.	09 Sep to 30 Sep 2017. (only Saturday)
Dr. Jai Ghildiyal	For All Students	Archibus "Building Lifecycle Management" Short Term Training Programme	11 Sep to 15 Sep 2017.
Naveen and Vishal	For All Students	Vectorworks "Transform the World Design with Vectorworks"	25 Sep to 29 Sep 2017.
Dr. Manish Kumar	For All Students	Advance Course in GIS Application in Urban and Environmental Planning	28 <sup>th</sup> Oct. to 11 <sup>th</sup> November (only Saturday)

**8. Department involvement in inter disciplinary programs and names of other departments involvement:**

Not applicable

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

Not applicable

**10. Give semester-wise details of the studio work undertaken by the students restricting description of one studio to a maximum of 100 words:**

Name of the Studio	Precise Objectives of the Studio	Case Description	Study	Major Conclusions and Outcomes
Not applicable				

**11. Provide details of the thesis topics researched by the students of the final year class:**

Roll No.	Name of the Student	Thesis Topic
Not applicable		

**12. Provide details of the thesis topics being researched by the doctoral students in the Centre:**

Year of Enrollment	Name of the Student	Thesis Topic	Name of the Research Supervisor	Remarks if any
Not applicable				

**13. Research thrust areas of the Centre**

- GIS application in spatial planning.

**14. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received.**

Name of the Project	Thrust Area	Expected Outcomes	Total Fee
None			

**15. Inter-institutional collaborative projects and associated grants received (a) National collaboration (b) International collaboration**

Not applicable

**16. Research facilities or Centre (s) in the Department.**

Name of the Centre of facility	Thrust Area	Expected Outcomes	Total Grant
Not applicable			

**17. Give details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty.**

Not applicable

**18. Give details of other publication made by regular faculty of the department of studies.**

Not applicable

- 19. Faculty selected nationally or internationally to visit other laboratories or institutions or industries in India and abroad.**

Not applicable

- 20. Faculty serving in (a) National Committees (b) International Committees (c) Editorial Boards (d) Any other (please specify).**

Not applicable

- 21. Exhibitions, Seminars or workshops organized by the students and faculty of the Centre.**

Not applicable

- 22. Seminars or workshops attended by the faculty of the department.**

Not applicable

- 23. Coursed and training programs of more than one week attended by the faculty of the Centre.**

Not applicable

- 24. Awards or recognitions received at the national and international level by the faculty, and students.**

Not applicable

- 25. Internal and external members of the Board of Studies.**

Not applicable

- 26. Internal and external members of the Department Research Committee**

Not applicable

- 27. Prominent Visitors to the department of studies:**

Not applicable

- 28. Give details of activities under various MOUs during the reporting year.**

Not applicable

- 29. Details of 'beyond syllabus scholarly activities' of the department.**

Not applicable

### **30. Any other information (Activities or achievements not covered earlier)**

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

- Maintaining and managing complete Biometric based attendance system.
- Managing and maintaining SPA web-site.
- Supporting in purchase of new peripherals for the school.
- Managing and uploading tenders of Purchase and maintenance section on Government e-tender.
- Preparing Tenders for Purchase and Maintenance Section.
- Support in Computerization of Admission work, Examination work, Results, Grading system CGPA/DGPA.

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

- Asset and Inventory Management of all IT related assets like Servers, PCs, Printers, and 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, SPSS and Primavera Software both for desktop and server based.
- Managing day to day calls and closes them according to their priority and SLA
- Rectifying Network issues in Planning and 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, MS office, Adobe Reader, Antivirus, Windows 7, Windows 8, Windows 10, Linux, Mac OS
- Managing Antivirus Server Solution on Server and Client machine.
- Firewall Management (UTM Cyberoam 300ing) for blocking un-authorize 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.
- Taking classes through the Google class room services.
- Assignment submission for the students through Google services.
- Feedback/survey submission through question pro services.
- 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 and EC, Power and Function for various Officers, Annual Report, Academic

Syllabus through local Network/Intranet.

- Student enrollment for Data base creation
- 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 and 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 and 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 updation of website content.
- Creation of E-mail id 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 Swacch Bharat, Aishe, e-scholarship portals.

**(d) Support Staff:**

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

**(e) 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 ICT facility</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 LAN Points</li> </ul>	One One	Use of Projector with Smart Interactive Board	One GIS Lab	One for CASS

<b>Hardware</b>	<b>Name</b>	<b>Quantity</b>	<b>Company/Model</b>
• Computer	HP Machines Mac Machines	47 (27 GIS, 20 CASS) 5 (CASS)	HP Apple
• Printers, Scanners and Plotters	Laser Jet	8 1	HP Canon





• Bentley- STADD. Pro				
• MacAfee Anti-virus				

Other Equipment (i.e. Camera, Calculator, handy cam etc.	Name	Quantity	Company/Model
Webcam	Logitech	1	Logitech

**(f) Infrastructure and facilities available in Remote Sensing Lab**

Hardware		Quantity
1 Digital Plano meter (X Plan 360 (c))		1
2 Calculators (Scientific)		2
3 OHP with Screen		1
4 Parallax Bars		6
5 Slide Projector		1
6 Stereoscope Pocket		8
7 Prism Stereoscope		5
8 Mirror Stereoscope		8
9 LCD Sugapavel Projector		1
10 Optical Reflecting Projector		1
11 Optical Pantograph		1
12 Scanning Mirror Stereoscope		1
13 Epidiascope		1
S.No.	Aerial Photographs	Quantity
1.	Jaipur Rajasthan Task No. 798-B:39/85	136
2.	Jaipur Rajasthan Task No. 798-B 39/86	184
3.	Banswara Rajasthan 1350-B	113
4.	Ujjain 1108-B	73
5.	Sidhi Madhya Pradesh 1296-B	55
6.	Ganga Nadi (Jaunpur, Azamgarh and Ghazipur) 1400 A	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

## **AUTHORITIES OF THE SCHOOL**

The authorities of the School as per the School of Planning and Architecture, Act, 2014 to establish and declare School of Planning and Architecture as the Institution of National Importance in order to promote education and research in architectural studies including planning and human settlements. Following are the authorities of the School:

- SPA Council with the Chairpersonship (ex-officio) of Minister Incharge of the MHRD.
- Board of Governors with the Chairperson appointed by the Visitor.
- Senate with the Chairman, Director of the School
- Finance Committee with the Chairperson, Board of Governors of the School
- Building and Works Committee with Director of the School as its Chairman
- Such other authorities as may be declared

The powers and functions of these Bodies are laid down in the SPA, Act 2014 and SPA Statutes, 2016. During the year under report (1 April 2017 to 31 March 2018), the following meetings were held:-

(i)	SPA Council	--
(ii)	Board of Governors	3 meetings
(iii)	Senate	2 meetings
(iv)	Finance Committee	5 meetings
(v)	Building and Works Committee	5 meetings

## SPA COUNCIL

33 (2)	(a)	The Minister in charge of the Ministry or Department of the Central Government having administrative control of the technical education, ex officio; as Chairperson	Chairperson, ex officio;
	(b)	Two Members of the Parliament of India (one Member to be nominated by the Speaker of Lok Sabha and one member to be nominated by the Chairman of Rajya Sabha), es officio;	Shri Bhagwanth Khuba, Member of Parliament (Lok Sabha) is nominated by the Speaker of Lok Sabha
			Shri G.V.L. Narasimha Rao, Member of Parliament (Rajya Sabha) is nominated by the Chairman of Rajya Sabha
	(c)	The Secretary to the Government of India in charge of the Ministry or Department of the Central Government having administrative control of the technical education, ex officio, as Vice-Chairperson	Vice-Chairperson, ex officio
	(d)	The Chairperson of every Board, ex officio;	Member, ex officio
	(e)	The Director of every School, ex officio;	Member, ex officio
	(f)	The Chairman, University Grant Commission, ex officio;	Member, ex officio
	(g)	The President, Council of Architecture, New Delhi, ex officio;	Member, ex officio
	(h)	The President, Institute of Town Planners, India, ex officio;	Member, ex officio
	(i)	The Chairman, Indian Institute of Architects, ex officio;	Member, ex officio
	(j)	The President, Institute of Surveyors of India, ex officio;	Member, ex officio
	(k)	Two Secretary to the Government of India to represent the Ministries or Departments of the Central Government dealing with Urban Development and Defence, ex officio;	Member, ex officio
	(l)	The Chairman, All India Council for Technical Education, ex officio;	Member, ex officio
(m)	Three persons to be nominated by the Visitor, at least one of whom shall be a woman, having special knowledge or practical experience in respect of Architecture or Landscape Architecture or Urban Design and one from Urban and	Ar. Prakash S. Deshmukh, former National President, Indian Institute of Architects, Mumbai is nominated by the Visitor.	

	Regional Planning, ex officio;	Prof. N. Kavita Daryani Rao, Vice-Chancellor, Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad is nominated by the Visitor.
		Prof. (Ar.) S.V. Sahashabudhe, Former Head of Department, Department of Architecture and Planning, Maulana Azad National Institute of Technology (MANIT), Bhopal is nominated by the Visitor.
(n)	Two Secretaries to the State Government, from amongst the Ministries or Departments of that Government dealing with technical education where the Schools are located, ex officio;	Member, ex officio;
		Member, ex officio;
(o)	Financial Advisor, dealing with the Ministry of Human Resource Development, Department of the Central Government, ex officio; and	Member, ex officio;
(p)	One officer not below the rank of Joint Secretary to the Government of India in the Ministry or Department of the Central Government having administrative control of the Technical Education, ex officio;, as Member Secretary.	Member-Secretary, ex officio;

## BOARD OF GOVERNORS

13 (2)	(a)	Chairman to be appointed by the Visitor from among a panel of three names recommended by Central Government who shall be an eminent Architect or Planner;	Ar. Amogh Kumar Gupta 15, Amaltas Phase-I, Chuna Bhatti, Bhopal-462016
	(b)	Principal Secretary or Secretary Technical Education or Higher Education of the respective State Government or Union territory in which the School is situated;	Smt. Punya Salila Srivastava Secretary, Training and Technical Education, Govt. of NCT, Muni Mayaram Marg, Pitampura, Near TV Tower, Delhi- 110088
	(c)	One representative from Institute of Town Planners, India to be nominated by the President of the Institute of Town Planners, India;	Prof. Dr. D.S. Meshram President, Institute of Town Planners, 4-A, Ring Road, I.P. Estate, New Delhi-110002
	(d)	One representative from Council of Architecture to be nominated by the President of the Council of Architecture.	Ar. Balbir Verma K – 11, Kailash Colony New Delhi-110048 (w.e.f. 06.03.2017 to 05.01.2018)
	(e)	A representative from the All India Council for Technical Education to be nominated by the Chairman of All India Council of Technical Education;	Prof. Subrata Chattopadhyay Professor and Head of Architecture and Regional Planning Department IIT, Kharagpur-721302
	(f)	A representative of the University Grants Commission;	Prof. Vir Singh Department of Physics, Indian Institute of Technology, Roorkee -247667
	(g)	One expert from the professions of architecture or landscape architecture or urban design and one from Urban and Regional Planning nominated by the Council of School of Planning and Architecture;	Yet to receive nomination
	(h)	A representative of Senate; one each from Department of Planning and Department of Architecture, by rotation, for a period of two years, in order of Seniority;	(1) Prof. Dr. Mandeep Singh Professor of Architecture, SPA, New Delhi-110002  (2) Prof. Dr. Mahavir Professor of Planning, SPA, New Delhi-110002

(i)	Two persons not below the rank of Joint Secretary to the Government of India to be nominated by the Central Government from amongst persons dealing with technical education and finance or their nominee, ex officio;	<p>Shri S. P. Goyal Joint Secretary (NITs and DL) Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi-110001</p> <p>Shri R. Subrahmanyam, IAS, Additional Secretary (TE), Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi-110001 (w.e.f. 01/06/2017)</p> <p>Dr. Sukhbir Singh Sandhu, Additional Secretary (TE), Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi-110001 (w.e.f. 13/03/2018)</p>
		Ms. Darshana M. Dabral, JS and FA Government of India, MHRD, Dept. of Higher Education Technical Section – VI, Shastri Bhawan, New Delhi-110001
(j)	One person not below the rank of Joint Secretary to the Government of India to be nominated by the Government of India, Ministry of Urban Development;	Dr. Sameer Sharma Addl. Secretary (Smart Cities) Ministry of Urban Development Maulana Azad Rd, Nirman Bhawan, New Delhi- 110011
(k)	The Director of the School, Member, ex-officio;	<p>Prof. Chetan Vaidya Director SPA, New Delhi – 110002</p> <p>Prof. Dr. N. Sridharan Director (Additional Charge) SPA, New Delhi – 110002 (w.e.f. 21/09/2017)</p> <p>Prof. Dr. P.S.N. Rao Director SPA, New Delhi – 110002 (w.e.f. 16/02/2018)</p>
(l)	The Registrar of the School shall act as a	Prof. Dr. Sewa Ram

		<b>Secretary to the Board</b>	<b>Registrar- Secretary</b> <b>SPA, New Delhi – 110002</b>  <b>Prof. Dr. Sanjay Gupta</b> <b>Registrar (In-Charge) – Secretary</b> <b>SPA, New Delhi – 110002</b> <b>w.e.f 24/01/2018</b>
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## SENATE

16 (1)	(a)	The Director of the School, Chairman of the Senate	<p>Prof. Chetan Vaidya Director SPA, New Delhi – 110002</p> <p>Prof. Dr. N. Sridharan Director (Additional Charge) SPA, New Delhi – 110002 (w.e.f. 21/09/2017)</p> <p>Prof. Dr. P.S.N. Rao Director SPA, New Delhi – 110002 (w.e.f. 16/02/2018)</p>
	(b)	Five persons, from amongst the educationists of repute or eminent professional, who are not in the service of the School, nominated by the Chairperson of the Board of Governors.	<p>Prof. Dr. Ranee Maria Leonie Vedaumuthu Dean , School of Architecture and Planning Anna University, Chennai – 600025</p>
			<p>Prof. B. K. Sengupta CA-127, Salt Lake City, Sector -1, Kolkata -700064 West Bengal</p>
			<p>Prof. Alok Ranjan Dept. of Architecture, MNIT, Jawahar Lal Nehru Marg, Jhalana Gram, Malviya Nagar, Jaipur, Rajasthan-302017</p>
			<p>Prof. Rajiv Mishra Principal, Sir J.J. College of Architecture, 78/3, Dr. D. N. Road, Mumbai- 400001.</p>
			<p>Prof. Dr. Yogesh Garg Department of Architecture and Planning, Maulana Azad National Institute of Technology, 16, Amaltas Phase – I , Chuna Bhatti, Kolar Road, Bhopal-462016</p>
(c)	A nominee of the Institute of Town Planners, India	Prof. Dr. Najamuddin Institute of Town Planners, 4-A, Ring Road, I.P. Estate, New Delhi-110002	
(d)	A nominee of the Council of Architects	Ar. Soumyendu Shankar Ray M/s Vastukar Architects,	



		2855, Nageswar Tangi, Bhubaneswar-751002
(e)	A nominee of All India Council for Technical Education	Ar. Ashutosh Kr. Agarwal Architect-Urban Designer, 201-222 (2 <sup>nd</sup> Floor), A-2 Acharya Niketan, Mayur Vihar Phase -1, New Delhi-110091
(f)	Dean of Studies of Academic, Research, Students Affairs, Faculty Welfare and Planning and Development of the School.	<p>Prof. Dr. Mahavir Dean (Academic) and Professor of Planning SPA, New Delhi-110002</p> <p>Prof. Dr. Priyaleen Singh Dean (Faculty Welfare) and Professor of Architectural Conservation SPA, New Delhi-110002</p> <p>Prof. Dr. Vinay Maitri Dean (Students Affairs) and Professor of Programming, SPA, New Delhi-110002</p> <p>Prof. Dr. Sanjukta Bhaduri Dean (Research) and Professor of Urban Planning SPA, New Delhi-110002</p> <p>Prof. Dr. V.K. Paul Dean (Planning and Development) and Professor of BEM SPA, New Delhi-110002</p>

	(g)	All Heads of the Department of Studies	<p>Prof. Dr. Rommel Mehta Head of the Deptt of Landscape Architecture SPA, New Delhi-110002 (Retired)</p> <p>Ms. Anuradha Chaturvedi Head of the Deptt of Landscape Architecture (Addl. Charge) SPA, New Delhi-110002 w.e.f. 01/01/2018</p> <p>Prof. Dr. Ashok Kumar Head of the Dept. of Housing SPA, New Delhi-110002</p> <p>Prof. Dr. Mayank Mathur Head of the Dept. of Housing SPA, New Delhi-110002 w.e.f. 15/12/2017</p> <p>Prof. Manoj Mathur Head of the Dept. of Architecture SPA, New Delhi-110002</p> <p>Prof. Dr. Sanjay Gupta Head of the Dept. of Transport Planning SPA, New Delhi-110002</p> <p>Prof. Dr. Meenakshi Dhote Head of the Dept. of Environmental Planning SPA, New Delhi-110002</p> <p>Prof. Dr. Anil Dewan Head of the Dept. Building Engineering and Management SPA, New Delhi-110002</p> <p>Prof. Dr. Jaya Kumar Head of the Dept. Building Engineering and Management SPA, New Delhi-110002 w.e.f. 15/12/2017</p> <p>Prof. Dr. R. Biswas Professor of Physical Planning SPA, New Delhi-110002</p> <p>Prof. Dr. Poonam Prakash Head of the Dept. of Physical Planning SPA, New Delhi-110002 w.e.f. 15/12/2017</p>
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		<p>Prof. Dr. Vinita Yadav Head of the Dept. of Regional Planning SPA, New Delhi-110002</p>
		<p>Ms. Anuradha Chaturvedi Head of the Dept. of Architectural Conservation SPA, New Delhi-110002</p>
		<p>Shri M. Palaniappan Head of the Dept. of Urban Planning, SPA, New Delhi-110002</p>
		<p>Shri Arunava Dasgupta Head of the Dept. of Urban Design SPA, New Delhi-110002</p>
		<p>Shri Parag Anand Meshram Head of the Deptt of Industrial Design SPA, New Delhi-110002</p>
(h)	All Professors other than the Heads of the Departments	<p>Prof. Dr. Mandeep Singh Professor of Architecture SPA, New Delhi-110002</p>
		<p>Prof. Dr. Priyaleen Singh Professor of Architectural Conservation SPA, New Delhi-110002</p>
		<p>Prof. Dr. P. K. Sarkar Professor of Transport Planning SPA, New Delhi-110002</p>
		<p>Prof. Dr. Vinay Maitri Professor of Programming, SPA, New Delhi-110002</p>
		<p>Prof. Dr. Sanjukta Bhaduri Professor of Urban Planning SPA, New Delhi-110002</p>
		<p>Prof. Y.K. Jain Professor of Civil Engineering Department of Architecture SPA, New Delhi-110002</p>
		<p>Prof. Dr. Ashok Kumar Professor of Housing SPA, New Delhi-110002</p>
		<p>Prof. Dr. P.S.N. Rao Professor of Housing SPA, New Delhi-110002</p>
		<p>Prof. Dr. Aruna Ramani Grover Professor of Architecture SPA, New Delhi-110002</p>
		<p>Prof. Dr. Anil Dewan Professor of Building Engineering</p>

			and Management SPA, New Delhi-110002
			Prof. Dr. Jaya Kumar Professor of Architecture SPA, New Delhi-110002
			Prof. Dr. Ranjana Mittal Professor of Architecture SPA, New Delhi-110002
			Prof. Dr. Mayank Mathur Professor of Physical Planning SPA, New Delhi-110002
			Prof. Dr. R. Biswas Professor of Physical Planning SPA, New Delhi-110002
			Prof. Dr. Poonam Prakash Professor of Physical Planning SPA, New Delhi-110002
			Prof. Dr. Sewa Ram Professor of Transport Planning SPA, New Delhi-110002
	(i)	Four Members of the teaching staff, representing Associate Professors and the Assistant Professor of the School, by rotation, for a period of two years.  Provided that an employee of School Shall not be eligible for the membership referred to in clause (b), (c), (d) and (e)	Dr. P. Rajaprakash Assistant Professor of Architecture SPA, New Delhi-110002
			Shri S. K. Aaditya Assistant Professor of Architecture SPA, New Delhi-110002
			Ms. Krity Gera Assistant Professor of Industrial Design SPA, New Delhi-110002
			Ms. Parul Kiri Roy Assistant Professor of Architecture SPA, New Delhi-110002
	(2)	The team of the Member of the Senate other than ex-officio Member shall be two years	
		Registrar of the School	Prof. Dr. Sewa Ram Registrar- Secretary SPA, New Delhi – 110002  Prof. Dr. Sanjay Gupta Registrar (In-Charge) – Secretary SPA, New Delhi – 110002 w.e.f 24/01/2018

## FINANCE COMMITTEE

10 (1)	(i)	The Chairperson, Board of Governors, ex-officio Chairperson;	Ar. Amogh Kumar Gupta Chairperson-FC 15, Amaltas Phase-I, Chuna Bhatti, Bhopal-462016
	(ii)	The Director, ex-officio member;	Prof. Chetan Vaidya Director SPA, New Delhi – 110002  Prof. Dr. N. Sridharan Director (Additional Charge) SPA, New Delhi – 110002 (w.e.f. 21/09/2017)  Prof. Dr. P.S.N. Rao Director SPA, New Delhi – 110002 (w.e.f. 16/02/2018)
	(iii)	Joint Secretary, dealing with School of Planning and Architecture in the Ministry of Human Resource Development, or his nominee;	Shri S.P. Goyal Joint Secretary (NITs and DL) Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi-110001  Shri R. Subrahmanyam, IAS, Additional Secretary (TE), Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi-110001 (w.e.f. 01/06/2017)  Dr. Sukhbir Singh Sandhu, Additional Secretary (TE), Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi-110001 (w.e.f. 13/03/2018)
	(iv)	Joint Secretary and Financial Advisor in the Ministry of Human Resource Development, or his nominee;	Ms. Darshana M. Dabral, JS and FA Govt. of India, MHRD, Dept. of Higher Education Technical Section – VI, Shastri Bhawan, New Delhi-110001.
	(v)	Two persons nominated by the Board from	Ar. Balbir Verma

	amongst its members, till they remain members of the Board; and	<p>K – 11, Kailash Colony New Delhi-110048 (w.e.f. 06.03.2017 to 05.01.2018)</p> <p>Dr. D.S. Meshram President, Institute of Town Planners, 4-A, Ring Road, I.P. Estate. New Delhi-110002</p>
(vi)	Registrar, ex-officio Secretary;	<p>Prof. Dr. Sewa Ram Registrar- Secretary SPA, New Delhi – 110002</p> <p>Prof. Dr. Sanjay Gupta Registrar (Incharge) – Secretary SPA, New Delhi – 110002 (w.e.f. 24/01/2018)</p>

## BUILDING AND WORKS COMMITTEE

12 (1)	(i)	Director, ex-officio Chairperson;	<p>Prof. Chetan Vaidya Director SPA, New Delhi – 110002</p> <p>Prof. Dr. N. Sridharan Director (Additional Charge) SPA, New Delhi – 110002 (w.e.f. 21/09/2017)</p> <p>Prof. Dr. P.S.N. Rao Director SPA, New Delhi – 110002 (w.e.f. 16/02/2018)</p>
	(ii)	One member nominated by the Central Government not below the rank of Director or Deputy Secretary in the Ministry of Human Resource Development dealing with the Schools of Planning and Architecture;	<p>Dr. B.K. Bhadri Assistant Educational Adviser (DL) Ministry of Human Resource Development, Department of Higher Education, Government of India, Shastri Bhawan, New Delhi-110001</p>
	(iii)	One member nominated by the Board of Governors;	<p>Prof. Dr. Nitin Dindorkar Deptt. of Civil Engineering, Maulana Azad National Institute of Technology, Bhopal-462016</p>
	(iv)	Dean, Planning and Development or Similar position;	<p>Prof. Dr. V.K. Paul Dean, Planning and Development and Professor of BEM School of Planning and Architecture, New Delhi-110002</p>
	(v)	One expert from the Civil and one Electrical Engineering Wing of Central or State Government or any autonomous body of repute; and	<p>Shri Gajendra Kumar CPWD, Office of Superintending Engineer (Civil), Delhi Central Circle V, East Block-IV, Level-IV, R.K. Puram, New Delhi-110066</p> <p>Shri R.S. Rao CPWD, Office of Superintending Engineer (Civil), Delhi Central Circle V, East Block-IV, Level-IV, R.K. Puram, New Delhi-110066 w.e.f.24/10/2017</p> <p>Shri B.R. Pasi CPWD (Electrical), East Block-III, Level-VII, R.K. Puram, New Delhi-110066</p>
	(vi)	Registrar of the School	<p>Prof. Dr. Sewa Ram</p>

			<p>Registrar- Secretary SPA, New Delhi – 110002</p> <p>Prof. Dr. Sanjay Gupta Registrar (In-Charge) – Secretary SPA, New Delhi – 110002 w.e.f 24/01/2018</p>
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**School of Planning and Architecture  
Annual Accounts  
2017-2018**

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**BALANCE SHEET AS ON 31-03-2018**

(Amount Rs.)

<b>SOURCES OF FUNDS</b>	<b>Schedule</b>	<b>Current Year</b>	<b>Previous Year</b>
CORPUS/CAPITAL FUND	1A	1,24,31,887	99,34,305
RESERVES/SURPLUS	1B	(6,90,29,181)	(5,52,91,109)
DESIGNATED/ EARMARKED/ENDOWMENT FUNDS	2	21,83,01,807	21,51,13,199
CURRENT LIABILITIES AND PROVISIONS	3	18,06,47,650	16,91,75,718
<b>TOTAL</b>		<b>34,23,52,163</b>	<b>33,89,32,113</b>

<b>APPLICATION OF FUNDS</b>	<b>Schedule</b>	<b>Current Year</b>	<b>Previous Year</b>
<b>ASSETS</b>			
<b>FIXED ASSETS</b>			
Tangible Assets	4A	12,44,26,590	12,77,11,627
Capital Work in Progress	4B	1,20,02,423	69,48,738
INVESTMENTS-FROM EARMARKED/ENDOWMENT FUNDS	5	1,46,85,120	2,21,10,070
INVESTMENTS-OTHERS	6	1,20,00,000	66,90,236
CURRENT ASSETS	7	12,82,86,191	12,24,27,403
LOANS, ADVANCES AND DEPOSITS	8	5,09,51,839	5,30,44,039
<b>TOTAL</b>		<b>34,23,52,163</b>	<b>33,89,32,113</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**

Sd/-  
**CA. RAJAT DAGA**  
PARTNER

Sd/-  
**GIRISH KUMAR**  
ASSISTANT REGISTRAR (A&B)

Sd/-  
**UMAKANT AGARWAL**  
REGISTRAR

Sd/-  
**PROF. DR. P.S.N. RAO**  
DIRECTOR

PLACE : NEW DELHI  
DATE : 27-09-2018

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD ENDED 31-03-2018**

(Amount Rs.)

INCOME	Schedules	Current Year	Previous Year
ACADEMIC RECEIPTS	9	6,30,43,312	6,10,29,382
GRANTS/SUBSIDIES RECEIVED	10	37,04,00,000	33,74,00,000
INTEREST EARNED	11	76,42,908	52,04,398
OTHER INCOME	12	1,55,46,315	1,33,95,514
<b>TOTAL (A)</b>		<b>45,66,32,535</b>	<b>41,70,29,294</b>
<b>EXPENDITURE</b>			
STAFF PAYMENTS AND BENEFITS	13	30,58,36,229	31,31,77,481
ACADEMIC EXPENSES	14	3,38,07,123	3,61,08,178
ADMINISTRATIVE AND GENERAL EXPENSES	15	10,67,37,907	9,15,64,935
TRANSPORTATION EXPENSES	16	3,31,534	3,45,265
REPAIR & MAINTENANCE EXPENSES	17	1,55,57,052	1,58,36,698
OTHER EXPENSES	18	81,00,762	50,26,334
<b>TOTAL (B)</b>		<b>47,03,70,607</b>	<b>46,20,58,891</b>
<b>BALANCE BEING EXCESS OF EXPENDITURE OF INCOME (A-B)</b>		<b>(1,37,38,072)</b>	<b>(4,50,29,597)</b>
TRANSFER TO SPECIAL RESERVE (SPECIFY EACH)		-	-
TRANSFER TO /FROM GENERAL RESERVE		-	-
<b>BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO RESERVES AND SURPLUS</b>		<b>(1,37,38,072)</b>	<b>(4,50,29,597)</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

Sd/-  
 CA. RAJAT DAGA  
 PARTNER

Sd/-  
 GIRISH KUMAR  
 ASSISTANT REGISTRAR (A&B)

Sd/-  
 UMAKANT AGARWAL  
 REGISTRAR

Sd/-  
 PROF. DR. P.S.N. RAO  
 DIRECTOR

PLACE : NEW DELHI  
 DATE : 27-09-2018

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2018**

(Amount Rs.)

<b>SCHEDULE 1 - CORPUS/CAPITAL FUND</b>	<b>Current Year</b>	<b>Previous Year</b>
<b>A) Corpus Fund</b>		
Balance as at the beginning of the year	99,34,305	62,74,950
Add: Contributions towards Corpus Fund	-	
Transfer from Consultancy Fund	14,90,828	13,01,855
Transfer from DASA Fees	10,06,754	23,57,500
<b>Total A</b>	<b>1,24,31,887</b>	<b>99,34,305</b>
<b>B) Reserves and Surplus</b>		
Balance as at the beginning of the year	(5,52,91,109)	(1,02,61,512)
Add: Excess of Income over expenditure transferred from the Income & Expenditure Account	(1,37,38,072)	(4,50,29,597)
<b>Total B</b>	<b>(6,90,29,181)</b>	<b>(5,52,91,109)</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2018**

		Fund Wise Breakup		Total	
		Fixed Asset & Building Fund	Endowment Fund (Schedule-2A)	Current Year	Previous Year
<b>SCHEDULE 2 - DESIGNATED / EARMARKED / ENDOWMENT FUNDS</b>					
<b>A</b>					
	a) Opening balance of the funds	21,42,66,127	8,47,072	21,51,13,199	21,85,51,953
	b) Additions during the year:			-	-
	1) Income from Investments made on account of funds		66,267	66,267	63,501
	2) Accrued Interest on Investment/Advances			-	-
	3) Interest on Saving Bank A/c			-	-
	4) Addition of new fund		-	-	-
	i) Gifted Capital	-		-	11,321
	ii) Capital Expenditure - Plan	1,00,00,000		1,00,00,000	1,00,00,000
	iii) Capital Expenditure - Non Plan			-	-
	<b>TOTAL (A)</b>	<b>22,42,66,127</b>	<b>9,13,339</b>	<b>22,51,79,466</b>	<b>22,86,26,775</b>
	<b>B</b>				
	Utilisation/Expenditure towards objectives of funds			-	-
	i. Capital Expenditure- depreciation	68,77,659	-	68,77,659	1,33,94,041
	ii. Revenue Expenditure	-	-	-	1,19,535
	<b>TOTAL (B)</b>	<b>68,77,659</b>	<b>-</b>	<b>68,77,659</b>	<b>1,35,13,576</b>
	<b>Closing Balance at the year end (A-B)</b>	<b>21,73,88,468</b>	<b>9,13,339</b>	<b>21,83,01,807</b>	<b>21,51,13,199</b>

(Amount Rs.)

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2018**

<b>SCHEDULE 2A. ENDOWMENT FUNDS</b>							<b>(Amount Rs.)</b>	
S.No.	Name of the Endowment	Opening Balance		Addition during the year		Total	Expenditure on the object during the year	Closing Balance
		Endowment with Interest			Interest			
1	Shreya Anand Gold Medal A/c.	89,189		-	8,076	97,265	-	97,265
2	Nomi Bose Endowment	(7,590)		-	282	(7,308)	-	(7,308)
3	Prof. S.K. Narayana Gold Medal	98,230		-	8,076	1,06,306	-	1,06,306
4	Ved Prakash Saini Memorial Award	920		-	969	1,889	-	1,889
5	Subash Paranjape Mamorial Award	25,540		-	709	26,249	-	26,249
6	Krishna Saini Gold Medal	38,436		-	2,530	40,966	-	40,966
7	Prof. C.M. Master Memorial Award	(71)		-	-	(71)	-	(71)
8	Narendra Juneja Memorial Award	1,36,300		-	6,461	1,42,761	-	1,42,761
9	Setur Ananamma Award	2,056		-	-	2,056	-	2,056
10	Prof. T.J. Manickam Memorial Award	(69,569)		-	4,846	(64,723)	-	(64,723)
11	L.R. Vagle	70,590		-	4,038	74,628	-	74,628
12	Vandana Goel Gold Medal Fund	1,34,629		-	11,381	1,46,010	-	1,46,010
13	M.R. Aghihotri Fund	23,202		-	1,615	24,817	-	24,817
14	N.S. Saini Gold Medal	1,04,127		-	-	1,04,127	-	1,04,127
15	J.K. Chaudhary Fund Trust	2,01,083		-	17,284	2,18,367	-	2,18,367
	<b>Total</b>	<b>8,47,072</b>		<b>-</b>	<b>66,267</b>	<b>9,13,339</b>	<b>-</b>	<b>9,13,339</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2018**

	Current Year			Previous Year	
	School	Consultancy Fund	Total	Total	Total
<b>SCHEDULE 3 - CURRENT LIABILITIES &amp; PROVISIONS</b>					
<b>A. CURRENT LIABILITIES</b>					
1. Deposits from staff	12,87,390		12,87,390	12,93,392	12,93,392
2. Security Deposits from students	2,01,36,165		2,01,36,165	1,88,13,095	1,88,13,095
3. Student Association fees	1,85,85,196		1,85,85,196	1,71,85,982	1,71,85,982
4. Sundry Creditors			-	-	-
a) For Goods and Services	20,20,905		20,20,905	2,18,847	2,18,847
b) Others	4,43,795		4,43,795	2,33,962	2,33,962
5. Deposits-Others (Including EMD, Security Deposit)			-	-	-
a) Deduction from Salary	36,69,114		36,69,114	29,21,875	29,21,875
b) Earnest Money Deposit/Security Deposit	42,19,224		42,19,224	56,93,413	56,93,413
6. Statutory Liabilities			-	-	-
a) Overdue			-	-	-
b) Others	21,64,280		21,64,280	26,99,164	26,99,164
7. Other Current Liabilities			-	-	-
a) Salaries	86,74,168		86,74,168	-	-
b) Sponsored projects	2,33,27,908		2,33,27,908	3,19,91,523	3,19,91,523
c) Sponsored fellowship & Scholarships	54,56,392		54,56,392	61,21,542	61,21,542
d) Unutilised Grants			-	-	-
e) Grants in advance			-	-	-
f) Other Liabilities	1,11,610		1,11,610	92,305	92,305
g) Payable to consultancy project subsidiary accounts			3,54,79,518	3,16,28,455	3,16,28,455
h) Outstanding Expenses			-	-	-
Academic Expense			-	-	-
Administrative Expense	87,08,520		87,08,520	1,58,75,506	1,58,75,506
Repair and Maintenance	2,77,106		2,77,106	2,90,750	2,90,750
Establishment Expense	56,49,503		56,49,503	1,13,73,469	1,13,73,469
Concerned PDF Departments			1,06,35,789	85,91,862	85,91,862
i) Stale Cheques	55,78,957		55,78,957	32,80,991	32,80,991
j) Leave Salary Contribution	5,62,652		5,62,652	5,03,039	5,03,039
k) Pension Contribution	9,46,407		9,46,407	8,28,100	8,28,100
l) Pension Payable	42,68,411		42,68,411	36,86,579	36,86,579
m) Amount Payable to GPF/CPF /NPS	1,71,05,067		1,71,05,067	42,59,839	42,59,839
n) CSAB Counselling Center	96,748		96,748	96,748	96,748
o) Fees Refundable	12,42,825		12,42,825	14,95,280	14,95,280
<b>TOTAL (A)</b>	<b>13,45,32,343</b>	<b>4,61,15,307</b>	<b>18,06,47,650</b>	<b>16,91,75,718</b>	<b>16,91,75,718</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2018**

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	Ministry of Human Resource Development							
(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	2,57,714	-	-	2,57,714	-	2,57,714	-
3	Ministry of Environment and Forest							
(a)	Eco-System Band Dev. For carrying Capacity of Hill Resort Towns	23,872	-	-	23,872	-	23,872	-
(b)	ENVIS Centre for Human Settlement	1,51,463	-	25,36,333	26,87,796	18,22,864	8,64,932	-
(c)	Sustainable Development Network Program (India)	404	-	-	404	-	404	-
4	Ministry of Non-Conventional Energy Resources							
(a)	Software Development	84,984	-	-	84,984	-	84,984	-
5	AICTE							
(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	2,10,962	-	-	2,10,962	-	2,10,962	-
6	FORD FOUNDATION	400	-	-	400	-	400	-
7	UNESCO: 19th & 20th Century in Arch. Conservation in India	40,880	-	-	40,880	-	40,880	-
8	Department of Science and Technology							
(a)	Manual on District Planning	27,658	-	-	27,658	-	27,658	-
(b)	NCR Probe - DST Project	1,67,634	-	52,485	2,20,119	2,31,184	-	11,065
9	Ministry of Home Affairs							
(a)	National Programme for Capacity Bldg. Arch. in Earthquake Risk Mgmt.	12,26,813	-	-	12,26,813	-	12,26,813	-
10	Board Guidelines on principles of Zoo Designing	6,00,000	-	7,12,400	13,12,400	13,67,000	-	54,600
11	SISRY Grant		52,505	-	52,505	-	-	52,505
12	M/UD - Alter. Approaches to Master Plan	187	-	-	187	-	187	-
13	Fire Safety in Environment Project	1,00,000	-	-	1,00,000	-	1,00,000	-
14	Ministry of Social Welfare	1,70,603	-	-	1,70,603	-	1,70,603	-
15	Chance 2 sustain	23,48,805	-	-	23,48,805	-	23,48,805	-
16	DIC DU Project		10,900	-	10,900	-	-	10,900
17	Kalpa & Sangla Project	57,616	-	-	57,616	-	57,616	-
18	Rajiv Avas Yojna	3,96,503	-	-	3,96,503	-	3,96,503	-
19	Curaj Design Project (Rajasthan University)	50,000	-	-	50,000	-	50,000	-
20	Bharmour Chamba Distt. Project		4,44,060	-	4,44,060	-	-	4,44,060
21	I.U.S.F.B.	1,33,732	-	-	1,33,732	-	1,33,732	-
22	N.R.C. Project		1,80,143	-	1,80,143	-	-	1,80,143
23	HUDDO	11,590	-	-	11,590	9,473	2,117	-
24	SINP Project		1,82,840	5,29,139	3,46,299	93,545	2,52,754	-
25	GIZ project		-	-	-	-	-	39,052
(a)	GIZ Project FA 1		39,052	-	39,052	-	-	39,052
26	MHRD Space Audit		-	-	-	-	-	-
27	Clamitrance	22,01,985	-	3,88,706	25,90,691	15,21,470	10,69,221	-
28	Slum Developers	1,26,809	-	-	1,26,809	1,64,849	-	-
29	SPA DIC MHRD Project	1,82,19,656	-	6,11,123	1,88,30,779	1,02,64,256	85,66,523	38,040
30	I.C.H.R Project	30,031	-	75,000	1,05,031	1,04,857	174	-
31	Rajasthan Rurban Project	35,22,924	-	-	35,22,924	19,29,258	15,93,666	-
32	Kerala Rurban Project	4,75,000	-	-	4,75,000	1,15,749	3,59,251	-
33	RICS Research Trust Project	1,56,359	-	1,52,533	3,08,892	3,32,528	-	23,636
34	E Pathshala Project		-	-	-	-	-	-
(a)	E Pathshala Project (Urban Design)	7,00,000	-	-	7,00,000	-	7,00,000	-
(b)	E Pathshala Project (Planning)	2,10,174	-	33,74,476	35,84,650	7,21,713	28,62,937	-
35	BMTPC Project		-	-	1,00,000	90,000	10,000	-
36	GIAN Project		-	18,66,526	18,66,526	6,81,876	11,84,650	-
37	NTPC Project		-	2,45,200	2,45,200	2,01,415	43,785	-
38	AIMS Project		-	4,00,000	4,00,000	-	4,00,000	-
	<b>TOTAL</b>	<b>31,91,523</b>	<b>9,09,500</b>	<b>1,10,43,921</b>	<b>4,35,79,264</b>	<b>1,96,52,037</b>	<b>2,33,27,908</b>	<b>8,54,001</b>



SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2018

(Amount Rs.)

S. No	DESCRIPTION	Rate of Dep.	GROSS BLOCK				DEPRECIATION			NET BLOCK			
			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	Deductions during the year	Total up to the year-end	As at the Current year-end	As at the Previous year-end	
<b>SCHEDULE 4 - FIXED ASSETS</b>													
<b>A TANGIBLE ASSETS</b>													
<b>a Land</b>													
1	Land (Leasehold)	0%	2,01,97,098	-	-	2,01,97,098	-	-	-	2,01,97,098	-	2,01,97,098	2,01,97,098
	<b>Total (a)</b>		<b>2,01,97,098</b>			<b>2,01,97,098</b>						<b>2,01,97,098</b>	<b>2,01,97,098</b>
<b>b Building</b>													
1	Planning	2%	5,48,29,547	-	-	5,48,29,547	10,96,591	-	1,56,24,590	3,92,04,957	-	4,03,01,548	4,03,01,548
2	Architecture	2%	2,91,70,247	-	-	2,91,70,247	5,83,405	-	64,35,715	2,27,34,532	-	2,33,17,937	2,33,17,937
3	M.B. Complex	2%	5,97,12,857	-	-	5,97,12,857	11,94,257	-	2,57,74,903	3,39,37,954	-	3,51,32,211	3,51,32,211
	<b>Total (b)</b>		<b>14,37,12,651</b>			<b>14,37,12,651</b>	<b>28,74,253</b>		<b>4,78,35,208</b>	<b>9,58,77,443</b>		<b>9,87,51,696</b>	<b>9,87,51,696</b>
<b>c Fixed Assets</b>													
1	Office Equipment	7.5%	5,06,25,626	9,18,549	-	5,15,44,175	4,98,98,743	-	5,06,94,517	8,49,658	-	7,26,883	7,26,883
2	Computer Peripherals	20%	12,19,56,142	4,42,616	-	12,23,98,758	12,03,92,695	-	12,08,72,080	15,26,678	-	15,63,447	15,63,447
3	Furniture/Fixture/Fitting	7.5%	3,06,12,048	13,28,693	-	3,19,40,741	2,62,80,466	-	2,86,76,022	32,64,719	-	43,31,582	43,31,582
4	Vehicles	10%	19,95,982	7,21,825	-	27,17,807	19,95,982	-	20,68,164	6,49,643	-	20,45,766	20,45,766
5	Library Books & Journals	10%	5,25,32,689	1,80,939	-	5,27,13,628	5,04,86,923	-	5,07,32,324	19,81,304	-	69,255	69,255
6	Gifted Books Of Journals	10%	1,33,098	-	-	1,33,098	50,533	-	63,843	10,791	-	82,565	82,565
7	Consultancy Fixed Asset	10%	17,986	-	-	17,986	5,396	-	7,195	83,52,049	-	12,590	12,590
	<b>Total (c)</b>		<b>25,78,73,571</b>	<b>35,92,622</b>		<b>26,14,66,193</b>	<b>24,91,10,738</b>		<b>25,31,14,144</b>	<b>83,52,049</b>		<b>87,62,833</b>	<b>87,62,833</b>
	<b>Grand Total (a+b+c)</b>		<b>42,17,83,320</b>	<b>35,92,622</b>		<b>42,53,75,942</b>	<b>29,40,71,693</b>		<b>30,09,49,352</b>	<b>12,44,26,590</b>		<b>12,77,11,627</b>	<b>12,77,11,627</b>
<b>B CAPITAL WORK IN PROGRESS</b>													
	Development of Vasant Kunj (W.I.P.)	0%	69,48,738	50,53,685	-	1,20,02,423	-	-	-	1,20,02,423	-	69,48,738	69,48,738
	<b>Total (B)</b>		<b>69,48,738</b>	<b>50,53,685</b>		<b>1,20,02,423</b>				<b>1,20,02,423</b>		<b>69,48,738</b>	<b>69,48,738</b>
	<b>Grand Total (A+B)</b>		<b>42,87,32,058</b>	<b>86,46,307</b>		<b>43,73,78,365</b>	<b>29,40,71,693</b>		<b>30,09,49,352</b>	<b>13,64,29,013</b>		<b>13,46,60,365</b>	<b>13,46,60,365</b>
	Previous Year		41,76,39,438	1,10,92,620	-	42,87,32,058	28,06,77,652	-	29,40,71,693	13,46,60,365	-	13,69,61,786	13,69,61,786

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2018**

(Amount Rs.)

	FUND-WISE BREAK UP			Previous Year Total
	Current Year		Total	
	Endowment Fund	Consultancy Fund		
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	9,31,969	1,37,53,151	1,46,85,120	2,21,10,070
<b>TOTAL</b>	<b>9,31,969</b>	<b>1,37,53,151</b>	<b>1,46,85,120</b>	<b>2,21,10,070</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2018**

(Amount Rs.)

	Current Year			Previous
	School	Consultancy Fund	Total	Total
<b>SCHEDULE 6 - INVESTMENTS - OTHERS</b>				
1. In Central Government Securities	-			-
2. In State Government Securities	-	-	-	-
3. Other approved Securities	-	-	-	-
4. Shares	-	-	-	-
5. Debentures and Bonds	-	-	-	-
6. Others	1,20,00,000	-	1,20,00,000	66,90,236
<b>Total</b>	<b>1,20,00,000</b>	<b>-</b>	<b>1,20,00,000</b>	<b>66,90,236</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2018**

	Current Year			Previous Year	
	School	Consultancy Fund	Total	Total	Total
<b>SCHEDULE 7 CURRENT ASSETS</b>					
<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>					
Cash Balance in hand (Imprest money)	63,040	-	63,040		74,059
<b>Bank Balances:</b>					
a) With Scheduled Banks:					
-On Saving Accounts	9,25,66,475	2,98,80,470	12,24,46,945		10,33,16,347
-On Foreign Currency Account	57,28,711	-	57,28,711		1,89,89,502
b) With non-scheduled Banks:					
-On Deposit Accounts					
-On Saving Accounts					
<b>5. Post Office-Savings Accounts</b>					
-Postage in Hand	47,495	-	47,495		47,495
<b>TOTAL</b>	<b>9,84,05,721</b>	<b>2,98,80,470</b>	<b>12,82,86,191</b>	<b>12,82,86,191</b>	<b>12,24,27,403</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2018**

(Amount Rs.)

SCHEDULE 8 LOANS, ADVANCES AND DEPOSITS	Current Year			Previous Year
	School	Consultancy Fund	Total	Total
1. Advances to Employees : (Non Interest Bearing)				
a). Salary	-	-	-	-
b). Festival	2,03,636		2,03,636	2,25,536
c). Bicycle Advance	67,800		67,800	67,800
2. Long Term Advances to Employees : (Interest Bearing)			-	-
a). Vehicle Loan	1,59,750		1,59,750	2,26,750
b). Home Loan	3,35,920		3,35,920	4,28,780
c). Others				
Computer Advance	53,820		53,820	93,720
Conveyance Advance	(58,786)		(58,786)	(28,786)
Fan Advance	3,550		3,550	3,550
LTC Advance	2,86,118		2,86,118	(42,094)
T A Advance	1,04,92,105		1,04,92,105	1,15,94,479
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 to PDF Consultants & Concerned Departments		24,63,697	24,63,697	23,18,181
d) Departmental Advance	3,17,37,220		3,17,37,220	3,26,37,097
e) Others				
- Amount to be recovered from GPF/CPF Fund	-		-	-
- Amount to be recovered from NPS Fund	-		-	-
- Others	3,38,225		3,38,225	1,33,175
4. Prepaid Expenses				
a). Insurance			-	-
b). Other Expenses	9,92,700	-	9,92,700	14,89,050
c). On Loans & Advances			-	-
5. Deposits				
a). Telephone	38,170		38,170	38,170
b). Lease Rent	-		-	-
c). Electricity	2,24,750		2,24,750	2,24,750
6. Income Accrued				
a) On Investments from Earmarked/Endowment Funds	53,167		53,167	53,305
b) On Investments - Others	16,36,287		16,36,287	17,40,609
c) On Loans & Advances			-	-
7. Other- Current assets receivable from UGC/Sponsored Projects				
a). Debit balances in Sponsored Projects	8,54,001		8,54,001	9,09,500
b). Debit balances in Sponsored Fellowships & Scholarships	5,65,037		5,65,037	1,18,016
c). Grant Receivable			-	-
c). SPA fees receivable	95,204		95,204	4,04,212
8. Claims Receivable				
a) Research Projects	2,16,447		2,16,447	2,16,447
b) Others	1,93,021		1,93,021	1,91,792
			-	-
<b>TOTAL</b>	<b>4,84,88,142</b>	<b>24,63,697</b>	<b>5,09,51,839</b>	<b>5,30,44,039</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2018**

	(Amount Rs.)					
	Current Year		Previous Year		Total	Total
	Non Plan	Plan	Non Plan	Plan		
<b>SCHEDULE 9 - ACADEMIC RECEIPTS</b>						
<b>FEES FROM STUDENTS</b>						
<b>Academic</b>						
1. Tuition Fee	3,79,19,100	-	3,79,19,100	-	3,08,51,576	3,08,51,576
2. Admission Fee/Application	26,44,015	-	26,44,015	-	36,87,523	36,87,523
3. Enrolment Fee	6,46,612	-	6,46,612	-	6,98,000	6,98,000
4. Library Fee/ Audio Visual fees	-	-	-	-	-	-
5. Academic Support Fees	42,19,523	-	42,19,523	-	44,61,000	44,61,000
6. Registration Fee	4,60,803	-	4,60,803	-	6,25,050	6,25,050
7. Logistic Income	2,520	-	2,520	-	-	-
8. Games Fees	41,866	-	41,866	-	-	-
9. Self Financing Fees	1,36,02,150	-	1,36,02,150	-	1,71,20,238	1,71,20,238
10. Electricity & Water Charges (Hostel)	30,72,344	-	30,72,344	-	31,20,182	31,20,182
10. Readmission Fees	24,000	-	24,000	-	1,08,000	1,08,000
<b>Total (A)</b>	<b>6,26,32,933</b>	-	<b>6,26,32,933</b>	-	<b>6,06,71,569</b>	<b>6,06,71,569</b>
<b>Examinations</b>						
1. Admission Test Fees	-	-	-	-	-	-
2. Annual Examination Fees	-	-	-	-	-	-
3. Marksheet, Certificate Fees	1,00,800	-	1,00,800	-	1,72,500	1,72,500
4. Entrance Examination Fees	-	-	-	-	-	-
<b>Total (B)</b>	<b>1,00,800</b>	-	<b>1,00,800</b>	-	<b>1,72,500</b>	<b>1,72,500</b>
<b>Other Fees</b>						
1. Fine and Loss Charges	2,99,029	-	2,99,029	-	1,44,738	1,44,738
2. Annual Examination Fees	-	-	-	-	-	-
<b>Total (C)</b>	<b>2,99,029</b>	-	<b>2,99,029</b>	-	<b>1,44,738</b>	<b>1,44,738</b>
<b>Sale of Publications</b>						
1. Sale of Journals/Tender forms	10,550	-	10,550	-	40,575	40,575
2. Sale of Admission forms	10,550	-	10,550	-	40,575	40,575
<b>Total (D)</b>	<b>10,550</b>	-	<b>10,550</b>	-	<b>40,575</b>	<b>40,575</b>
<b>GRAND TOTAL (A+B+C+D)</b>	<b>6,30,43,312</b>	-	<b>6,30,43,312</b>	-	<b>6,10,29,382</b>	<b>6,10,29,382</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2018**

(Amount Rs.)

	Current Year			Previous Year		
	Non Plan	Plan	Total	Non Plan	Plan	Total
	Balance B/F	-	-	-	-	-
Add : Receipts during the year	35,62,00,000	1,42,00,000	37,04,00,000	29,74,00,000	4,00,00,000	33,74,00,000
<b>Total</b>	<b>35,62,00,000</b>	<b>1,42,00,000</b>	<b>37,04,00,000</b>	<b>29,74,00,000</b>	<b>4,00,00,000</b>	<b>33,74,00,000</b>
Less : Refund to UGC	-	-	-	-	-	-
Balance	35,62,00,000	1,42,00,000	37,04,00,000	29,74,00,000	4,00,00,000	33,74,00,000
Less: Utilised for Capital Expenditure (A)	-	-	-	-	-	-
<b>Balances</b>	<b>35,62,00,000</b>	<b>1,42,00,000</b>	<b>37,04,00,000</b>	<b>29,74,00,000</b>	<b>4,00,00,000</b>	<b>33,74,00,000</b>
Less: Utilised for Revenue Expenditure (B)	35,62,00,000	1,42,00,000	37,04,00,000	29,74,00,000	4,00,00,000	33,74,00,000
Balance C/F (C)	-	-	-	-	-	-

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2018**

	Current Year				Previous Year		(Amount Rs.)
	Non Plan		Plan		Plan		
	Non Plan	Plan	Non Plan	Plan	Non Plan	Plan	
<b>SCHEDULE 11 - INTEREST EARNED</b>							
1 On Savings Accounts with scheduled banks	31,23,839	-	31,23,839	-	40,65,688	-	40,65,688
2 On Loans							
a) Employees/Staff	1,24,363	-	1,24,363	-	94,324	-	94,324
b) Others		-	-	-		-	-
3 On Term Deposits	43,94,706	-	43,94,706	-	10,44,386	-	10,44,386
<b>TOTAL</b>	<b>76,42,908</b>	<b>-</b>	<b>76,42,908</b>	<b>-</b>	<b>52,04,398</b>	<b>-</b>	<b>52,04,398</b>



**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2018**

	Current Year				Previous Year		Total
	Non Plan		Plan		Plan		
	Non Plan	Plan	Non Plan	Plan	Non Plan	Plan	
<b>A. Income from Land and Building</b>							
1 Hostel Room Rent	52,03,142	-	52,03,142	-	42,03,300	-	42,03,300
2 Canteen Rent	34,800	-	34,800	-	33,890	-	33,890
3 Guest Room Rent	88,174	-	88,174	-	78,630	-	78,630
4 Rent from Others	53,050	-	53,050	-	32,920	-	32,920
5 Licence Fees	3,06,786	-	3,06,786	-	3,51,159	-	3,51,159
6 Electricity Charges recovered	13,79,965	-	13,79,965	-	14,26,566	-	14,26,566
7 Water Charges recovered	55,736	-	55,736	-	88,485	-	88,485
8 CGHS Subscription	7,96,997	-	7,96,997	-	6,84,578	-	6,84,578
<b>Total A</b>	<b>79,18,650</b>	<b>-</b>	<b>79,18,650</b>	<b>-</b>	<b>68,99,528</b>	<b>-</b>	<b>68,99,528</b>
<b>B. Others</b>							
1 Income from Consultancy	59,63,310	-	59,63,310	-	52,07,419	-	52,07,419
2 RTI Fees	250	-	250	-	298	-	298
3 Income from Royalty	-	-	-	-	-	-	-
4 Sale of Application Form ( recruitment)	-	-	-	-	-	-	-
a) Owned assets	3,08,500	-	3,08,500	-	-	-	-
5 Grants/ Donation from institution, welfare bodies and international organisation	-	-	-	-	-	-	-
6 Others	-	-	-	-	-	-	-
Income Tax Refund	5,288	-	5,288	-	-	-	-
Miscellaneous	3,27,975	-	3,27,975	-	6,35,875	-	6,35,875
Miscellaneous Recovery	4,57,105	-	4,57,105	-	6,26,108	-	6,26,108
Penalty and Rebate Income	5,65,237	-	5,65,237	-	26,286	-	26,286
<b>Total B</b>	<b>76,27,665</b>	<b>-</b>	<b>76,27,665</b>	<b>-</b>	<b>64,95,986</b>	<b>-</b>	<b>64,95,986</b>
<b>Grand Total (A+B)</b>	<b>1,55,46,315</b>	<b>-</b>	<b>1,55,46,315</b>	<b>-</b>	<b>1,33,95,514</b>	<b>-</b>	<b>1,33,95,514</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD ENDED 31-03-2018**

	Current Year		Previous Year	
	Non Plan	Plan	Non Plan	Plan
	Total	Total	Total	Total
a) Salaries and Wages	6,81,25,172		5,99,71,964	
b) Allowances & Bonus	8,52,10,414		9,23,98,791	
c) Contribution to GPF/CPF and NPS	33,99,151		36,08,736	
d) Retirement and Terminal Benefits	7,09,71,502		5,85,26,647	
e) Medical Facility	35,83,065		33,13,508	
f) Honorarium	36,03,315		22,40,617	1,40,000
g) Personal Development Account (PDA-2011-2014)	5,48,249		97,72,177	
h) Other				
CGHS Contribution	33,48,624		20,71,180	
DA Arrears	16,53,292		40,05,608	
Pay of Part Time Officers	5,92,29,326		7,07,25,883	
Conveyance reimbursement to Visiting Faculty	61,64,119		64,02,370	
<b>TOTAL</b>	<b>30,58,36,229</b>	<b>-</b>	<b>31,30,37,481</b>	<b>1,40,000</b>
				<b>31,31,77,481</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2018**

	(Amount Rs.)					
	Current Year		Previous Year		Total	
	Non Plan	Plan	Non Plan	Plan		
<b>SCHEDULE 14 - ACADEMIC EXPENSES</b>						
a) Laboratory expenses	-	-	-	-	-	
b) Field work/Participation in conference	-	-	-	-	-	
c) Expenses on Seminar/ Workshops	-	5,75,099	5,75,099	2,58,893	2,58,893	
d) Remuneration to Paper Setter	-	-	22,320	-	22,320	
e) Examination	-	-	-	-	-	
f) Student welfare expenses	-	-	-	-	-	
g) Admission expenses	-	-	-	-	-	
h) Convocation expense	14,50,198	-	14,50,198	-	17,88,703	
i) Publications	-	-	-	-	-	
j) Stipend/means-cum-merit scholarship	2,46,45,232	71,09,385	3,17,54,617	86,22,529	3,31,02,977	
k) Subscription expenses	-	-	-	-	-	
l) Others	27,209	-	27,209	-	-	
- Prizes and Medals	-	-	-	2,78,744	2,78,744	
- Exhibition/Foundation Day	-	-	-	6,56,541	6,56,541	
<b>TOTAL</b>	<b>2,61,22,639</b>	<b>76,84,484</b>	<b>3,38,07,123</b>	<b>88,81,422</b>	<b>3,61,08,178</b>	

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2018**

	Current Year		Total	Previous year		Total
	Non Plan	Plan		Non Plan	Plan	
	(Amount Rs.)			(Amount Rs.)		
<b>SCHEDULE 15 - ADMINISTRATIVE AND GENERAL EXPENSES</b>						
<b>A. Infrastructure</b>						
(a) Electricity and Power	40,04,540	1,06,09,110	1,46,13,650	33,69,840	1,13,83,600	1,47,53,440
(b) Water Charges	82,08,945	71,03,145	1,53,12,090	20,47,824	1,70,75,370	1,91,23,194
(c) Rent, Rates and Taxes	-	-	-	16,96,472	-	16,96,472
Service Tax	-	-	-	3,54,394	29,44,345	32,98,739
Property Tax	12,33,616	15,52,258	27,85,874	1,96,014	-	1,96,014
Interest on Tax	-	-	-	-	-	-
<b>B. Communication</b>						
(d) Postage and Stationary	83,180	-	83,180	1,10,680	-	1,10,680
(e) Telephone, Fax and Internet Charges	37,20,891	-	37,20,891	43,44,657	-	43,44,657
<b>C. Others</b>						
(f) Printing and Stationary	11,11,637	-	11,11,637	11,42,542	-	11,42,542
(g) Travelling and Conveyance expenses	68,51,971	-	68,51,971	71,50,317	4,050	71,54,367
(h) Hospitality	-	-	-	-	-	-
(i) Professional and Legal Charges	14,67,595	-	14,67,595	12,61,771	-	12,61,771
(j) Advertisement and Publicity	18,36,416	-	18,36,416	20,08,135	-	20,08,135
(k) Magazines & Journals	96,180	-	96,180	1,29,735	-	1,29,735
(l) Others	-	-	-	-	-	-
Bank Charges	44,416	-	44,416	1,93,047	-	1,93,047
Audit Fees	1,73,275	-	1,73,275	81,200	-	81,200
Consumables Articles for Audio Visuals/Lab	9,490	-	9,490	21,376	-	21,376
Liveries	1,39,837	-	1,39,837	2,45,656	-	2,45,656
Membership Fees	54,850	-	54,850	76,990	-	76,990
Office Stationery	11,35,157	-	11,35,157	11,92,037	-	11,92,037
Other Contingent Charges	15,94,014	-	15,94,014	95,02,099	5,002	95,07,101
Refreshment Charges	10,72,764	-	10,72,764	8,49,032	-	8,49,032
Miscellaneous Committee Expenses	20	-	20	24,972	-	24,972
Manpower & Security Agencies	3,56,54,573	1,83,67,508	5,40,22,081	1,52,40,663	77,21,847	2,29,62,510
Other Administrative Expenses	6,12,519	-	6,12,519	11,91,268	-	11,91,268
<b>TOTAL</b>	<b>6,91,05,886</b>	<b>3,76,32,021</b>	<b>10,67,37,907</b>	<b>5,24,30,721</b>	<b>3,91,34,214</b>	<b>9,15,64,935</b>

	CURRENT YEAR		TOTAL	PREVIOUS YEAR		TOTAL
	NON PLAN	PLAN		NON PLAN	PLAN	
	(Amount Rs.)			(Amount Rs.)		
<b>SCHEDULE 16 - TRANSPORTATION EXPENSES</b>						
<b>PARTICULARS</b>						
1 Vehicles (owned by institution)						
a) Running Expenses	70,345	-	70,345	1,38,393	-	1,38,393
b) Repair and Maintenance	2,23,328	-	2,23,328	1,78,703	-	1,78,703
c) Insurance expenses	37,861	-	37,861	28,169	-	28,169
2 Vehicles taken on rent/lease						
a) Rent/lease expenses	-	-	-	-	-	-
3 Vehicle (Taxi) hiring expenses						
<b>Total</b>	<b>3,31,534</b>	<b>-</b>	<b>3,31,534</b>	<b>345265</b>	<b>-</b>	<b>3,45,265</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2018**

	(Amount Rs.)					
	Current Year			Previous Year		
	Non Plan	Plan	Total	Non Plan	Plan	Total
<b>SCHEDULE 17 - REPAIR AND MAINTAINANCE</b>						
a) Building	37,17,482	50,78,565	87,96,047	40,89,482	35,50,353	76,39,835
b) Furniture and Fixtures	15,564		15,564	82,194		82,194
c) Electrical Goods	3,78,466		3,78,466	3,43,021		3,43,021
d) Office Equipment	22,66,205		22,66,205	18,84,276		18,84,276
e) Computers	37,30,365		37,30,365	55,32,116		55,32,116
f) Cleaning Material & Services	3,63,927		3,63,927	2,84,396		2,84,396
g) Book Binding Charges	6,478		6,478	43,640		43,640
h) Gardening	-		-	27,220		27,220
i) Staff Cars	-		-	-		-
ii) Others	-		-	-		-
<b>TOTAL</b>	<b>1,04,78,487</b>	<b>50,78,565</b>	<b>1,55,57,052</b>	<b>1,22,86,345</b>	<b>35,50,353</b>	<b>1,58,36,698</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD ENDED ON 31-03-2018**

(Amount Rs.)

SCHEDULE 18 - OTHER EXPENSES	Current Year		Total	Previous Year		Total
	Non Plan	Plan		Non Plan	Plan	
a) Provision for Bad Debts/Advances	-	-	-	-	-	-
b) Irrecoverable Balance Written - off	-	-	-	-	-	-
c) Subsidy to SPA Mess	28,88,622	50,00,000	78,88,622	15,00,000	30,00,000	45,00,000
d) Other Expense						
Sanitary Goods	1,87,500		1,87,500	2,34,678		2,34,678
Sports Goods	24,640		24,640	2,91,656		2,91,656
<b>TOTAL</b>	<b>31,00,762</b>	<b>50,00,000</b>	<b>81,00,762</b>	<b>20,26,334</b>	<b>30,00,000</b>	<b>50,26,334</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**RECEIPT AND PAYMENT OF NON PLAN AND PLAN FOR THE PERIOD 01.04.2017 TO 31.03.2018**

		(Amount Rs.)			
RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR	PREVIOUS YEAR
<b>I</b>			<b>I</b>		
<b>Opening Balance</b>			<b>Expenses</b>		
a) Cash in hand			a) Establishment Expenses	4,26,07,658	3,90,64,562
b) Bank Balances			b) Academic Expenses	3,40,61,344	2,76,92,547
Saving Bank Accounts	10,33,16,346	5,48,28,665	c) Administrative Expenses	4,34,04,453	4,85,02,069
Foreign Exchange Account	1,89,89,502	1,17,54,062	d) Repair & Maintenance Expenses	9,15,388	8,18,241
c) Fixed Deposit with banks	-	-	e) Transportation Expenses	1,08,206	2,26,587
d) Postage in hand	47,495	47,495	<b>Amount spent on sponsored projects</b>	1,69,21,333	2,19,37,344
<b>II</b>			<b>Advances/payment to parties</b>	33,68,45,578	34,21,45,981
<b>Grants Received</b>			<b>Investments and deposits made</b>		
a) From Government of India			a) Out of Earmarked/Endowment funds	-	1,00,000
- Ministry of HRD	36,04,00,000	33,74,00,000	b) Out of Own Funds (Investments - Others)	14,70,00,000	1,00,00,000
- Ministry of HRD (Capital Grant)	1,00,00,000	1,00,00,000	<b>Expenditure on Fixed Assets &amp; Capital Work in Progress</b>		
b) From State Government			a) Purchase of Fixed Assets	16,68,847	50,85,531
c) From other sources (details)			b) Expenditure on Capital Work in Progress	78,88,622	45,00,000
-for Research Project			Expenditure on Grant & Subsidies		
<b>III</b>			<b>Amount recoverable from GPF/CPF &amp; NPS</b>		
<b>Academic Receipts</b>			Refundable deposits from students	39,82,144	66,33,441
a) Fees received from CSAB Students			SPA Fee Receivable		
b) Fees received from other students			Contractor's Earnest Money/ Security Deposits	2,38,288	23,48,746
c) Fees and Subscription	7,67,70,968	7,18,06,755	Amount spent on endowment fund		61,682
<b>IV</b>			Advances given	1,56,45,623	-
Receipts against Earmarked /Endowment Fund	1,00,01,100	-	<b>Closing Balances</b>		
<b>V</b>			a) Cash in hand		
Receipts against Sponsored Projects/ Schemes	1,00,02,674	1,29,44,641	b) Bank Balances		
<b>VI</b>			Saving Bank Accounts		
Receipts against Sponsored Fellowships & Scholarship	5,89,588	60,97,686	Foreign Exchange Account	12,24,46,943	8,66,68,415
<b>VII</b>			c) Fixed Deposit with banks	57,28,712	1,89,89,502
Contractor's Earnest Money/ Security Deposits	1,09,572	7,84,530	d) Postage in hand	47,495	47,495
<b>VIII</b>			<b>XV</b>		
Amount recoverable from GPF/CPF & NPS	1,25,23,383	2,07,35,432	<b>CONSULTANCY RECEIPTS</b>		
<b>IX</b>					
<b>Interest Received on</b>			<b>TOTAL</b>	<b>77,95,10,634</b>	<b>61,48,22,143</b>
a) On Bank Deposits (Saving)	31,23,839	40,65,688			
b) On Bank Deposits (FDR)	44,99,166	10,29,751			
c) On Loans and Advances					
d) On Endowment Fund	7,050	-			
<b>X</b>					
State Cheques	22,97,966	20,27,311			
<b>XI</b>					
Term Deposits with Scheduled Banks Encashed	14,91,73,300	6,41,29,453			
<b>XII</b>					
Any other receipts	17,59,627	16,68,702			
<b>XIII</b>					
Sundry Creditors	10,49,851	20,27,189			
<b>XIV</b>					
Advances Adjusted	73,95,070	69,65,509			

Compiled on the basis of books of accounts Produced before us.

For **SUNDER SHARMA & CO.**  
**CHARTERED ACCOUNTANTS**

Sd/-  
**CA. RAJAT DAGA**  
 PARTNER

Sd/-  
**GIRISH KUMAR**  
 ASSISTANT REGISTRAR (A&B)

Sd/-  
**UMAKANT AGARWAL**  
 REGISTRAR

Sd/-  
**PROF. DR. P.S.N. RAO**  
 DIRECTOR

PLACE : NEW DELHI  
 DATE : 27-09-2018

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**BALANCE SHEET OF GENERAL/CONTRIBUTORY PROVIDENT FUND AS ON 31.03.2018**

	(Amount Rs.)		
LIABILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS
<b>G.P.F. Fund</b>			
<b>Opening Balance</b>	<b>14,19,57,069</b>	<b>12,63,30,739</b>	<b>INVESTMENTS</b>
<b>Additions:</b>			Fixed Deposit Scheme (GPF and CPF)
G.P.F. Subscription	2,28,23,241	2,24,29,300	Interest Accrued on Fixed Deposits
G.P.F. Advance	14,85,599	13,70,422	Advance recoverable from GPF
G.P.F. Interest	1,09,78,449	1,04,78,593	Amount Recoverable from SPA
<b>Deductions:</b>			<b>Special Deposit Scheme:</b>
Full & Final Payments/Withdrawals by staff	3,52,51,741	1,86,51,985	G.P. Fund
Transfer to Interest Reserve account	-	-	C.P. Fund
<b>Closing balance of GPF Fund</b>	<b>14,19,92,617</b>	<b>14,19,57,069</b>	<b>Bank Balance</b>
<b>C.P.F. Fund</b>			G.P. Fund Account
<b>Opening Balance</b>	<b>2,23,47,260</b>	<b>2,55,55,962</b>	C.P. Fund Account
<b>Additions:</b>			
C.P.F. Subscription	13,27,652	21,78,000	
C.P.F. Contribution	2,96,721	3,79,594	
C.P.F. Advance	-	-	
<b>C.P.F. Interest:</b>			
Contribution	6,81,907	6,02,822	
Subscription	10,81,537	13,96,172	
<b>Deductions:</b>			
C.P.F. Subscription	14,23,843	77,65,290	
C.P.F. Contribution	10,65,513	-	
Transfer to Interest Reserve account	-	-	
<b>Closing balance of CPF Fund</b>	<b>2,32,45,721</b>	<b>2,23,47,260</b>	
<b>Interest Reserve Account</b>			
<b>Opening Balance</b>	53,49,268	75,38,266	
<b>Additions:</b>			
Transfer from CPF	-	-	
Transfer from GPF	-	-	
Excess of Income over Expenditure	(20,38,858)	(21,88,998)	
<b>Closing balance of Reserve</b>	<b>33,10,410</b>	<b>53,49,268</b>	
<b>TOTAL</b>	<b>16,85,48,748</b>	<b>16,96,53,597</b>	<b>TOTAL</b>

Compiled on the basis of Books of Accounts and vouchers

For SUNDER SHARMA & CO.  
 CHARTERED ACCOUNTANTS

Sd/-  
 CA. RAJAT DAGA  
 PARTNER

Sd/-  
 GIRISH KUMAR  
 ASSISTANT REGISTRAR (A&B)

Sd/-  
 UMAKANT AGARWAL  
 REGISTRAR

Sd/-  
 PROF. DR. P.S.N. RAO  
 DIRECTOR

PLACE : NEW DELHI  
 DATE : 27-09-2018



**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT OF GENERAL/CONTRIBUTORY PROVIDENT FUND FOR THE YEAR ENDING 31.03.2018**

(Amount Rs.)

EXPENDITURE	CURRENT YEAR	PREVIOUS YEAR	INCOME	CURRENT YEAR	PREVIOUS YEAR
Interest Credited to			Interest earned on Fixed Deposits	89,56,498	80,29,647
GPF Account	1,09,78,449	1,04,78,593	Interest received on Saving Bank	17,47,895	22,58,942
CPF Account	17,63,444	19,98,994			
Bank Charges	1,358	-			
Excess of Income over Expenditure	(20,38,858)	(21,88,998)			
<b>TOTAL</b>	<b>1,07,04,393</b>	<b>1,02,88,589</b>	<b>TOTAL</b>	<b>1,07,04,393</b>	<b>1,02,88,589</b>

Compiled on the basis of Books of Accounts produced before us.

For **SUNDER SHARMA & CO.**  
**CHARTERED ACCOUNTANTS**

Sd/-  
**CA. RAJAT DAGA**  
**PARTNER**

Sd/-  
**GIRISH KUMAR**  
**ASSISTANT REGISTRAR (A&B)**

Sd/-  
**UMAKANT AGARWAL**  
**REGISTRAR**

Sd/-  
**PROF. DR. PSN RAO**  
**DIRECTOR**

PLACE : NEW DELHI  
DATE : 27-09-2018



**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**

STATUS OF CPF INVESTMENT AS ON 31ST MARCH, 2018

Sl No	Name of the Bank	FDR A/C NO.	FDR No	Rate of Interest	Period of FDR'S	Date of Issue	Amount(in Rs)	Value of Maturity	Date of Maturity	Financial Year End Date	Total Term of FD In days	Interest (Maturity Amount - Issue Amount)	Term of FD during Financial Year (In Days)	Total Interest Accrued
1	Allahabad bank	50256936783	226203	6.50%	1 Year 1 day	3-Jan-18	11,33,248	12,08,939	4-Jan-19	31-Mar-18	366	75,691	87	17,982
3	UCO BANK	18200310048252	654583	6.65%	444Days	25-Jun-17	10,87,468	11,78,328	12-Sep-18	31-Mar-18	444	90,860	279	57,094
4	UCO BANK	18200310060629	655392	6.50%	12 Months	10-Feb-18	1,89,024	2,01,619	10-Feb-19	31-Mar-18	365	12,595	49	1,691
5	UCO BANK	18200310060667	655396	6.50%	12 Months	10-Feb-18	13,86,176	14,78,498	10-Feb-19	31-Mar-18	365	92,322	49	12,394
6	UCO BANK	18200310060650	655395	6.50%	12 Months	10-Feb-18	15,12,192	16,12,306	10-Feb-19	31-Mar-18	365	1,00,114	49	13,440
7	UCO BANK	18200310060643	655394	6.50%	12 Months	10-Feb-18	15,12,192	16,12,306	10-Feb-19	31-Mar-18	365	1,00,114	49	13,440
8	UCO BANK	18200310060636	655393	6.50%	444Days	10-Feb-18	1,89,024	2,01,613	10-Feb-19	31-Mar-18	365	12,589	49	1,690
9	UCO BANK	18200300003297	656632	6.50%	444Days	24-Jan-18	1,04,874	1,13,432	13-Apr-19	31-Mar-18	444	8,558	66	1,272
10	UCO BANK	18200300003382	552135	6.75%	444Days	27-Apr-17	24,40,596	26,47,678	15-Jul-18	31-Mar-18	444	2,07,082	338	1,57,644
<b>TOTAL</b>							<b>95,54,794</b>	<b>1,02,54,719</b>				<b>6,99,925</b>		<b>2,76,657</b>

STATUS OF GPF INVESTMENT AS ON 31ST MARCH, 2018

Sl No	Name of the Bank	FDR A/C NO.	FDR No	Rate of Interest	Period of FDR'S	Date of Issue	Amount(in Rs)	Value of Maturity	Date of Maturity	Financial Year End Date	Total Term of FD In days	Interest (Maturity Amount - Issue Amount)	Term of FD during Financial Year (In Days)	Total Interest accrued
3	Allahabad bank	50256936182	226200	6.50%	1 Year 1 day	3-Jan-18	44,07,076	47,01,431	4-Jan-19	31-Mar-18	366	2,94,355	87	69,970
4	Allahabad bank	50256936433	226201	6.50%	1 Year 1 day	3-Jan-18	25,18,329	26,86,532	4-Jan-19	31-Mar-18	366	1,68,203	87	39,983
5	Allahabad bank	50256936524	226202	6.50%	1 Year 1 day	3-Jan-18	44,07,076	47,01,431	4-Jan-19	31-Mar-18	366	2,94,355	87	69,970
7	UCO BANK	18200310056981	655158	6.50%	12 Months	10-Oct-17	31,78,318	33,89,999	10-Oct-18	31-Mar-18	365	2,11,681	172	99,751
11	UCO BANK	18200310060612	655397	6.50%	12 Months	10-Feb-18	50,40,638	53,76,353	10-Feb-19	31-Mar-18	365	3,35,715	49	45,069
13	Allahabad bank	50395090796	778856	6.75%	1 year	29-Jun-17	90,00,000	90,00,000	29-Jun-18	31-Mar-18	365	6,07,500	275	4,57,705
14	Allahabad bank	50395090219	778857	6.75%	1 year	29-Jun-17	90,00,000	90,00,000	29-Jun-18	31-Mar-18	365	6,07,500	275	4,57,705
15	Allahabad bank	50395089805	778858	6.75%	1 year	29-Jun-17	90,00,000	90,00,000	29-Jun-18	31-Mar-18	365	6,07,500	275	4,57,705
16	Allahabad bank	50395175717	778861	6.75%	1 year	30-Jun-17	90,00,000	90,00,000	30-Jun-18	31-Mar-18	365	6,07,500	274	4,56,041
17	Allahabad bank	50395175875	778862	6.75%	1 year	30-Jun-17	90,00,000	90,00,000	30-Jun-18	31-Mar-18	365	6,07,500	274	4,56,041
18	Allahabad bank	50395175977	778863	6.75%	1 year	30-Jun-17	90,00,000	90,00,000	30-Jun-18	31-Mar-18	365	6,07,500	274	4,56,041
19	Allahabad bank	50395398950	778868	6.75%	1 year	1-Jul-17	90,00,000	90,00,000	1-Jul-18	31-Mar-18	365	6,07,500	273	4,54,377
20	Allahabad bank	50395398989	778869	6.75%	1 year	1-Jul-17	90,00,000	90,00,000	1-Jul-18	31-Mar-18	365	6,07,500	273	4,54,377
21	Allahabad bank	50395398155	778867	6.75%	1 year	1-Jul-17	90,00,000	90,00,000	1-Jul-18	31-Mar-18	365	6,07,500	273	4,54,377
22	Allahabad bank	50403913091	818029	6.60%	1 Year 1 day	23-Aug-17	85,42,757	85,42,757	24-Aug-18	31-Mar-18	366	5,42,757	220	3,26,247
<b>TOTAL</b>							<b>10,85,51,437</b>	<b>11,03,98,503</b>				<b>73,14,566</b>		<b>47,55,359</b>

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI**

ENDOWMENT FUND INVESTMENT AS ON 31ST MARCH, 2018

Sl No	Name of the Bank	FDR A/C NO.	FDR No	Rate of Interest	Period of FDR'S	Date of Issue	Amount(in Rs)	Value of Maturity	Date of Maturity	Financial Year End Date	Total Term of FD in days	Interest (Maturity Amount - Issue Amount)	Term of FD during Financial Year (In Days)	Total Interest accrued	Name of Fund
1	Uco Bank IIPA	18200310041093	654850	6.35%	314 Days	29-Oct-17	26,622	28,076	8-Sep-18	31-Mar-18	314	1,454	153	708,48	SPA Krishna Saini Endowment Fund
2	Uco Bank IIPA	18200310038055	656403	6.65%	12 Months	27-Jun-17	14,501	15,490	27-Jun-18	31-Mar-18	365	989	277	751	SPA Krishna Saini Endowment Fund
3	Allahabad bank	50277871265	199988	6.90%	366 days	1-May-17	70,271	75,261	2-May-18	31-Mar-18	366	4,990	334	4,554	T.J. manickam Memorial Award
4	Allahabad bank	50277871651	199989	6.90%	366 days	1-May-17	23,423	25,086	2-May-18	31-Mar-18	366	1,663	334	1,518	SPA Prof. M.R. Agnihotri Endowment Fund
5	Allahabad bank	50277873342	199991	6.90%	366 days	1-May-17	1,17,117	1,25,433	2-May-18	31-Mar-18	366	8,316	334	7,589	SPA Prof. S.K. Narayana Endowment Fund
6	Allahabad bank	50277873692	199992	6.90%	366 days	1-May-17	58,559	62,717	2-May-18	31-Mar-18	366	4,158	334	3,794	SPA Prof. L.R. Vagale & Gouramma Vagale
7	Allahabad bank	50277874404	199993	6.90%	366 days	1-May-17	35,135	37,630	2-May-18	31-Mar-18	366	2,495	334	2,277	SPA Narendra Juneja Endowment Fund
8	Allahabad bank	50277874404	199993	6.90%	366 days	1-May-17	10,299	11,030	2-May-18	31-Mar-18	366	731	334	667	SPA Narendra Juneja Endowment Fund
9	Allahabad bank	50277881207	199994	6.90%	366 days	1-May-17	1,17,117	1,25,433	2-May-18	31-Mar-18	366	8,316	334	7,589	SPA Subhash Pranjape Memorial Award
10	Allahabad bank	50277881489	199995	6.90%	366 days	1-May-17	1,17,117	1,25,433	2-May-18	31-Mar-18	366	8,316	334	7,589	SPA Subhash Pranjape Memorial Award
11	Allahabad bank	50277876886	199996	6.90%	366 days	1-May-17	14,054	15,052	2-May-18	31-Mar-18	366	998	334	911	SPA Ved Prakash Memorial Scholarship
12	Allahabad bank	50277877109	199997	6.90%	366 days	1-May-17	35,135	37,630	2-May-18	31-Mar-18	366	2,495	334	2,277	SPA Ms. Bandana Goyal Endowment Fund
13	Allahabad bank	50277877314	199998	6.90%	366 days	1-May-17	11,712	12,544	2-May-18	31-Mar-18	366	832	334	759	SPA Vandana Goel Gold Medal
14	Allahabad bank	50277877392	199999	6.90%	366 days	1-May-17	4,098	4,389	2-May-18	31-Mar-18	366	291	334	266	SPA Nomi Bose Memorial Award
15	Uco Bank IIPA	18200310062524	655509	6.75%	12 month	13-Apr-17	2,35,367	2,51,661	13-Apr-18	31-Mar-18	365	16,294	352	15,714	SPA J.K. Chaudhary Endowment Fund
16	Central Bank	3564959496	552064	6.60%	1 year	9-Sep-17	1,00,000	1,00,000	9-Sep-18	31-Mar-18	365	-	203	-	SPA Vandana Goel Gold Medal
<b>TOTAL</b>							<b>9,31,969</b>	<b>9,90,149</b>				<b>98,180</b>		<b>53,167</b>	

SPA NEW DELHI INVESTMENT AS ON 31ST MARCH, 2018

Sl No	Name of the Bank	FDR A/C NO.	FDR No	Rate of Interest	Period of FDR'S	Date of Issue	Amount(in Rs)	Value of Maturity	Date of Maturity	Financial Year End Date	Total Term of FD in days	Interest (Maturity Amount - Issue Amount)	Term of FD during Financial Year (In Days)	Total Interest accrued
1	Allahabad bank	50404347363	50404347363	6.60%	1 Year	29-Aug-17	60,00,000	64,07,068	30-Aug-18	31-Mar-18	366	4,07,068	214	2,38,012
2	Allahabad bank	50404350665	50404350665	6.60%	1 Year	29-Aug-17	60,00,000	64,07,068	30-Aug-18	31-Mar-18	366	4,07,068	214	2,38,012
<b>TOTAL</b>							<b>1,20,00,000</b>	<b>64,07,068</b>				<b>8,14,136</b>		<b>4,76,025</b>

STATUS OF SPA FEE INVESTMENT AS ON 31ST MARCH, 2018

Sl No	Name of the Bank	FDR A/C NO.	FDR No	Rate of Interest	Period of FDR'S	Date of Issue	Amount(in Rs)	Value of Maturity	Date of Maturity	Financial Year End Date	Total Term of FD in days	Interest (Maturity Amount - Issue Amount)	Term of FD during Financial Year (In Days)	Total Interest accrued
1	ICICI	038613003288	12413587	7.40%	393 days	1-Mar-18	1,00,00,000	1,08,21,875	29-Mar-19	31-Mar-18	393	8,21,875	30	62,739

**SCHOOL OF PLANNING AND ARCHITECTURE : NEW DELHI  
CONSULTANCY FUND ACCOUNT**

**BALANCE SHEET AS ON 31ST MARCH 2018**

PREVIOUS YEAR	LIABILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS	CURRENT YEAR
1,17,17,568	<b>Unspent Balance of Projects</b> (As per Annexure-1 Enclosed)	1,32,78,101	17,986	<b>Fixed Assets</b> Furniture	17,986
24,07,934	Project Receipts Pending for Allocation	31,39,410	2,12,36,218	<b>Investment in Fixed Deposits</b> FDR with UCO Bank FDR with Central Bank	72,53,154 65,00,000
-	<b>School/Institute's Share from Consultancy Fund</b> Opening Balance Addition during the year Less : Transferred to School Share Distribution, Concern Department, PDF & Administrative Expenses	-	1,442 23,16,739	<b>Current Assets &amp; Loans &amp; Advances</b> Accrued Interest TDS Recievable	- 24,63,697
5,06,196	<b>School Share Distribution</b> Opening Balance Add: Transferred from Consultancy Fund Less : Transferred to School Main Account	2,41,980	1,39,68,662 26,79,269	<b>Bank Balance</b> State Bank of India S/B A/c No. 10310544230 Central Bank of India S/B. A/c No.3406523203	2,80,76,781 18,03,688
64,28,004	<b>Concerned Department/ Centre</b> Opening Balance Add: Transferred from Consultancy Fund Less : Paid during the Year	75,47,155			
21,63,858	<b>Personal Development Fund (PDF) Consultants</b> Opening Balance Add: Transferred from Consultancy Fund Less : Paid during the Year	30,88,634			
5,01,105	<b>Administrative Expenses fund</b> Opening Balance Add: Transferred from Consultancy Fund Less : Paid during the Year	5,13,566			

PREVIOUS YEAR	LIABILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS	CURRENT YEAR
1,55,50,605	<b>Surplus</b>				
	Opening Balance	1,55,50,605			
	Add: Income during the year (Annexure-1 Attached)	23,03,050			
		<u>1,78,53,655</u>			
	Less : Expenses incurred during the year (Annexure-2 Attached)	(3,78,873)			
		<u>1,74,74,782</u>			
9,45,046	<b>Duties &amp; Taxes</b>				
	GST Payable	8,28,495			
	T.D.S Payable	<u>3,184</u>			
<b>4,02,20,316</b>	<b>Total</b>	<b>4,61,15,307</b>	<b>4,02,20,316</b>	<b>Total</b>	<b>4,61,15,307</b>

Compiled on the basis of Books of Accounts produced before us.

For SUNDER SHARMA & CO.  
CHARTERED ACCOUNTANTS

Sd/-  
CA. RAJAT DAGA  
PARTNER

Sd/-  
Prof. Dr. Sanjukta Bhaduri  
Dean (R)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. PSN RAO  
DIRECTOR

**SCHOOL OF PLANNING AND ARCHITECTURE : NEW DELHI  
CONSULTANCY FUND ACCOUNT**

**RECEIPT AND PAYMENT ACCOUNT FOR THE PERIOD 01.04.2017 TO 31.03.2018**

PREVIOUS YEAR	RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR
	<b>Opening Balance</b>				
71,06,531	- State Bank of India (SB A/c No.10310544230)	1,39,68,662	2,90,71,231	Payment/Adjustment during the year as per Annexure enclosed	3,39,92,937
71,03,182	- Central Bank of India (S.B. A/c No.3406523203)	26,79,269	1,00,22,098	School Share	1,02,74,967
3,30,35,502	Receipts during the Year as per Annexure Enclosed	3,50,01,111	4,40,967	Administrative expenses	3,78,873
1,00,22,098	School Share	1,02,74,967	3,48,407	Administrative Expenses for Supporting Staff	5,01,105
-	T.D.S Receivable	8,85,586	14,61,153	T.D.S Receivable	10,32,544
22,76,330	Bank Interest from S/B & F.D.R's A/c	22,42,136	65,09,274	School Share distribution	74,54,138
5,01,105	Administrative Expenses for Supporting Staff	5,13,566	40,84,468	Service Tax	11,64,438
14,05,165	Project Receipts Pending for Allocation	9,78,726	20,93,437	TDS	15,99,650
70,15,470	School Share Distribution	71,89,922	-	Goods & service tax	38,30,563
44,05,511	Service Tax	8,43,395	6,83,221	P.D.F Consultants	1,02,356
27,17,440	TDS	9,78,831	4,06,804	Concerned Department/Centre	4,56,614
-	Goods & service tax	46,59,058	1,00,598	F.D.R's With State Bank of India	-
10,02,210	P.D.F Consultants	10,27,132	65,00,000	F.D.R's With Central Bank of India	-
15,03,313	Concerned Department/Centre	15,75,765	-	F.D.R's With UCO Bank	1,17,534
2,47,250	Miscellaneous Receipts	-	-	Miscellaneous Receipts	2,47,250
-	F.D.R's With Central Bank of India	76,00,598	1,442	Interest Accrued On F.D.R's with Bank	-
-	Interest on refund on income tax	62,356			

PREVIOUS YEAR	Receipts	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR
2,272	Interest Accrued on F.D.R's with Bank	-	1,39,68,662	<b>Closing Balance</b> -State Bank of India (SB A/c No. 10310544230) - Central Bank of India (SB A/c No. 3406523203)	2,80,76,781
27,651	Adjustment of Project during the Year as per Annexure Enclosed	5,52,359	26,79,269		18,03,688
<b>7,83,71,031</b>		<b>9,10,33,439</b>	<b>7,83,71,031</b>		<b>9,10,33,439</b>

Notes forming part of books of accounts are integral part of Balance sheet

Complied on the basis of books of accounts produced before us.

For Sunder Sharma & Co.  
Chartered Accountants

Sd/-  
CA. Rajat Daga  
Partner

Sd/-  
Prof. Dr. Sanjukta Bhaduri  
Dean (R)

Sd/-  
Umakant Agarwal  
Registrar

Sd/-  
Prof. Dr. P.S.N Rao  
Director



SCHOOL OF PLANNING AND ARCHITECTURE : NEW DELHI - 110002

CONSULTANCY FUND ACCOUNT

UNSPENT BALANCE AS ON 31ST MARCH, 2018 UNDER PROJECT A/C

S. No.	Name of the Projects	Name of the Project Co-ordinator	Unspent Balance as on 01-04-2017	Receipt during the Year 2017-2018	Adjustment during the Year 2017-2018	Total	Payment/Adjustment during the Year 2017-2018	Unspent Balance as on 31-03-2018
1	Numaligarh Refinery Ltd.	Prof. Dr. Rommel Mehta (Retd.)	6,22,031	32,03,700	-	38,25,731	36,87,617	1,38,114
2	NERIE, Shilong	Prof. A.K. Maitra (Retd.)	2,56,224	-	-	2,56,224	-	2,56,224
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	O.N.G.C. Project	Prof. Dr. V. K. Paul	-	2,32,000	-	2,32,000	1,04,600	1,27,400
6	IIT Jaipur Project	Prof. Anil Dewan	97,408	-	-	97,408	-	97,408
7	Delhi Cantonment Board Project (Drain Project)	Prof. Y. K. Jain	10,550	-	-	10,550	10,550	-
8	Traffic Management Toolkit Project	Prof. (Dr.) Sanjay Gupta	3,18,982	-	-	3,18,982	3,18,982	-
9	Rites Ltd. Modelling for Ahmedabad Dholera SIR Metro Project	Prof. (Dr.) Sanjukta Bhaduri	87,875	-	-	87,875	87,875	-
10	Oil India Project	Prof. (Dr.) Sanjukta Bhaduri	25,76,381	-	10,842	25,86,223	25,86,223	-
11	Oil India Project (Equipment)	Prof. (Dr.) Sanjukta Bhaduri	10,842	-	-	10,842	-	-
12	National School of Drama, NSD's Re-Developments Project	Prof. Arunava Das Gupta	22,35,516	-	-	22,35,516	-	22,35,516
13	National Archives of India Project	Prof. Nalini Thakur	12,83,474	-	2,10,000	14,93,474	13,50,625	1,42,849
14	Rejuvenation of Water Bodies, Delhi Cantonment Area Project	Prof. Y. K. Jain	3,15,260	-	-	3,15,260	17,025	2,98,235
15	Comprehensive Improvement & Drainage & Sewage System, Delhi Cantt. Project	Prof. Y. K. Jain	5,33,299	34,31,310	-	39,64,609	36,04,235	3,60,374
16	DLF Universal Ltd., Capital Green Project	Prof. (Dr.) Manddeep Singh	9,000	5,69,250	-	5,78,250	5,78,250	-
17	DLF Homes Panchkula Pvt. Ltd., DLF Valley Project	Prof. (Dr.) Manddeep Singh	2,11,640	-	-	2,11,640	-	2,11,640
18	Shri Mata Vaishno Devi Shrine Board Project	Prof. (Dr.) Manddeep Singh	-	37,94,400	-	37,94,400	30,61,197	7,33,203
19	Master Plan of Gogamukh, NHPC Project	Prof. (Dr.) R. Biswas	2,54,374	2,47,250	-	5,01,624	4,78,070	23,554
20	NTPC, Fly Ash Transport Study Project	Prof. (Dr.) P. K. Sarkar	79,948	-	-	79,948	10,54,948	-
21	RLDA, Sarai Rohila and Ashok Vihar Project	Prof. (Dr.) P.S.N Rao	1,49,375	7,81,875	18,125	9,49,375	8,66,875	82,500
22	Kendriya Vidyalaya Sangathan Project	Prof. Aruna Ramani Grover	14,426	-	-	14,426	55,726	41,300
23	PWD Govt. of Maharashtra Redevelopment of Bandra (E)	Prof. Dr. P.S.N Rao	1,56,071	41,300	-	7,31,071	30,653	25,073
24	India Post Payments Bank Ltd. Project	Prof. Dr. P.S.N Rao	5,75,000	5,75,000	-	11,50,000	3,77,480	7,72,520
25	Dept. of Rural Development and Panchayati Rajasthan, RURBAN MISSION	Prof. (Dr.) N. Sridharan	1,11,854	3,45,000	6,052	4,62,906	4,08,058	54,848
26	DEO Residence at Mall Road, Delhi Cantt. Project	Mr. Prabhat Singh Sugga	19,49,992	27,16,560	56,440	47,16,992	38,21,599	8,95,393
27	Yes Bank for Training Programme Project	Prof. Manoj Mathur	1,35,856	-	-	1,35,856	1,35,856	-
28	Competition of Model Design for Storage of EVMS and VW Pat's Project	Prof. (Dr.) P.S.N Rao	1,61,460	12,269	3,650	1,77,379	1,77,379	-
29	Baidi Baroitwala Nalagarh Dev. Auth. Project	Prof. (Dr.) P.S.N Rao	56,521	-	-	56,521	56,521	-
30	Feasibility Report for Upgradation of Existing Centre, UFO Moviez India Pvt. Ltd.	Prof. Dr. Mayank Mathur	-	7,08,000	-	7,08,000	3,44,838	3,63,162
31	Master Plan for Mount Abu Eco-Centre Zone Project	Prof. Manoj Mathur	-	3,91,000	-	3,91,000	3,91,000	-
32	Medicinal & Herbal Garden, Noida Project	Prof. Dr. Meenakshi Dhote	-	13,92,449	-	13,92,449	4,45,654	9,46,795
33	National Institute of Tuberculosis and Respiratory Diseases	Prof. Dr. Surinder Sunjeja	-	44,61,817	-	44,61,817	32,36,388	12,25,429
34	O.N.G.C Karakal Pondicherry Project	Prof. Dr. V. K. Paul	-	3,00,000	-	3,00,000	3,00,000	-
35	Rashtriya Sanskrit Sansthan Project	Prof. Dr. P.S.N Rao	-	7,16,850	-	7,16,850	3,71,975	3,44,875
36	RURBAN MISSION BENCHMARK Project	Prof. Dr. P.S.N Rao	-	5,90,000	-	5,90,000	5,65,000	25,000
37	RURBAN MISSION - Hariyana Project	Prof. Dr. Meenakshi Dhote	-	8,22,312	-	8,22,312	7,49,710	72,602
38	RURBAN MISSION - Uttar Pradesh Project	Prof. Dr. Meenakshi Dhote	-	10,67,094	-	10,67,094	8,99,085	1,68,009
39	TCL-II BHU Varanasi Project	Prof. Manoj Mathur	-	39,51,000	-	39,51,000	18,18,130	21,32,870
40	Tourism UP Pro-poor Tourism Development Project	Prof. Manoj Mathur	-	2,00,000	-	2,00,000	2,00,000	-
41	Urban Policy & Practice in South Asia Project	Prof. Dr. Meenakshi Dhote	-	35,02,575	-	35,02,575	16,05,347	18,97,228
42	Viable Rental Housing Models for HSMI Project	Prof. Dr. Ashok Kumar	-	1,30,350	-	1,30,350	1,30,350	-
	Total (Rs.)	Asstt. Prof. Ruchita Gupta	1,17,17,568	3,50,01,111	5,52,359	4,72,71,038	3,39,92,937	1,32,78,101

## 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. 22,40,694 and Interest on Income Tax Refund during the year for Rs. 62,356/- is added to the Surplus account. The school has also deducted Rs.3,78,873/- 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. Service tax liability and/or Goods and service tax liability is assumed at the time when payment is received from the project.
7. The Consultancy cell received Refund of income tax of Rs.9,47,942/- during the financial year in School account that has been adjusted in School share distribution and TDS Receivable Account. The Refund of income tax is yet to be distributed in the Projects Accounts and school share.
8. Separate Cash Book and Books of Accounts have been maintained for Consultancy Fund.
9. Figures are rounded off to the nearest rupees.
10. Figures of the previous year have been regrouped/ rearranged and recasted wherever considered necessary.
11. Notes are annexed to and from an integral part of the Balance Sheet as at 31-03-2018 and the Receipts and payments for the year ended on that date.

# SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI SCHEDULES FORMING PART OF THE FINANCIAL ACCOUNTS FOR THE YEAR ENDIND 31-03-2018

## 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 where available; if not available, the value is estimated based 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:

S. No.	Nature of asset	Rate of depreciation
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 Re.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 form 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.

## **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.

## **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) (iiiab) 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 31st March 2018, there are 15 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 HRD, 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.86,46,307 is made during the financial year 2017-18.

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.12,92,264 and Rs.29,26,960 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.22,97,966 pertaining to the Financial year 2015-16 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.8,54,001 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 Prepaid Expenses**

During the year 2010-11, school has made a lump sum payment of Rs. 49,63,500/- to Mahanagar Telecom Limited (MTNL) of Internet link for 10 years and such prepaid expenditure to be written off to Income & Expenditure Account over the period of agreement i.e. expenditure will be spread over the period of 10 years and unadjusted balance to be shown under the head of current assets.

### **6 Source 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 Human Resource Development, 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 received Capital Grant amounting to Rs. 1,00,00,000 from Ministry of Human Resource Development 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 31-03-2018 and the Income and Expenditure account for the year ended on that date.

For SUNDER SHARMA & CO.  
CHARTERED ACCOUNTANTS

Sd/-  
CA. RAJAT DAGA  
PARTNER

Sd/-  
GIRISH KUMAR  
ASSISTANT REGISTRAR  
(A&B)

Sd/-  
UMAKANT AGARWAL  
REGISTRAR

Sd/-  
PROF. DR. P.S.N. RAO  
DIRECTOR

PLACE: NEW DELHI  
DATE: 27-09-2018



# **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 2018**

- 1 We have audited the attached Balance Sheet of the School of Planning and Architecture (SPA) as at 31st March 2018 and the Income & Expenditure Account/Receipts & Payments Account for the year ended on that date under section 20(1) of the Comptroller & Auditor General's Duties, Powers & conditions of Service) Act, 1971. The audit has been entrusted for the period up to 2017-18. 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 audit evidence. 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 Human Resource Development, 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 Corpus / Capital Fund (Schedule 1A)- Rs. 1.24 crore.**

The above does not include the grants utilized for Capital Expenditure though the SPA had total assets of Rs. 43.74 crore and net depreciated assets of Rs. 13.64 crore as on 31.03.2018. All these items (figures) have included in Schedule 2 (Designated/Earmarked/Endowment Fund). To this extent these schedules ( Schedule 1 & 2) were not drawn as per the instructions in Format of accounts prescribed by ministry of Human Resource Development. The same has been pointed out in the Separate Audit Report since 2014-15 but rectification has not been done.

#### **A.1.2 Reserves and Surplus (Schedule 1 B) Rs. - 6.90 crore**

The above represents deficit of income of Rs. (-) 6.90 crore which should have been depicted under

“Capital Fund”. This is in contravention of format of accounts prescribed by MHRD.

**A. 2 Assets**

**A.2.1 Investment Other (Schedule - 6) Rs. 1.20 crore**

The above represents investment of Rs. 1.20 crore while as per records the investment is Rs. 1.00 crore resulting in overstatement of investment and interest income by Rs. 20 lakh.

**B. Significant Accounting Policies**

**B.1** Significant Accounting policy No. 5 is in violation of AS-15 of ICAI which provides that Employees’ Benefits/obligations are to be provided on Actuarial Valuation Method and also in contravention of the format prescribed by MHRD. This is being pointed out since 2014-15 but no action has been taken.

**C. General**

**C.1** An amount of Rs. 13.86 Lakh has been shown as “Advance recoverable from GPF” in GPF/CPF balance sheet. This unreconciled balance are very old. Serious effort should be made to reconcile these balance.

**D. Grant-in-aid**

During the year 2017-18, the School of Planning and Architecture received grant-in-aid of Rs. 38.04 crore (Recurring Rs. 37.04 crore and Non-Recurring Rs. 1.00 crore) from the Ministry of Human Resource Development, of which Rs. 5.17 crore (Recurring : Rs. 5.09 crore and Non-Recurring Rs. 0.75 crore) was received during March 2018. The recurring grant-in-aid was fully utilized and from the non recurring grant-in-aid expenditure of Rs. 86.46 lakh was incurred leaving unutilized grant-in-aid of Rs. 13.54 lakh.

It also received Rs. 110.44 lakh for various projects and had Rs. 310.82 lakh as unspent balance of previous year. Out of the total fund of Rs. 421.26 Lakh it utilized Rs. 196.52 lakh leaving unutilized balance of Rs. 224.74 lakh as on 31 March 2018.

**E. Management letter :** Deficiencies which have not been included in the Audit Report have been brought to the notice of the Director, SPA 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 2018; and

b. in so far it relates to the Income and expenditure Account of the deficit for the year ended on that date.

For and on behalf of the C&AG of India

sd/-

Director General of Audit  
(Central Expenditure)

Place : New Delhi  
Date : 15.04.2019

## Annexure to 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 Human Resource Development. However the School has appointed a consultant as an Internal Auditor and has also appointed a Chartered Accountant (C.A.) who is engaged in conducting internal audit of the School on a regular basis and providing his report on quarterly basis.

### 2. Adequacy of Internal Control System

The Internal Control System of School needs to be strengthened in following areas :-

- Non-reconciliation and non-settlement of advances of previous years.
- Non-conducting of physical verification of fixed assets and inventory.
- Outstanding debit balance in various sponsored projects.
- Fixed Assets Register not maintained in the proper format as stipulated in GFR.
- The managements response to external audit objections is not effective as 70 paras pertaining to the period 1/04/12 to 31/03/2016 were outstanding as on 31/03/2018

### 3. System of physical verification of assets

- The physical verification of fixed assets has been conducted up to 2012-13
- Physical verification of books and publications had been conducted up to 2013-14.

### 4. System of physical verification of inventory

- Physical verification of inventory like stationery and consumables was conducted upto 2010-11.

### 5. Regularity in payment of dues

- As per the accounts, no payment over six months in respect of statutory dues was outstanding as on 31.03.2018



## **School of Planning and Architecture**

*An Institution of National Importance  
under an Act of Parliament (Ministry of HRD, Govt. of India)*

4-Block-B, Indraprastha Estate, New Delhi- 110002

**[www.spa.ac.in](http://www.spa.ac.in)**