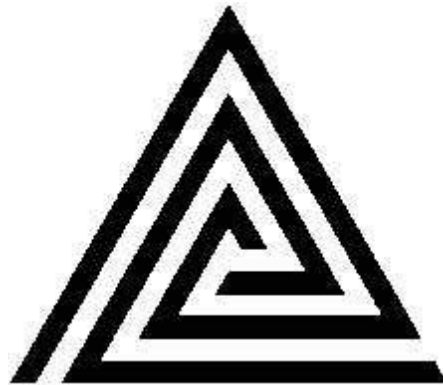


ANNUAL REPORT

2016-17



SCHOOL OF PLANNING AND ARCHITECTURE

An "Institution of National Importance" under an Act of Parliament

(Ministry of HRD, Government of India)

Indraprastha Estate, New Delhi-110002

PREFACE

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 since January 2015.

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, three in architecture, five in planning, and one each in industrial design and building engineering and management. Total strength of the students in session 2016-17 was 1,210 of which 714 were undergraduate students. Presently 59 students are pursuing P h.D. programme in the School.

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 in the form of Quality Improvement Programmes and training workshops in collaboration with other institutions.

This Annual Report covers the activities and achievements of the various departments of studies and their respective members during 2016-17. It demonstrates the dedication of the School towards quality education and social responsibilities. 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.

Prof. Chetan Vaidya

Director

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A BRIEF ABOUT SPA DELHI

Background

School of Planning and Architecture (SPA) 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 in 1972 recognizing SPA an institution of national eminence. Government of India declared SPA 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 and Consultancy

The School continues to undertake research in architecture and planning sectors. 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 Delhi has been working on innovatory products and processes under the National Initiative for Design Innovation funded by Ministry of Human Resource Development. Under the flagship programme of the Shyama Prasad Mukherji RURBAN Mission, SPA Delhi was given the task of preparing Integrated Cluster Action Plan by Government of Rajasthan, Uttar Pradesh, Haryana and Kerala. Ministry of Rural Development has also given us a project on benchmarking of rural services under the RURBAN Mission.

International Exchanges

The School has signed MOUs with a large number of international universities and research organizations. Several students and faculty from other universities have visited SPA Delhi for delivering lectures, taking classes and networking for future academic collaborations. These MOUs have also resulted in joint research publications. Students from various universities abroad spent a semester in SPA Delhi and carried out research activities along with our students. SPA also organised several international workshops and seminars in India along with universities abroad. Under various exchange programmes, SPA Delhi received some of the prestigious scholars from USA, UK, Germany, Italy, Australia, and other countries.

Outreach Programmes

SPA Delhi organized a large number of workshops, exhibitions, and conference and training programs. Apart from organising regular workshops, seminars and conferences, SPA Delhi also worked with urban slum dwellers and rural population across several states and extended architectural and planning services.

DETAILS OF DEGREE PROGRAMMES
(a) COURSES CONDUCTED BY THE SCHOOL DURING
THE SESSION 2016-17

S. No.	Name of the Course	Approved Intake	Duration
1.	Bachelor's Degree Course in Architecture	105 +15%*+1**	5 years
2.	Bachelor's Degree Course in Planning	34 +15%* +1**	4 years
3.	Master's Degree Course in Planning with specialization in Urban Planning	31	2 years
4.	Master's Degree Course in Planning with specialization in Regional Planning	15	2 years
5.	Master's Degree Course in Planning with specialization in Environmental Planning	15	2 years
6.	Master's Degree Course in Planning with specialization in Housing	23	2 years
7.	Master's Degree Course in Planning with specialization in Transport Planning	23	2 years
8.	Master's Degree Course in Architecture with specialization in Arch. Conservation	15	2 years
9.	Master's Degree Course in Architecture with specialization in Industrial Design	23	2 years
10.	Master's Degree Course in Architecture with specialization in Urban Design	20	2 years
11.	Master's Degree Course in Landscape Architecture	23	2 years
12.	Master's Degree Course in Building Engineering and Management	31	2 years
13.	Doctoral Programmes (Full-Time/Part-Time)	12x3	Full-Time - Min.2 years - Max.5 years Part-Time - Min.3 years - Max.7 years

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

(b) ENROLMENT OF STUDENTS IN UNDERGRADUATE AND POSTGRADUATE DEPARTMENTS OF STUDIES DURING THE YEAR 2016-17

S. No.	Name of Course	I Year	II Year	III Year	IV Year	V Year	Total
Undergraduate Courses							
1	Bachelor's Degree Course in Architecture	116	109	103	152	103	583
2	Bachelor's Degree Course in Planning	32	34	30	35	0	131
Postgraduate Courses							
1	Master's Degree Course in Planning with specialization in Urban Planning	32	31	-	-	-	63
2	Master's Degree Course in Planning with specialization in Regional Planning	16	15	-	-	-	31
3	Master's Degree Course in Planning with specialization in Environmental Planning	15	15	-	-	-	30
4	Master's Degree Course in Planning with specialization in Housing	21	22	-	-	-	43
5	Master's Degree Course in Planning with specialization in Transport Planning	22	23	-	-	-	45
6	Master's Degree Course in Architecture with specialization in Arch. Conservation	15	19	-	-	-	34
7	Master's Degree Course in Architecture with specialization in Industrial Design	21	15	-	-	-	36
8	Master's Degree Course in Architecture with specialization in Urban Design	21	21	-	-	-	42
9	Master's Degree Course in Landscape Architecture	23	23	-	-	-	46
10	Master's Degree Course in Building Engineering and Management	33	34	-	-	-	67
Ph.D. Programme		15	0	-	-	-	59
Grand Total		382	361	133	187	103	1210

(c) MALE FEMALE DISTRIBUTION OF STUDENTS AND SCHOLARS, 2016-17

Name of Stream	Male	Female	Total
Undergraduate	415	299	714
Postgraduate	222	215	437
Ph. D. Programme	27	32	59
Total	664	546	1210

(d) RESERVATION OF SEATS

For the reserved category of students, the School has admitted in Undergraduate, Postgraduate and Ph.D. Programmes during the session 2016-17 as per details given below:

Category	Details
Scheduled Castes (SC)	15 percent (intake)
Scheduled Tribes (ST)	7.5 percent (intake)
Other Backward Class (OBC)	27 percent (intake)
Physically Challenged (PH)	3 percent (reservation is in built in the all above categories)
Armed Personnel (widows of personnel of the Armed Forces, Para Military Forces killed or disabled in action during hostilities) (AP)	2 seats 1 each in Bachelor of Architecture and Bachelor of Planning programmes only
Kashmiri Migrant (in addition to the sanctioned intake) (KM)	1 seat each for undergraduate courses and 2 seats, one for Planning stream and one for Architecture stream of postgraduate courses

(e) ENROLMENT

Number of Students Enrolled Under Various Categories in Undergraduate, Postgraduate and Ph.d. Programmes during the Session 2016-17

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	14	35	13	2	4	4	2	6	2	0	2	0	1	3	0	4	6	0	0	0	0	0	60	56	116
2	4	11	4	1	1	1	0	7	2	0	0	0	1	0	0	0	0	0	0	0	0	16	16	32	
3	5	13	1	3	1	1	0	3	5	0	0	0	0	0	0	0	0	0	0	0	0	10	22	32	
4	5	3	0	2	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	7	9	16	
5	5	3	1	1	1	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	9	6	15	
6	2	10	2	1	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	16	21	
7	8	5	2	1	0	0	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	14	8	22	
8	4	4	1	1	1	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	8	7	15	
9	5	5	0	3	1	1	1	4	0	1	0	0	0	0	0	0	0	0	0	0	0	7	14	21	
10	8	4	3	0	0	0	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	16	5	21	
11	1	12	3	0	1	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	6	17	23	
12	11	6	1	3	2	0	5	3	0	1	0	1	0	0	0	0	0	0	0	0	0	19	14	33	
13	6	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	9	15	
	78	120	31	18	12	8	55	40	4	0	3	3	0	4	6	0	0	0	0	0	0	183	199	382	

(f) NUMBER OF BOYS AND GIRLS PASSED OUT FROM VARIOUS COURSES DURING 2015-16 (MAY 2016)

Name of the Course	Number of Students Passed with Distinction		First Class		Second Class		Total		Grand Total
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Bachelor of Architecture	1	5	61	25	2	0	64	30	94
Bachelor of Planning	0	5	10	10	1	0	11	15	26
Master's Degree Course in Planning with specialization in Urban Planning	2	1	12	16	0	0	14	17	31
Master's Degree Course in Planning with specialization in Regional Planning	0	2	6	5	1	0	7	7	14
Master's Degree Course in Planning with specialization in Environmental Planning	0	0	8	8	0	0	8	8	16
Master's Degree Course in Planning with specialization in Housing	0	1	9	10	0	0	9	11	20
Master's Degree Course in Planning with specialization in Transport Planning	5	2	12	5	0	0	17	7	24
Master's Degree Course in Architecture with specialization in Architectural Conservation	0	4	3	6	0	1	3	11	14
Master's Degree Course in Architecture with specialization in Industrial Design	3	2	11	5	0	0	14	7	21
Master's Degree Course in Architecture with specialization in Urban Design	0	0	10	9	0	0	10	9	19
Master's Degree Course in Landscape Architecture	0	0	11	11	0	0	11	11	22
Master's Degree Course in Building Engineering and Management	3	1	16	5	0	0	19	6	25
Ph.D. Programmes	0	1	0	0	0	0	0	1	1
Grand Total	14	24	169	115	4	1	187	140	327

(g) CUMULATIVE OUT-TURN

Cumulative out-turn of the students qualified in various courses from the inception of the School till 2015-2016 is as follows:

Name of the Course	Cumulative Out-turn		Total
	2014-2015	2015-2016	
Bachelor's Degree Course in Architecture	3137	94	3231
Bachelor's Degree Course in Planning	444	26	470
Master's Degree Course in Planning with specialization in Urban Planning	552	31	583
Master's Degree Course in Planning with specialization in Regional Planning	272	14	286
Master's Degree Course in Planning with specialization in Environmental Planning	259	16	275
Master's Degree Course in Planning with specialization in Housing	520	20	540
Master's Degree Course in Planning with specialization in Transport Planning	420	24	444
Master's Degree Course in Architecture with specialization in Arch. Conservation	207	14	221
Master's Degree Course in Architecture with specialization in Industrial Design	204	21	225
Master's Degree Course in Architecture with specialization in Urban Design	417	19	436
Master's Degree Course in Landscape Architecture	500	22	522
Master's Degree Course in Building Engineering and Management	518	25	543
Ph.D. Programmes	47	1	48
Master's Degree Course in Urban and Regional Planning	140		140
Post-Graduate Diploma Courses in (equivalent to Master's Degree) <ul style="list-style-type: none"> • Urban and Regional Planning • Housing and Community Planning • Traffic and Transportation Planning 	603	-	603
Total	8,240	327	8,567

THIRTY FOURTH CONVOCATION AND FOUNDATION DAY

Thirty Fourth Convocation of the School was held on 19 January 2017. Dr. D.S. Meshram was the Chief Guest and Dr. M Ravi Kanth, IAS, was the Guest of Honour on this occasion. Prof. Chetan Vaidya, Chairman, Executive Council and Director, and all Heads of Departments of Studies welcomed both the Chief Guest and Guest of Honour. Prof. Chetan Vaidya delivered welcome speech and briefed about the achievements of the School. Dr. D.S. Meshram addressed the gathering and Dr. M Ravi Kanth, IAS,, Chief Guest delivered the convocation address. During the function a booklet containing the Messages of the Chief Guest, Guest of Honour, Chairman, Executive Council, Achievements of the School, a list of members of General Council, Executive Council, and Academic Council, names of the graduands eligible for the award of degrees, etc. was circulated during the function. Chairman, Executive Council admitted 120 graduands, 206 post-graduands and 1 Ph.D. graduands in person and in absentia for the award of degree certificates in their respective area of disciplines. During the function, following awards and medals were conferred both by the Chief Guest and the Guest of Honour for the session 2015-16. Prof. Dr. Mandeep Singh, Dean of Studies delivered a vote of thanks.

Undergraduate Award and Medals

SPA Gold Medal for the best student in Bachelor of Architecture was awarded to Ms. Tamanna Arora (A/2364/2011); and for the best student in Bachelor of Planning it was awarded to Ms. Sukanya Sharma (BP/560/2012). SPA Gold Medal for the best thesis in Bachelor of Architecture was awarded to Ms. Tamanna Arora (A/2364/2011) and for the best thesis in Bachelor of Planning was awarded to Ms. Charve Jain (BP/559/2012). General Proficiency Prizes in Bachelor of Architecture were awarded - First Prize - Ms. Tamanna Arora (A/2364/2011) and the Second Prize – Mr. Arpit Jain (A/2346/2011). General Proficiency Prizes in Bachelor of Planning was awarded to – First Prize – Ms. Charve Jain (BP/559/2012) and Second Prize – Ms. Shreya Mangla (BP/561/2012).

Postgraduate Award and Medals

SPA Gold Medal for the best student of Master of BEM was awarded to Mr. Amit Chamanlal Moza (BEM/604); for the best student of Master of Planning with specialization in Transport Planning – Ms. Neethaji Vigneshwar P. (TP/550); for the best student of Master of Planning with specialization in Urban Planning – Mr. R. Sairam (UP/1179); for the best student of Master of Design with specialization in Regional Planning – Ms. Diki Wangmu Bhutia (RP/1196); for the best student of Design with specialization in Housing Ms. Richa Rashmi Shirke (H/529)); for the best student of Design with specialization in Architectural Conservation Mr. Jessin Kabir (AC/703)); and for the best student of Design with specialization in Industrial Design Mr. Jettin Tom Augustine (ID/245). Founder Director Prof. T.J. Manickam Gold Medal was awarded for the best overall performance of the undergraduate and postgraduate to Ms. Nishita Mohta, (A/2319), a student of Bachelor of Architecture and Mr. Amit Chamanlal Moza (BEM/604), a student of Master in Planning with specialization in Building Engineering and Management Planning.

FOUNDATION DAY– 2016

The Foundation Day of the School was celebrated on 4 November 2016. Prof. H.B. Singh, Chief Guest and Ms. Meena Mani, Guest of Honour, delivered their addresses on the Foundation Day. Prof. Chetan Vaidya, Director of the School was also present during the function to grace the occasion. During the function, the following awards and scholarships were given away by Prof. H.B. Singh, the Chief Guest and Guest of Honour Ms. Meena Mani.

- Vandana Goyal Award has been instituted out of the endowment fund donated by Dr. M.L. Goyal in memory of his daughter, ex-student of B. Arch. Course and is awarded to a student who secures highest marks in the third year B. Arch. Examination. The Award was given to Mr. Anant Mital (A/2583/2013) B.Arch. for the session 2015-16.
 - Ved Prakash Memorial Award has been instituted out of the endowment fund donated by Ms. Chandan Aggarwal, wife of late Shri Ved Prakash Aggarwal and is awarded to a student who attains the first rank in the fourth year B. Arch. Examination. The scholarship was awarded to Mr. Milind Goel (A/2456/2012) for the session 2015-16.
 - Prof. M.R. Agnihotri Award has been instituted out of the endowment fund donated by Late Prof. M.R. Agnihotri and is given to a final year student of Master's Degree Course in Architecture with specialization in Industrial Design having passed the examination in first class and securing highest marks in design project. The award was given to Mr. Jettin Tom Augustine (ID/245) for the session 2015-16.
 - Shriya Anand Award has been instituted out of the endowment fund donated by Capt. Jai Kumar Anand in the memory of his daughter Late Ms. Shriya Anand and is awarded to a student of Master's Degree Course in Landscape Architecture for the best overall performance in Landscape Architecture Studio in four semesters. The award was given to Mr. Amit Bhattacharya (LA/533) for the session 2015-16.
 - Narendra Juneja Gold Medal is given out the endowment made on behalf of late Shri Narendra Juneja, an alumnus of the School is awarded for the best individual performance in Landscape Architecture-IV (Studio) to the final year student of Master's Degree Course in Landscape Architecture. The award was given to Mr. Amit Bhattacharya (LA/533) for the session 2015-16.
 - Prof. N.S. Saini Gold Medal is given out of endowment fund made in the memory of late Prof. N.S. Saini and is awarded for securing highest marks in Thesis, amongst the students of Master of Planning with specialization in Urban Planning or Regional Planning. The award was given to Ms. Priyadarshika Das (UP/1176) for the session 2015-16.
 - Prof. S.K. Narayana Memorial Alumni Gold Medal is given out the endowment made in the memory of late Prof. S.K. Narayana, and is awarded to a student for the best "Thesis" in Building Engineering and Management. The award was given to Mr. Amit Chamanlal Moza (BEM/604) for the session 2015-16.
 - Kajaria Meritorious Student Award (Three Awards) is given out of the endowment made Messors Kajaria Ceramics Limited and awarded for fifth year B.Arch. students who secure highest marks in order of their merit. The awards were given to the following students for the session 2015-16:
 - Ms. Tamanna Arora (A/2364/2011)
 - Ms. Nishita Mohta (A/2319/2011)
 - Ms. Gunjan Aggarwal (A/2331/2011)
9. Kohlar Architecture Scholarship (Five Awards) is given by Messors Kohler India Corporation Pvt. Ltd. and was awarded to fifth year B. Arch. Students on the basis of all round performance up to fourth year class. The awards were given to the following students for the session 2015-16:

- Mr. Milind Goel (A/2456/2012)
- Ms. Tanya Makkar (A/2480/2012)
- Ms. Shweta Sundar (A/2468/2012)
- Ms. Mehar Nischal Bahl (A/2477/2012)
- Ms. Grisha Sethi (A/2475/2012)

10. J.K. Chowdhury Award is an award given out of the endowment fund in the memory of Late Padamshree J.K. Chowdhury, Eminent Architect. It is awarded to a student who secures highest marks in the Architecture Design subject in the Third year B. Arch. examination. The award is given to Ms. Sonal Thakur (A/2561/2013) for the session 2015-16.

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
- Bachelor of Building Science
- Doctor of Architecture Degree Programme

3. Year of establishment of the Department

1941

4. Faculty profile:

Name of the Faculty	Educational Qualifications	Areas of Specialization	Years of Experience	COA Registration
Professors				
Mandeep Singh	B.Arch., 1979; M. Arch (UD), 1986; Ph.D. 2014	Architectural Design, Urban Design, Earthquake Resistant Architecture	36	CA/80/5693
M.L. Bahri*	B. Arch., 1975	Architectural Design, Building Construction	40	CA/1980/05677
Manoj Mathur	B.Arch. 1982; PG Dip. in Health Facilities, 1989	Architectural Design, Housing , Building Services, Architectural History	33	CA/ 84/ 8183
Aruna Ramani Grover	B.Arch., 1984; Masters in Planning (Housing); 1995; Ph.D. 2010	Architectural Design, Housing, Architectural History, Water and Sustainable Cities	29	CA/85/9202
Anil Dewan	B.Arch., 1982; MBEM, 2003; Ph.D. 2012	Architectural Design, Health Facility Planning, Project Management	33	CA/83/7565
Jaya Kumar	B. Arch, 1979; Ph.D. 2013	Environment Planning For Children, Architectural Design, Architectural Research	36	CA/81/6122
Ranjana Mital	B.Arch., 1979; Ph.D., 2003	Architectural Design, Architectural History, Housing,	36	CA/ 81/ 06196
Y.K. Jain	B.Sc. (CE), 1976; M.Sc. Engg Civil (Structural), 1980	Structural Engineering	39	Registered with IE

Note: * Mr. M.L. Bahri retired from the services of the School on 28.02.2017

Associate Professors				
Leon A. Morenas	B. Arch, 2000; M. Arch (UD), 2002; Ph.D. Rennselaer Polytechnic Institute, New York, USA, 2010	Architectural Design, Urban Design, Theory Of Design, Science And Technology Studies	9	CA/2011/51131
Shweta Manchanda	B. Arch, 1998; M. Phil, 2000; Ph.D., Cambridge University, 2008	Architectural Design, Environmental Design, Energy Management	13	CA/98/23712

Assistant Professors				
Rajaprakash P.	B.Arch., 1989; M.Arch., 1991; Ph.D., 2013	Architectural Design, Landscape Architecture	26	CA/93/15532
S.K. Aaditya	B.Arch., 1986	Architectural Design,	27	CA/88/11735
Parul Kiri Roy	B.Arch. M.F.A (History of Art)	Architecture Research and Design, Visual Communication, History of Art, Theory	13	CA/2001/28679
Shuvojit Sarkar	B.Arch., 2002; M. Plan (Env.), 2005	Architectural Design, Environmental Planning	12	CA/2004/32924
Prabhjot Singh Sugga	B.Arch., 2001 ; MS (UP), Columbia University, USA, 2004	Architectural Design, Vernacular Architecture, Disaster Management	12	CA/2008/42234
S.P. Shrivastava	B.Sc. Engg., (Civil), 1984; ME (Civil), 1991	Soil Mechanics And Foundation Engineering	22	Registered with IE, IASE
Moulshri Joshi	B.Arch., 2003	Architectural Design, Industrial Heritage	12	CA/2005/36850
Arpita Dayal	B.Arch., 2003; M. Arch.(UD), 2009	Architectural Design, Urban Design	12	CA/2007/39718
Anjali Mittal	B.Arch., 2005; M.Sc.(City Design and Social Science), LSE, London, 2008	Architectural Design, Urban Design, Urban Planning And Policy, Sociology	11	CA/2009/45148
Mekhla Parihar	B.Arch., M.Arch., Kansas State University, Kansas, USA	Architectural Design, Building Construction, Environment Behavior	13	CA/2009/46924
Saptarshi Sanyal	B. Arch.; M. Arch. (Architectural Conservation)	Architectural Design, History of Architecture, Theory of Settlements, Graphics and Visual Arts	9	CA/2009/46924
Aarti Nagpal	B.Arch., 2008; M.Plan. (Urban Planning), 2011; PGPCM (Construction Management); MBA (Interiors)	Architectural Design, Building Construction, Interior Design, Graphics, Construction and Project Management	7	CA/2009/45148
Vandana Kothari	B.F.A. (Painting), 1999; Bridge course HOA, 2000; M.F.A. (History of Art), 2002	Painting, Sculpture, Graphic Design, Photography, History of Art	15	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 2016	Arch. Design, Building Constructions	9
	Jan-May 2017	Thesis Technology, Thesis Design	10
M.L. Bahri*	July-Dec 2016	Arch. Design, Building Constructions, Dissertation	15
	Jan - May 2017	Thesis Technology, Thesis Design, Professional Practice	14
Manoj Mathur	July-Dec 2016	Arch. Design, History of Arch., Building Constructions	11
	Jan- May 2017	Thesis Technology, Thesis Design, Practical Training	14
Aruna Ramani Grover	July-Dec 2016	Arch. Design, Urban Design Research, History of Arch., Dissertation	15
	Jan- May 2017	Thesis Design, Thesis Report, History of Arch. Practical Training	16
Anil Dewan	July-Dec 2016	Arch. Design, Building Management, Seminar, Dissertation	17
	Jan- May 2017	Arch. Design, Building Constructions, Professional Practice, Practical Training	16
Jaya Kumar	July-Dec 2016	Arch. Design, Urban Design Research, Dissertation	15
	Jan- May 2017	Thesis Design, Thesis Report, Professional Practice, Practical Training	16
Ranjana Mital	July-Dec 2016	Arch. Design, Seminar, History of Architecture, Theory of Structures Studio	12
	Jan- May 2017	Arch. Design, History of Arch., Theory of Structures Studio	16
YK Jain	July-Dec 2016	Theory of Structures	11
	Jan- May 2017	Theory of Structures	16
Leon A Morenas	July-Dec 2016	-	
	Jan- May 2017	-	
Rajaprakash P.	July-Dec 2016	Arch. Design, Theory of Design, Theory of Settlements, Dissertation	17
	Jan- May 2017	Arch. Design, Theory of Design, Building Constructions	18
S.K. Aaditya	July-Dec 2016	Arch. Design, B. Des. and V. Arts, H.S. and V. Arch., Dissertation	18
	Jan- May 2017	Arch. Design, History of Arch., Building Constructions	18
Arpita Dayal	July-Dec 2016	Arch. Design, History of Arch., Urban Design Research, Dissertation coordinator, Elective on Space and Behavior	18
	Jan- May 2017	Arch. Design, Building Construction, V. Arts and B. Design, Thesis Report, History of Arch.	18
Vandana Kothari	July-Dec 2016	Art Appreciation, B. Des. and V. Arts	17

	Jan- May 2017	Art Appreciation, VABD. Arts, Professional Communications	18
Aarti Nagpal	July-Dec 2016	On leave (CCL)	
	Jan- May 2017	Theory of Settlements-VI, Building Constructions-IV,VI	18
Moulshri Joshi	July-Dec 2016	Arch. Design, H.S. and V. Arch., Building Constructions, Building Management, Dissertation, Elective, Seminar	20
	Jan- May 2017	-	
Shuvojit Sarkar	July-Dec 2016	Arch. Design, Environmental Studies, Workshop, Dissertation, Elective	19
	Jan- May 2017	Arch. Design, Climatology, Building Constructions	18
Saptarshi Sanyal	July-Dec 2016	Arch. Design, History of Arch., Theory of Settlements, Theory of Structures, Dissertation, Elective, Seminar	21
	Jan- May 2017	Arch. Design, History of Arch., Graphics, Theory of Design	18
Parul Kiri Roy	July-Dec 2016	Arch. Design, Graphics, History of Arch., Building Construction, Dissertation	20
	Jan- May 2017	Arch. Design, Graphics, History of Arch., Building Construction	18
Mekhla Parihar	July-Dec 2016	Architectural Design II, Theory of Structures II, Theory of Settlement II, Building Science and Services II, Dissertation (Coordinator and Guide) IV	19
	Jan-May 2017	Architectural Design II, Building Construction II, Building Science and Services II, Theory of Structures II	18
Piyush Jain	July-Dec 2016	-	
	Jan- May 2017	Surveying and Leveling, Theory of Structures	15

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
Saptarshi Sanyal	July-Dec 2016	Planning Communication 1; Tutorial - Photography (Department of Physical Planning)	0.5 (8 hour module)
	Jan- May 2017	Planning Communication 2; Tutorial - Photography (Department of Physical Planning)	1 (16 hour module)
Rajaprakash P.	July-Dec 2016	Landscape Architecture Design Studio	3
		Hydrology Module 1	2

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

Visiting Professors

S. No.	Name of the Visiting Professor	Post	Semester	Subjects (Theory / Studios)	Hours Week	Educational Qualifications
1.	Anil B. Jain	Visiting Professor	July-Dec 2016	-	-	
			Jan- May 2017	Thesis Technology, Thesis Design	9	
2.	Anita Dhar Kaul	Visiting Professor	July-Dec 2016	-		
			Jan- May 2017	Arch. Design, Building Constructions	12	
3.	Amit Bahl	Visiting Professor	July-Dec 2016	Arch. Design, Building Constructions	9	B. Arch.1996
			Jan- May 2017	-		
4.	Amit Hajela	Visiting Professor	July-Dec 2016	Arch. Design, Urban Design Research	12	B.Arch., 1989; M.Arch, 1992; PhD, 2012
			Jan- May 2017	Thesis Design, Thesis Technology, Professional Practice	12	
5.	Anand Dhote	Visiting Professor	July-Dec 2016	Arch. Design, Building Constructions	12	
			Jan- May 2017	Arch. Design, Building Constructions	12	
6.	Anil Bhatia	Visiting Professor	July-Dec 2016	-	-	B.Arch., 1982
			Jan- May 2017	-	-	
7.	Anuj Mehta	Visiting	July-Dec 2016	Arch. Design	9	B.Arch., 1987
		Professor	Jan-May 2017	-	-	
8.	Ashok Grover	Visiting Professor	July-Dec 2016	Building Science and Services, Building Constructions	12	B. Arch., 1980; M. Arch. (Arch. Design), 2012
			Jan- May 2017	Building Science and Services, Building Constructions	12	
9.	Ashwani Kumar Datta	Visiting Professor	July-Dec 2016	Arch. Design, Building Constructions, Dissertation	15	B.Arch., 1986 M.Arch., USA, 1989
			Jan- May 2017	Arch. Design, Building Constructions	12	
10.	B K Tanuja	Visiting Professor	July-Dec 2016	-		B. Arch., 1980
		Faculty	Jan- May 2017	Thesis Design	7	
11.	Bashabi Dasgupta	Faculty	July-Dec 2016	Dissertation	2	B.Arch., 1969
			Jan- May 2017	-		

12.	Deepti Gupta	Visiting Professor	July-Dec 2016	Building Management, Building Constructions, Dissertation	12	B.Arch., 1990 MBEM, 1995
			Jan- May 2017	Building Management, Arch. Design	12	
13.	Meena Mani	Visiting Professor	July-Dec 2016	-		B. Arch.1971
			Jan- May 2017	Thesis Design	7	
14.	Peu Banerjee	Visiting Professor	July-Dec 2016	Arch. Design	8	B. Arch.1992 M.Phil, 2005
			Jan- May 2017	Arch. Design	8	
15.	Pravesh Ghai	Visiting Professor	July-Dec 2016	Building Constructions, Building Management	9	
			Jan- May 2017	-		
16.	Priyamwada Chadha	Visiting Professor	July-Dec 2016	Arch. Design	6	B. Arch.1978
			Jan- May 2017	-		
17.	Rajeev Agarwal	Visiting Professor	July-Dec 2016	-		
			Jan- May 2017	Thesis Technology, Thesis Design	9	
18.	Richard Andre Barroud	Visiting Professor	July-Dec 2016	Arch. Design, Building Constructions	12	B.Arch., 1979
			Jan- May 2017	Arch. Design, Building Constructions	12	
19.	Sambuddha Sen	Visiting Professor	July-Dec 2016	Arch. Design	9	B. Arch. 1973
			Jan- May 2017	Thesis Design, Thesis Report	9	
20.	Sandip Kumar	Visiting Professor	July-Dec 2016	Arch. Design	9	B.Arch., 1992
			Jan- May 2017	Thesis Design, Thesis Report	9	
21.	Satish Khanna	Visiting Professor	July-Dec 2016	Arch. Design, Dissertation	12	B. Arch. SPA-Delhi, 1972
			Jan- May 2017.	Thesis Technology, Thesis Design, Building Construction	12	
22.	Satyakam Saha	Visiting Professor	July-Dec 2016	Arch. Design, Visual Arts, Elective	12	
			Jan- May 2017	Arch. Design, Visual Arts	11	
23.	Sanjiv Sood	Visiting Professor	July-Dec 2016	-		
			Jan- May 2017	-		
24.	Shiriesh Malpani	Visiting Professor	July-Dec 2016	Arch. Design	9	B. Arch.1978
			Jan- May 2017	Thesis Design	7	
25.	Snehanshu Mukherjee	Faculty Professor	July-Dec 2016	Arch. Design	9	B.Arch., 1982 M.Arch. 1988
			Jan- May 2017	-		

26.	Sonia Kapre	Visiting Professor	July-Dec 2016	Building Constructions, Arch. Design	13	B.Arch., 1977
			Jan- May 2017	Thesis Technology, Thesis Design, Building Construction	12	
27.	Sudhir Vohra	Visiting Professor	July-Dec 2016	Arch. Design, Seminar	10	B.Arch.
		Faculty	Jan- May 2017	Professional Practice	4	
28.	Suneet Mohindru	Visiting Professor	July-Dec 2016	Arch. Design	9	B.Arch. 1995, M. Arch. (L/scape), 1997
			Jan- May 2017	Thesis Design, Thesis Report, Professional Practice	12	
29.	Sushil Aggarwal	Visiting Professor	July-Dec 2016	Arch. Design	9	B.Arch. 1984
			Jan- May 2017	Thesis Technology, Thesis Design	9	
30.	Sushil Kumar Sharma	Visiting Professor	July-Dec 2016	Arch. Design, Building Constructions	12	
			Jan- May 2017	-	-	
31.	Vandana Shourie	Visiting Professor	July-Dec 2016	-	-	B.Arch., 1976
			Jan- May 2017	-	-	
32.	Vijay Garg	Visiting Professor	July-Dec 2016	Building Constructions, Arch. Design	12	B.Arch., 1989; PGD (HRD), 1994
			Jan- May 2017	Building Constructions, Arch. Design, Surveying and Levelling	12	

Visiting Faculty

S. No.	Name of the Visiting Faculty	Post	Semester	Subjects (Theory/Studios)	Hours per Week	Educational Qualifications
1.	Abid Husain	Faculty	July-Dec 2016	-		B.Sc., 1980
			Jan- May 2017	Building Science and Services	2	
2.	Abhay Ghate	Faculty	July-Dec 2016	Seminar	3	
			Jan- May 2017	Structures	3	
3.	Abhishek Bij	Faculty	July-Dec 2016	Seminar	3	
			Jan- May 2017	-	-	
4.	Abhishek Sorampuri	Faculty	July-Dec 2016	Dissertation	2	
			Jan- May 2017	-	-	
5.	Aditi Bisen	Faculty	July-Dec 2016	Visual Arts, Theory of Settlements Graphics	8	
			Jan-May 2017	-	-	

6.	Aditi Kundu	Faculty	July-Dec 2016	Theory of Design, Professional Communications, Art Appreciations, Dissertation	9	
			Jan- May 2017	Arch. Design, Theory of Design, Professional Communications	9	
7.	Aishwarya Tipnis	Faculty	July-Dec 2016	Elective	2	
			Jan- May 2017	-	-	
8.	Ajay Desai	Faculty	July-Dec 2016	-	-	B.F.A , M.F.A
			Jan- May 2017	-	-	
9.	Akshay Shrinagesh	Faculty	July-Dec 2016	Arch. Design, Graphics	12	
			Jan- May 2017	Arch. Design, Theory of Design	11	
10.	Alisa Akbar	Faculty	July-Dec 2016	Arch. Design	8	
			Jan- May 2017	-	-	
11.	Alok Sahdev	Faculty	July-Dec 2016	Building Management	9	
			Jan- May 2017	Building Management	5	
12.	Amar Puri	Faculty	July-Dec 2016	Building Constructions, Building Management	6	B.Arch, 1973
			Jan- May 2017	Building Constructions	4	
13.	Amardeep Labana	Faculty	July-Dec 2016	Arch. Design, Urban Design Research	10	
			Jan- May 2017	Arch. Design	8	
14.	Ameet Babbar	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	Arch. Design	9	
15.	Amit Khanna	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	Arch. Design	5	
16.	Amit Krishn Gulati	Faculty	July-Dec 2016	Elective	2	Diploma in Industrial Design, 1995
			Jan- May 2017	-	-	
17.	Amit Kumar	Faculty	July-Dec 2016	Computers	4	
			Jan- May 2017	Computers	6	
18.	Amit Prabhakar	Faculty	July-Dec 2016	Arch. Design, Structures, Workshop	12	
			Jan- May 2017	Arch. Design, Building Constructions	11	
19.	Amit Sarma	Faculty	July-Dec 2016	Elective	2	
			Jan- May 2017	-	-	
20.	Amritha Ballal	Faculty	July-Dec 2016	Seminar	3	B. Arch., 2003
			Jan- May 2017	-	-	

21.	Anamika Bagchi	Faculty	July-Dec 2016	Dissertation, Urban Design Research	4	
			Jan- May 2017	Thesis Report	2	
22.	Andre J. Fanthome	Faculty	July-Dec 2016	-		B.A.
			Jan- May 2017	-		Economics, 2002
23.	Anuj Srivastava	Faculty	July-Dec 2016	-		
			Jan- May 2017	Workshop	3	
24.	Anika Mittal	Faculty	July-Dec 2016	Dissertation	2	
			Jan- May 2017	-		
25.	Anil Bhatia	Faculty	July-Dec 2016	Arch. Design, Building Constructions	6	
			Jan- May 2017	-		
26.	Anil Kumar	Faculty	July-Dec 2016	Building Management	5	
			Jan- May 2017	-		
27.	Anil Nimesh	Faculty	July-Dec 2016	Computers	6	
			Jan- May 2017	-		
28.	Anshu Sharma	Faculty	July-Dec 2016	Elective	2	
			Jan- May 2017	-		
29.	Anurag Roy	Faculty	July-Dec 2016	Building Constructions	5	
			Jan- May 2017	-		
30.	Archana Gupta	Faculty	July-Dec 2016	-		Diploma in Arch., 1997; M.Sc. in Sustainable Development, 2009
			Jan- May 2017	-		
31.	Archana Khanna	Faculty	July-Dec 2016	Dissertation	2	B.Arch., 1991, M.U.D. 1993
			Jan- May 2017	-		
32.	Arun Kumar Agarwal	Faculty	July-Dec 2016	Structures	8	
			Jan- May 2017	-		
33.	Ashok Kumar Mittal	Faculty	July-Dec 2016	-		M.E. (Structures), Ph.D.
			Jan- May 2017	-		
34.	Asim Waqif	Faculty	July-Dec 2016	Graphics	3	
			Jan- May 2017	-		
35.	Ashwani Kumar Jha	Faculty	July-Dec 2016	-		B.Sc. (Hons), 1994
			Jan- May 2017	-		
36.	Bashabi Dasgupta	Faculty	July-Dec 2016	Dissertation	2	
			Jan- May 2017	-		

37.	Bhaskar Agarwal	Faculty	July-Dec 2016	-		B. Arch, 2008, M. Arch., 2012
			Jan- May 2017	-		
38.	Bipasha Kumar	Faculty	July-Dec 2016	Environmental Studies, H.S. and V. Arch., Building Science and Services	6	
			Jan- May 2017	Theory of Design, Building Management	6	
39.	Balpreet Singh Madan	Faculty	July-Dec 2016	-		
			Jan- May 2017	Building Management	2	
40.	Buddadev Mukherjee	Faculty	July-Dec 2016	B. Des. and V. Arts	15	B.E.,M.E. Ph.D.
			Jan- May 2017	B. Des. and V. Arts	9	
41.	Chitra Chitrrashekhar	Faculty	July-Dec 2016	Dissertation	2	
			Jan- May 2017	-	-	
42.	Czaee Malpani	Faculty	July-Dec 2016	Theory of Design, Elective, Dissertation	6	B.Arch., 2007, M.Arch., 2011
			Jan- May 2017	-		
43.	D V Nathan	Faculty	July-Dec 2016	Seminar	3	
			Jan- May 2017	-		
44.	Deepak Madhok	Faculty	July-Dec 2016	-		N.D. Arch., 1975
			Jan- May 2017	-		
45.	Deepak Taneja	Faculty	July-Dec 2016	Building Constructions	3	
			Jan- May 2017	-		
46.	Deependra Prasad	Faculty	July-Dec 2016	Arch. Design	2	
			Jan- May 2017	Arch. Design	4	
47.	Dhiraj K. Khanna	Faculty	July-Dec 2016	Building Constructions	4	B. Arch., 2000
			Jan- May 2017	Structures	3	
48.	Divya Chopra	Faculty	July-Dec 2016	-		B. Arch.2005, M. Arch. 2007
			Jan- May 2017	-		
49.	Francis Joseph	Faculty	July-Dec 2016	B. Des. and V. Arts	15	B.E. (Mech.)1988, AEP Produce Design Diploma, 1991
			Jan- May 2017	B. Des. and V. Arts, Graphics	12	
50.	Gaurav Sharma	Faculty	July-Dec 2016	Arch. Design, Dissertation	11	B. Arch., 2002, M. Sc. (AC), 2006
			Jan- May 2017	Arch. Design	9	
51.	Gaurav Shorey	Faculty	July-Dec 2016	Arch. Design, Elective	4	B.Arch., 2004, PG Diploma in Advanced Construction Management, 2006
			Jan- May 2017	-	-	

52.	Gaurav Wahi	Faculty	July-Dec 2016	Elective	2	
			Jan- May 2017	-	-	
53.	Gauri S Gandhi	Faculty	July-Dec 2016	Arch. Design	9	B.Arch., 2001 M.Arch.
			Jan- May 2017	Arch. Design	9	
54.	Geeta Wahi	Faculty	July-Dec 2016	Elective	2	
			Jan- May 2017	-	-	
55.	Gunjan Jain	Faculty	July-Dec 2016	-	-	B. Arch., 2003 M. Planning, 2005
			Jan- May 2017	-	-	
56.	H R Malik	Faculty	July-Dec 2016	Building Constructions	3	
			Jan- May 2017	-	-	
57.	Henri A Fanthome	Faculty	July-Dec 2016	Arch. Design	5	B.Arch., 2004
			Jan- May 2017	Arch. Design	5	
58.	Hrishikesh	Faculty	July-Dec 2016	Workshop	9	
			Jan- May 2017	-	-	
59.	Jagdish Chander Wason	Faculty	July-Dec 2016	Structures, Elective	9	Diploma in Civil Engg., 1959; AMIE, 1964; ME(Civil), 1976
			Jan- May 2017	-	-	
60.	Jatinder Marwaha	Faculty	July-Dec 2016	Building Science and Services, Elective	4	
			Jan- May 2017	-	-	
61.	Jensil John	Faculty	July-Dec 2016	Arch. Design	9	B.Arch., 2006; M.Arch., 2011
			Jan- May 2017	-	-	
62.	Joy Mondal	Faculty	July-Dec 2016	Elective	2	
			Jan- May 2017	-	-	
63.	Jolly Rohtagi	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
64.	Kailash Chand Yadav	Faculty	July-Dec 2016	Structures	7	
			Jan- May 2017	Structures	6	
65.	Kalpana Sethi	Faculty	July-Dec 2016	Arch. Design, Elective	11	B.Arch., 1977; P.G. Diploma in IR and HR
			Jan- May 2017	-	-	
66.	Kanak Tiwari	Faculty	July-Dec 2016	-	-	B.Arch., 2001, M. U.D., 2003
			Jan- May 2017	-	-	
67.	Kanika Singal	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	

68.	Kanishka Jain	Faculty	July-Dec 2016	Building Constructions	4	
			Jan- May 2017	-	-	
69.	Kapil Chaudhary	Faculty	July-Dec 2016	Structures	9	Civil, A.I.E
			Jan- May 2017	Structures	3	
70.	Khushal Matai	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	Building Science and Services	2	
71.	Kingshuk Datta	Faculty	July-Dec 2016	Building Constructions, Professional Communication	6	
			Jan- May 2017	Building Constructions, Professional Communication	6	
72.	Kriti Gulati	Faculty	July-Dec 2016	Arch. Design	9	
			Jan- May 2017	Building Management, Professional Practice	4	
73.	Kshitij Dhyani	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	Workshop	6	
74.	Kushanava Chaudhury	Faculty	July-Dec 2016	Theory of Settlements, Elective	6	
			Jan- May 2017	-	-	
78.	Kapil Mathur	Professor	July-Dec 2016	Arch. Design, Visual Arts	13	B. Arch.1994
		Faculty	Jan- May 2017	Arch. Design, Visual Arts	11	
79.	Lalit Solanki	Faculty	July-Dec 2016	-	-	B.Arch., 1983
			Jan- May 2017	-	-	
80.	Lena Ragade Gupta	Faculty	July-Dec 2016	History of Arch., Seminar	5	
			Jan- May 2017	-	-	
81.	Maaz Akbar Khan	Faculty	July-Dec 2016	Arch. Design	4	
			Jan- May 2017	-	-	
82.	Madhav Raman	Faculty	July-Dec 2016	-	-	B. Arch.2001
			Jan- May 2017	-	-	
83.	Manish Gulati	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
84.	Manish Jain	Faculty	July-Dec 2016	Building Management	5	
			Jan- May 2017	-	-	
85.	Manjari Kapoor	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	Building Science and Services	6	

86.	Manoj Kumar Mittal	Faculty	July-Dec 2016	-	-	B.E., 1985, M.Sc., 1985, M.S., 2005
			Jan- May 2017	-	-	
87.	Meena Murthy Kakkar	Faculty	July-Dec 2016	Arch. Design, Building Constructions	13	
			Jan- May 2017	Arch. Design	9	
88.	Meenakshi Kumar	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
89.	Mohd. A Pasha	Faculty	July-Dec 2016	Building Constructions, Structures	7	B.Arch. 2002
			Jan- May 2017	Building Constructions	8	
90.	Mohit Verma	Faculty	July-Dec 2016	Arch. Design, Structures	12	B. Arch.SPA, 1999 MBA, 2013
			Jan- May 2017	Arch. Design	9	
91.	Mousumi Biswas	Faculty	July-Dec 2016	Structures	12	
			Jan- May 2017	Structures	12	
92.	Mukesh Jain	Faculty	July-Dec 2016	Structures	11	AMIE, Civil Engg., 1986 MBA, Real Estate, 2009
			Jan- May 2017	Structures	8	
93.	Mukta Naik	Faculty	July-Dec 2016	-	-	B.Arch., 1999, M.U.R.P. 2002
			Jan- May 2017	-	-	
94.	Neeraj Kapoor	Faculty	July-Dec 2016	Arch. Design, Building Science and Services	7	
			Jan- May 2017	Arch. Design	4	
95.	Nikhil Segel	Faculty	July-Dec 2016	Building Science and Services	2	
			9Jan- May 2017	-	-	
96.	Nimesh Pilla	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
97.	Nirmal Kulkarni	Faculty	July-Dec 2016	-	-	GD Arch., 1980
			Jan- May 2017	-	-	
98.	Nishant Penjiyar	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
99.	Nishesh Jain	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
100.	P. Majumder	Faculty	July-Dec 2016	-	-	B.Arch. 1996 PG Dip.(Cert.) Architectural Housing, 1972
			Jan- May 2017	-	-	
101.	P.C. Jain	Faculty	July-Dec 2016	-	-	Ph.D., 1967 ND Arch, SPA, 1974
			Jan- May 2017	Building Science and Services	2	

102.	P. C. Dhyani	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
103.	P.C. Jethi	Faculty	July-Dec 2016	-	-	N.D. Arch., 1974
			Jan- May 2017	-	-	
104.	P.R. Mehta	Faculty	July-Dec 2016	-	-	B.Arch., 1976 PG Dip in Architecture (UD), 1979
			Jan- May 2017	Professional Practice	4	
105.	Pankaj Khanna	Faculty	July-Dec 2016	Arch. Design	4	
			Jan- May 2017	Arch. Design	4	
106.	Pallav Kumar Agrawal	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
107.	Pashim Tiwari	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
108.	Pavan Kumar Gupta	Faculty	July-Dec 2016	Building Constructions, Building Management	6	B. Arch., 1982
		Profess or	Jan- May 2017	Building Constructions, Workshop	13	
109.	Papiya Banerjee	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
110.	Parul Walecha	Faculty	July-Dec 2016	Arch. Design, Workshop	11	
			Jan- May 2017	Arch. Design	8	
111.	Pavan Buragohain	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
112.	Pawan Tandon	Faculty	July-Dec 2016	Building Constructions	8	
			Jan- May 2017	Building Constructions	8	
113.	Prerna Bansal	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
114.	Prasanta Mukherjee	Faculty	July-Dec 2016	Visual Arts	15	
			Jan- May 2017	Visual Arts	9	
115.	Prateek Bhattacharya	Faculty	July-Dec 2016	Visual Arts	15	
			Jan- May 2017	-	-	
116.	Priyanka Kochhar	Faculty	July-Dec 2016	Arch. Design	4	
			Jan- May 2017	-	-	
117.	Punit Sethi	Faculty	July-Dec 2016	Building Constructions	8	
			Jan- May 2017	Building Constructions	5	
118.	Radhika Viswanathan	Faculty	July-Dec 2016	Building Constructions	7	B. Arch., 1978
			Jan- May 2017	Building Constructions	8	

119.	Rahoul B. Singh	Faculty	July-Dec 2016	Arch. Design	9	B. Arch.1997 B.F.A., 1997
			Jan- May 2017	Thesis Design, Thesis Report	9	
120.	Rahul K. Patel	Faculty	July-Dec 2016	Building Management	4	B.E., 1984
			Jan- May 2017	-	-	
121.	Rahul Sen	Faculty	July-Dec 2016	Arch. Design, Dissertation	11	B. Arch. 2000
			Jan- May 2017	Arch. Design	6	
122.	Rajeev Mahajan	Faculty	July-Dec 2016	Computers, Structures	12	B.E., 1984 M.E., 2006
			Jan- May 2017	Computers, Structures, Building Management	10	
123.	Rajiv Bhakat	Faculty	July-Dec 2016	Arch. Design, Dissertation, Building Science and Services	13	B. Arch.2000 M. Arch., 2002
			Jan- May 2017	Theory of Design, Arch. Design	5	
124.	Raman Vig	Faculty	July-Dec 2016	Building Science and Services, Seminar	5	
			Jan- May 2017	-	-	
125.	Rashmi B. Tandon	Faculty	July-Dec 2016	Elective, Dissertation	4	B. Arch.,1996 PG Dip. URP, 1998
			Jan- May 2017	-	-	
126.	Ravindra Swaroop	Faculty	July-Dec 2016	Structures, Dissertation	8	B.E., 1966 M. Tech, 1977 Ph.D., 1983
			Jan- May 2017	-	-	
127.	Reema Jain	Faculty	July-Dec 2016	Building Constructions, Workshop	6	B.Arch., 2002
			Jan- May 2017	Structures	3	
128.	Reeta Sanyal	Faculty	July-Dec 2016	Structures	10	B.E. (Civil), 1974, M.E. (Civil), 1976
			Jan- May 2017	Structures	11	
129.	Ravish Mehra	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
130.	Rekha Jindal	Faculty	July-Dec 2016	Arch. Design, Building Constructions	7	B.Arch., 1975 M.Arch., 1989
			Jan- May 2017	Building Constructions	4	
131.	Richa Pant	Faculty	July-Dec 2016	Graphics	9	
			Jan- May 2017	-	-	
132.	Roohan Segel	Faculty	July-Dec 2016	Art Appreciations, Graphics	11	BFA, 1993
			Jan- May 2017	Graphics	9	
133.	Ruchita Dasgupta	Faculty	July-Dec 2016	Structures, Workshop	8	
			Jan- May 2017	-	-	

134.	Ryan C Sequeira	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
135.	Sachin Rastogi	Faculty	July-Dec 2016	Arch. Design	9	B. Arch.2006 M.Sc., 2007
			Jan- May 2017	Arch. Design	4	
136.	Sakshi Jain	Faculty	July-Dec 2016	Computers, Theory of Settlements	10	
			Jan- May 2017	Computers	6	
137.	Samriti Paul	Faculty	July-Dec 2016	Arch. Design, Structures	12	
			Jan- May 2017	-	-	
138.	Sandal Kapoor	Faculty	July-Dec 2016	Arch. Design, Building Constructions	12	
			Jan- May 2017	Arch. Design, Computers, Structures	12	
139.	Sangeeta Wij	Faculty	July-Dec 2016	Structures	11	
			Jan- May 2017	Structures	8	
140.	Sanjay Mehra	Faculty	July-Dec 2016	Building Constructions, Elective	7	B. Arch.1986 M.Arch., 1991
			Jan- May 2017	Building Constructions	5	
141.	Santosh Auluck	Faculty	July-Dec 2016	-	-	B. Arch.1962 Diploma in Urban Development Management, UK, 1986
			Jan- May 2017	-	-	
142.	Sarover Zaidi	Faculty	July-Dec 2016	Theory of Settlements	6	
			Jan- May 2017	-		
143.	Sayantan Maitra	Faculty	July-Dec 2016	Elective, Graphics	11	
			Jan- May 2017	Graphics	9	
144.	Sheily Shrivastav	Faculty	July-Dec 2016	Building Constructions, Building Science and Services,	5	
			Jan- May 2017	-	-	
145.	Shoili Kanungo	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
146.	Shruti Maheshwari	Faculty	July-Dec 2016	Building Management	6	B. Arch.2002; PG in Con. Project Management, 2009
			Jan- May 2017	Building Management	5	
147.	Shruti Narayan	Faculty	July-Dec 2016	Dissertation	2	
			Jan- May 2017	-	-	
148.	Shweta Garg	Faculty	July-Dec 2016	Structures	4	
			Jan- May 2017	Structures	4	

149.	Shwetal Kadam	Faculty	July-Dec 2016	Elective	2	
			Jan- May 2017	-	-	
150.	Sidhartha Sen	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	Graphics	9	
151.	Sonal Singh	Faculty	July-Dec 2016	Building Constructions, Workshop	6	
			Jan- May 2017	-	-	
152.	Subhash Chander	Faculty	July-Dec 2016	-	-	B.Arch., 1958 Certificate in Tropical Arch., UK, 1960
			Jan- May 2017	-	-	
153.	Subir Paul	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
154.	Sudhir Prakash	Faculty	July-Dec 2016	Computers	2	
			Jan- May 2017	Computers	6	
155.	Sudipto Ghosh	Faculty	July-Dec 2016	-	-	Dip. in B.Arch., 1997 M.S. Arch, USA
			Jan- May 2017	-	-	
156.	Suditya Sinha	Faculty	July-Dec 2016	Building Constructions, Seminar	6	
			Jan- May 2017	Arch. Design	4	
157.	Suparna Ghosh	Faculty	July-Dec 2016	Arch. Design, Theory of Settlements	11	B.Arch., 2007 M.Arch., 2011
			Jan- May 2017	Arch. Design	9	
158.	Surendra Srivastava	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
159.	Surajit Ranjan Das	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
160.	Tanay Jaithalia	Faculty	July-Dec 2016	Building Construction, Environmental Studies, Workshop	8	
			Jan- May 2017	Arch. Design, Building Construction, Workshop	10	
161.	Taniya Sanyal	Faculty	July-Dec 2016	Arch. Design, Visual Arts	13	
			Jan- May 2017	Arch. Design	8	
162.	Tanuj Agarwal	Faculty	July-Dec 2016	Building Constructions	3	
			Jan- May 2017	-		
163.	Tapan Bhowmik	Faculty	July-Dec 2016	Graphics	6	N. Dip in Painting, 1971
			Jan- May 2017	Graphics	9	

164.	Taranjit Singh Chandpuri	Faculty	July-Dec 2016	Arch. Design	9	
			Jan- May 2017	-		
165.	Tarun Kumar	Faculty	July-Dec 2016	Arch. Design, Theory of Settlements	9	B.Arch. 1996 M.Arch, 2000
			Jan- May 2017	Arch. Design	6	
166.	Thomas Oommen	Faculty	July-Dec 2016	Dissertation	2	
			Jan- May 2017	-	-	
167.	Tina Bali	Faculty	July-Dec 2016	Arch. Design, Urban Design Research	9	
			Jan- May 2017	-	-	
168.	Urvi Khanna	Faculty	July-Dec 2016	-	-	AD Photo, 1998 BFA, 1998
			Jan- May 2017	-	-	
169.	Uzma Azhar	Faculty	July-Dec 2016	Arch. Design, Theory of Settlements	8	
			Jan- May 2017	-	-	
170.	Varun Goel	Faculty	July-Dec 2016	-	-	B.Arch., 2009, M. Plan., 2011
			Jan- May 2017	-	-	
171.	Venugopal M.	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
172.	V.K. Jain	Faculty	July-Dec 2016	Building Constructions	3	
			Jan- May 2017	-	-	
173.	Vandini Mehta	Faculty	July-Dec 2016	Arch. Design, Seminar	11	
			Jan- May 2017	-	-	
174.	Vasanth Packrisamy	Faculty	July-Dec 2016	Elective	2	
			Jan- May 2017	-	-	
175.	Vidya P. Agarwal	Faculty	July-Dec 2016	Structures	8	B.Tech, 1970 M. Engg., 1971
			Jan- May 2017	Structures	8	
176.	Vikas Gandhi	Faculty	July-Dec 2016	Arch. Design	9	B. Arch.2001 MCA
			Jan- May 2017	Arch. Design	9	
177.	Vikas Jain	Faculty	July-Dec 2016	Building Constructions	4	
			Jan- May 2017	Structures	3	
178.	Vikas Kanojia	Faculty	July-Dec 2016	Urban Design Research	3	B.Arch., 2000, M.Arch., 2004
			Jan- May 2017	-	-	
179.	Vikrant Sharma	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	
180.	V.S. Rawat	Faculty	July-Dec 2016	-	-	
			Jan- May 2017	-	-	

181.	Vivek Varma	Faculty	July-Dec 2016	Building Construction, Workshop, Seminar	13	B.Arch., 1985
			Jan- May 2017	Building Constructions	7	
182.	Rohit Jain	Faculty	July-Dec 2016	Building Management	3	
			Jan- May 2017	Professional Practice	2	
183.	Nidhi Madan	Faculty	July-Dec 2016	Arch. Design	4	
			Jan- May 2017	-	-	
184.	Priyadarshini Kacker	Faculty	July-Dec 2016	Arch. Design	5	
			Jan- May 2017	-	-	
185.	Akshay Kumar Gupta	Faculty	July-Dec 2016	Arch. Design	5	
			Jan- May 2017	-	-	

(b) Details of special lectures undertaken in the department

S. No.	Date	Name of the Experts	Topic of Special Lecture
1.	17.08.2016	Amir Raza Husain	Theatre Architecture
2.			
3.	05.09.2016	Ravi Shankar	Structure System of Airport
4.	14.09.2016	Sujoy Dey	Airport Terminal Capacity
5.	19.10.2016	Anurag Chawla	Understanding Urban Design Principles through Township and Campus Planning
6.	25.10.2016	Sameer Divekar	Air Conditioning
7.	09.01.2017	Deependra Prashad	Indira Paryavaran Building
8.	12.01.2017	Nishit Gupta	Work Environments
9.	13.01.2017	Deependra Prashad	Energy Efficient Architecture
10.	16.01.2017	Subharthi Guha	Intervening in Context
11.	16.01.2017	Sanjit Roy	Structural Systems for High Rise Buildings in America
12.	27.01.2017	Anupam Bansal	Architecture and Structure
13.	01.02.2017	Sameer Divekar	Sustainable Design Strategies
14.	01.02.2017	Sachin Anand	Sustainable Design Strategies
15.	15.02.2017	Arundhati Singh Khanna	Integrating Structures and Services
16.	20.02.2017	Gaurav Mukhija	IGBC Strategies in Office High Rise and Mixed
17.	22.02.2017	Dr. P.C. Jain	Resolving Services in Architecture
18.	22.02.2017	Abhay Ghate	Resolving Services in Architecture
19.	22.02.2017	Vivek Mahajan	MEP Services Fire Safety
20.	27.02.2017	Kanagraj	Energy Simulation
21.	01.03.2017	Gaurav Shorey	Bio-Climatic Multi-storey
22.	01.03.2017	Ashok B. Lall	Energy Efficient Design Case IRAD Building Gurgaon
23.	18.03.2017	Urvi Khanna	Graphics and Architectural Communication in Book Design
24.	24.03.2017	Neerja Tikku	A Case of Delhi Slums
25.	29.03.2017	Nirajbhan Mahajan	Rural Housing Problems and Policies
26.	01.04.2017	Gauri S. Gandhi	Landscape Design
27.	07.04.2017	Niraj Mahajan	Urban Planning (TP-6)-Urban Space, Policies and Problems
28.	18.04.2017	Amit Sarma	Use of Depth Map as a Tool for Space Analysis
29.	09.03.2017	Ashok Grover	Space and Design

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

None

9. 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
August to December 2016			
Architectural Design I (Studio Director, Section A- Ms. Arpita Dayal)	<p>Development of basic design skills of observation, dexterity, representation, drawing and model making.</p> <p>Development of design communication through architectural language drawings, graphics, models etc</p> <p>Development of design thinking through knowledge, self - awareness, process of observe-focus-analysis, critical abstract and lateral thinking</p>		<p>Generation of simple and complex compositions using primary elements to develop an explorative understanding with an Improved visual perception</p> <p>Development of basic representation skills and material dexterity using architectural vocabulary</p> <p>Understanding the third dimension as space and its constituents</p> <p>Wholistic comprehension of basic design with a focus on design process</p> <p>Theory and studio based subjects taught through an integrated approach for effective learning</p> <p>Peer learning and assessment with the design studio an important center for learning</p>
Architectural Design I (Studio Director, Section-C –Mr. Shuvojit Sarkar)	<p>Understanding the Principles of Design and Elements of Composition.</p> <p>Develop skills of sketching, orthographic representations, drafting and model making.</p> <p>Understand design as a process.</p> <p>Develop and communicate effectively concepts and ideas through sketches, drawings and models.</p>	<p>Sharing and discussing with the students various exercises similar in nature done in other schools.</p> <p>Exposing them to quality works of high standards of seniors and other students and encourage them to strive and emulate it.</p>	<p>Understanding and learning by observing, doing and analyzing.</p> <p>Understand, appreciate and think on the various approaches in the creative processes/design.</p> <p>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>Architectural Design III (Studio Director, Section-A- Ms. Parul Kiri Roy</p>	<p>Semester III- Identity, Home and Community 1) Intangible to Tangible Understand the concept of 'home' in contemporary and traditional thought systems and learn ways to design with them. 2) Identity- Community and Place (Village Study) Engaging with Site Understand/ Articulate/ Represent/ Analyze The studio set out to investigate two intertwined narratives- a) What is the 'smart' village model being discussed and what can be 'smart' for the rural context in a country like ours and b) How is the city spreading into the hinterland and with what effect? What is the nature of transformation of the built environment in the villages at the fringes of the NCR? 3) Designing for the community Multi functional project with the three elements of- Play Learn Work <i>Dauhla Saarvajanik Kshetra</i> Defining the nature of project Select a site in the settlement Outlining the future aspirations of the people of the village. Identify opportunities for design for the particular site and creating a design brief. Program and area requirements. In a real user-architect situation, develop a concept for the site to reflect their tangible and intangible requirements. Develop this concept into a multifunctional project, incorporating all practical requirements.</p>		<p>An understanding and analysis of- Physicality, Activity Pattern, Building Use, Built form, Morphology, Typologies, Built Expression (identity), Historical Analysis (Evolution of form in space and time through physical documentation as well as Oral Histories, Demographics in relation to spatial changes, Site within its larger context and Detailed study of a single building or an element as an identified building type. Understanding of methods of construction in vernacular architecture, emerging out of the traditional way of life of the people. To understand, analyze and document- Material and construction technique, Joinery details, Structural Systems, Innovate an alternate technology based in the vernacular as per local climate/ technique. Designing the built environment for a village context. 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>
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<p>Architectural Design III (Studio Director, Section-B: Mr. Saptarshi Sanyal)</p>	<p>The semester carried out exploration of ways in which design issues can be tackled through social and technical knowledge in creation of built environments, with focus on design of residential space in both metropolitan and strong vernacular contexts. Including time-problems addressing focussed aspects like: staircase, kitchen and toilet – two major design problems included sites at Shahpur Jat, Delhi and Brahmपुरi, Jodhpur.</p>		<p>First Major Project: To translate a client profile and ‘vague’ requirements into a working architectural program and vision that translates into a design To carry out an assessment of ‘site’ through analysis and program To understand area requirements in 3 dimensions To work through a cyclic process of design development with more detail in every cycle Second Major Project: Interpretation of a Dharmashala program as a transient residential facility The skill to apply the understanding of a vernacular settlement and its architecture and spaces for a contemporary design problem To design a collective living space of residential nature, as opposed to a single dwelling To deliver an architectural design solution befitting climatic and other geographical parameters like terrain, without lack of compromise to contemporary needs Introduction to the basics of landscaping within a site To develop an ability to work as a team in the design process</p>
<p>Architectural Design III (Studio Director, Section-C: Ms. Mekhla Parihar) July-Nov 2016</p>	<p>The focus of the studio is to study, observe and understand the contrast and similarities between an urban and a rural context. The studio introduces students to the importance of space design around its occupants through a house design reflecting the social, cultural and economic values of a society. Understanding relationship of vernacular and formal architecture in designing any human habitat. Integration with Graphics to explore different media for presentation, creating experiential videos; and with Construction studio to</p>	<p>Introducing different Indian architects working on the philosophy of vernacular architecture. Analyzing the Indian works of these architects for understanding design process, generation of form, importance of context, materiality, movement patterns, etc. Jyudasu Village near Chamba, Uttarakhand was the main study area for the settlement study. The intent is to introduce the connection between architecture and culture.</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 manmade disasters of the present. Helping students develop a deeper sensitivity towards culture, regions, sense of place, to sensitize students about impact of calamities. Ability to analyse, design, document and communicate spatial transformations through architectural drawings, sketches, 3D physical models and 3D models using various</p>

	<p>explore and understand traditional technologies. The projects included during the semester (a) Urban House Design (b) Documentation of Settlement Studied at Jyudasu Village near Chamba (c) Architectural Intervention based on students analysis of the settlement and the surrounding areas.</p>		<p>software. Difference between Tradition, Vernacular and contemporary architecture. Creating a new architectural vocabulary through amalgamation of vernacular and contemporary building techniques. Ability to work in teams. The vernacular study studio was based on the transition and transformations in the village from the dimension of disaster vulnerability, constituting four parameters, i.e. Awareness, Mitigation, Preparedness and Response.</p>
<p>Architectural Design V (Studio Director, Section-A: Dr. Rajaprakash P.)</p>	<p>The objective of 5 and 6th semester is to explore and understand the application of “Passive strategies “in the 5th and “Passive and Active ‘i.e. ‘Mixed Strategies in the 6th Semester in a high rise structures. To understand the (macro and micro) climatic factors in general and its effect on Energy consumption, lighting and ventilation of the selected building type and on its site. To recognize the effective passive energy design techniques and active ones applied, in the built; form; its elements; orientation and the spaces within, and around, in accordance to climatic factors. To understand the basic service components on case study building (preferably, a medium-rise building 5 stories to 9 stories high) To explore the spatial organization and, sequence, Service and circulation system in A building. To understand appropriated structural systems to be adopted in the building complex. To acknowledge that, “following the building regulations bye-laws” is a necessary requisite in any</p>	<p>Case studies for the 5th semester were chosen from Goa. Further Site for the live project “National center for Water Sports (NCWS)” by Morphogenesis. And carried out.</p>	<ul style="list-style-type: none"> • The students in the fifth semester learnt about passive strategies. Through case study method and Reductionist method of formulating the basic parameters for the same. Further the first exercise on an Abstractive design Problem with non-contextual design focused them on the Passive and Active Strategies. Since both the second major designs being a live project they were able to develop context in the specific Climatic zones in Goa in 5th semester.. • Further 3 days Joint Studio with the GCA Goa College of Architecture. Study on urban fabrics and contexts of Panjim street scapes gave an ample opportunities to interact with the goa students and college faculties with their final Design Intervention proposal of both students. Prepared a giant poster on “Goa 1 learnings” displayed for COA visit in the studio. • Learnt and Applied Site Planning Process as the first phase of Design Process in their live site of NCWS. • Sensitized on ECBC; IGBC IBC regulations and building Bye-laws necessary for high-rise structures. Both the method

	Project or building design process.		and Design Process were productive and Progressive.
Architectural Design V (Studio Director, Section-B: Dr. Ranjana Mital)	As per syllabus, the studio project was a multifunctional public use building in an urban context and focused on passive solar design techniques	Module 1: study and retrofit of various ITI complexes in Delhi. Module 2. Study of World Class Skill Centre at Vivek Vihar based on their ITI studies. Total covered area: approximately 4,000 sq m	The objective of Module 1 was to understand the functioning of ITI s, review the available techniques of passive solar design as well as use previous learning of anthropometrics, etc. to explore strategies to make them more energy efficient as well as improve the quality of built/un -built space available This study equipped the students to better deal with the main project, the WCSC. Computer drafting skills as well as model making skills improved considerably through the semester.
Architectural Design VII (Studio Director, Section-A: Prof. Manoj Mathur; Section-B: Dr. Anil Dewan	“Hospital Design Studio” conducted as one of the choices given to students for the semester. Students were expected to design a 100 Bed Hospital, site for which is located in Dwarka, New Delhi.	Various Hospitals in and around Delhi were visited by the students.	The objective of the studio was to understand the various departments of hospital, inter and intra-relationship between them. Also, this study helps the students to understand the process of resolving various design and building service related issues.
Architectural Design IX (Studio Director, Section-B: Dr. Jaya Kumar, Section-A: Dr. Aruna Ramani Grover)	To understand this unique city location and develop a built-form open space structure based on the given program which is a model of humane and sustainable development. • To establish necessary suitable physical and temporal linkages to the surrounding environs to make the project area a catalyst of future growth; • To understand the requirements of the rental housing typology for government employees taking cognizance of their working conditions, lifestyles and aspirations. • To understand the principles of high-density mixed use development, within the framework of the Delhi		This was a choice based studio where the students designed a Transit Oriented Development Mixed Use project at Dwarka Sector 10, or a Residential Redevelopment project at Sadiq Nagar. Through their designs the students demonstrated an understanding of urban level issues in terms of traffic, pedestrian movement patterns, linkages, relationship to context, green design strategies, and social and infrastructural needs for an urban level intervention.

	<p>Masterplan and consequent development controls and building bye-laws, and the National Building Code.</p> <ul style="list-style-type: none"> • To examine the question of sustainability with respect to optimizing the need for energy and water, ensuring suitable living/working conditions in terms of natural light, ventilation and seasonal climatic variations to generate an ecologically sound solutions • To learn the work ethics and disciple of group-work and deliver well explored and argued solutions which reflect the collective in a wholesome manner. 		
<p>Architectural Design V Year, I Term (Studio Team - Prof M.L. Bahri)</p>	<p>The proposed areas of development fell in the TOD of Dwarka Sub-city. Two pockets of land each were to be suitably developed and connected across the metro line to meet the TOD oriented developments future needs of the city. The strategic locations of these land parcels and its connectivity to the existing provided and interesting settings.</p>	<p>The project and envisaged was a mixed use development with Convention Centre , hospital and exhibition facilities, and secondly International Work Centre with an office complex and hub, service apartments and housing, mall cum entertainment centre and mandatory green areas; Observation visits : a series of site visits to observe, record and present information Discussions: in class debates and discussions</p>	<p>The semester objectives were To understand the nature of this unique location and its potential with respect to the existing and future city ; and to establish necessary suitable physical and temporal linkages to the surrounding environs and to each other to make the project area a catalyst of future growth. It was to envision a suitable program and development strategy within the given broad framework for each project which would be an iconic catalyst for the future city and develop a built-form open space structure based on the given program which is a model of humane and sustainable development created to human scale.</p>

<p>Building Construction III Year, Vth Semester (Studio Team - Prof M.L. Bahri)</p>	<p>Water Proofing, De-Watering, Under pinning and Strutting, Large Span Structure, Stone/Tile Cladding, Curtain/Structural Glazing</p>	<p>Readings : a set of readings given in regular progression to develop an understanding of the subject and the skill of extracting information to write summaries Lectures: a series of structured lectures co-ordinated with studio i.e. water proofing with report and presentation, De-Watering, Under Pinning and Strutting with report, Large Span Structure with report and presentation and models, Stone / Tile Cladding with report and presentation, Curtain / Structural Glazing with report and presentation. Observation visits : a series of site visits to observe, record and present information Discussions: in class debates and discussions</p>	<p>To understand the basis materials used in construction and learn how to put them to proper use. Also to systematically learn to co-ordinate and mix the various materials into a homogeneous building. To put this system of construction into a set of working drawings to be translated into construction at site.</p>
<p>January to May 2017</p>			
<p>Architectural Design II (Studio Director, Section-A- Ms. Arpita Dayal)</p>	<p>Expansion of spatial understanding from a singular to a plural scale. Understand architecture as a combination of components put together. Develop skills of observation, measurement, representation and drawing of built spaces. Understand architecture at an elementary level and understand its relationship to the whole</p>	<p>The students studied and measured more than 50 temples at the Bateshwar Temple complex, Morena which is about 22 km from Gwalior and made detailed drawings and sketches of the Gupta period human scale temples. A detailed documentation was done for the group of temples and stepwells along with an analysis of construction systems and historical symbolism.</p>	<p>Exposure and observation of architecture deconstructed into intelligible parts Reconstructing a space using these parts to create a space that has a formative meaning Reading and representation by understanding spaces as outcome of anthropometric dimensions Skills of recording, representation and rendering. Develop Design thinking and skills and understand design process.</p>

<p>Architectural Design II (Studio Director, Section-C – Mr. Shuvojit Sarkar)</p>	<p>Understanding perspective and sciography 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 more than 10 Havelis in the town of Mandawa, Sikar which is about traditional havelis and made detailed drawings and sketches of the Havelis.</p> <p>A detailed documentation was done for the group of Havelis. An analysis of construction systems and history of the havelis was also done.</p>	<p>Understanding spaces as outcome of anthropometric dimensions and analyzing 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 understand ing design process</p>
<p>Architectural Design IV (Studio Director Section-A: Ms. Parul Kiri Roy)</p>	<p>1) Explorations in human habitat (Going off the Grid): Attempting to design a living space, which was comfortable, efficient and self sustainable. The point of the project was to explore the idea of space for living without the urban, civic infrastructure that cities provide and are largely invisible and therefore, do not fall into our consciousness when we design or envision inhabitation. 2) Culture and Contextuality- The case of Pondicherry: The project is about changing the history of the city by changing the nature of the canal area, to be contextual to contemporary times. It is meant to be a catalyst that will connect the two sides of the city of Pondicherry. The project- Bridging 'Smart' is meant to be a place that will belong to all the people in Pondicherry- the local residents (French, Tamil and others), the French property holders, the tourists and the <i>ashramites</i>. The place is to</p>	<p>Students did case studies of spaces for living and with a similar brief individually.</p> <p>The study of Pondicherry was about acquiring a 'sense of place'. This was accomplished by studying streets, which were typical of the city, based on architectural character and the culture of inhabitants of the area. The city is based on a grid plan, from which the streets to be studied were identified. Alongside, students also attempted to identify various building types and typologies on the respective streets.</p> <p>Documentation at site and analysis was done in four different scales enabling students to begin to see the city as a whole and as a set of parts, to seeing the building as a whole and a set of parts, to looking at building details and construction.</p>	<p>Understanding usage of space (design to maximize usage by having multifunctional spaces and hence minimize physical space- 'smart' space?), Understanding of the energy systems in a building (design to use minimum energy- that to from natural resources and create zero waste situation by design); and To be innovative by minimizing dependency on external energy usage through 'smart' design by going off the grid.</p> <p>Responding to context as key to formulate an appropriate approach and articulate design strategies. Context was understood at various levels. There is the physical context of the site with the market, the roads, canal and green areas. Then there is time as context. How to design a contemporary language of the built environment? Should the building be like Tamil or Franco Pondy? If we want continuity, how can we do it? Replicate?</p>

	<p>enable greater interaction between various stakeholders through more approachable spaces for intellectual and leisure activity and venues for cultural assimilation. The idea was to create a place that is equitable in characteristics between the Tamil and the French Town. Integrating local food, local crafts, knowledge, health and spiritual awareness into the program became crucial. What can be the vision of such a project in a smart city, a project that must catalyze change?</p>		<p>Capture the essence and apply? What kind of built expression? What kind of materials/ structure? Finally, entire city of Pondicherry that is context. The environmental context- climate (sun breeze temperature) foliage etc., how does the project respond to it? And then context of the context- the fact that Pondicherry is on the smart city list.</p>
<p>Architectural Design IV (Studio Director, Section-B: Mr. Saptarshi Sanyal)</p>	<p>The semester carried out exploration of ways in which larger urban spaces can be 'read' and 'intervened in' through architectural design – at both formal and utilitarian levels. It deployed this learning through exercises with diverse goals and settings, such as the urban folly in various sites in Delhi; and the design of an alternative primary school in the erstwhile white town area of Ooty.</p>	<p>Delhi urban Spaces: Baba Kharak Singh Marg; Dilli Haat (INA); IHC.</p> <p>Ooty buildings and their settings: St. Andrews Cathedral; Trinity Church; Collectorate; Commercial Complex on Hill Cart Road.</p>	<p>FIRST MAJOR PROBLEM: To learn how to observe and read open spaces in terms of components and landscaping, and its related technical infrastructure To appreciate landscape design as an approach to creation of architecture rather than residual space To understand volumes and sections in public open space with a cluster of buildings To appreciate usage patterns by people in obedience or defiance of landscape design SECOND MAJOR PROBLEM: Using kinaesthetic methods to understand a site, its setting and form. To develop an in depth vision for an educational space and design for a distinct user group To appreciate how architecture is informed by primary school education in a holistic sense – intellectual, creative and physical; use of a proscriptive design approach To understand site planning and landscaping as integral to the process of architectural production To respond to a physical setting through architectural design</p>

<p>Architectural Design IV (Studio Director, Section-C: Ms. Mekhla Parihar) Jan-April 2017</p>	<p>The studio explores responses to the different parameters - history, mythology, socio-cultural constructs, topography, hydrology, events or phenomenon through design of any space. Understanding “museum” typology by exploring diverse spatial response to a particular theme through various principles of design. To understand the relation between Regionalism, Globalization and Self-Identity. To experience a ‘sense of place’ and find architectural methods to express it. The projects included during the semester (a) Museum in Delhi (b) Café in Jyudasu Village near Chamba</p>	<p>Introduction to global architectural practitioners and analysis of their works to evolve “self”. Introduction to some of the best museums internationally 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. Exposure to site planning, clustering, massing, landscaping and complexities related to finding the balance in design. Introduction to new materials, construction systems, structural systems and communication of these through complex geometries. 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 VI (Studio Director, Section-A: Dr. Rajaprakash P.)</p>	<p>The objective of 6th semester is to explore and understand the application of “Active energy building systems such as HVAC, Parking basement and surface ‘Mixed Strategies in the 6th Semester in a high rise structures. To understand the (macro and micro) climatic factors in general and its effect on Energy consumption, lighting and ventilation of the selected building type and on its site. To recognize the effective passive energy design techniques and active ones applied, in the built; form; its elements; orientation and the spaces within, and around, in accordance to climatic factors. To understand the basic service components on case study building (preferably, a medium-rise building 5 stories to</p>	<p>6th Semester the case studies were studied in Bombay precincts. Site Chosen was a live project on Extension Building in WTO World Trade Center Complex. Site Inventory and Analysis carried on conglomerating the program, being a high rise structure with mixed ‘i.e.’ active and passive design strategies.</p>	<p>Further interactive Studio with the GCA Goa College of Architecture and Sir JJ College of Architecture in Bombay gave an ample thrust on their attempts for an efficient Design outcome. Construction studios were integrated with Design studio that has improved the knowledge of construction details of service Core; toilets and Building materials. Further interactive Studio with Sir JJ College of Architecture in Bombay gave an ample thrust on their attitude towards design culture. Learnt and Applied Site Planning Process as the first phase of Design Process. With the systemic framework brought in the class Sensitized on ECBC; IGBC IBC regulations and</p>

	<p>9stories high) To explore the spatial organization and, sequence, Service and circulation system in A building and the site. To understand appropriated structural systems to be adopted in the building complex. To learn landscape elements for site planning focusing on passive strategies as well to alleviate the energy consumption of active systems. To acknowledge that, “following the building regulations bye-laws” is a necessary requisite in any Project or building design process.</p>		<p>building Bye-laws necessary for high-rise structures. Further attempt was made to follow few green buildings strategies like water harvesting; Green Walls, Landscape elements as thermal mass or evaporative coolers. Both the method and Design Process were productive and Progressive and executed successfully.</p>
<p>Architectural Design VI (Studio Director, Section-B: Dr. Ranjana Mital)</p>	<p>As per the syllabus, the design project was a high-rise building with particular emphasis on active energy systems, structural , services and construction systems.</p>	<p>Module1: Integrating with theory of Structures studio, students studied highrises for their structural systems as well as circulation core layouts of examples around the work as well as primary case-studies of high rises recently completed or under construction. Module 2: Design of a multi functional highrise on TOD principles at Nehru Place, New Delhi Total covered area: approximately 50,000 sq m The chief design directives were active energy efficiency strategies, coordinating services/ structure and design and addressing the Indian urban context</p>	<p>Integrating structures studio with the design studio as well as emphasizing the importance of accommodating services at the initial design stages and created an understanding of structural and service systems that reflected in better resolved design proposals. TOD principles as relevant design directives as well the need for inclusive design was well appreciated by most students and addressed in their designs. Indian urban life-styles as well as space usage were addressed making the best proposals particularly suited to the given socio-physical and economic contexts of the site. Insistence on particular details and information and asking for them in stages allowed for a high standard of final presentations that was appreciated by the external jury.</p>

<p>Architectural Design VI (Studio Director, Section-C: Dr. Anil Dewan)</p>	<p>As per the syllabus, the design project was a high-rise building with particular emphasis on active energy systems, structural, services and construction systems.</p>	<p>In this semester, students studied high-rises for their structural systems as well as circulation core layouts of examples around the world as well as primary case-studies of high rises recently completed or under construction. Module 2: Design of a multi functional highrise on Yamuna Expressway, Noida. Design directives were active energy efficiency strategies, coordinating services/ structure and design and addressing the Indian urban context.</p>	<p>Focus was to integrate structures studio with the design studio as well as emphasizing the importance of accommodating services at the initial design stages and created an understanding of structural and service systems that reflected in better resolved design proposals.</p>
<p>Architectural Design X (Studio Director, Section-A: Dr. Aruna Ramani Grover, Studio Director, Section-B: Dr. Jaya Kumar)</p>	<p>Thesis Semester: The thesis is a culmination of the student's learnings over the entire course. Students select a project of their choice depending on their interests and strengths and demonstrate their ability through research and design of the chosen project. Thesis has three components, Thesis Technology, Thesis Research and Design; Thesis Research focuses on the theoretical frame and the consequent research inputs which make each project a Thesis. Thesis Technology focuses on the all technological inputs related to structure, services and sustainability parameters of the project and the manner in which they inform Architectural Design of the Thesis Project</p>	<p>Case Studies and Areas of research are selected by each student based on his/her thesis topic depending on emphasis of each thesis demonstrated thru the project.</p>	
<p>Architectural Design II Semester (Studio Team- Prof M.L. Bahri)</p>	<p>Architectural thesis was the culmination of the development of the student's knowledge, attitudes and skills over the course of studies in</p>	<p>Done individually by each student, the Design investigation went as follows. Task A: Search/Research into core issue/s involved</p>	<p>Parallel to Design Investigation Design Translation took place in the studio and outside in consultation with the faculty. The students were expected</p>

	architecture. It is an 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.	with the subject/topic, Reading of the Core Issue/s, Enunciation of the principles of Design. Task B: Area program generation and establishing the architectural program. Task C: Setting up the framework of analysis of the case studies.	to follow a rigorous method of working, demonstrating at every stage how inputs from Design Investigation are finding their way into the Translation at every state.
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10. Details of the thesis topics being researched by the students of the final year class.

S. No.	Roll No.	Name of Students	Thesis Topic
1.	A/2503/2012	Akshay Aman	Tourist Facilitation Centre, Nalanda, Bihar
2.	A/2455/2012	Dhruv Dhingra	National Centre for Performing Arts, Sector-11, Dwarka, New Delhi
3.	A/2438/2012	G Lakshmi Chaitanya Reddy	Urban Forum: Transit-Oriented Development, Khanamet, Hyderabad
4.	A/2453/2012	Mitali Gupta	Net-Zero Hotel and Convention Centre at Agra, Uttar Pradesh
5.	A/2539/2012	Preeyambika Bagha	Mauritian Cultural Hub, Mahebourg, Mauritius
6.	A/2444/2012	Radhika Ravindran	Swaram: Musical Instruments' Experience Centre, Auroville, Tamil Nadu
7.	A/2443/2012	Samridh	Sah-Astitva: An Urban Forum for Inter-Faith Dialogue, Sector 13, Dwarka, New Delhi
8.	A/2467/2012	Shivangi Rajput	Youth Recreation Centre, Jabalpur, Madhya Pradesh
9.	A/2262/2010	Shivendra	Indian National War Museum. Princess Park, New Delhi
10.	A/2372/2012	Sushil Kumar	Silk institute and Silk Weaver's Haat, Bhagalpur, Bihar
11.	A/2302/2010	Tashi N Tenzing	Six Senses Resort, Thimpu, Bhutan
12.	A/2211/2010	Gautam Vohra	Center for Alternative Technology and Climatic Research, Vasant Kunj, New Delhi
13.	A/2374/2011	Madagala Raja Ravi Teja	School for J Krishnamurthy Organization, Madhurawada, Vishakhapatnam
14.	A/2447/2012	Shriyak Singh	Redesign of High Court Complex, Lucknow
15.	A/2177/2009	Pandurang B Sagbhor	Navodaya Vidhayala, Nandurbar, Maharashtra
16.	A/2398/2011	Pawan Singh	500 bed Super Specialty Hospital, Kanpur, Uttar Pradesh
17.	A/2519/2012	Puneet	Energy Efficient Group Housing, Yamuna Expressway, Greater Noida, Up
18.	A/2434/2012	Rijul Singh	Model School for the Visually Impaired, Dehradun, Uttarakhand
19.	A/2472/2012	Shagun Lakhotiya	Central Business District Train Station, Naya Raipur
20.	A/2505/2012	Shiva Sah	Government College of Physical Education, Burla, Odisha
21.	A/2538/2012	Suprima Joshi	Sports Commercial Center, Bhaktapur, Nepal
22.	A/2480/2012	Tanya Makker	Re-design of Delhi Public School, R K Puram, New Delhi

23.	A/2342/2011	Tushar	Junge-Azadi Memorial, Jalandhar
24.	A/2360/2011	Alankrit Gupta	National Institute of Design, Kurukshetra, Haryana
25.	A/2473/2012	D Shivaram Reddy	Agricultural Resource Centre, Nagar, Kurnool, Telangana
26.	A/2345/2011	Girish Kumar	Redevelopment of National School of Drama, Mandi House, New Delhi
27.	A/2460/2012	Himanshu Singh Yadav	City Campus: BIT Mesra, Ranchi
28.	A/2246/2010	Kamran Ahmed	Noida Film School, Noida, Uttar Pradesh
29.	A/2401/2011	Kumund Kohul	National Institute of Fashion Technology, Panchkula, Haryana
30.	A/2477/2012	Meher Nishchal	Resilient Urbanism: In-situ Slum Rehabilitation in
31.	A/2445/2012	Neena Annu Joseph	Kalamandalam - A School of Dance and Music, Cochin, Kerala
32.	A/2452/2012	Rahul Arora	Navi Mumbai Sports Village, Nerul, Navi Mumbai: An Urb
33.	A/2148/2009	Sargam Sindhu	District Jail, Etawah, Uttar Pradesh
34.	A/2380/2011	Shambhavi Singh	Mandvi Tourism Hub, Mandavi, Gujrat: Culture as a tool for Empowerment
35.	A/2493/2012	Thoufeer Muhammed N	Commercial Hub at Kaloor, Kochi, Kerala
36.	A/2417/2011	Arif Ali	Navodaya School, Shamili, Uttar Pradesh
37.	A/2437/2012	Ayush Kamalia	Research Park and Entrepreneurship Center, Dwarka, Delhi
38.	A/2537/2012	Geetika Khatri	Women's Craft Centre, Kathmandu, Nepal
39.	A/2439/2012	Krittika Mittal	Innovation Centre, Mandi House, New Delhi
40.	A/2517/2012	Manisha	National Museum of Natural History, Near Old Fort, New Delhi
41.	A/2526/2012	Mipham Namgyal	School of Hospitality and Tourism Management, Laddak
42.	A/2483/2012	Nadiminti Satish	International Convention Centre, Visakhapatnam, Andhra Pradesh
43.	A/2544/2012	Rishika Dhawan	Interpretation Centre and Resort, Badkal Lake, Faridabad
44.	A/2228/2010	Saajan Varanasi	Dr. APJ Abdul Kalam Knowledge Centre, Erumbakum, Advanced Autism Research and Care Centre, SAS Nagar, Mohal, Punjab
45.	A/2462/2012	Sarth Khare	Nature Cure Wellness Center, Nerul, Navi Mumbai
46.	A/2518/2012	Shikha Kaul	Kolkata Museum Of Modern Art
47.	A/2387/2011	Abhijeet Kumar	Exit Music
48.	A/2435/2012	Kabir Sahni	Design and Technology Incubator
49.	A/2363/2011	Vikram Bengani	Correctional Center
50.	A/2363/2011	Niharika Shekhawat	Rehabilitating Through Reformation
51.	A/2495/2012	B.Srujana	Beachfront Residential School
52.	A/2476/2012	Ambika	City Centre Redevelopment
53.	A/2378/2011	Vidit Jaiswal	Indraprastha Sanskritik Kala Kendra Dwarka, Delhi
54.	A/2489/2012	Suthari Swamynath	Arts and Crafts Center
55.	A/2481/2012	Akansha Mittal	Children's Home And School Shalimar Bagh, New Delhi
56.	A/2459/2012	Deepansh Tyagi	Automobile Museum
57.	A/2293/2010	Pidemo M.Odyuo	Redevelopment Of Super Market Complex
58.	A/2425/2011	Tenzin Phuntsho	Royal Textile Academy, Thimpu
59.	A/2334/2011	Lakshya Satija	Indian Institute Of Crafts Design, Jaipur
60.	A/2468/2012	Shweta Sundar	Eco Centre
61.	A/2451/2012	Arghya Mandal	Nai Suva Centre

62.	A/2496/2012	Deepak Kumar	Rajasthan International Center
63.	A/2461/2012	Megha Chaudhry	Museum And Interpretation Center At Rakhigarhi
64.	A/2488/2012	Penugonda Varshini	Arogyadham- Health And Wellness Centre, Visakhapatnam
65.	A/2441/2012	Divya Chand	BAMNOOVILLE: Cultural Center And Tourist Retreat In Aizwal, Mizoram
66.	A/2545/2012	Prithvi Aravind	Sohar Rehabilitation Centre
67.	A/2514/2012	Arnab Majumder	Redevelopment Of New Delhi Railway Station
68.	A/2540/2012	Noharduth Gopee	Heritage- Centre Le-Morne Moritius
69.	A/2463/2012	Divleena Singh	Velo-Park, Sector-78, Mohali, Punjab
70.	A/2542/2012	Charu Kumari	Knowledge And Learning Hub
71.	A/2399/2011	Chirag Sankhla	Indian Institute of Management, Rohtak
72.	A/2418/2011	Himanshi Chirangoo	Physical Rehabilitation Centre, Delhi
73.	A/2501/2012	Divya Kumar Solanki	Performing Arts Tower
74.	A/2256/2010	P.Teja Siva Srinivas	International Cruise Terminal- Mumbai
75.	A/2478/2012	Himanshu Garg	National Institute Of Design, Kurukshetra
76.	A/2314/2011	Kosana Anil Kumar	India International For Democracy And Election Management
77.	A/2136/2009	Sneh Prakash	Maa Chhinmastike Temple Complex Redevelopment- An Exploration, Into Contemporary Pilgrimage Design"
78.	A/2770/2012	Bhavya Hurria	Dr. Ambedkar International Centre, New Delhi
79.	A/2528/2012	Atul Ravi Khalkho	Humanitarian-Central Prison Baprola-Delhi
80.	A/2449/2012	Vaishali Verma	Cultural Centre, Rohini
81.	A/2484/2012	Maddu Shravan Murali	Kolkata Museum Of Modern Arts
82.	A/2533/2012	Moirangthem Jupiter	Trade And Exhibition Centre
83.	A/2458/2012	Shubhra Kansal	Craft Integrated Building Material Industry
84.	A/2491/2012	Fahim Abdul Rahman	International Schools In India
85.	A/2392/2011	Prabhash Dhama	School Of Planning And Architecture, Vasant Kunj Campus, New Delhi
86.	A/2454/2012	Karan Singh	300 Bed+ Hospital
87.	A/2502/2012	Abhay Pratap Singh	Buddha International Airport Terminal At Kushinagar U.P.
88.	A/2368/2011	Aditya Awari Patil	Centre For Research On Alternative Farming Techniques, Nagpur
89.	A/2475/2012	Girisha Sethi	Integrated Multi Modal Transport Hub at Dwarka
90.	A/2456/2012	Milind Goel	Budokan- Martial Arts Facility
91.	A/2338/2010	Protyasha Pandey	The Adolescence of Geriatric Care
92.	A/2440/2012	Ramya Khare	Completing the Capitol- Museum of Knowledge at Chandigarh
93.	A/2361/2011	Bukka Vamshi Krishna	Cultural Centre at Warangal

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

Year of Enrolment	Name of the Student	Thesis Topic	Name of the Research Supervisor
2014-15	Ms. Manjari Khanna	Security and Resilience in Public Buildings	Prof. Dr. Mandeep Singh

2012-13	Ms. Neena Singh Zutshi	A Critical Analysis of Indian Architecture Theory	Prof. Dr. Ranjana Mital
2013-14	Shri Abhijit De	Architecture of the House : The Home in the 21st Century Indian City and its Aesthetic Origins	Prof. Dr. Ranjana Mital
2013-14	Ms. Aarti Grover	Gender Perception and Preferences of Urban Public Spaces	Prof. Dr. Ranjana Mital
2016-17	Mr. Atul Kumar Singla	Optimal Resource Planning for University Design	Prof. Manoj Mathur
2016-17	Ms. Shruchi Modi	Evaluating the social sustainability of residential high rises from the perspective of raising children	Prof. Dr. Mandeep Singh
2016-17	Ms. Pallavi Sharma	Architecture Beyond Mimetics	Prof. Manoj Mathur
2016-17	Mr. Khushal Matai	Environmental Impact of Solar Photovoltaic Installation/Integration on Urban Heat Island Effect and Strategies for Mitigation	Dr. Shweta Manchanda

12. Research thrust areas of the department

Department of Architecture has the following thrust areas of the faculty:

- Architectural History and Theory
- Seismic considerations for Buildings
- Hospital Architecture
- Sustainable Design and Urbanism
- Energy Efficient Architecture
- Design of Learning Environments
- Architectural Education
- Vernacular Studies

13. Completed Research projects in the department.

14. Details of consultancy projects undertaken by department (during this year)

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.	ONGC at Dehradun including north side colony, south side colony, KDMIPE campus, helipad etc. Totaling about 100 acres	Prof. Bahri M.L.	Building Design	-
2.	ONGC at Vadodara, 204 acres including residential complex, office buildings, like shell gas center, golf course and sports complex. etc.	Prof. Bahri M.L.	Building Design	-
3.	Renovation to the existing ONGC academy and Nehru auditorium at KDMIPE campus, Dehradun including planning, landscaping, road networking, parking etc. Covered area : 4025 sq m	Prof. Bahri M.L.	Building Design	-
4.	Renovation for AMN Ghosh auditorium at KDMIPE campus, Dehradun (ONGC ltd). Covered area: 970 sq m.	Prof. Bahri M.L.	Building Design	-

5.	Rejuvenation of Water Bodies, Delhi Cantonment.	Prof Y.K. Jain	Services	
6.	Comprehensive Improvements to Drainage and Sewerage System, Delhi Cantonment.	Prof Y.K. Jain	Services	
7.	Proof Checking of Structural Designs and Drawings of "Proposed Development of Airport at Ajmer, Kishangarh, Rajasthan for Airport Authority of India, Ajmer.	Prof Y.K. Jain	Services	-
8.	Audit and Certification Service Residential Township at Rajapura, Bangalore, DLF Universal Ltd.; DLF Homes Panchkula DLF Pvt. Ltd., DLF Valley Panchkula, Haryana; DLF universal Ltd., Capital Green, Delhi	Prof. Mandeep Singh	Audit and Certification Service	-
9.	Shri Mata Vaishno Devi Shrine Board, Katra, J and K.	Prof. Mandeep Singh	Building Design	-
10.	Comprehensive Conservation Management Plan (CCMP) for the National Archives of India under Ministry of Culture (with the Department of Architectural Conservation)	Saptarshi Sanyal (as Project Associate)	Building and Site Conservation Plan	66
11.	Rural Housing Design Analysis for UNDP	Parul Kiri Roy	Research and Analysis	6.5
12.	Change of School Building Norms of Kendriya Vidhyalaya Sangathan	Aruna Ramani Grover	Preparation of National Norms for School Buildings	-

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

Grover, A.R (2017) Evaluation of Norms and Standards for Domestic Water Use in Indian Cities , American *Journal of Sustainable City and Society*, Vol. 1, Issue 6.

16. Details of other publications made by regular faculty of the Department.

Name faculty	Chapter Name	Name of the Book	Publisher
Parul Kiri Roy	Mud Architecture in Santiniketan- Chaiti, Shyamali and Black House (pages 89-120)	BLACK HOUSE (<i>Kalo Badi</i>)	Visva Bharti, Kolkata, 2016.
Saptarshi Sanyal	Cultural Plurality and Innovation in Design of Temples in Bengal – Tradition and Continuity	SPACE: Journal of the School of Planning and Architecture, New Delhi; Vol. 20, No. 1-2, pp. 23-40.	School of Planning and Architecture, New Delhi. 2016
Dr. Rajaprakash P.	Descartes' and Modernism an Architectural Movement Architectural Discourse: Re-emerging Nature Inspired Architectural Design Thoughts	Journal of Civil Engineering and Environmental Technology (JCEET) p-ISSN 2349-8404 Vol 3 April June 2016 Abstract Published in the Proceedings of IASTEM international Conference in association with World Research Library ISBN 9789386083 34 0	Krishti Sanskriti Publicationl May 2016 IRAJ Research Forum 2017

Arti Nagpal	Role of Green Architecture in Sustainable Development	Research paper in a “National Conference on Sustainable Urban Environmental Management in India: Problems and Prospects” ISSN No. (Print): 0975-8364, ISSN No. (Online): 2249-3255.	Department of Architecture and Planning, MNIT, Jaipur on 13-14 February, 2017.
	A study of development trends in Rohtak with reference to NCR policies for Haryana sub-region	International Conference on Sustainable Urban Environmental Management in India: Problems and Prospects Paper ID No.: GICICRST1701096. (ISSN 2454-5880). MATTER: International Journal of Science and Technology, 3(1), 252-267.	Global Research and Development Services, GRDS, Dubai on 21-22 February, 2017.
Arpita Dayal and Parihar, M.	Effective Teaching and Learning Processes in the Formative Years of Architectural Education	Journal of Teaching and Education, CD-ROM ISSN: 2156-6266; Volume 6, Number 2; 2017 pp. 151-162.	University Publication
Aruna Ramani Grover	Contemporary in the Vernacular Idiom: Book Review of Nestling in Nature by Sanjay Patil	Journal of Landscape Architecture, Volume 49, 2016, ISSN 0975-0177	-
Shuvojit Sarkar	Urban Heat Island: Causes, Effects And Mitigating Strategies	Imperial Journal of Interdisciplinary Research Volume - 3, Issue-5, pp. 2098-2103 (2017) Online ISSN: 2454 - 1362	-
	Developing an Approach and Structural Framework for Measuring Environmental Performance of Urban Settlements In India	International Journal of Emerging Technologies 8(1): 665-673 (2017) (ISSN Print: 09756364 Online: 2249-3255)	
	Havelis of Mandawa: A Study of Passive Design Techniques and their Adaptability in Modern Built Forms	Journal of Civil Engineering and Environmental Technology (JCEET), ISSN Print:2349-8404	

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

(a) National Committees

Prof Dr. Mandeep Singh

- Member of committee to establish multi-disciplinary colleges by Government of Andaman and Nicobar Islands.
- Member, Building and Works Committee, Indian Institute of Management, Raipur.
- Professional Advisor:

- National War Memorial and Museum, New Delhi, Architectural Design Competition
- Election Commission of India Architectural Design Competition
- High-Speed Railway Corporation
- Competition Commission of India
- Member of Inspection Committee, Council of Architecture.
- Member, Board of Studies:
 - Dehradun Institute Technology (DIT)
 - GNDU Amritsar, Member of Board of Studies
- Member, Faculty Selection Committee :
 - Indian Institute of Technology, Roorkee (April 2016),
 - Shri Shri University, Bhubaneshwar (April 2016)
- Member, Doctoral Research Committee
 - Jamia Millia Islamia, New Delhi
 - Dr. APJ Abdul Kalam Tech. University, Lucknow
 - Fellow Member, Indian Institute of Architects (IIA)
 - Associate Member, Institute of Urban Designers of India (IUDI)
 - Associate Member, Institute of Indian interior Designers (IIID)
 - Member, India Design Council

Prof. Moti Lal Bahri

- Chairman, SPA New Delhi Student Grievance Committee
- Member, SPA New Delhi Consultancy Practice Committee
- Fellow Member, Indian Institute of Architects.

Prof. Y. K. Jain

- Centre for Building Energy Research and Development under Indo - US Joint Clean Energy Research and Development Centre, Department of Science and Technology, New Delhi. Project Monitoring committee

Prof. Manoj Mathur

- Bureau of Indian Standards (BIS), New Delhi:
 - Member Technical Committee Doors, Windows and Shutters Sectional Committee, CED 11
 - Member Technical Committee Furniture Sectional Committee, CED 35
- University Grants Commission (UGC), New Delhi:
 - Member, Expert Committee For Research Grant Allocation
 - Member, Standing Committee For Buildings Grant Allocation
 - Chairman, Expert Committee For Grant of Autonomous Status, Bhavan's Institute of Technology, Mumbai
 - Indian Institute of Technology (IIT-BHU), Varanasi: Member, Building And Works Committee
 - Indian Institute of Technology (IIT), Kanpur: Member, Building And Works Committee
 - Jawaharlal Nehru University (JNU), New Delhi: Member, Building And Works Committee
 - Indian Institute of Democracy and Election Management, Election Commission (IIDEM), New Delhi: Member, Building Advisory Committee
 - Indian Institute of Management (IIM), Udaipur: Expert (Special invitee), Committee For New Campus Development
- Council of Architecture, New Delhi: Member, Undergraduate Studies Board
- Council of Architecture, New Delhi Inspection Team to
 - Buddha Institute of Arch. and Town Planning, Udaipur (RJ-06)
 - Faculty of Architecture, RPET Group of Institutions, Karnal, (HR-06)
- Member, Board Of Studies:
 - Central University-Rajasthan (CURAJ), Kishengarh, Raj.:
 - Deenbandhu Chhotu Ram University of Science and Technology (DCRUST), Murthal, Haryana
 - University School of Architecture and Planning, GGSIPU, New Delhi
- Member, Faculty Selection Committee:
 - National Institute of Technology, Hamirpur

- Ganga Institute of Architecture, New Delhi
- Om Institute of Architecture and Design, Hisar
- Institute of Steel Design and Growth (INSDAG), Kolkata: Member, Design Awards Evaluation Committee
- Indian Institute of Architects (IIA), Fellow Member, Jt. Gen. Secretary, Northern Chapter Executive Council
- Institute of Indian Interior Designers (IIID), Associate Member

Prof. Dr. Aruna Ramani Grover

- Delhi Urban Arts Commission, New Delhi: Expert Member
- Indian Institute of Architects, Mumbai: Internal Jury Member, Part III Examinations
- Chitkara University, Chandigarh: Member, Editorial Board of **Creative Space**
- School of Planning and Architecture (SPA), Vijayawada: Member, Doctoral Research Committee, Department of Architecture
- Central Board of Secondary Education (CBSE), New Delhi: Examiner, All India Joint Entrance Examination, Architecture and Planning
- Jamia Millia Islamia, New Delhi: Chairperson, Doctoral Research Committee, Department of Architecture
- Ministry of Culture, GoI, Tagore Cultural Centres: Member, South Zone Sub-Committee

Prof. Dr. Jaya Kumar

- Ministry of Culture, Tagore Cultural Centres: Member, North Zone Sub-Committee
- State University of Performing and Visual Arts, Rohtak: Member, Academic Council

Other

- Space Journal, SPA New Delhi: Member, Editorial Board
- Internal Quality Assurance Cell, SPA New Delhi: Member

Prof. Dr. Anil Dewan

- Bureau of Indian Standards (BIS) Panel Member – Preparation of Codes, Guides, Norms and Standards for Hospital Planning in India
- Ministry of Culture, Tagore Cultural Centres: Member, North Zone Sub-Committee Member, Building and Works Committee,
 - Delhi Technological University (formerly Delhi College of Engineering),
 - Central University of Rajasthan, (CU-RAJ) Kishengarh, Raj.
- Council Of Architecture Inspection Team, Member
 - Gautam Buddha Tech. University, Greater NOIDA
- Member Board Of Studies
 - Deenbandhu Chhotu Ram University of Science and Technology (DCRUST), Murthal, Haryana:
 - Sampurnanand Sanskrit Vishwavidyalaya, Varanasi
- Member, Faculty Selection Committee
 - Dayalbagh Education Institute, Agra
 - National Institute of Technology, Patna
 - National Institute of Technology, Hamirpur
- Indian Institute of Architects (IIA), Fellow Member
- Institute of Indian Interior Designers (IIID), Associate Member
- SPA Alumni, Member – Executive Council

Prof. (Dr.) Ranjana Mital

- Indira Gandhi Technical University For Women, Delhi ; Member Board of Studies
- Manav Rachna International University, Faridabad: Member, Course Review Committee
- Malviya National Institute of Technology (MNIT), Jaipur; Member, Academic Audit Committee Council of Architecture Inspection Team to
 - Sir MV School of Architecture, Bengaluru,
 - Wadyar Centre for Architecture, Mysuru,
 - Smt K.L. Tiwari College of Architecture, Nallasopara.

- Indian Institute of Engineering, Science and Technology (IIEST), Shibpur, West Bengal: Member, Faculty Selection Committee
- Conservation Society Delhi, Life Member;
- SPA Alumni, Founding Member

Dr. Shweta Manchanda

- Ministry of New and Renewable Energy, Govt. Of India: Green Buildings Awards committee,

Dr. Leon A. Morenas

- Reviewer for Enquiry: A Journal for Architectural Research published by the Board of the Architectural Research Centers Consortium (ARCC)
- School of Planning and Architecture (SPA), Vijayawada: Member Board of Studies

Dr. Rajaprakash P.

- Institute of Vedic Vastu and Research Foundation, Indore. (IVVRF): Life member
- Society Of Water Resources, Roorkee: Life Member
- International Medical Society , Member
- SPA Alumni, New Delhi , Member
- International Association of Academicians and Researchers (INAAR), Pune, Member

Shuvojit Sarkar

- Bureau of Indian Standards, (BIS) New Delhi:
 - Member Technical Committee: Stones Sectional Committee, CED 6:
 - Member Technical Committee: Panel for Acoustics, Sound Insulation and Noise Control, CED 46:P15

Saptarshi Sanyal

- International Council for Monuments and Sites (ICOMOS), India. National Scientific Coordinator (NSC)
 - NSC Committees on Training (CIF).
 - NSC Committees on 20th Century Heritage (NSC20C).

Arpita Dayal

- Institute of Urban Designers of India (IUDI), Associate Member

Mekhla Parihar

- United States Green Building Council (USGBC), Certified LEED Professional

18. Exhibitions, seminars or workshops organized by the students and faculty of the department

International

- ‘Civic Design Interventions in the City Core’, University of Applied Sciences, Erfurt, Germany, June 2016. Joint Workshop of students of SPA, New Delhi and UAS, Erfurt (Faculty – Prof. Moti Lal Bahri, Prof. (Dr.) Anil Dewan)

National

- ‘Urban Fabrics and Contexts: Understanding Streetscape and design interventions’, Goa College of Architecture, February 2017: Design Charette with Third Year B. Arch students of SPA, New Delhi and Goa College of Architecture, Goa (Faculty– Dr. Rajaprakash P.)
- ‘Building Back Better’ - Department of Architecture, SPA, New Delhi, 22nd Oct.2016: A curtain-raiser event for the Asian Ministerial Conference on Disaster Risk Reduction (AMCDRR), including exhibition, talks and workshop, on. In collaboration with SEEDS, NDMA and others. The workshop was based on students’ learning of Vernacular Settlement focusing on disaster management with full-scale models for Transition Shelter. (Faculty - Ms. Moulshri Joshi, Ms. Parul Kiri Roy and Ms. Mekhla Parihar)
- ‘Architecture Re-visited: Workplaces of Tomorrow’ - Yes School of Banking, Yes Bank (Head Office) Mumbai, December 2016 to February 2017: Executive Training Program, in two courses, viz., Course 1- "Understanding the User" and Course 2- “Bespoke Design” The participants were SVPs, VPs and GGMs of the their Infrastructure and Network Management Group (INM). The program was tailor-made to equip them with a better understanding of Architecture and Design resulting in more fruitful engagement with professional architects who design their properties. (Faculty - Prof. Manoj Mathur, Prof. Ranjana Mittal, Prof. Anil Dewan and Ms. Parul Kiri Roy)

- 'Engaging with the Idea of SMART in the built environment' - Rashtrapati Bhavan, New Delhi: An exhibition of academic work of students of B. Arch. IIA (2016-17) including studies and design projects in context of model smart village Dauhla (Haryana), smart living space (off the grid) and smart city of Puducherry. (Faculty - Ms. Parul Kiri Roy)
- 'Basic sculpting techniques for Architects' Oct – Nov 2016 workshop and Exhibition of academic work of first year students of B. Arch I year, as part of the Visual arts and Basic design VA1 course. (Faculty - Ms. Vandana Kothari)

19. Seminars or workshops attended by the Faculty of the Department

Prof. Moti Lal Bahri

- Workshop – 'Ease of Doing Business : Construction Permits in Delhi', (28 April 2016, Vigyan Bhawan, New Delhi)

Prof. Dr. Aruna Ramani Grover

- Seminar – 'Global trends in Real Estate, Infrastructure and Facilities Management' by SPA, New Delhi and ARCHIBUS Inc. SPA,
- Conference – 'Pilgrimage and Sustainable Cultural Tourism in South Asia: The Shaktipitha Perspective': Organized by Institute of Tourism Studies, Lucknow University, Lucknow, UP, India 14-16th October 2016, presented papers:
 - 'Assessing the values of Cultural Heritage-A step towards Redefining the Pilgrim Experience', Ms. Harveen Bhandari, Dr Prabhjot Kaur, Dr Aruna Ramani Grover,
 - 'Goddess Pilgrimage Sites: A study of forms of Goddess worship in Himachal Pradesh', Ms. Harveen Bhandari, Dr Prabhjot Kaur, Dr Aruna Ramani Grover

Dr. Rajaprakash P.

- Workshop – '361^o the Design Conference: Architectural Revolution', February 2017, Nehru Centre, Mumbai.
- Conference – '2nd International Symposium on New Processes and Applications for Plant and Microbial Products' organized by TERI and CSIC SPAIN" IHC New Delhi 2016
- Conference – 'International. Conferenc on Emerging Technologies in Civil Engineering Architecture and Environmental Engineering for Global Sustainability' organised by CEAEGS-2016) at Jawaharlal Nehru University, New Delhi. May,2016 Paper Presented 'Descartes' and Modernism an Architectural Movement'
- Conference – 'IASTEM Conference' in Venice, Italy March, 2017 Paper Presented 'Theoretical Discourse Reemerging Nature inspired design Philosophies in Architectural Theories' (yet to be published)

Parul Kiri Roy

- Workshop – 'Sense of History: Community – based Heritage Conservation' by Greha and INTACH Heritage Academy (IHA), INTACH, 23rd-25th May 2016. Invited as contributor
- Workshop – 'Alternative Traditions in Roofing Systems - A Consultation on Shallow Masonry Domes' by Hunnarshala Foundation and BMTPC; and supported by Development Alternatives, 21st July, '16. Invited as panelist
- Workshop – 'Consultation workshop on Rural Housing Project', organized by UNDP, IHC, New Delhi, October 2016. Presentation of project
- Conference – 'Grassroots Innovation in the Hinterland', at the Rashtrapati Bhavan complex, DIC meet at RB and DIC vision and future, CSIR, Delhi, held on 8th March 2017.
- Exhibition and Conference - Smart Cities India 2016, at Pragati Maidan, New Delhi, from 11-13th May 2016.
- Launch event - Smart Gram Project, Rashtrapati Bhawan, July 2016.
- Panel discussion - Tracing Narratives, IHC, New Delhi, March 2017.
- Opening Event, Yamuna River Project, IHC, New Delhi, March 2017.

Aarti Nagpal

- Conference – '3rd National Conference on Green Buildings: Integration of Solar from Buildings to Cities', 16th February, 2017, SPA, New Delhi.

- Conference –‘4th National Conference on Green Buildings: Upscaling Green Building at City Level’, 27th March, 2017, SPA, New Delhi and presented a research paper on “Sustainable Waste Water Management for Smart Cities”
- Seminar - ‘Global trends in Real Estate, Infrastructure and Facilities Management’, 12th February, 2017, School of Planning and Architecture, Delhi in association with ARCHIBUS.
- Workshop - Fire Safety Management 24th February 2017, organised by Government, of NCT Delhi, Delhi Fire Service and Council of Architecture at Fire Safety Management Academy, Rohini, Delhi
- Training - ArcGIS fundamental training 5 days from 6th to 10th March, 2017 in ESRI, Noida.

Arpita Dayal

Participation only

- Organization and participation in the lecture by Mr. B Thiagarajan, Joint MD Bluestar on 'Entrepreneurship' at Architecture Auditorium, SPA, New Delhi on 24th August 2016.
- Organization and participation in the Lecture by Mr. Karan Grover on his works at Architecture Auditorium, SPA, New Delhi on 7th Sept 2016.
- Conference - "Heritage Cities Conference" IIC, New Delhi, 6-7th October, 2016 at in collaboration with Indian Heritage Cities Network, Ministry of Urban Development-Government of India, UNESCO, INTACH, All-India Institute of Local Self-Coordination and SPA, New Delhi.
- Workshop - Building Back Better (NDMA) at Architecture Auditorium, SPA, New Delhi on 22nd Oct 2016
- Film screening - 'Uncommon Sense : the life and architecture of Laurie Baker' at Architecture Auditorium, SPA, New Delhi on 12th April 2017
Participation and Paper Presentation
- Conference - 'International Journal of Arts and Sciences (IJAS) international Conference' at the British School of Rome, Rome from 15-18th November 2016.

Mekhla Parihar

Participation only

- Special Lecture - 'Entrepreneurship' Mr. B. Thiagarajan Joint MD Blue Star Limited on at SPA, New Delhi, 24th August 2016.
- International Conference – ‘The Asian Ministerial Conference on Disaster Risk Reduction 2016’: MHA, Govt. of India at Vigyan Bhawan, New Delhi on 3rd-5th November 2016.
- Seminar – ‘Energy Efficiency in Housing and Implementation Framework of ECBC’: HUDCO at IIC, New Delhi on 27th-28th February 2017.
- Special Lecture – ‘The Idea of India in Early European Maps’ by Susan Gole in New Committee Room, SPA, New Delhi on 26th April 2017.

Participation and Paper Presentation

Conference - 'International Journal of Arts and Sciences (IJAS) international Conference' at the British School of Rome, Rome from 15-18th November 2016.

Shuvojit Sarkar

Participation and Paper Presentation

- Conference - National Conference on Urban Environmental Management in India: Problems and Prospects held at MNIT, Jaipur, on 13th -14th Feb 2017 and presented a paper 'Developing an Approach and Structural Framework for Measuring Environmental Performance of Urban Settlements In India'
- Conference - International Conference On Architecture, Civil and Environmental Engineering (ACEE-2017) JNU, New Delhi, on 11th June, 2017 and presented a paper 'Havelis of Mandawa : A Study of Passive Design Techniques and their Adaptability in the Modern Built Forms'
- Conference - International Conference On Innovative Research in Mechanical, Electrical, Electronics, Civil, Computer Science and Information Technology (MECIT-2017) held at Jawaharlal Nehru University, New Delhi, on 29th April, 2017 presented a paper on Material Oriented Technological Design Process : An Alternate for Form Generation towards Sustainable Architecture
- Conference – ‘Grassroots Innovation in the Hinterland’, at the Rashtrapati Bhavan complex, DIC meet at RB and DIC vision and future, CSIR, Delhi, held on 8th March 2017.

20. Courses and training programs of more than one week attended by the faculty of the department

Nil

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

Nil

22. 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

23. 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. P.S.N. Rao, Ph.D. Coordinator
- Prof. Dr. Aruna Ramani Grover, Professor of Architecture

24. Prominent visitors to the department of studies

None

25. Details of activities under various MOUS during the reporting year (if any)

None

26. Details of 'beyond syllabus scholarly activities' of the department.

None

27. Any other information

Parul Kiri Roy

- **Community Engagement Work:** Active member of *Mehrauli Collective*, currently working on urban renewal and environmental improvement of the historic settlement of Mehrauli.

- **Social Work:** 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.

Shuvojit Sarkar

- **Social Work:** Conducted a workshop on Sketching and Colouring for the economically weaker section of the society with a NGO PRATIGYA based in Shalimar Bagh, Delhi

Vandana Kothari

- Selected for an Honourable mention award in Painting in 29th National Exhibition of Art by Government of Telangana, organized by South Central Zonal Cultural Centre, Nagpur, March 2016
- Invited to attend an Art camp at Shimhastha Khumb, Ujjain organized by South Central Zonal Cultural centre, Nagpur
- Exhibition of artworks at Indira Gandhi National Centre of Arts, New Delhi organized by SCZCC and Lalit Kala Academy, New Delhi

DEPARTMENT OF PHYSICAL PLANNING

1. Name of the Department

Department of Physical Planning

2. Name of the academic programmes offered by the Department

- Bachelor of Planning
- Ph.D.

3. Year of establishment of the Department

1990

4. Faculty profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Number of Years of Experience	Remarks if any
Mahavir	B. Arch., MURP, PG Diploma (Remote Sensing), Ph. D. (ITC-Utrecht, The Netherlands)	Professor of Planning	Urban and Regional Planning; Geo-informatics	31	-
Ashok Kumar	M.Sc. (Geography); MP (URP); PGDHRM; Ph.D. (The University of Liverpool, U.K.)	Professor of Physical Planning	Planning Theory; Spatial Justice; Public Planning Policy; Urban Governance; Planning Education; Public Participation	26	-
Mayank Mathur	B Arch, M. Housing, PG Diploma in Housing Planning and Building, (The Netherlands), Ph.D.	Professor of Physical Planning	Housing; Environmental Planning; Design of Human Settlements	27	-

Rabidyuti Biswas	B.E (Civil), Master of Regional Planning (IIT Kharagpur), Ph. D (IIT Roorkee)	Professor of Physical Planning	Regional Planning; Planning Techniques; Infrastructure Planning and Management	23	-
Poonam Prakash	B.Arch., M. Planning (Housing), Ph.D.	Professor of Physical Planning	Public Participation; Plan Preparation and Implementation; Low Income Housing; Planning Education	23	-
Priti Deo	Masters in Geography M. Planning (Regional Planning)	Assistant Professor	Geographic Information Systems (GIS); Demography; Settlement Geography	13	-
Papiya B. Raut	Masters in Geography M. Planning (Regional Planning)	Assistant Professor	Rural Development and Village planning; GIS and Remote Sensing; Informal Sector	22	-
Piyoosh Singh	B.Arch., M.C.P. (Masters in City Planning)	Assistant Professor	Culture and Cities; Cities in History; Human Settlements	09	-

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	VII	Planning and Design Studio (Regional Planning – Nalagarh and Dharampur Blocks – District Solan, Himachal Pradesh)	8
	VII	Planning Information Systems and Computer Use	3
	VIII	Thesis and Terminal Project	6
	II	Geo-Informatics for Planning – I	4
	VI	Planning and Design Studio (Master Plan – Bahadurgarh, Haryana)	3
Ashok Kumar	VII	Planning and Design Studio (Regional Planning – Nalagarh and Dharampur Blocks, District Solan,	5
			3

	I III IV VI VIII	Himachal Pradesh Fundamentals of Urban and Regional Planning Planning Theory – I Planning Theory – II Planning Studio – Development Plan – Bahadurgarh city, Haryana Thesis and Terminal Project	3 3 3 3 8
Mayank Mathur	V V VI IV VIII	Planning Studio - Zonal Development Plan for Baddi Barotiwala Nalagarh Special Area, District Solan, Himachal Pradesh Housing and Community Planning Planning Studio – Development Plan – Bahadurgarh city, Haryana Urban Design Thesis and Terminal Project	11 2 5 2 9
Rabidyuti Biswas	III III III IV VIII	Planning Techniques II Infrastructure Planning I Planning Studio (Transport Planning) Planning Studio (Site Planning) Thesis and Terminal Project	1 3 6 6 6
Poonam Prakash	I I I II II III VIII VIII	Planning Techniques I Planning Studio Planning Communication I Planning Communication II Planning Studio II Planning Techniques II Professional Practice Thesis and Terminal Project (Thesis Coordinator)	2 8 2 3 8 2 2 6
Priti Deo	I I II III IV V VI VIII	Planning techniques – I Planning Communication – I Planning Communication – II Planning Studio - Land Use and Transport Demography and Urbanization Settlement Geography Planning Studio- Development Plan Thesis and Terminal Project	1 2 2 11 3 3 11 5
Papiya B. Raut	II III IV VI VI VII VIII	Site and Land Development Ecology and Resource Planning Planning and Design Studio (Site Planning) Planning and Management of Informal Sector and basic needs Planning and Design Studio (Zonal Planning) Rural and Resource Planning Thesis and Terminal Project	1 3 11 3 11 4 3

Piyooosh Singh	I	Culture and Cities	3
	I	Planning Communications-I	4
	I	Planning Studio-I	11
	II	Cities in History	3
	II	Planning Communications-II	4
	II	Planning Studio-II	11
	VIII	Thesis and Terminal Project	3

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
Mahavir	I Semester, M. Planning (Integrated)	Introduction to Remote Sensing Introduction to Regional Planning	1
	I Semester M. Arch. (Architectural Conservation)	Environmental Planning and Design Thesis	1
	IV Semester, M. Plg. (EP)		
Ashok Kumar	I Semester, M. Planning (Integrated)	Planning History and Theory	2
Mayank Mathur	I Semester, M. Planning (Integrated)	Housing and Environment Planning Housing for Special Areas	1
	IV semester, M Planning, (Housing)		2 hours only
Rabidyuti Biswas	IV Semester, M. Planning (RP)	Thesis guidance	3
	M. Planning Integrated semester	Infrastructure Planning	3
Poonam Prakash	I Semester M. Arch. Conservation	Theory and Parameters I (Introduction to town Planning)	1

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

January 2017 to May 2017

Visiting Professor				
S. No	Name of the Visiting Faculty	Semester	Subjects (Theory and Studio)	Hours per Week
1.	Prof. P.V. Mahashabdey	IV IV	<ul style="list-style-type: none"> • Planning and Design Studio • Planning Indian Cities 	2 11
2.	Prof. V. K. Dhar	VI VIII	<ul style="list-style-type: none"> • Planning and Design Studio • Thesis and Terminal Project 	11 3
Visiting Faculty				
1.	Shri R.K Barik	II VI	<ul style="list-style-type: none"> • Introduction to Social Science • Political System and Planning 	3
2.	Shri Indro Roy	II	<ul style="list-style-type: none"> • Economics for Planners 	3
3.	Shri S.C Agarwal	II	<ul style="list-style-type: none"> • Site and Land Development 	2
4.	Shri Pradeep Prakash	II	<ul style="list-style-type: none"> • Planning Communication -II • Planning Communication -II 	2
5.	Shri Suresh Chand	II	<ul style="list-style-type: none"> • Planning Communication- II 	2
6.	Mrs. M.Z Bawa	II	<ul style="list-style-type: none"> • Planning Studio –II 	11
7.	Shri Tapan Mondal	II	<ul style="list-style-type: none"> • Planning Studio - II 	5
8.	Ms. Neeru Gupta	IV VI	<ul style="list-style-type: none"> • Landscape Planning & Design • Landscape Planning & Design 	3 3
9.	Ms. Shahena Khan	VI	<ul style="list-style-type: none"> • Urban Design & Conservation 	2
10.	Ms. Ramya Teeparthi	II	<ul style="list-style-type: none"> • Planning Communication- II 	4
11.	Mr. Smanla Dorjee Nurboo	II	<ul style="list-style-type: none"> • Planning Communication- II 	4
12.	Mr. Aditya Ajith	IV	<ul style="list-style-type: none"> • Planning Cities 	4
13.	Ms. Archana Tamraka	IV	<ul style="list-style-type: none"> • Planning & Design Studio • (Housing Aspects) 	6
14.	Ms. Mansi Kataria	VI	<ul style="list-style-type: none"> • Urban Design & Conservation 	2
15.	Ms. Surbhi Anand Roy	VI	<ul style="list-style-type: none"> • Urban Design & Conservation 	2
16.	Shri Chitresh Kumar	VI	<ul style="list-style-type: none"> • Operations Research and System Analysis/ Computer Application - II 	3
17.	Shri Parul Sharma		<ul style="list-style-type: none"> • Land Economics & Location Theory 	2
18.	Shri Saket Bihari	VI	<ul style="list-style-type: none"> • Elements of Settlements Sociology 	3
19.	Ms. Anjula Negi		<ul style="list-style-type: none"> • Professional Practice 	1
20.	M.L. Chotani	VIII	<ul style="list-style-type: none"> • 1. Planning Legislation 	6
21.	Mr. Anjan Mandal	VIII	<ul style="list-style-type: none"> • Technical Report Writing 	2

July 2016 to December 2016

Visiting Professor				
S. No	Name of the Visiting Faculty	Semester	Subjects (Theory and Studio)	Hrs. Per week
1	Prof. V.K Dhar	VII	• Planning and Design Studio	11
Visiting Faculty				
1.	Dr. Prabh Bedi	I, III	• Computer Applications- I • Geo Informatics for Planning - II	3 3
2.	Shri Suresh Chand	I	• Planning Communications – I	2
3.	Mr. Pradeep Prakash	I	• Planning Communications -I	4
4.	Dr. Indro Roy	I	1. Quantitative Methods for Planners	3
5.	Mrs. M.Z Bawa	I	1. Planning Studio - I	11
6.	Shri Tapan Mondal	I	1. Planning Studio – I	9
7.	Shri. Suresh Chand	I	1. Planning Studio- I	5
8.	Shri Pankaj Kant	III, V	1. Transportation Planning – I 2. Planning Studio- Land Use and Transport 3. Traffic and Transportation - II	3 5 3
9.	Ms. Nupur Dubey	III	1. Planning Studio- Land Use and Transport	6
10.	Shri Parul Sharma	III	1. Planning Studio- Land Use and Transport	5
11.	Dr. Kusum Lata	V	1. Utilities and service Planning	4
12.	Dr. Deepak Roy Chaudhary	V	1. Demography And Urbanization	3
13.	Dr. Meena Vidhani	V	1. Housing & Community Planning	2
14.	Ms. Mona Chhabra	V	1. Development Planning	3
15.	Shri P.V Mahashabdey	V	1. Planning and design Studio	11
16.	Shri R. Srinivas	VII	1. Urban Management	3
17.	Dr. R.K Sachdeva	VII	1. Project Planning & Control	3
18.	Shri Mukesh Mathur	VII	1. Public Finance	2
19.	Shri Vivek Anand Gupta	VII	1. Planning and Design Studio	11
20.	Shri Rajeev Malhotra	VII	1. Planning and Design Studio	5

(b) Details of Special Lectures undertaken in the Department

- Special lecture by David Rudlin from Manchester University and Director of URBED on So What Went Wrong? Lesson from UK (City Planning) organized by the Department of Physical Planning on 24 October 2016.
- Special lecture by Dr. Dorina Pojani, Faculty in Urban Planning, University of Queensland, Australia on Urban Transport Crisis in Small and Medium Size Developing Cities , organized by department of Physical Planning on 14 October 2016.

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

None

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

Semester/Year	Project Title/Topic	Description
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. Sarita Vihar, Delhi was the case study area.
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 Delhi were taken with different housing typologies to understand evolution of different typologies, relationship with development controls. A visit to Vrindavan to understand economic function of a city was also undertaken.
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 Dehradun as case study to prepare a City Transportation Plan for Dehradun.
Fourth Semester	Planning Studio IV (Site Planning)	This studio provides the exposure to the students to plan and design a residential area of around 10 hector. This time students have taken two sectors of Rohini (41, 42) for detailed study of site analysis and site context and finally selected around 10 hector area out of these two sectors for site planning.
Fifth Semester	Planning and Design Studio – Zonal Plan of Baddi Barotiwala Nalagarh Area, Himachal Pradesh	In this Studio exercise, students studied the policies of a Master Plan and its detailing at the Zonal Plan. The students identified a zone to prepare the Zonal Plan. The case study of Baddi Barotiwala Nalagarh area enabled them to understand the hierarchy of plans as per their act and interrelation of various aspects at the Zonal level.
Sixth Semester	Planning and Design Studio –	In this Studio exercise, students comprehend components of a statutory Master Plan document

	Master Plan for Bahadurgarh, Haryana	and their significance for the people and communities of the city. Students explored the processes of land use allocations underpinning the stated rational plan making model through a case study of Bahadurgarh, in the context of NCR Sub-Regional Plan and the DMIC.
Seventh Semester	Planning and Design Studio-Block Development Plans for Nalagarh and Dharampur Blocks, District Solan, Himachal Pradesh	In the studio exercise the students focused on identifying planning issues, problems and potentials so that appropriate future course of action could be suggested in the form of specific policies and projects for various sectors in an integrated manner. Students finally prepared two Block Development Plans for the blocks of Nalagarh and Dharampur, respectively.
Eighth Semester	Terminal Project and thesis	Students worked on individual thesis.

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

BP/539	Akhil Chaudhary	Developing an understanding of millennials as a separate travel cohort w.r.t. its travel characteristics, case study- NDMC area Delhi
BP/577	Rex Basumatary	Integrated development for downstream settlements of a dam, Case study : Gogamukh, Assam
BP/584	Mono Krishna Das	Habitat of tea plantation workers, case study: Jorhat central block
BP/590	Riya Gupta	Periodic Table as a basis for quantifying the Assessment of Land Use Compatibility in an Urban Context; Case Study - Bathinda City
BP/592	Anshika Agarwal	Developing a Spatial E -Governance Model for Urban Areas : Ghaziabad
BP/593	Muppidi Sahaja	Planning Policies as a Facilitator of SDG11 at City level; a case study of Bengaluru
BP/594	Sana Sandhu	Transport related Social Exclusion, Case study- Gurgaon
BP/595	Monika Pal	Critical analysis of decision making process of a transit system
BP/597	Parth Maheshwari	Criteria for Location and Spacing of Bus Stops, Case study - Mathura Road, Delhi
BP/599	Vidushi bhatt	Digital (Spatial) Land Records enabled planning in rural areas; case study Chandigarh UT
BP/601	Titikshya Sahoo	Assessment of Cities under Coastal Regulation Zone, Case study of Mumbai
BP/602	Sudha Jain	Strategies for Biodiversity Conservation on Local Level- Case Study : Zone-D, New Delhi
BP/603	Charvi Gupta	Social Production of Space : A Case of Transgender(ed) Settlements in Delhi

BP/604	Diksha Chauhan	Inter-organisational coordination: A case study of BRTS Indore
BP/605	Anish Grover	Coordination in Plan Implementation : Land Allocation for Middle and Senior Secondary Schools in Delhi
BP/606	Ishita Jain	Assessment of policy and regulatory framework for a climate change resilient city - Case Study Ghaziabad
BP/607	Partha Pratim Haloi	Implementation of Swachh Bharat Mission in Guwahati
BP/607	Partha Pratim Haloi	Implementation of Swachh Bharat Mission in Guwahati
BP/608	Ankush	Optimum requirement of open spaces to reduce urban heat island effect
BP/609	Harsha Arya	Role of rag pickers in recyclable management, Case study Kanpur
BP/610	Kerly Swinotha Kandula	Impact of urbanisation on lakes, Case study of Bengaluru
BP/611	Naveen Verma	BRTS and Land Use Relationship in Ahmedabad
BP/612	Tsomo Wangchuk	Implications of Transfer of Land Act 1971 on Urban Transformations in Shillong
BP/614	Shalini	Assessment of Swachh Bharat Mission - A Case study of Delhi
BP/615	Vullakula Yugandhar Krishna Sai	Assessment of land pooling scheme, Case study of Amaravati
BP/617	Ankita	Assessment of Planning Approach under DIT and DDA and strategies for future development
BP/618	Malvika Anuroop	Reclamation of Alienated Land under decentralised governance- Case study of tribal in Mananthavady block, Wayanad District
BP/619	Jasmine Kaur	Regulatory framework for urban village development, Munirka Urban Village- Delhi
BP/620	Toshi Yadav	Convergence of Schemes for the Spatial Development of Village Panchayat, Case Study - Panchayat Unao, Block Datia, M.P
BP/621	Om Prakash Chittibommala	E Waste management, Hyderabad
BP/624	Ashankh Shankar Jai	Planning for the mitigation of urban floods in Chennai
BP/625	Pema Thinley	Squatter settlements in Thimphu, Issues and Solutions
BP/626	Ngawang Tshomo	Role of Planning in enhancing Gross National Happiness: A case study of Thimphu

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

Year of Enrolment	Name of the Student	Thesis Topic	Name of the Research Supervisor	Remarks if any
2010-2011	Chetna Prakash	Transformation in Per-Urban Areas: Chennai Metropolitan Area	Dr. Mahavir	-
2011-2012	Sanhita Bandyopadhyay	State Space Analysis in Solid Waste Management Process	Dr. Rabidyuti Biswas	Awaiting defence
2011-2012	Bikram Kumar Dutta	Evaluation of Resettlement and Rehabilitation Policies of India: A Case Study of Highway Projects	Dr. Ashok Kumar	Awaiting defence
2013-2014	Suresh Babu	Approaches to Land Acquisition for City Planning and Development: Comparison of Navi Mumbai and Noida	Dr. Ashok Kumar	-
2012-2013	Seema Kaushal	Evaluation of the Processes of Master Plan Preparation; A Comparative Perspective	Dr. Ashok Kumar	-
2013-2014	Harikrishna Gopal Nambiar	Housing Transformation Around Major Urban Transportation Nodes in Mega Cities- Case Study Delhi	Dr. Mayank Mathur	-
29.5.2013	Lalit Kumar	Impacts of Private Urban Development on Different Socio-economic Group in Haryana a Sonipat -Kundli Urban Complex	Dr. Ashok Kumar and Dr. P.S.N Rao	-
2014-2015	Neha Verma	Spatial Perspective on Primary Health Care Services Accessibility in Pune.	Dr. Poonam Prakash	-

12. Research thrust areas of the Department

Spatial Justice, Public Policy, Public Participation, Plan Preparation and Implementation, Infrastructure Planning, Housing.

13. Completed and ongoing research projects in the Department

None

14. Details of consultancy projects undertaken by Department

Name of the Project	Thrust Area	Expected Outcome	Total Fee
Ashok Kumar			
Megaprojects and the Reshaping of Urban Futures: Governance and Equity in the Delhi Mumbai Industrial Corridor	Industrial Corridor Development in India	A report to be submitted by the University of Sheffield to the British Academy, London.	1,700 U.K. Pound Sterling to be paid to the School

		Joint academic papers to be published in refereed journals. The project being coordinated by Prof. Ashok Kumar	in INR.
R. Biswas, Ashok Kumar, Mayank Mathur, Poonam Prakash			
Master Plan for Gogamukh	Preparation of an Development Plan for downstream settlements of a dam	Inception report has been submitted and analysis of different sectors of development in the case study area is in process.	Rs. 21,50,000 to be paid to the School
Mayank Mathur, Mahavir, Ashok Kumar, R. Biswas, Poonam Prakash			
Sectoral Plan for Baddi	Review of Master Plan and Preparation of a Sectoral Plan for Baddi Barotiwala Nalagarh	Report with respect to the thrust area will be prepared. The project will be coordinated by Prof. Mayank Mathur	Rs. Sixty Lakhs to be paid to the School.

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

None

16. Details of other publications made by regular faculty of the Department in Journals

Mahavir

Mahavir (2017), 'Integration of Existing Information Systems as a Spatial eDemocracy Tool for Smart Cities in India' (co-author), in T. M. Vinod Kumar, (ed.) *E-Democracy for Smart Cities*, Springer, Singapore.

Mahavir (2017), 'AMRUT and NUIS based Climate Change Vulnerability Assessment Index for Coastal Cities: A Case of Coastal City of Kozhikode' (co-author), paper published in SPACE, The SPA Journal of Planning and Architecture, New Delhi, Vol. 20, No. 1-2, Jan-June, 2016, pp.99-124.

Mahavir (2017), 'Mainstreaming Environmental Planning Considerations for Integrating Solar Energy in Built Environment' (co-author), paper published in SPACE, The SPA Journal of Planning and Architecture, New Delhi, Vol. 20, No. 1-2, Jan-June, 2016, pp.86-98.

Mahavir (2017), '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.

Ashok Kumar

Kumar, A. (2016) Citizen Engagement in the Smart Cities Mission, *Institute of Town Planners Journal*, Vol.13, No. 2, pp. 12-22.

Kumar, A. (2016) New Urban Agenda: Some Introductory Remarks, A paper presented on the World Town Planning Day in an event organized by Institute of Town Planners, India Venue: ITPI, New Delhi.

Kumar, A. (2016) 'Theorizing Participation: From Deliberative Consensus to Agnostic Pluralism', in Ashok Kumar, and Poonam Prakash (Eds.) *Public Participation in Planning in India*, Cambridge Scholars Publishing, Newcastle upon Tyne.

Kumar, A. and Pradip Kumar Sarkar (2016) Making Delhi a Smart City: Economic Buoyancy with Spatial Justice' in T.M. Vinod Kumar (Ed.) *Smart Economy in Smart Cities*, Springer, Singapore.

Kumar, A. and Poonam Prakash (2016) 'Conclusions: Uncertainty, Complexity and Ambivalence', in Ashok Kumar, and Poonam Prakash (Eds.) *Public Participation in Planning in India*, Cambridge Scholars Publishing, Newcastle upon Tyne.

Prakash, P. and Kumar, A. (2016) 'Introduction: Framings and Formulations', in Ashok Kumar, and Poonam Prakash (Eds.) *Public Participation in Planning in India*, Cambridge Scholars Publishing, Newcastle upon Tyne.

Kumar, A. (2017) 'Can the Smart City Allure Meet the Challenges of Indian Urbanization?', in Poonam Sharma and Swati Rajput (eds.) *Sustainable Smart Cities in India*, Springer, Switzerland.

Kumar, A. (2017), 'E-Democracy in New Delhi Municipal Council: A Case of Smart City Planning Processes', in T.M. Vinod Kumar (ed.) *E-Democracy for Smart Cities*, Springer, Singapore.

Kumar, A. (2017), 'The Indian Theory of E -Democracy and E-Governance and its Linkages with the Smart Cities Mission ', in T.M. Vinod Kumar (ed.) *E-Democracy for Smart Cities*, Springer, Singapore.

Rabidyuti Biswas

Biswas, R. (2016), Residential Typology and Water Management Options for Urban Area, *Journal of Environmental Research and Development* , Vol 10 No. 04 April -June 2016, ISSN 0973-6921, E - ISSN 2319 - 5983.

Poonam Prakash

Prakash, P. and Jain, T. (2016) Assessment of Master Plan Provisions for Low Income Housing in Four Cities, *Shelter*, October 2016.

Papiya Bandyopadhyay Raut

Raut S.K. and Raut P.B. (2016), "Implementation Challenges for Establishing Smart Urban Information and Knowledge Management System" in Poonam Sharma and Swati Rajput (eds.) *Sustainable Smart Cities in India*, Springer, Switzerland.

Raut S.K. and Raut P.B. (2017), "From National Urban Information System to Augmented Reality for Smart Implementation of Development Plans" in the proceeding of 65th National Town Planning Congress, organized by the ITPI, New Delhi held at Udaipur on 6-8 January 2017.

Books and Book Chapters

Kumar, A. and Prakash, P. (Eds.) (2016) *Public Participation in Planning in India*, Cambridge Scholars Publishing, Newcastle upon Tyne.

Kumar, A. and Prakash, P. (Eds.) (2016) *Public Participation in Planning in India*, Cambridge Scholars Publishing, U.K.

Kumar, A. and Prakash, P. (2016) *Conclusions: Uncertainty, complexity and Ambivalence*, Book Chapter in the Book titled *Public Participation in India*, Cambridge Scholars Publishing, U.K.

Prakash, P. and Kumar, A. (2016) *Introduction: Framings and formulations*, Book Chapter in the Book titled *Public Participation in India*, Cambridge Scholars Publishing, U.K.

Prakash, Poonam (2016) *Reflection on Processes of inclusion and exclusions in Participatory Practices in Planning: Experience of Delhi Master Plan 2021*, Book Chapter in the Book titled *Public Participation in India*, Cambridge Scholars Publishing, U.K.

17. Faculty serving in

(a) National Committees

Mahavir

- Member, Technical Advisory Committee for Coordination and Implementation of the Formulation of GIS -Based Master Plans for AMRUT Cities Scheme; Ministry of Urban Development, Government of India.
- Member, Selection Committee for the post of Deputy Director (GIS), NCR Planning Board, New Delhi, June 9, 2017.

Ashok Kumar

- Member, National Advisory Council, Regional Studies Association, U.K., India Division, New Delhi, 2016.
- 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, Town Planning Education Board, ITPI, New Delhi.
- Secretary Publications, ITPI, New Delhi.
- Member, Executive Committee, Institute of Town Planners, India, New Delhi.

Mayank Mathur

- Member, Executive Committee, Institute of Town Planners, India, New Delhi.
- Secretary, Town Planning Education Board, 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, Gautam 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 of Professional Standing Committee, ITPI, New Delhi
- Member of Evaluation Committee (ITPI) for evaluation of Planning Courses in India
- Member of selection committee for planning faculty in Gautam Budh University, G. Noida.

Dr. Poonam Prakash

- Independent Director, Integrated Industrial Township Greater NOIDA Limited
- Member of the Board, Transactional Analysis Centre of Education and Training

(b) International Committees

Dr. 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.
- Member, Regional Studies Association, U.K.
- Member, The American Association of Geographers, Washington D.C., U.S.A.
- Member, University of Liverpool Alumni Association, Liverpool, U.K.

(c) Editorial Boards

Mahavir

- Editor, *SPACE* Journal of 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.
- Referee for *Urban Research and Practice*, a journal published by Taylor and Francis, London.

Mayank Mathur

- Associate Editor, Design Workshops for Participatory Design, commongroundpublishing.com

Rabidyuti Biswas

- Reviewer for a chapter of edited book titled System Analysis Approach for Complex Global Challenges, to be published by Springer, 2016.
- Member of Editorial Board and Reviewer for Academic Journal of Applied Engineering of International Association of Scientists and Researchers, since Dec 2016.

(d) Any Other

Mahavir

- Member of the Board of Governors, SPA, New Delhi
- Member, DRC, SPA Vijayawada
- Member, Board of Studies and Area Advisory Board, Amity School of Architecture and Planning, Amity University, Noida, U.P.
- Fellow Member of Institute of Town Planners, India, New Delhi.
- Registered with Council of Architecture, New Delhi.
- Life Member, Indian Institute of Public Administration
- Life Member, Indian Society for Remote Sensing
- Member Academic Council of the School
- Vigilance Officer of the School

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, Academic Council of the SPA, New Delhi

Mayank Mathur

- Member of the Executive Council, SPA, New Delhi
- 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
- Member Academic Council of the SPA, New Delhi
- Executive Member, IHS, Alumni Association, New Delhi
- Convocation Coordinator, for the XXXIV Convocation of SPA, New Delhi, held at Siri fort Auditorium, New Delhi, 19 January 2017.

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

Poonam Prakash

- Member, Internal Quality Assurance Cell (IQAC), School of Planning and Architecture, New Delhi.
- Member, Academic Council, School of Planning and Architecture, New Delhi.

Ms. Priti Deo

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

Papiya Bandyopadhyay Raut

- Associate Member, Institute of Town Planner, India
- Co-opted Member of Delhi Regional Chapter, ITPI

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.
- Member Selection Committee of Urban Design

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

(a) Exhibitions

None

(b) Seminars/Workshops

None

19. Seminars or workshops attended by the faculty of the Department:

a. National

Mahavir

- Participated in the elets Smart City Summit 2016, organised by elets Technomedia Ltd., July 29, 2016, New Delhi.
- Participated in the Workshop on Smart City Governance: Capacity Building and Integrated Planning organized by the Ministry of Urban Development, Government of India and the Royal Netherlands Embassy, October 25, 2016, New Delhi.
- Chaired a technical session on 'Sustainable Built Environments', in the Neo-International Conference on Habitable Environments & International Professional Meet, organized by the Lovely Professional University, at Phagwara, Punjab, November 11-13, 2016.
- Panel Discussant, Conference on Integration of Solar from Building to Cities, organized by the Sharp Developments in collaboration with School of Planning and Architecture, New Delhi, February 16, 2017.
- Chaired a Technical Session on Identifying the Evolving Policy Guidelines; Institutional Framework for Up-scaling Green Buildings at City Level", at the 4th National Conference on Green Buildings: Up-scaling Green Building at City Level', organized by the Sharp Developments with SPA, New Delhi as Knowledge Partner, March 27, 2017.
- Participated in "Healthy Environments and Active Living – Workshop and Networking", organized by the Queen's University, Belfast, UK, at New Delhi, June 7, 2017.
- Participated in the Researchers' Conference, as an Expert, for evaluation of the research on "Assessing and Modeling 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.

Ashok Kumar

- Attended a National Workshop on 'Harnessing open Data for Cities' organized by the University of Chicago Center in Delhi, New Delhi. 12-13 September 2016.
- Attended the Third BRICS Urbanisation Forum on 'Urban Transition in BRICS' organized by Ministry of Urban Development, Government of India at Visakhapatnam, Andhra Pradesh. 14-16 September 2016.
- Attended an International Workshop on 'UK -India Joint Network on Sustainable Cities and Urbanisation in India' organized by National Institute of Urban Affairs, Research Council UK India, and Newton Fund at New Delhi. 26-27 September 2016.
- Attended the international conference on 'Social Science Research – Status and Policy Issues' organized by the Indian Council of Social Science Research, New Delhi. 5 November 2016.
- Attended national workshop on 'Initiative towards Combating Road Accidents in India', organized by the Department of Transport Planning, School of Planning and Architecture, New Delhi. 2 December 2016.

- Attended the Sixth Asia Pacific Ministerial Conference on 'Housing and Urban Development' (APMCHUD), organized by HSMI and Ministry of Urban Development, New Delhi. 14-16 December 2016.
- Participated in the South Asia Urban Knowledge Hub Project Roundtable on Dissemination of Knowledge Products, organized by National Institute of Urban Affairs, New Delhi. 22 May 2017.
- Participated in workshop on Sharing of Singapore and International Best Practices in Water, Wastewater, and Solid Waste Management, 16 -17 June 2016 organized by Niti Aayog, New Delhi

Mayank Mathur

- Attended 2nd National Summit on 100 Smart Cities India 2016 , organized by Dept. of Electronics and Ministry of Commerce and IT , Government of India, 9th September, 2016.
- Attended the World Town Planning Day (8 November 2016) organized by Delhi Regional Chapter of ITPI, New Delhi. 15 November 2016.
- Participated in the Workshop on Initiatives towards Combating Road Accidents in India, held at SPA New Delhi, 2nd December, 2016
- Workshop on Publishing for International Journals, organized by the ITPI, New Delhi, January 2017
- Participated in Conference on Integration of Solar from Building to Cities, organized by the Sharp Developments in collaboration with School of Planning and Architecture, New Delhi, February 16, 2017.
- Attended Interactive Session with H.E. Mr. Bert Koenders, Minister of Foreign Affairs, in New Delhi, 9th May 2017

Rabidyuti Biswas

- Participated in workshop on Sharing of Singapore and International Best Practices in Water, Wastewater, and Solid Waste Management, 16-17 June 2016 organized by Niti Aayog, New Delhi
- Participated in the special lecture on Air quality management in mega cities of India by Professor Mukesh Khare, IIT Delhi, in SPA, New Delhi on 8 April 2016.
- Participated in Workshop on How to Publish Papers in International Journals organized by ITPI and Henley Business School on 10 January 2017.
- Participated on a colloquium on Government of India's Urban and Rural Mission - An Over View on 30 September, 2016, organized by DRC, ITPI, New Delhi
- Participated in two days workshop on Urban Flood Mitigation - Lesson Learnt and Road Map for Future , Organized by National Disaster Management Authority, New Delhi , 12-13 Feb. 2016
- Participated in a conference on Integration of Solar from Building to Cities, organized by SPA, New Delhi on 16 February 2017
- Rapporteur in the National Workshop on: Networking between Town Planning Profession and Education, organized by ITPI and SPA, New Delhi on 7 May 2016.

Poonam Prakash

- One day Workshop on Publishing for International Journals, organized by the ITPI, New Delhi, January 2017.

Priti Deo

- Participated in international summer training course on 'Land Use/Land Cover Modeling and Prediction' organized by Department of Civil Engineering, MNIT Jaipur under Global Initiative of Academic Network (GIAN) from 4th - 8th July 2016.
- Participated in World Habitat Day 2016, organized by Ministry of Housing and Urban Poverty Alleviation on 3 October 2016.
- Attended national workshop on 'Initiative towards Combating Road Accidents in India', organized by the Department of Transport Planning, School of Planning and Architecture, New Delhi, 2 December 2016.
- Participated in one day Workshop on 'Publishing for International Journals' organized by the ITPI, New Delhi on 11 January 2017.
- Participated in one week training course on 'Urban Dynamics and Planning Techniques' organized by Department of Architecture and Planning, IIT Roorkee under Quality Improvement Programme (QIP), from 26 -30 June 2017.

Papiya Bandyopadhyay Raut

- Attended the 65th National Town Planning Congress on "Integrating Implementation of Development Plans" organized by ITPI, held on 6-8th January, 2017 at Udaipur, Rajasthan.
- Participated in one week training course on 'Urban Dynamics and Planning Techniques' organized by Department of Architecture and Planning, IIT Roorkee under Quality Improvement Programme (QIP), from 26 -30 June 2017.
- Attended a workshop on "Unified Building Bye -laws 2016" organized by ITPI held on 26th August 2016.
- Attended a workshop on "Town Planning Today – Issues and Concerns" organized by ITPI held on 15th November 2016.

Piyoosh Singh

- Participated in one week international summer training course on 'Land Use/Land Cover Modeling and Prediction' organized by Department of Civil Engineering, MNIT Jaipur under Global Initiative of Academic Network (GIAN) from 4th - 8th July 2016.
- Attended a workshop on "Unified Building Bye-laws 2016" organized by ITPI held on 26th August 2016.
- Attended a workshop on "Town Planning Today – Issues and Concerns" organized by ITPI held on 15th November 2016.
- Participated in one day Workshop on 'Publishing for International Journals' organized by the ITPI, New Delhi on 11 January 2017.
- Attended one week STC (Short Term Course) on 'Urban Dynamics and Planning Techniques' organized by Department of Architecture and Planning, IIT Roorkee under Quality Improvement Programme (QIP), from 26 -30 June 2017.

b. Presentation of Papers

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, organized by the Government of Himachal Pradesh, Institute of Public Administration (HIPA), Shimla, April 22, 2017.

Ashok Kumar

- Attended and made a presentation at the First Meeting of the Steering Committee on the 'UK-India Joint Network on Sustainable Cities' organized by National Institute of Urban Affairs, Research Council UK India, and Newton Fund at New Delhi. 7 November 2016.
- Delivered a Keynote address in the international conference titled 'Neo-International Conference on Habitable Environments (NICHE 2016)' organized by the Lovely Professional University, Phagwara, Punjab. 11-13 November 2016.
- Attended and presented a paper on the World Town Planning Day (8 November 2016) organized by Delhi Regional Chapter of the ITPI, New Delhi. 15 November 2016.
- Presented an invited joint paper as the key speaker in the plenary session of Sixty Fifth National Town and Country Planners' Congress organized by the ITPI, New Delhi held at Jodhpur 6 January 2017.
- Presented an invited joint paper as the key speaker in the plenary session of Sixty Fifth National Town and Country Planners' Congress organized by the ITPI, New Delhi held at Jodhpur 7 January 2017.
- Co-coordinated and presented a paper in Workshop on How to Publish Papers in International Journals organized by ITPI and Henley Business School on 10 January 2017.
- Presented an invited paper as the key speaker on 'Public Exclusion Points in a Global Smart City: A case of New Delhi', University of Reading, Reading, U.K., 8 February 2017.
- Presented an invited paper titled "From 'Policy Vacuum' To 'Policy Swell': Comprehending the Changing Nature of Urban Planning in Contemporary India" at the University of Chicago at Illinois, U.S. 5 April 2017.
- Presented a joint paper on "Comprehending Independent India's Planning Practice, 1947-2017", at The American Association of Geographers, Boston. 7 April 2017.
- Presented a joint paper on "Mapping the Planners of Contemporary India", at The American Association of Geographers, Boston. 8 April 2017.
- Delivered an invited lecture on the subject 'Strategy for the preparation of Inclusive and Environmentally Sustainable Human Settlement Plans in Participatory Mode' 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, Shimla. 22 April 2017.

Mayank Mathur

- Delivered as Key Speaker for National Seminar on Emerging Trends on Sustainable Urban Development, Amity School Of Architecture and Planning, Gwalior, 28 February, 2017.

- Delivered lecture at AICTE sponsored two week short term course under QIP on Infrastructure Development at MITS Gwalior, 15 to 25 March, 2017.

Rabidyuti Biswas

- Presented paper on Residential Typology and Water Management in Delhi in the International Congress of Environmental Research at Luebeck University, Germany on 28 July 2016.

c. Chairperson/Member of Panels

Mahavir

- Member, Selection Committee for the post of Deputy Director (GIS), NCR Planning Board, New Delhi, June 9, 2017.
- External Examiner for several Bachelor's, Master's and Ph.D. thesis at various institutes.

Ashok Kumar

- Panel discussant in a national collaborative workshop on "Smart Governance" in the 'Second India -Dutch Working Group Meeting on Urban Development', organized by Ministry of Urban Development and the Netherlands Embassy, New Delhi. 25 October 2016.
- Panel discussant on the subject "RSA India Strategy" in the Launch Seminar organized by Regional Studies Association – India Division, and National Institute of Urban Affairs, New Delhi. 29 April 2017.
- External examiner for several Bachelor's, Master's and Ph.D. thesis at various institutes.

Mayank Mathur

- Chaired a session for National Seminar on 'Emerging Trends on Sustainable Urban Development, Amity School of Architecture and Planning, Gwalior, 28 February, 2017.
- External Examiner for MURP Dissertation at the Department of Architecture, DCRUST, Murthal, 3 December, 2016
- External Examiner for M Plan 1st Year Integrated Planning Studio at SPA, Bhopal, 6 December, 2016
- Member of Recruitment Process for Faculty, Vice Chancellor Office, Jamia Milia Islamia, 24 March, 2017
- External Examiner for M Plan, Urban and Regional Planning Pre thesis Jury at SPA, Bhopal, 12 April, 2017
- External Examiner for M Plan studio at Department of Architecture and Planning, Gautam Buddha University, Greater NOIDA, 13 May 2017
- External Examiner for X semester Training Portfolios at Department of Architecture and Planning, Gautam Buddha University, Greater NOIDA, 17 May 2017

Rabidyuti Biswas

- Delivered Key Note Address and Chaired a session in the National Conference on Urban Environmental Management in India: Problems and Prospects, organized by MNIT Jaipur on 14 February 2017
- Invited speaker in the International Congress of Environmental Research on Water Policy and Water Management in India, in Luebeck University, Germany on 27 July 2016.
- Jury for Planning and design lab VI of planning students of SPA Vijayawada on 8 May, 2016.
- Examiner for Post Graduate Research Project of Central University of Technology, Free State, on Accessibility of Open Spaces in Urban Residential Areas of Bloemfontein City, South Africa, June - July 2016.
- Delivered lectures and examiner for the subject of Planning Techniques for Associateship Examination of ITPI, 2016, 2017
- Planning Pre -Thesis Jury for Under Graduate Students of SPA, Bhopal on 12 and 13 April 2017.
- Evaluation of M. Phil. Dissertation and Examiner for the Viva -voce of students of IIPA under APPPA programme on Solid Waste Management in Delhi : Issues and Challenges held on 19 April 2017
- External Jury for evaluation first year planning students in SPA, Bhopal, 11 May 2016.
- Examiner for M. Plan (URP) 2nd year 3 Semester, SPA Bhopal on 05 December 2016

Poonam Prakash

- Delivered Lecture on 'Prerequisites for Good Urban governance', Planning and Management of Urban Services , Training Programme for Overseas Professionals , at the Human Settlement Management Institute, Delhi, October 2016.
- External Jury Member for the studio subject (Land Use Planning - Zonal/Sub City level) for B. Plan III Year V Semester End Examination, 2016 in the Department of Planning, School of Planning and Architecture, Vijayawada.
- Keynote Speaker and Panelist, PG Interlude Conference, 2016, Srishti School of Design, December 2016
- Delivered Lecture on Forms of Participation in Planning and Development of Cities, as part of Training Programme on Planning and Management of Urban Services for Overseas Professionals, at the Human Settlement Management Institute, Delhi, January 2017.
- External Examiner for Stage I, Thesis, MURP, Sir Chotu Ram University, Murthal, January 2017.
- External Panel Member for Stage II-Semester Thesis Review of B. Planning, March 2017
- External Jury Member Vijaywada, IIT Kharagpur, Sharda University, I P University.
- Delivered Lecture on 'Nurturing Intra and Interpersonal Peace', CIET , NCERT, Delhi, June 2017.
- Presentation of Objections and suggestions for Zonal Plan – Zone D at Meeting of Board of Enquiry, DDA, May 2017.

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

Poonam Prakash

- Training Programme Master class for Independent Directors, organized by Institute of Directors, Delhi, November 2016

Priti Deo

- Attended one week international summer training course on 'Land Use/Land Cover Modeling and Prediction' organized by Department of Civil Engineering, MNIT Jaipur under Global Initiative of Academic Network (GIAN) from 4th - 8th July 2016.
- Attended one week training course on 'Urban Dynamics and Planning Techniques' organized by Department of Architecture and Planning, IIT Roorkee under Quality Improvement Programme (QIP), from 26 -30 June 2017.

Papiya Bandyopadhyay Raut

- Attended in one week training course on 'Urban Dynamics and Planning Techniques' organized by Department of Architecture and Planning, IIT Roorkee under Quality Improvement Programme (QIP), from 26 -30 June 2017.

Piyoosh Singh

- Attended one week international summer training course on 'Land Use/Land Cover Modeling and Prediction' organized by Department of Civil Engineering, MNIT Jaipur under Global Initiative of Academic Network (GIAN) from 4th - 8th July 2016.
- Attended one week short term course on 'Urban Dynamics and Planning Techniques' organized by Department of Architecture and Planning, IIT Roorkee under Quality Improvement Programme (QIP), from 26 -30 June 2017.

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

None

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

- Dr. Mandeep Singh, DOS
- Dr. Rabidyuti Biswas, Chairman
- Prof. Dr. Mahavir
- Prof. Dr. Ashok Kumar
- Dr. Mayank Mathur
- Dr. Poonam Prakash
- Ms. Priti Deo

External

- K. K. Joadder, Chief Planner, TCPO, Government of India
- Prof. Dr. Binayak Choudhury, SPA, Bhopal
- Prof. Dr. M. Parida, IIT Roorkee
- Prof. Dr. Shrawan Acharya, JNU, New Delhi
- Dr. Sudheshna Mitra, Indian Institute for Human Settlements, Bengaluru

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

- Prof. Dr. Rabidyuti Biswas, Chairman
- Prof. Dr. P.S.N. Rao, Coordinator, Joint DRC
- Prof. Dr. Mahavir
- Prof. Dr. Ashok Kumar
- Prof. Dr. Mayank Mathur
- Prof. Dr. Poonam Prakash

External

- Prof. Dr. Krishna Gowda, University of Mysore, Mysuru
- Prof. Dr. Balvinder Singh, Guru Nanak Dev University, Amritsar

24. Prominent visitors to the Department of studies

- Dr. Suzanne Speak, Newcastle University, U.K.
- Dr. Catherine Button, Newcastle University, U.K.
- Dr. David Rudlin, Manchester University and Director of URBED
- Dr. Dorina Pojani, Faculty in Urban Planning, University of Queensland, Australia

25. Details of activities under various MOUs during the reporting year

- Faculty and students from the Newcastle University, U.K. visited the Department of Physical Planning in February 2017. Joint field visit along with Bachelor of Planning students of SPA Delhi resulted in a half day workshop. Two lectures were also delivered by the faculty from the Newcastle University, U.K.
- MoU signed with DEI for collaboration in the education research related to Urban Planning and Management, Architecture and relevant fields .

26. Details of 'beyond syllabus scholarly activities' of the department:

Prof. Dr. Ashok Kumar edited 4 issues of the ITPI Journal and 4 issues of Planners' Newsletter both being published by ITPI, New Delhi. He also helped the School prepare the Annual Report 2015 -2016.

27. Any other information

- Plans are afoot to launch the *Five Year Integrated Master of Planning* programme by the Department. After securing appropriate approvals from within the SPA, New Delhi, the School is planning to contact the UGC for inclusion of this degree nomenclature in their notified list of degrees. Prof. Dr. Ashok Kumar has been instrumental in fructifying this longstanding endeavour of the Department.
- Prof. Dr. Ashok Kumar assisted the School in preparing a report for the establishment of New SPAs in India, which was submitted to the MHRD.
- Two students from Bachelor of Planning received award in a debate competition on Vigilance Awareness Week during 31 October to 5 November 2016
 - Second Prize – Riya Gupta , IV year B. Planning
 - Consolation Prize – Anunay Chowdhury, III year B. Planning

- Two students from B. Planning got Apoorva Rustagi Scholarship 2016
 - Charvi Gupta (BP, 4th Year)
 - Arpita Banerjee (BP, 3rd Year)

- Riya Gupta of IV year B achelor of Planning bagged the **first position** in Hindi Poetry Competition called ' छात्र कवि संगोष्ठी organized by the Hindi Samiti at IIT Delhi, at their fest - Rendezvous 2016.

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	Remarks if any
Priyaleen Singh	B.Arch.; Certificate Course on Conservation of Historic Towns, College of Engineering, Tuscany, Florence; M.L. Arch., M.A. Conservation Studies, University of York; Ph.D. University of York, U.K.	Professor and Head of the Department	Urban conservation, Cultural landscapes, Historic gardens	33	-
Nalini Thakur	B.Arch. ARC (ICCROM), M.A. Conservation Studies, University of York	Professor	Holistic and Interdisciplinary Approach, Integrated Management Plans, Responsible Protection and Management	37	Retired

Anuradha Chaturvedi	B.Arch.; M.A. Conservation Studies, University of York, U.K.	Associate Professor	Heritage Management, Sustainable Development, Cultural Landscapes	32	-
T. Lakshmi Priya	B.Arch.; M.Arch with specialization in Architectural Conservation, RRCH (ICCROM)	Assistant Professor	Conservation, Heritage Management	14	-

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
Priyaleen Singh	I	History and Theory of Conservation (Theory)	1
	II	Inter Department Elective (Theory)	2
	II	Conservation Studio (Studio)	8
	III	Conservation Studio (Studio)	9
	III	Cultural Landscapes and Regions (Theory)	0.4
Nalini Thakur	I	Conservation Studio (Studio)	10
	II	Heritage Law and Jurisprudence (Theory)	1
	III	New Paradigms (Theory)	2
	III	New Theories (Theory)	0.3
	IV	Theoretical Research Paper (Theory)	2
	IV	Conservation Studio (Studio)	9
Anuradha Chaturvedi	I	Foundation Course (Theory)	1
	II	Emerging Paradigms (Theory)	1
	II	Building Materials and Structural Systems II and Laboratory (Theory)	1
	II	Conservation Studio (Studio)	12
	III	Conservation Studio (Studio)	12
	III	National and International Heritage management Policies (Theory)	2
	III	Cultural Landscapes and Regions (Theory)	0.4
T. Lakshmi Priya	I	Management of Historic Building Systems (Theory)	1
	I	Conservation Studio (Studio)	12
	II	Integrated Urban Conservation (Theory)	1
	II	Cultural Landscapes (Theory)	1
	III	New Theories (Theory)	0.7
	III	Cultural Landscapes and Regions (Theory)	0.2
	III	Up gradation of Buildings for Reuse (Theory)	2

	IV	Conservation Management Seminar (Theory)	2
	IV	Conservation Studio (Studio)	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
Priyaleen Singh	IIInd Semester	Inter Department Elective (Theory)	2 hours per week
Anuradha Chaturvedi	IVth Semester	Department of Housing– Introduction to Historic Housing in Hill Areas	2 hours presentation
Nalini Thakur and Lakshmi Priya	First Semester July to December 2016 coordinate d by ID	Delhi: From the First City of “Indraprastha” to the Hall of Nations at Pragati Maidan The focus was on Heritage and the city of Delhi.	24 hours per semester
T. Lakshmi Priya	July to December 2016	4th year Dissertation of B. Arch student, School of Planning and Architecture, Delhi. on ‘Public-Private Partnerships in the field of Heritage Conservation’	2 hours per week

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	I	GIS Basic (Theory)	2
	II	GIS Advanced (Theory)	2
Sheela Bajaj	I	Oral Communication	0.5
Golak Bihari Khandual	I	Oral Communication	0.5
S.C. Malik	I	Foundation Course	1
Sangeeta Bais	I.	Building Materials and Structural Systems (Theory)	1
R.S. Jamwal	I	Building Materials and Structural Systems (Theory)	1
A Vijaya	I	Management of Historic Building Systems (Theory)	1
Poonam Prakash	I	Planning for Conservation	2
Satish Pandey	I	Conservation Lab (Theory)	1
Sanjay Bhardwaj	I	Conservation Studio(Studio)	7.5
	IV	Conservation Studio(Studio)	4

Deepika Saxena	I	Conservation Studio(Studio)	2
Richard Andre Barraud	I	Conservation Studio(Studio)	0.5
Sangeeta Bais	I	Conservation Studio(Studio)	4
Aishwarya Tipnis	II	Department Elective(Theory)	2
Shahena Khan	II	Conservation Studio(Theory)	4
B.M. Pande	II	Archaeology (Theory)	1
	IV	Conservation Studio(Studio)	1
Yaaminey Mubayi	III	Qualitative Surveys (Theory)	1
Mr. Vikram Lall	III	History Theory and Criticism(Theory)	2
Ms. Nina Rao	III	New Theories (Theory)	0.6
	IV	Conservation Studio(Theory)	1
Subha Banerji	III	Museology (Theory)	2
Shalini Dasgupta	III	Conservation Studio(Studio)	4
	IV	Elective Conservation of Historic Interiors (Theory)	2
Saumaya Tripathi	III	Conservation Studio(Studio)	8
Jayeeta Sen	III	Conservation Studio(Studio)	1
Neena Zutshi	IV	Theoretical Research Paper (Theory)	2
Anita Tikoo	IV	Conservation Studio(Studio)	4
Atiya Habeeb Kidwai	IV	Conservation Studio(Studio)	1

(b) Details of Special Lectures undertaken in the department

Name of the Visiting Faculty	Semester	Topic	Date
Ruknuddin Mirza	Ist and IIIrd	Status Built Heritage in Jharkhand and Efforts Under 13 th Finance Commission	19/10/2016
Swapna Liddle	Ist and IIIrd	“The Roots of Composite a Culture in the Historic Architecture of Delhi”	26/10/2016
Tapan Kumar Chakravarty	Ist and IIIrd	“The Historical and The Vernacular in Architecture”	02/11/2016
Anupam Mishra	IInd and IVth	TED Talk “To promote smart water management, preserve rural India’s traditional rainwater harvesting techniques	11/01/2017
Rima Hooja	IInd and IVth	Brief Introduction on Architectural History of Bikaner	12/01/2017
Oriel Prizeman	IInd and IVth	Developing Digital Tools for Conservation	17/02/2017
Rajesh Shukla	IInd and IVth	Study of the Ecological Relationship between Surajkund Anangpur Dham and the Aravalli Hills	15/03/2017
Susan Gole	IInd and IVth	The Idea of India in between Early European Maps	26/04/2017

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

Joint Interdisciplinary Studio for the students of the First Semester along with the Departments of Urban Design, Industrial Design and Landscape from July–December 2016 on “One Kos of Historic Delhi” From Indraprastha to Hall of Nations in Pragati Maidan”

9. 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: Interdisciplinary Joint Studio exercise Delhi: From the First City of Indraprastha to the Hall of Nations at Pragati Maidan	The theme “historic Delhi World Heritage City” is explored and experienced by the students. An area about “kos” length is taken up for study and analysis. The opportunity is to assess from a limited spatial perspective. To find out the true nature, quality condition and significance of the cultural and natural resources which give its unique identity and its contribution to the values as a historic city of the world. To find ways to “rediscover” historic Delhi for a sustainable future.	Indraprastha, one of the earliest cities belonging to the Mahabharata times located along the banks of river Yamuna, is an important component of the studio project. On ground the entire kos comprises the cultural resources from the sultanate times with modern / contemporary city which includes Firoz Shah Kotla, Purana Qila, Trade Fair grounds and the Hall of nations now demolished. The focus is on one “slice” of Delhi, measuring 1 kos around Purana Qila and Pragati Maidan – literally the Microcosm to Macrocosm – Delhi Heritage City.	Determining the cultural values of Indraprastha and its environs. The students documented heritage structures and complexes in the site. This includes detailed mapping, inventorying, measured drawings and condition mapping. Analysis to assess values, authenticity and integrity of the site and structures was undertaken. Proposals towards conservation of the structures, visitor amenities etc.
III Semester – Sustainable Heritage Conservation Management Strategy for the Cultural Landscapes of the Nainital ‘Lake District’, Uttarakhand	Enabling students to devise strategies for mainstreaming of the heritage resources of the historic hill station Nainital, within various development programmes of the State and Central Government.	Primary studies and surveys of the distinctive cultural landscape of the Historic Hill Station of Nainital and study of the cumulative impact of unplanned development activities and rapid expansion on the heritage resources.	Preparation of a Cultural Landscape Report including condition assessment and significance, valuation of the identified heritage resources, Formulation of strategies and a Heritage Resource Management Plan for the delineated section of the cultural

			landscape.
II Semester - Sustainable Urban Conservation and Regeneration Plan for the Historic Core of Bikaner, Rajasthan	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 Bikaner. Strategies for integration of urban conservation into planning procedures at the master plan level were devised, with detailed conservation intervention projects.	Historic towns such as Bikaner face recent 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 water harvesting structures, and loss of heritage resources	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, as well as infill design of new buildings, and revitalization of public open space systems, to infuse new life into the historic core area of Bikaner,

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

Roll No.	Name of the Student	Thesis Topic
AC/730	AAKRITI BHATNAGAR	Conservation Plan for Walled Town of Sangner
AC/731	AFIFA NUZHAT	Conservation Management of the Vernacular Residential Structures of the Temple town of Melukote , Karnataka
AC/ 732	TAMRAKAR ANITA	Conservation of a Traditional Newari Settlement Sankhu Post Earthquake Reconstruction , Kathmandu
AC/733	PARNANDI V. K. APARAJITA	Conservation Plan for Institutional Heritage in Waltair fort Area, Visakhapatnam
AC/734	ARYA S PRADEEP	Conserving the Extant Synagogues of Kerala
AC/735	VARMA CHAITANYA DEEPAK	Conservation of Seth Gangaram Chabildas Wada in Yeola, Maharashtra
AC/736	THATIKONDA NANDINI PRIYA	Conservation Strategies for Ramappa Temple Complex, Palampet, Warangal
AC/737	FERNANDES NOAH ANAND	Conserving the Cultural Landscape of Mandovi River in Goa
AC/738	SHAHIM ABDURAHIMAN M.	Conservation of the Early Mosques of the Malabar, Kerala
AC/739	SHUCHITA SINGH	Defining Historic Urban Core of Lucknow -A case study of "Hussainabad area"
AC/740	SIDDHARTH N. S.	Conservation of Residences of Historic Town Thalassery in Kerala

AC/741	SILPA THOMAS	Commonwealth Trust Factory Complex, Feroke, Kozhikode, Kerala
AC/742	SUNENA ABDUL HUQ	Conservation Plan for the Quilon Railway Property in Kerala
AC/743	VIDYASAGAR M.S.	Conserving the Agrarian Homesteads in Kanyakumari District
AC/744	YUSRA ANSARI	Conservation of the trading town of Nuh , Haryana

11. 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
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	
2014	Mugdha Maruti Yelkar	Heritage based sustainable community development	Prof. Nalini Thakur	
2013 Re-registered	Prafulla Janabada	The identification, classification and analysis of building stone in historical periods and remedies with particular reference to Indian Monuments	Dr. B.N. Tandon Nalini Thakur	Thesis submitted and awaiting defence

12. 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; Practice of Modern Architecture as seen through the practitioners, their design thinking and architecture.

13. Completed research projects in the department

None

14. Details of consultancy projects undertaken by the Department

Name of the Project	Thrust Area/ Faculty	Expected Outcomes	Total Fee (Rs. in lakhs)
Improved conservation interventions for historic Havelis in Shahjahanabad Ministry of Human Resource Development, New Delhi	Conservation Interventions; Anuradha Chaturvedi	Development of mobile application E-Conserve 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	16.25
Comprehensive Conservation Management Plan National Archives of India, New Delhi	Conservation Plan; Nalini Thakur and T. Lakshmi Priya	An Integrated Management Plan to guide all conservation and restoration works at NAI, New Delhi to 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.	22.72
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; Anuradha Chaturvedi	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
Design Innovation Centre Laboratory	Development of innovative products for improved conservation interventions; Anuradha Chaturvedi	Android phone app E-Conserve and website Heritage Help Online for enabling residents of historic Havelis in Shahjahanabad to take informed decisions regarding priority conservation interventions.	6.40
Conservation Laboratory	Scientific analysis and characterization of traditional and historic building;	Supports academic outcomes of Modules Ist and IInd Semester Modules on Conservation Science, Techniques and Technology. Also to be utilized for joint research project under India -	-

	Anuradha Chaturvedi materials	Italy Scientific and Technological cooperation programme.	
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15. Details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty.

Priyaleen Singh

- 'On conservation, Historic Gardens and Challenges in Conservation Practice', *Journal of Landscape Architecture*, Issue 48, 2016 pp. 22-27.
- 'Interpreting and Restoring an eighteenth century Rajput garden, Chokhelao Bagh, Jodhpur', *Journal of Landscape Architecture*, Issue 48, 2016 pp. 28-33.

Nalini Thakur

- 'Time Frames –Conservation Policies for 20th century Architectural Heritage', in Ugo Carughi and Massimo Visone (eds.) *Routledge Taylor and Francis Group*, London and New York 2017. The earlier e-book has been consolidated into a comprehensive volume and e-book.

16. Details of other publications made by regular faculty of the department of studies.

Priyaleen Singh

- 'Conservation of Historic gardens: Some issues and experiences' in Jain, Kulbhushan (ed.) *Conserving architecture*. AADI centre. Ahmedabad. 2016
- 'Sound and scent of monsoon in late seventeenth century gardens of Rajasthan' in D.D. Ruggles (ed.) *Sound and scent in a garden*. Dumbarton Oaks publication, Harvard University Press. 2017

Nalini Thakur

- "Women Architects in India" by Mary Woods published by Routledge Taylor and Francis Group. London and New York.2017
- "Women Architects and Modernism in India – Narratives and contemporary practices" by Madhavi Desai, part of Visual and Media Histories Series Edited by Monica Juneja, published by Routledge London and New York 2017

17. Faculty serving in

(a) National Committees

Priyaleen Singh

- Member, Selection committee, Sushant School of Architecture, Ansal University, Gurgaon
- Member, Board of Studies, School of Planning and Architecture, Vijayawada
- Member, Academic Council, School of Planning and Architecture, New Delhi

- Member, DRC, Dept. of Arch Conservation, School of Planning and Architecture, New Delhi
- Member, Moderation Committee, Department of landscape Architecture, School of Planning and Architecture, New Delhi
- Member, Research Project Committee, School of Planning and Architecture, New Delhi
- Member, Advisory committee for Architectural Heritage Division, INTACH
- Member, Selection Board for admission to Masters programme, Department of Arch Conservation, SPA, New Delhi.
- Member, Core group for preparation of National Disaster Management guidelines on Risk management of centrally protected monuments. NDMA, Govt of India.

Nalini Thakur

- Member of IGNCA's (Ministry of Culture) Programme Advisory Committee for its Cultural Informatics Laboratory (CIL), a Multimedia Research Centre, to develop skills and training in areas of traditional cultural expression .

Anuradha Chaturvedi

- Member of Expert Committee for introduction of PG course on 'Preventive Conservation' at Indira Gandhi National Centre for the Arts.
- 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
- Represented SPA at meeting of the Archaeological Survey of India CABA Sub-Committee on World Heritage on 22.2.2017
- Member, Academic Council, School of Planning and Architecture, New Delhi
- Member, Moderation Committee, Department of Urban Design, School of Planning and Architecture, New Delhi
- Member, Selection Board for admission to Masters programme, Department of Arch Conservation, SPA, New Delhi
- Member, Organizing committee for a n International conference to be organized by MOSAI (Monbusho Scholars Association of India) on India-Japan linkages, in 2018-19.

T. Lakshmi Priya

- Member of the Expert committee constituted for conservation and reuse of All India Radio Building, Broadcasting House, New Delhi
- Member of the Technical Assessment Committee for assessment of estimates and other matters related to different circles of ASI.

(b) International Committees

None

(c) Editorial Boards

Priyaleen Singh

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

Any Other

Nalini Thakur

- Member Technical Advisory Committee at “Indian Trust for Rural Heritage and Development
- Coordinator National Scientific Committee ICOMOS India for Theory and Philosophy

18. Exhibitions, Seminars or workshops organized by the students and faculty of the department

Exhibitions

Anuradha Chaturvedi

- Exhibition organized at SPA, New Delhi on occasion of Interaction with French Senate Delegation (Culture and Education Committee of the French Parliament) to SPA on 7 March 2017.
- Exhibition Panels on Design Innovation Centre projects at CII-IIT, Hyderabad Design Conclave on 29 and 30 June 2017

Seminars/workshops

Nalini Thakur

- Organized lecture on Islamic Architecture of Deccan by expert Dr. Navina Hyder sponsored by Deccan Heritage Foundation at India International Centre on 29th January 2017.
- Presided and steered the discussion after presentation by Prof Nadeem Ali Rezavi of Aligarh Muslim University on his interpretation of Aspects of Indian Islamic Architecture on 28th April 2017

Anuradha Chaturvedi

- One day seminar and exhibition organized as capstone event of Collaborative India – France International Studio Workshop with Ecole Nationale Supérieure d’Architecture de Paris, La Villette, France at Agra and Delhi 15th - 31st Jan, 2017 (Under MoU with ENSAPLV signed in 2015)

19. Seminars or workshops attended by the faculty of the department Prof. Dr. Priyaleen Singh

- Invited to present a paper on ‘Nature in the City: A case for conservation of Historic Gardens’ in International conference ‘The Future of Our Past: Conserving Historic cities in South Asia’ held at Coomaraswamy Hall, CSMVS, Mumbai on 16-17 Nov 2016.
- Invited to present paper on ‘From Restoration to revitalization: searching for the rationale for conservation of historic gardens’ in Green landscape Summit 2016 at IHC Delhi. 24 Nov 2016
- 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 MMR Heritage conservation society, Mumbai, 10 Feb 2017.

- Invited to speak on 'Conservation of historic gardens' at National conference on 'Biodiversity and Climate change: Conserving heritage' at Maharaja Agrasen College, New Delhi. 16th Feb 2017.
- Invited to be a speaker on 'Natural heritage conservation' in conference on Landscape architecture at SKN College of Architecture, Pune held on 28th Feb 2017.
- Selected to present paper on 'The weave of Natural and Cultural ecology: the historic temple town of Bhubaneswar' in International symposium 'Pre-industrial landscapes' held at Dumbarton Oaks, Washington D.C. 5-6 May 2017.
- Participated in 'Heritage Cities conference: sacred Geography of spiritual cities' organized by Ministry of Urban development and IHCN at IIC, New Delhi. 6-7 Oct 2016
- Attended book launch of 'Celebrating Public Spaces' by Foundation of the Indian Cities and Mapin Publishing at IHC, New Delhi. 12 October 2016

Nalini Thakur

- Made presentation "Majuli Island – Living Cultural Landscape approach towards a sustainable future" at a Conference on Sacred Geography of Spiritual Cities organized by IHCN, at India International Centre, Delhi on 6 October 2016
- Made presentation "National Framework for Heritage Sites in Northern Karnataka" at the International Round-table for Safeguard of Karnataka, organised by TKT and Catalytic Think Tank Bangalore on 21 October 2016
- Made a Presentation on "Integrated Management of Hampi World Heritage Site Karnataka at Training Course organized by Centre for Cultural Resources and Training in collaboration with Archaeological Survey of India on 26 November 2016. Training was for Deputy Superintending Archaeologists (DySA)
- Workshop "Inclusive Cities 2016" presented and participated in session on Creative Cities. 19th December 2016
- Key note Address- "Heritage Conservation in India – Practices and Challenges" at the Fifth Habib Rahman Memorial Lectures Series at Jamia Millia Islamia on 22nd March 2017
- "In search of Modern Indian Identity through the works of architect Jugal Kishore Choudhary" was panelist in the panel discussion held at Sushant School of Art and Architecture Ansal University, Gurgaon on 31 March 2017. The exhibition prepared by SPA Delhi was also displayed.
- Presentation on "Heritage Management and Tourism as Mainstream Economic Development" in Session: 'Challenges Heritage and Tourism' at "19th Arcasia Forum" held in Jaipur on 24th May 2017. ;
- Discussant for new publication at the Panel Discussion for "Conserving Architecture" edited by Kulbhushan Jain, at India International Centre on 13 June 2017.

Anuradha Chaturvedi

- Invited lecture on 'Documentation Methodology for Conservation', at Department of Architecture, NIT Hamirpur, 4th October, 2016
- Attended seminar on 'Enabling Policy Frameworks for Climate Resilient Cities' organized by TERI and Rockefeller Foundation at IHC, 8.7.2016

- Participated in CII-IIT, Hyderabad Industrial Design Conclave on New Product Development as representative of SPA-New Delhi Design Innovation Centre, 29th and 30th June, 2017
- Attended 6th Asia Pacific Ministerial Conference on Housing and Urban Development 'Emerging Urban Forms – Policy Responses and Governance Structure in the Context of the New Urban Agenda' at Vigyan Bhavan, 15-16 December 2016
- Conference on 'Integration of Solar from Buildings to Cities' organized by the Department of Environmental Planning, SPA, New Delhi on 16 February 2017
- Conference on 'Up-scaling Green Building at the City level' organized by the Department of Environmental Planning, SPA, New Delhi on 27 March 2017
- Attended panel discussions on 'Expanding Vision for Best Practices in Museums' at National Museum on 18th May 2017
- Attended ACCCRN (Asian Cities Climate Change Resilience Network) Webinar on 'Strategic Resilience Assessment (STRESS) Methodology on 31st May 2017.

T. Lakshmi Priya

- Invited to give a lecture on "Conservation of Built Heritage" on 5th August 2016, in College of Engineering Trivandrum on
- Gave a special lecture on "Heritage Management in India" for the Officer Trainees of the Indian Revenue Service at the National Academy of Customs, Excise and Narcotics, Faridabad, on 22nd December 2016.
- Participated in a 2 -day Workshop on the "Challenges of Architectural Conservation in India" organised by the Alumni of the Department of Architectural Conservation, School of Planning and Architecture, New Delhi on 10th and 11th February 2017.
- Participated in the capacity building workshop 'Socio-Economic Sustainability of HRIDAY City Projects' organized by MoUD, in New Delhi on 15th March 2017.
- Attended the Swatchgraha event and exhibition at National Archives of India on 10th April 2017

20. Courses and training programs of more than one week attended by the faculty of the department

None

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

Nalini Thakur was felicitated by the Alumni of Architectural Conservation Department in Delhi at India International Centre on 11 February 2017 by the faculty over 25 years accompanied by a Workshop on Architectural Conservation Education on 10 and 11 February 2017.

22. Internal and external members of the Board of Studies

Internal Members

- Priyaleen Singh, Chairperson
- Nalini Thakur
- Anuradha Chaturvedi

- T Lakshmi Priya

External Members

Prof. A. G. K. Menon, ,
INTACH Delhi Chapter

Prof. K. B. Jain
Senior Architect

Prof. R. C. Agrawal
Retired Director, ASI
President, Rock Art Society of India

Ar. Divay Gupta
Architectural Heritage Division
INTACH

23. Internal and external members of the Departmental Research Committee

Internal

Priyaleen Singh
P.S.N. Rao
Nalini Thakur

External

Dr. Partho Datta, Historian

Prof. R.C. Agrawal
Retired Director, ASI
President
Rock Art Society of India

24. Prominent visitors to the department of studies

Dr. Oriel Prizeman from Cardiff University, U.K.
Dr. Susan Gole, U.K.

25. Details of activities under various MOUs during the reporting year

None

26. Details of 'beyond syllabus scholarly activities' of the department

Priyaleen Singh

Peer reviewer for 'Conservation work carried out at Guru Teg Bahadur hospital, Amritsar' for INTACH, 23 September 2016.

Nalini Thakur

Conducted the City Heritage Walk “Rediscovery of the Palace of the Last Mughal Bahadur Shah Zafar at Mehrauli” for a local group of SPA Alumni on 4 December 2016

27. Any other information

Priyaleen Singh

- Peer reviewed two articles for Thaap Journal, Lahore, Pakistan.
- External Examiner for Ph .D. student Meghal Arya on ‘Embedded knowledge in Architecture, the water structures of Arid India’ at CEPT University, Ahmedabad, 20 Oct 2016
- Evaluator for QE paper for doctoral student Ms . Seemantini Chaplakar, New Doctoral programme, CEPT University, Ahmedabad. 15 November 2016
- Evaluator for proposal on ‘Vernacular Architecture’ by INTACH for HSMI, HUDCO grant. 18 May 2017

Anuradha Chaturvedi

- Participated in research bid for AHRC GCRF Area Focused Network proposal on ‘Building a SMART heritage approach to sustainable urban development of smart cities in developing countries’ with School of Architecture and Built Environment, Nottingham Trent University, U.K.
- External Examiner of M.Arch (Sustainable Architecture) thesis at NIT, Hamirpur, 4 October 2016
- Organised Heritage Walk in Shahjahanabad and preparation of Heritage pamphlets by DIC team volunteers, Bharti Sikri, Shabeeb Bilgrami and Karishma Sehgal, for Faculty and students of ENSA, Paris-La Villette, France on 28 January 2017
- Inspection and Photo-documentation of Lala Hardayal Memorial Library building for preparation of proposal for DDA heritage cell, 1 July 2016
- Contributed photographs for articles on ‘Gardens of Kashmir, Architecture of Kashmir, Growing Water -lilies, Vertical Gardens, Baobab trees’ e - published by Scroll.in April, May, June 2017
- Collaborative India – France International Studio Workshop with Ecole Nationale Supérieure d’Architecture de Paris, La Villette, France at Agra and Delhi, from 15 to 31 January 2017.

T. Lakshmi Priya

- Peer Reviewer of ongoing Conservation Works at Abdur Rahim Khan -i-Khanan’s Tomb, New Delhi

DEPARTMENT OF BUILDING ENGINEERING AND MANAGEMENT

1. Name of the Department

Department of Building Engineering and Management

2. Names of academic programs offered by the Department

- Masters of Building Engineering and Management
- Ph.D.

3. Year of establishment of the Department

1979

4. Faculty profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Years of Experience	Remarks, if any
Virendra Kumar Paul	B. Arch., M.B.E.M., Ph.D.	Professor and Head of Department	Quality Management Systems; Functional Performance of Buildings; Fire Safety	28	-
Salman Khursheed	B. Tech. (Civil), M.Tech. (Civil)	Assistant Professor	Construction Technology; Structural System and Design; Project Procurement Management; Project Cost and Contract Management	18	-

Abhijit Rastogi	B. Arch., M.B.E.M.	Assistant Professor	Project Planning and Scheduling; Building Services; Infrastructure Development and Management; Real Estate Management	06	-
Chaitali Basu	B. Arch., M.B.E.M., M.Sc. Business Management	Assistant Professor	Project Planning and Scheduling; Building Services; Functional Performance of Buildings; Disaster Resilient Project Planning and Reconstruction	08	-

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	2
	III	NIL	-
	II	Project Seminar –I (BEM-10)	4
		Fire and Safety (BEM-E1)	2
	IV	Quality Management System (BEM-22)	3
Thesis (BEM-25)		4	
Salman Khursheed	I	Project Planning and Scheduling (BEM-5)	2
		Construction Technology (BEM-4)	4
	III	Laws and Regulations in Construction Industry (BEM-18)	1
		Project Management - III (Bem-17)	1
		Real Estate Management (BEM-16)	2
		Project Seminar-II (BEM-20)	6
	II	Project Cost and Contract Management (BEM-9)	4
		Structural System and Design Process (BEM-1)	4
		Project Seminar-I (BEM-10)	2

	IV	Thesis (BEM-25)	6
Abhijit Rastogi	I	Project Planning and Scheduling (BEM-4)	1
		Project Planning and Scheduling (BEM-5)	4
		Functional Performance of Buildings	2
	III	Project Seminar – II (BEM-20)	3
	II	Project Cost and Contract Management (BEM-9)	4
		Infrastructure Project Construction Management (BEM-E-)	2
		Infrastructure Development and Management (BEM-E1)	2
	IV	Quality Management (BEM-22)	2
Thesis (BEM-25)		6	
Chaitali Basu	I	Project Planning and Scheduling (BEM-5)	4
		Functional Performance of Buildings	3
	III	Project Seminar – II (BEM-20)	3
	II	Project Cost and Contract Management (BEM-9)	4
		Project Seminar – I (BEM-10)	2
	IV	Quality Management (BEM-22)	3
		Professional Practice (BEM-23)	1
		Thesis (BEM-25)	6

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

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
Shri Jag Mohan Lal	Second	Project Cost and Contract Management(BEM-8)	1
	Second	Project Cost and Contract Management(BEM-9)	2
Dr. Kuldip Chander	Third	Real Estate Management (BEM-16)	2
		Project Seminar – II (BEM-20)	6
	Fourth	Thesis (BEM-25)	6
Shri Manish Jain	First	Project Planning and Scheduling (BEM-5)	4
	Second	Project Seminar – I (BEM-10)	4
Shri Manoj	First	Project Planning and Scheduling (BEM-5)	4

Kumar Mittal	Second	Project Cost and Contract Management(BEM-9)	2
		Structural System and Design Process (BEM-7)	2
	Fourth	Professional Practice (BEM-23)	2
Dr. Marisha Sharma	Fourth	Electives Environmental (BEM-24)	
Neelakshi Srivastava	First	Project Planning and Scheduling (BEM-5)	2
Pallav Aggarwal	Third	Real Estate Management (BEM-16)	3
Dr. Pawan Kumar Taneja	First	Financial Management (BEM-24)	2
	First	Quantitative Methods and Operation Research (BEM-6)	2
	Fourth	Financial Management (BEM-24)	2
Dr. P.C. Jain	First	Building Services (BEM-3)	1
Ms. Preiti Juuneja	Third	Human Resource Management (BEM-1)	3
Richa Gupta	First	Project Planning and Scheduling (BEM-5)	2
Ms. Rama Pisharody	First	Project Planning and Scheduling (BEM-5)	4
	Second	Project Cost and Contract Management(BEM-9)	2
	Fourth	Professional Practice (BEM-23)	2
Major Gen. T.S. Sidana	Second	Project Seminar – I (BEM-10)	4
		Project Cost and Contract Management(BEM-8)	1
Shri Vijay Kumar Sharma	First	Construction Technology (BEM-1)	2
	Second	Project Cost and Contract Management(BEM-8)	2
		Project Cost and Contract Management(BEM-9)	6
	Fourth	Professional Practice (BEM-23)	2
Shri V.D. Dewan	Third	Laws and Regulations in Construction Industry (BEM-	
Dr. V. Thiruvengadam	First	Project Planning and Scheduling (BEM-5)	2
	Third	Project Seminar (BEM-20)	6
	Fourth	Thesis (BEM-25)	6
Shri Yogesh Tyagi	Third	Real Estate Management (BEM-16)	2

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

Nil

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

Nil

9. 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 Management-I	Planning and Scheduling of Case Studies	<ul style="list-style-type: none">• High rise Residential Towers in Noida• International School in, Chanakyapuri, New Delhi• Group Housing Complex in Meerut• District Court Complex, New Delhi• 5-Star Hotels in Theog, Shimla, and Gurgaon	Scheduling of Activities and Resources of the Case Study in MSP
Construction Technology	Evaluation of construction technologies adopted in the case study projects		Critical analysis of technologies carried out and their selection validation
Project Management-II Project Management-III	Project Cost Management Evaluation of procurement management processes of case study projects		Financial evaluation of project costing. Procurement processes analyzed and alternatives considered for their suitability.

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

Roll No.	Student's Name	Thesis Topic
BEM/631	Akash Singh	Challenges In Resource Planning And Impact Of Preparatory Activities On Project
BEM/632	Akhila R Pillai	Root Cause Analysis Of Cost Overrun In Building Projects
BEM/633	Akshay Dhar	Service Life And LCC Analysis Of Non-Structural Building Components
BEM/634	Aman Saini	Paradigm Shift In Real Estate Project Development Due To Emerging Statutory Regime
BEM/635	Anita Susan Varghese	Project Performance Measuring And Forecasting: Through Extended EVMs
BEM/636	Anurag Biswas	Peak Load Reduction Through Improved Building Envelopes

BEM/637	Bhavna	Six Sigma Application In Mechanized Operation In Building Construction
BEM/638	Gaurav Bajaj	Performance Evaluation Of Lighting Control Systems In Intelligent Buildings
BEM/639	Harsh Vardhan Jakhar	Stochastic Modelling For Real Estate Investments
BEM/640	Jaskirat Singh	Managing Project Complexity
BEM/641	Kumud Ranjan Jha	Development Of Spatial Planning Tool For A Teaching Hospital
BEM/642	Mahdi Ahmadi	Application Of Risk Failure Mode And Effects Analysis In Construction Project For Risk Prioritization
BEM/643	Mathew Wilson	Rating Framework For Reith Portfolios In India
BEM/644	Mohd. Nasim	Change Management In Design Build Project
BEM/645	Nayantara H	Risk Mitigation Strategies For Improvised PPP Model For National Highways In India
BEM/646	Nikhil Sharma	Management Of Disputes and Claims In The Construction Industry
BEM/647	Nilina Elizabeth Shaji	Productivity Implications Of Various Workspace Design Trends
BEM/648	Pallavi Yadav	Shelter in Place Evacuation Design for Hospitals in India
BEM/649	Priyanka Bhanwariwal	Cost Of Delay Of Transport Infrastructure Projects In India
BEM/650	Puneet Garg	AEC Industry Readiness for Building Information Modeling (BIM) in India
BEM/651	R. Lallawmkima	Environmental And Technical Constraints In Construction Projects In Hilly Areas
BEM/652	Rahul Khalkho	Structural Fire Audit Of Existing Buildings
BEM/653	Rosy Rani	Lateral Force Resistant Designing of 40 Storey RCC Residential Building and the Comparative Analysis of Wind and Earthquake Forces in India
BEM/654	Rounak Sen	Critical Chain Management For Improving Construction Project Performance
BEM/656	Siddhant Jain	Risk Based Financial Analysis Of Construction Projects
BEM/657	Sinduri Kesherwani	Comprehensive Sustainability Index Of Built Form
BEM/658	Soham Sen	Comparative Study Of Floor Systems For Office Buildings
BEM/659	Tauseef Ahmad	The Real Estate Cycles And Its Viability In India
BEM/660	Tejaswita Raj	Framework For Proactive Delay Analysis For Initiation Of Delay Prevention Mechanism
BEM/661	Vaibav Gaikwad	Decision Matrix For Project Delivery System Selection For

		Housing Projects
BEM/662	Varinder Kaur Hunjan	Risk Evaluation In Fast Track Construction Projects
BEM/663	Vikas Sunil Naik	Smoke Management In Tall Residential Buildings
BEM/664	Srividhya V.S.	Project Planning and Financial Analysis for Redevelopment of Housing
BEM/627	Saikat Chatterjee	Entrepreneur Start up Risk In The Realty Sector
BEM/610	Gourab Govinda	Distressed Construction Projects: Restructuring And Indian Market Prospects

11.Details of the thesis topics being researched by the docto ral students in the Department

Year of Enrollment	Name of the Student	Thesis Topic	Name of the Research Supervisor	Remarks if any
2013-14	Deepak Saigal	Study of Cost Overruns in Hydro Power Projects for Developing Model for Realistic Cost Prediction	Prof. Dr. Virendra Kumar Paul	Part Time
2013-14	Sanjay Pant	Development of Approach For Comprehensive Building Regulatory Process in India for Ensuring Structural Safety of Building against Earthquakes	Prof. Dr. Virendra Kumar Paul	Part Time
2014-15	Chaitali Basu	Building Performance Evaluation for Energy Efficiency Retrofitting of Residential Buildings	Prof. Dr. Virendra Kumar Paul	Part Time
2016-17	Yash Kumar Mittal	Performance Cost of Delays in Infrastructure Projects	Prof. Dr. Virendra Kumar Paul	Full Time
2016-17	Gopikrishnan Seshadri	A FM Implementation Model for User Satisfaction in Residential Buildings of Government Sector.	Prof. Dr. Virendra Kumar Paul	Part Time
2016-17	Ganesh Krishna Chaukiyal	The Diagnostic Study of Parameters of Airport Projects Contributing Toward Cost and Time Overruns During Planning and Execution Stages	Prof. Dr. Virendra Kumar Paul	Part Time

12.Research thrust areas of the Department

- Fly Ash Utilisation in Indian Construction Industry
- Fire and Life Safety in Buildings

- Healthcare Space Planning
- Institutional Building Space Planning
- Energy Efficiency and User-satisfaction
- Vetting of Structural Designs and DPRs

13. Completed and ongoing research projects in the Department (during this year):

Name of the Project and Sponsoring Agency	Name of Team Leader/Faculty	Thrust Area/Expected Outcomes	Total Grant/Fee (Rs. in Lakhs)
Study of challenges in Fly Ash utilization and Development of Proposal for Promotional Initiatives funded by National Thermal Power Corporation (NTPC), India (<i>ongoing</i>)	V.K.Paul, Abhijit Rastogi, 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' with respect to Green and Sustainability Parameters" – Demonstration Housing Project at Bhubaneshwar funded by Building Materials and Trade Promotion Council (BMPTC), India (<i>ongoing</i>)	V.K.Paul, Abhijit Rastogi, Salman Khursheed	Applicability of EPS Core panel for mass housing	2.5
Design Innovations Centre (DIC)- B-FIRE (Building Fire Risk Evaluation) funded by Ministry of Human Resource Development, GoI (<i>completed</i>)	V.K.Paul	Mobile application for fire safety audit tool – B-FiRE	5
Web based tool, SAMIDRIP for Disaster Risk Mitigation and dissemination of information for masses funded by Government of Bihar, India (<i>completed</i>)	V.K.Paul	Web-based tool for flood preparedness	-
HUDCO Chair activities for Capacity Building Initiative for Urban Local Bodies and Governmental Agencies in Collaboration with School of Planning and Architecture, New Delhi funded by Housing and Urban Development Corporation, India (<i>completed</i>)	V.K.Paul, Chaitali Basu	Manual for Project Time Management	-

14. 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 Consultancy Fee (Rs. in Lakhs)
Life and Safety Audit of National Institute Of Tuberculosis and Respiratory Diseases, Sri Aurbindo Marg, Mehrauli, New Delhi (<i>ongoing</i>)	Prof. V.K Paul Salman Khursheed	Structural and Fire Safety Audit of the Hospital complex and recommendation	5
Third Party Vetting of DPR of Multipurpose Sports Complex at Dharwad, Karnataka funded by Oil and Natural Gas Corporation of India	Prof. V.K Paul Salman Khursheed	Vetting of DPR of the proposed complex	2

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

- Singh, A, Basu, C (2017). Energy Audit Procedures. International Journal of Architecture and Infrastructure Planning eISSN: 2456-0154 Vol. 3: Issue 2.
- Pandita, S, Basu, C (2017). Thermal Comfort Indices. International Journal of Environmental Planning and Development Vol. 3: Issue 2.
- 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
- Gopikrishnan, Sheshadari; Paul, V. K. (2016); 'User requirement related performance attributes for government residential buildings'. Journal of Facilities Management.
- Paul V.K. and Seth, V. (2015) Benchmarking and Objective Selection of Technologies for Housing in India using QFD. Journal of Construction in Developing Countries.
- Paul, V.K., Basu, Chaitali (2015) 'Scenario Planning and Risk Failure Mode Effect and Analysis (RFMEA) based Management'; Journal of Construction Engineering and Project Management.
- Rastogi, Abhijit, Gupta, Neeraj, (2015), 'A Comprehensive Framework for Selecting Building Envelope Materials Using Analytical Hierarchy Process as Decision Making Tool For Energy Efficient Building Design – A Case Study of Hostels at Central University Of Rajasthan' - Page No. - 99 – 114, "Built Environments - Exploring Liveability in Tangible Spaces" ISBN: 978-81-9311-020-1

16. Details of other publications made by regular faculty of the Department

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

- Priyadarshini, M. and Basu, C (2017). Evaluation of Energy Efficiency Retrofitting Models for Residences; Energy Savings Vs Investment Payback. Conference Proceedings at International Conference on 'Futuristic Trends in Architecture' September 14 – 16, 2017, Sharada University, Greater Noida.
- Paul, V.K., Bose (2016), Tirathraj; Govinda Gourab; Pal Sanidhya K.; Jagada Dhanraj; 'Fire Safety Assessment Tool for Risk Assessment'; Paper presented at the International Conference on Fire Safety and Fire India Exhibition at Mumbai on September 9, 2016.
- Paul, VK, Basu, C (2016). India needs 12 lakh trained plumbers by 2020. ACE Update Magazine. July 2016 Special Edition on Plumbing.
- Rastogi, A (2016) "Water Management"; Paper presented in national Workshop on Water and Wetland: Looking for Smart Solutions , Organised by MDS University, Ajmer
- Paul, V.K., Seth Varun (2015); "Benchmarking and Technologies for housing in India" Published In BMPTC Publication, 2015

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

(a) National Committees

Virendra Kumar Paul

- 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 -2005 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
- Chairman of Curriculum Committee, Indian Plumbing Skills Council
- Member, Consultancy Evaluation Committee and Jury constituted by Ministry of Health and Family Welfare, Government of India, for selection of Consultants for 3 - AIIMS projects
- Member of the Committee, constituted in the Ministry of Health and Family Welfare, Government of India, to prepare Guidelines for Fire Safety in Healthcare Facilities in India. Prepared 'ACTION PLAN FOR FIRE and LIFE SAFETY IN HEALTH CARE FACILITIES' as a part of the Sub-committee.
- External Expert Member for the approval of DPRs of 11 National Institutes of Importance by the Ministry of Human Resource Development, Government of India.

Abhijit Rastogi

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

- Member, School Board, Community College (Interior Design Programme), Central University of Rajasthan, Kishangarh

(b) International Committees

None

(c) Editorial Boards

None

(d) Any other

Virendra Kumar Paul

- Registered with Council of Architecture.
- Associate Member, Indian Institute of Architects.
- Life Member, Indian Plumbing Association.
- Honorary Member, Fire and Security Association of India.
- Fellow, Institute of Hospital Engineering
- Fellow, Royal Institute of Chartered Surveyors

Chaitali Basu

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

Abhijit Rastogi

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

Salman Khursheed

- Member Indian Association Of Structural Engineers
- Associate, Institution Of Valuers

18. 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.

19. Seminars or workshops attended by the faculty of the Department

None

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

Short term course on Data Analysis for Research and Publication held from 10 - 11 December 2016 at IIT Roorkee.

21. Awards or recognitions received at the national and international level by the the faculty and students:

Nil

22. Internal and external members of the Board of Studies:

Internal

- Prof. Dr. Virendra Kumar Paul, Head, Department of BEM, SPA, Delhi

External

- Dr. Mahua Mukherjee, Associate Professor, Department of Architecture and Planning, IIT, Roorkee
- Prof. K. C. Iyer, Professor of Department of Civil Engineering (Construction Management) IIT, New Delhi
- Prof. Dr. V. Thiruvengadam, Former Head, Department of BEM, SPA Delhi.
- Shri A.R. Ramanathan, 51, Nilgiri Apartments, Alaknanda, New Delhi.
- Shri M.P. Naidu, Project Director, L and T Metro Rail (Hyderabad) Ltd., Hyderabad

23. Internal and external members of the Departmental Research Committee

Internal

- Prof. Dr. Virendra Kumar Paul, Professor and Head, BEM SPA, Delhi.

External

- Prof. Dr. Mahtab Alam, Professor of Civil Engineering, Jamia Millia Islamia
- Prof. Dr. K.C. Iyer, Professor of Civil Engineering, IIT, Delhi.

24. Prominent visitors to the Department

Visit to the Department on 1 March 2017 by eminent alumni and Professor Dr. M.G. (Matt) Syal, from Construction Management Program, School of Planning, Design and Construction, Michigan State University, USA.

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

Nil

26. Details of 'beyond syllabus scholarly activities' of the department

None

27. Any other information

Under Design Innovation Center funding program of MHRD, preparing an Android and Web based application, based on the academic research: "**Fire Safety Audit Tool**"

Patents Filed as Innovator by Prof. Dr. Virendra Kumar Paul

- Squatting Water Closet
- Passive Radiation and Flame Protection System for Building Compartment and Façade

DEPARTMENT OF ENVIRONMENTAL 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

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Number of Years of Experience
Meenakshi Dhote	B. Arch , M.L.A, Ph.D.	Professor of Environmental Planning	Urban Biodiversity, Eco-Sensitive areas, Environmental Information System	31
Neha Goel Tripathi	B. Arch. M. Plan (EP), Ph.D.	Assistant Professor of Environmental Planning	Low Carbon Cities, Climate Change, Environmental Management	14

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
		Subject	
Meenakshi Dhote	II	EP Design Studio (Mathura)	6
	III	EP Design Studio (Aurangabad)	9
	IV	Environmental Planning Thesis	3
	II	Environmental Impact Assessment	1
	III	Advanced Environmental Impact	1

		Assessment	
		Ph. D. Guidance	
Neha Goel Tripathi	II	EP Design Studio (Mathura)	6
		Environmental Impact Assessment	1
		Resilient Cities	2
	III	EP Design Studio (Aurangabad)	6
		Environmental Protection and Management	2
	IV	Environmental Planning 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
Meenakshi Dhote	I	Housing and Environment	1
	I	Integrated First Semester Studio	3
Neha Goel Tripathi	I	Housing and Environment	1
	I	Integrated First Semester Studio	5

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
Prof. A.K. Maitra, Visiting Professor	I and III	Theory- Housing and Environment Advanced EIA EP Studio	12
Shri B.K. Jain Former Additional Commissioner Planning, DDA	III and IV	EP Planning and Design Thesis EP Studio	9
Shri Bharat Bhushan Former Director Ministry of Environment and Forests	III and IV	EP Studio EP Planning and Design Thesis	6
Ms. Anita Tikoo	II, III and IV	Theory of Environmental Design EP Studio Seminar on Emerging Environmental Issues	10
Dr. Prabh Bedi	II and IV	EP Planning and Design Thesis GIS Lab	6

	III	Environmental Planning and design Studio GIS Lab	6
Shri R.P. Bansal	III	Planning Legislation	3
Prof. H.B. Singh	III	EP Studio	3
Dr. T.R. Manoharan	III	Environmental Economics and Environmental Auditing	3
Sh. Ishwar Singh	III and IV	Environmental Legislation EP Planning and Design Thesis	3
Dr. Faiyaz Khudsar	IV	EP Thesis	3
Ms. Barsha Poricha	IV	Seminar on Emerging Environmental Issues	3
Shri Rajiv Malhotra	IV	EP Thesis	3
Shri S. Khodanker	IV	EP Studio	3
Sh. M.L. Chotani	IV	EP Thesis Planning Legislation	3
Dr. Shipra Maitra	IV	Financing and Management of Environmental Projects	3
Dr. Malti Goel	IV	EP Planning and Design Thesis	3
Dr. Ambika Sharma	IV	EP Planning and Design Thesis	3
Shri Ajay Raghava	IV	EP Planning and Design Thesis	3
Dr. Marisha Sharma	II	Environmental Impact Assessment	2
Ms. Gunjan Jain	II	Theory of Environmental Planning	1
Dr. P.K. Behera Central Pollution Control Board Parivesh Bhawan, Delhi	II	Environmental Monitoring and Assessment (Theory) Environmental Monitoring and Assessment (Laboratory)	2 2

(b) Details of Special Lectures undertaken in the department

S. No.	Name	Title
1.	Dr. Mohammad Fahimuddin, DHI Water and Environment, New Delhi	Hydrology of River Yamuna
2.	Dr. Shiraz Wajih, President of Gorakhpur Environmental Action Group	Climate Resilient City Planning; case of Gorakhpur, UP
3.	Ms. Jasprit Kaur Environmental Planner	Framework for Climate Sensitive Planning
4.	Ms. Barsha Poricha Director, national Foundation for India, new Delhi	Water Sensitive Planning

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. 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
EP Design Studio (Third Semester)	<ul style="list-style-type: none"> - To conserve and protect the scarce water resources in the region and promote it's sustainable use - To facilitate economic development of the region by promoting resource-based industries that are less water consuming and with emphasis on industrial ecology 	The study focused on the Environmental; Management Plan for Aurangabad District with focus on Water management and Industrial Ecology.	Environmental Management Plan for Aurangabad, Maharashtra with proposals at Policies, Plan, and Project level with water management strategies and models for promoting industrial ecology.
EP Design Studio (Second Semester)	<ul style="list-style-type: none"> -To study Mathura with respect to aspects impacting the environment of river and city. -To identify critical zones with respect to natural resources, cultural heritage, infrastructure and pollution. -To formulate strategies for critical zones resulting in environmental improvement projects 	The studio exercise focused on preparation of Environmental Improvement Plan for Mathura, with focus on River Ecology.	Environmental Improvement Plan for Mathura 2027, through regulation of socio-cultural activities and augmentation of infrastructure, and thereby, contributing to the improvement in the ecology of river Yamuna.

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

Roll No.	Student	Thesis Topics/ Areas
SPA/NS/EP/311	Amalendu Bhuyan	Examining adequacy of Legislative framework for Conserving Wetlands case study-Deepor Beel- Guwahati.
SPA/NS/EP/313	Anita Mandal	Water Management for Faridabad City.
SPA/NS/EP/314	Arathy S Darsan	Community resilience and adaption against tidal flooding in Delta Islands: Munroe island, Kerala.
SPA/NS/EP/315	Arati Sahoo	Planning for a Climate Resilient City – Bhubaneswar.

SPA/NS/EP/316	H. Nivedita Varma	Integrated planning for Marine Biosphere Reserves.
SPA/NS/EP/317	Kanika Narwal	Strategies for Smart Energy development Planning for a rural area. Study area- Ishrana Block in Panipat District.
SPA/NS/EP/318	Naman Gupta	Sector level Planning Guidelines for achieving Energy Efficiency, Case study Noida City.
SPA/NS/EP/319	Nidhin Davis K	Planning for a Carbon Neutral District using carbon Footprint analysis. Case study: Wayanad District.
SPA/NS/EP/320	Raghvi Sharma	Strategies for Environmental Improvement of walled city, Jaipur
SPA/NS/EP/321	Addanki Rahul Khanna	Integration of Renewable Energy in Cities- Case study Gachibowli, Hyderabad.
SPA/NS/EP/322	Ravi Singh Beniwal	Climate responsive water management for Bhiwadi (Rajasthan)
SPA/NS/EP/323	Saksham Gupta	Impact of Transit Oriented Development on Environment: Case study Karkodama, Delhi.
SPA/NS/EP/324	Souluck Kundu	Environmental Guidelines for Rajarhat- New town Masterplan with respect to East Kolkata Wetland
SPA/NS/EP/325	Udip Pran Das	Impact of Human Interventions on Natural Ecosystem Case study Haldwani- Rudrapur

11. 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
2008-2009	Rina Surana	Water Resources and Development of Human Settlements: The case of Udaipur, Rajasthan	Prof. Dr. Meenakshi Dhote and Prof. Shovan K Saha
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 and Dr. Prabh Bedi
2016-17	Jayeeta Sen	Instruments for mainstreaming Biodiversity in to urban planning	Prof. Dr. Meenakshi Dhote

2017-18	Neha Sarwate	Institutionalization of Environmental Zoning	Prof. Dr. Meenakshi Dhote
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12. 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

13. Completed and ongoing research projects in the Department

None. However, the department has research facilities – as mentioned below – to serve research interests of the Department and School.

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"> Website on Environmental Information of Human Settlements Updation of Environmental Information on Human Settlements – Documentation of smart cities, preparation of monographs, newsletters, kids games on sustainable settlements 	Ongoing Rs. 13.54 Lakhs annually
Centre for Climate change	Climate change, Human settlements, climate responsive planning, low carbon cities	<ul style="list-style-type: none"> Dedicated research in this area to strengthen the requisite knowledge base Mainstreaming climate responsive approach in planning and design of Human Settlements. 	

14. Details of consultancy projects undertaken by Department

Name of Faculty	Name of the Project	Funding Agency	Grant Received (Rs. In Lakhs)
Meenakshi Dhote	Zonal Master Plan for Mount Abu Eco-Sensitive Zone	Town Planning Department, Government of Rajasthan	17
Meenakshi Dhote	Rejuvenation of Water Bodies in	Delhi Cantonment Board	-

	Delhi Cantonment		
Neha G. Tripathi	Prefeasibility Report for Vaishnodevi, Katra, Jammu	Vaishnodevi Shrine Board	-

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

None

16. Details of other publications made by regular faculty of the department of studies.

Meenakshi Dhote

- Sen, Jayeeta; Dhote, Meenakshi Interface between instruments of Development Planning and Biodiversity Planning and Conservation; Book of Abstracts; 3rd Biodiversity Conference 2017, Kerala Biodiversity Board, February 2017, p. 78

Neha Goel Tripathi

- Tripathi, Neha, G., Bedi, Prabh: Smart water management and e-Democracy in India, E-Democracy for Smart Cities; Springer, Singapore, ISBN 978-981-10-4035-1; pp. 259-279.

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

Meenakshi Dhote

- 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
- Member, Environmental Cell, New Delhi Municipal Committee.
- Expert Member on the BoS of Ph.D. Programme at SPA Bhopal.
- Registered with the Council of Architecture, New Delhi

Neha Goel Tripathi

- Member, Editorial Board of SPACE Journal
- 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
- Member, pre-Thesis Jury, Master of Environmental Planning, SPA, Vijaywada.

- Registered with the Council of Architecture, New Delhi

Editorial Boards

Dr. Meenakshi Dhote

Editor, Quarterly Newsletter of ENVIS Center on Human Settlements, ISSN 0974-1135. Four issues were published:

July 2016 –September 2016, Urban Sanitation, Vol. V (3)
 October 2016 – December 2016, Urban open Spaces, Vol. V (4)
 January 2017 –March 2017, Urban Heat island, Vol. VI (1)
 April 2017 – June 2017; Urban Transport, Vol. VI (2)

18. Exhibitions, Seminars or workshops or ganized by the students and faculty of the department

Exhibitions

None

Seminars and workshops

- Third National Conference on Green Building entitled “Integration of Solar from Buildings to Cities” conducted by the School on 16 February 2017. The Department of Environmental Planning, School of Planning and Architecture, New Delhi had organized the Third National Conference on Green Building entitled “Integration of Solar from Buildings to Cities” on 16 February 2017 in association with the Ministry of New and Renewable Energy (MNRE) and Smart Developments. The inaugural address of the Conference was delivered by the dignitary from the Ministry of New and Renewable Energy (MNRE) highlighting the government’s perspective on Green Buildings and Solar Cities whilst glimpses of the past discussions and way forward on the various issues was put forth by the former Director of School of Planning and Architecture, New Delhi. On the session on “Regulatory Mechanisms and Guidelines for a City Level Approach towards Renewable Energy”, the coterie deliberated upon the existing regulatory mechanisms and the necessary building codes for urban green initiatives. This was followed by an intense discourse on how to shape a solar city and optimize local renewable energy potential including technological innovations and financing mechanisms. Further, the reputable coterie dwelled upon setting up of a road map for Smart Cities for transforming Indian urban centres into Green and energy efficient cities.
- Fourth Green Building Conference titled “Up Scaling Green Building at City Level” on 27 March 2017. The Department of Environmental Planning, School of Planning and Architecture, New Delhi has been instrumental in organizing a series of Green Building Conferences in collaboration with the Ministry of New and Renewable Energy (MNRE) and Smart Developments during the past four years. The Department has essayed the esteemed role of a Knowledge Partner in these conferences and has also been actively involved in aggregating multiple stakeholders for policy dialogue and implementing various schemes floated by the MNRE from time to time. On 27 March 2017, the Department of Environmental Planning had organized the 4th Green Building Conference titled “Up Scaling Green Building at City Level” as a follow up of the third

National Conference on Green Building entitled “Integration of Solar from Buildings to Cities” conducted by the School on 16 February 2017. The conference primarily dwelled upon issues such as - applicability of renewable energy within an integrated urban energy system, water and waste management, retrofitting of existing infrastructure, funding mechanisms and capacity building. The conference enabled congregating diverse stakeholders ranging from planners, architects, vendors, professionals working on intelligent buildings and officers from Public Sector Units. In addition to the mentioned coterie, the conference was also attended by representatives of various international bodies like the UNDP and the World Bank and bureaucrats and officials from MNRE. The discourse facilitated the initiation of a policy dialogue over up scaling of environmental parameters including renewable energy from the building to the city level for achieving sustainable urban environments.

19. Seminars or workshops attended by the faculty of the department

Participation only

Meenakshi Dhote

- Coping with Climate: Assessing Policies for Climate change, adaptation and transport sector mitigation in Indian Cities,(CLIMATRANS)Stakeholders Meeting , ITPI, New Delhi, 1 March 2017.
- South Asia Urban Knowledge Hub Project: Roundtable on dissemination of knowledge products; NIUA; 22 May 2017.
- International Conference on “Future of Cities: Opportunities and Challenges”, 27 to 28 July 2017 at Vigyan Bhawan, New Delhi,

Neha Goel Tripathi

- Coping with Climate: Assessing Policies for Climate change, adaptation and transport sector mitigation in Indian Cities,(CLIMATRANS)Stakeholders Meeting , ITPI, New Delhi, 1 March 2017.
- International Conference on “Future of Cities: Opportunities and Challenges”, 27 to 28 July 2017 at Vigyan Bhawan, New Delhi,

Participated and presented a paper

Meenakshi Dhote

- National Evaluation Workshop of ENVIS Centers, Ministry of Environment, forests and Climate Change, Gandhinagar, 16 and 17 March 2017. Paper on ‘ENVIS Center on Human Settlements’.
- Healthy Environments and Active Living workshop, Queens University Belfast, IHC, New Delhi, 7 June 2017. Paper on ‘ Environmental Planning for Healthy Cities’

Neha Goel Tripathi

- Special Lecture on Environmental Legislation and Professional Practice; SPA, Vijayawada, 26 October 2016.

Panel discussion

Meenakshi Dhote

Member, Organizing Committee of workshop on “Urban Futures – Mountain and City, 9 – 10 February 2017 organized by Centre for Urban Green Spaces, IIC, New Delhi, Convener of session on “Built and Natural environment Linkages”.

20. Courses and training programs of more than one week attended by the faculty of the department

None

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

Faculty

Neha G. Tripathi – Environmentalist of the Year Award - 2016, from National Environmental Science Academy, Delhi.

Students

- Poster by Nidhin Davis titled “Carbon Footprint Analysis for opting Climate Change Mitigation Strategies in case of Wayanad District, Kerala” in Indian Youth Poster Session of the Asia Pacific Network 22nd Inter - Governmental Meeting and Scientific Planning Group Meeting and was selected as one of the top ten Research Scholars in APN Network.
- Gold medal in Basketball and Bronze medal (Nidhin Davis) in Kho-Kho in ATHLOS

22. Internal and external members of the Board of Studies

Internal Members	Designation
Prof. Dr. Meenakshi Dhote	Professor and Head of Department
Dean of Studies	Dean of Studies
Dr. Neha G. Tripathi	Assistant Professor of Environmental Planning
External Members	
Shri Ajay Raghav	Deputy Director, MOEF, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi-110003
Dr. R. B. Singh	Professor and Head, Department of Geography, Delhi School of Economics, University of Delhi, Delhi-110007
Dr. Anjana Vyas	CEPT University, Kasturbhai Lalbhai Campus, University Road, Navrangpura, Ahmedabad-380009
Dr. Shravan Kumar Acharya	Professor, Centre for the Study of Regional Development, Jawaharlal Nehru University, New Mehrauli Road, New Delhi-110067
Shri Emami Kumar	Deputy Secretary General, ICLEI International Regional Director, NSIC-STP Complex, NSIC Bhawan, Okhla Industrial Estate, New Delhi-110020

23. Internal and external members of the Departmental Research Committee

Internal Members	Designation
Prof. Dr. Meenakshi Dhote	Professor and Head
Prof. Dr. PSN Rao	Coordinator , Ph.D. Program
Prof. Dr. Mahavir	Professor of Planning
Dr. Neha Goel Tripathi	Assistant Professor of Environmental Planning
External Members	
Prof. Dr. Uttam K. Banerjee	Professor, Department of Architecture and Planning, IIT Kharagpur, West Bengal
Prof. Saswat Bandyopadhyay	Professor of Planning, CEPT University, Ahmedabad,

24. Prominent visitors to the Department of studies

Prof. R.K. Safaya, Former Executive Director HUDCO and Dean , Vastu Kala Academy, New Delhi
Shri Sunil Mehra, Chief Architect, EDMC, Delhi.
Ms. Varsha Joshi, Secretary Power, Govt. of NCT Delhi
Dr. A.K.Tripathi, Director General, MNRE, GOI.
Dr. B.C.Sabat, Dept. of Environment, Govt of NCT Delhi.
Ms. Alankrita Soni, Sr. Advisor Sustainability, Sharp Developments
Dr. Mohammad Fahimuddin , DHI Water and Environment, New Delhi
Dr. Shiraz Wajih, President of Gorakhpur Environmental Action Group
Dr. Nalin Shinghal, Chairman and Managing Director, CEL, India
Ms. Jeeniva Mahapatra - Senior Manager (Urban and Regional Planning) – DMIDC

25. Details of activities under various MOUs during the reporting year

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

26. Details of 'beyond syllabus scholarly activities 'of the department

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 – Air pollution, Risk Assessment. 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.

27. 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). The centre is producing theme based newsletters, special publications, directories of information including Biodiversity, Transport and Energy data, Base maps etc. The centre also has a Kids Section which includes information products, games and Quizzes for children. 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. 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 pro file

Name of the Faculty	Educational Qualifications	Designation	Area of Specialization	Number of Years of Experience
P.S.N. Rao	B.E.(Civil), AIIA, Certificate in Urban Management (Canada), Certificate in Art Appreciation, National Museum, Advanced Certificate in Art Appreciation, NGMA, M. Planning (Housing), Ph.D.	Professor and Head	Town Planning and Housing	30
Ruchita Gupta	B. Arch., M. Planning(Housing), Ph. D	Assistant Professor	Housing	17
Harshita Deo	B. Arch., M. Planning (Housing)	Assistant Professor	Town Planning and Housing	8

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	Governance and Management of Housing	2
	III	Real Estate and Housing Markets	2
	I	Planning Studio	3
	III	Housing Studio	6
	IV	Housing Studio	5

	a)	Ph.D. Guidance 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	
Ruchita Gupta	Semester	Subject (Theory and Studios)	Hours per week
	I	Housing and Environment Planning(Theory)	1
	I	Planning Studio	6
	III	Project Formulation and Design (Studio)	9
	(Jan- May 2017)		
	II	Urban and Rural Housing Policy and Programmes (Theory)	2
	II	Housing Options and Strategy (Studio)	6
	IV	Housing Studio- Thesis (Studio)	8
Harshita Deo	Semester	Subject (Theory and Studios)	Hours per week
	I	Theory – Housing and Environment Planning	1
	I	Studio – Planning Studio	6
	II	Theory – Housing Standards, Design and Projects	2
	II	Studio – Housing Options and Strategy	6
	III	Housing Studio – Project Formulation and Design	9
	IV	Housing Studio – Thesis	8

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 Bachelor of Architecture August to December 2016	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/Semester
Neelima Risbud	III	Informal Housing, Slum and Poverty and Housing Studio	192
Chitra S. Jain	II	Housing Studio	28

J.B. Ghildiyal	II	Housing Studio - Survey Techniques and GIS	32
Shiv Prasad Singh	II	Housing Studio	8
Akshay Sen	II	Housing Finance	12
Sunit Anand	II	Material Technology and Infrastructure	22
Neelima Risbud	III	Informal Housing, Slum and Poverty and Housing Studio	192
Pushpanjali Jha	III	Inclusion, Community Participation and	32
Sanjeev Saxena	III	Legislation and Professional Practice	32
Vinay Sharma	III	Communication	16
Chitra S. Jain	III	Housing Studio	77
Rashi Gupta	III	Housing Studio	62
J.B. Ghildiyal	III	Housing Studio	48
Vinod Sakle	III	Housing Studio	109
Shiv Prasad Singh	III	Real Estate and Housing Markets	8
Chitra S. Jain	IV	Housing Studio - Thesis	40
Sunit Anand	IV	Housing for Special Areas and Groups	4
Roma Bhagat	IV	Housing for Special Areas and Groups	4
Vinod Sakle	IV	Housing Studio - Thesis	168

(b) Details of Special Lectures undertaken in the Department

Nil

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

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

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

Name of the Studio	Objectives of the Studio	Case study Description	Major Conclusions and Outcomes
Third Semester Studio – Housing Project Formulation and Design: Bangalore	<ul style="list-style-type: none"> • To study the city under various aspects of city profile, housing subsystems, real estate development aspects etc. • To evaluate various existing group housing projects in Bangalore for best practices and design 	Case studies of various housing projects in and around Bangalore were undertaken to understand project formation and design	Students were given sites where they formulated projects including design costing, pricing, etc.

<p>Second Semester – Housing Options and Strategy : Aurangabad</p>	<p>flaws</p> <ul style="list-style-type: none"> • To understand the issues and process involved in formulated a group housing project from the developers points of view. • To design a group housing project. • To understand the various housing options in the city in terms of their evolution, transformation and present status. • To identify various emerging issues in the housing sector. • To project the future scenario of housing demand. • To outline a strategy and recommendations to address the issues. 	<p>Case studies of various subsystems were undertaken to understand individual issues and requirements and suggest strategies for each separately. The subsystems studied are Old City, Urban Village, Public Housing, Private/Real Estate Housing, Co-operative Housing, Employer Housing, Slums, Unauthorised Colonies.</p>	<p>A housing strategy for Aurangabad was prepared.</p>
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10. Details of the Thesis Topics researched by the students of the final year class

Roll No.	Name of the Student	Thesis Topic
SPA/NS/H/535	Abhishek Kumar Bittu	Sanitation in Residential Areas of Patna
SPA/NS/H/536	Ahammed Aflahe	Housing for Tsunami Affected Persons
SPA/NS/H/538	Alinda Saikia	Housing for Tea Plantation Workers: Assam
SPA/NS/H/539	Bharti Sharma	Slums in Shimla
SPA/NS/H/540	Dikchha Tiwari	Slums in a Pilgrim Town: Varanasi
SPA/NS/H/541	Himadri Dodeja	Private Sector Initiated Housing Development in Formal and Informal Sector: Dehradun
SPA/NS/H/542	Jai Atul Dighe	Redevelopment in Co-operative Housing Societies: Mumbai
SPA/NS/H/543	Malaswmtluangi Ralte	Home Based Activities in Aizwal, Mizoram
SPA/NS/H/544	Meenal Nagdavne	Evaluation of Child friendly Neighborhood in Residential Areas: Case of Bhopal and Delhi
SPA/NS/H/5245	Neha Gupta	Squatters in Delhi: Growth and Interventions
SPA/NS/H/546	Nilendu Bala	Evaluation of Unauthorized Real Estate Development in wetlands of Kolkata
SPA/NS/H/547	Pooja Rastogi	Site and Services in Kanpur

SPA/NS/H/548	Samarth Singh Gangwar	Impact of Delhi, Mumbai Industrial Corridor (DMIC) project in Dadri
SPA/NS/H/549	Sheena Takkar	Real Estate Development in Faridabad
SPA/NS/H/550	Shiva Anil Kshirsagar	Residential Real Estate Development Practices in the Suburbs of Mumbai
SPA/NS/H/551	Kote Shrishailya Dilip	Student Accommodation in Pune
SPA/NS/H/552	Shriya D. Puranik	Single Women Housing in Mumbai
SPA/NS/H/553	Shubham Sharma	Home Based Economic Activities in Sanganer, Jaipur
SPA/NS/H/554	Sushma Latha Dommeti	Slum in Vijayawada
SPA/NS/H/555	Swapnil Saxena	Slum Re-settlement in Mumbai
SPA/NS/H/557	Teni Alice Abraham	Evaluation of BSUP in Thane

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

Year of Enrolment	Name of the Student	Thesis Topic	Name of the Research Supervisor	Remarks if any
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 and Prof Dr. Ashok Kumar	-
2017	Shri Brij Kumar Agarwal	Land Titling Crisis in India	Prof. Dr. P.S.N. Rao	-

12. Research thrust areas of the Department

- Affordable Housing and Climate Change
- Real Estate Development
- Informal Housing, Slums

13. Completed and ongoing research projects in Department

Ruchita Gupta

Ongoing 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.

14. Details of consultancy projects undertaken by Department

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.

Ruchita Gupta

- Viable Rental Housing models for promotion of rental housing in India' HSMI, New Delhi

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

16. Details of other publications made by regular faculty of the Department

P.S.N. Rao

- Rao, P.S.N. (2016) SDGs and the New Urban Agenda: Urban Planning and Informal Settlements in Indian Cities, SHELTER, Vol. 17, No. 2, October 2016, pp. 1-6.
- Rao, P.S.N. (2016) Smart Housing for Smart Cities, ITPI JOURNAL, Vol. 13, No. 2, 2016. pp. 23-31.
- Rao, P.S.N. (2016) Compact Settlements: the need to adopt redevelopment, The Indian Express, New Delhi. 15 October 2016.
- Rao, P.S.N. (2016) Real Estate: A Real Fillip Needs Additional Push Post -Currency Pullback, The Indian Express, New Delhi, 24th Dec. 2016.
- Rao, P.S.N. (2017) Ageing Structures: Old Buildings Need New Solutions, The Indian Express, New Delhi, 4 March 2017.
- Rao, P.S.N. (2017) RERA – an act seeing dilution, missing deadlines and agitations, The Indian Express, New Delhi 8 April 2017.

Ruchita Gupta

- Demand for Rental Housing: Evidence from Slum Settlements in Delhi in Journal Urbanisation 2(1) 1–19 © 2017 Indian Institute for Human Settlements SAGE Publications.
- 'Demand for Rental Housing: A Study of Slums in Delhi' National Conference on Urban Environmental Management in India: Problems and Prospects held at MNIT, Jaipur during 13-14 February 2016. The paper was published ISSN No. Print: 09756364 Online: 2249-3255

Harshita Deo

- Paper titled "Government Initiatives for Housing in India", published (double blind peer reviewed) in AMPS Publication Series 8 -Government and Housing in a time of Crisis: Policy, Planning, Design and Delivery, ISSN 2398-9467

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

P.S.N. Rao

- Fellow, Institute of Town Planners-India
- Fellow, Institution of Engineers
- Associate, Indian Institute of Architects
- Registered, Council of Architecture
- 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 Sub Committee, Estate Department, RBI.
- 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, Building and Works Committee, RSkS, Ministry of HRD, Govt. of India
- Member, CSIR Sectoral Monitoring Committee (Housing, Roads, Construction, Structures and Safety), CSIR, New Delhi
- Member, Board of Studies, Manipal University, Jaipur.

Ruchita Gupta

- Associate Member, Institute of Town Planners-India
- Registered, Council of Architecture
- Advisor in Mainstreaming Sustainable Social Housing In India Project (MaS -SHIP) partners are Teri, UN Habitat, Oxford Brookes University and Development Alternatives at Development Alternatives, New Delhi.

Harshita Deo

- Associate Member, Institute of Town Planners-India
- Registered, Council of Architecture

18. Exhibitions, Seminars or workshops organized by the students and faculty of the department

On November 11, 2016, the Department of Housing organized a Seminar on Career Opportunities in Real Estate. This was conducted in collaboration with Jones Lang LaSalle (JLL), a well-known real estate services company. Several industry experts spoke at the seminar. The seminar was attended by nearly one hundred students of the School.

19. Seminars or workshops attended by the faculty of the Department

P.S.N. Rao

- Panelist – 8th Realty Plus Awards Conclave on Impact of RE Reforms, 24th January 2017 Gurgaon.

- Speaker – International Conference on Future of Cities : Opportunities and Challenges, ITPI, 27-28 July 2017.
- Participated in Workshop on Urban Management, Association of Municipalities and Development Authorities (AMDA), New Delhi, June 2016.
- Panelist – 2nd National Summit on 100 Smart Cities India 2016, 9th Sept. 2016, New Delhi.
- Speaker – National Conference on “Informal Settlements in Indian Cities – Impulses for Innovation in Architecture and Urban Planning Education”, Coimbatore, held under the BINUCOM Project.
- Chair, Session on “Recent Amendments in Building Byelaws”, organized by PHD Chamber of Commerce, New Delhi, 8th July, 2016.
- Speaker – Delivered a lecture on ‘Real Estate Marketing’ at Madhya Pradesh Housing and Infrastructure Board, Bhopal, 11th August 2016.
- Speaker – 11th Annual Lecture Series on “Social Housing for Urban Poor” organized by Butterflies at IIC, New Delhi, 31st August 2016.
- Speaker – Special Lecture on “Housing-Changing Trends”, Department of Architecture, Sharda University, NODA, 11th Feb. 2017.
- Chief Guest Address – Delivered an address on ‘Delhi Urban Habitat’ at the Regional Conference on Urban Development and Smart Cities, 9th March 2017, Hotel Leela Palace, New Delhi.

Ruchita Gupta

- Paper presented “Evaluation of Housing Policies for Slums in India” under broad theme of “Housing issues in a new epoch of urbanization: challenges and opportunities” 2016 Asia-Pacific Network for Housing Research (APNHR) Conference Sun Yat-sen University, Guangzhou, China on 16th– 19th December 2016.
- Paper presented on ‘Demand for Rental Housing: A Study of Slums in Delhi’ . National Conference on Urban Environmental Management in India: Problems and Prospects held at MNIT, Jaipur during 13-14 February 2017.
- Paper presented on “Affordable housing options for low income group in mega cities of India: a case study of Delhi” Nordic Geographers Meeting (NGM 2017) Department of Human Geography, Stockholm University, Sweden, 18-21 June 2017.
- Attended a colloquium on Government of India’s Urban and Rural Missions-An Over View” organized by ITPI, New Delhi on 30 September 2016.
- Attended a Conference on “Real Estate-Opportunities, Challenges and Roadmap” at PHD House, New Delhi on 9 November 2016.
- Attended a Workshop on “How to Publish Papers in International Journals” at ITPI on 11 Jan 2017.
- Attended a Conference on Integration of Solar from Buildings to Cities at SPA, New Delhi on 16 February 2017.
- 4th National Conference on Green Building Up Scaling Green Building at City Level organized by Sharp Developments supported by Ministry of New and Renewable Energy, Government of India on 27 March 2017 SPA, New Delhi.

Harshita Deo

- Presented paper titled “Government Initiatives for Housing in India” at International Conference *Government and Housing in a time of Crisis: Policy, Planning, Design and*

Delivery held in Liverpool, United Kingdom on 8 -9th September 2016, organized by Architecture, Media, Politics Society (AMPS) in collaboration with Liverpool John Moores University.

- Attended Seminar on World Habitat Day on 3rd October 2016 organized by MoHUPA at Vigyan Bhawan, New Delhi
- Participated in Workshop on How to publish papers in International Journals on 11th January 2017 organized by ITPI at New Delhi in collaboration with the Journal Planning Theory and Real Estate and Planning, Henley Business School, University of Reading, United Kingdom
- Attended Seminar on “Energy Efficiency in Housing and Implementation Framework of ECBC” on 27th and 28th February, 2017 by HUDCO’s HSMI at India International Centre, New Delhi

20. Courses and training programs of more than one week attended by the faculty of the department

Nil

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

Nil

22. Internal and external members of the Board of Studies (BOS)

Internal

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

External

- Ms. Manju Paul
- Prof. Dr. Rama Subramanian
- Dr. Rahul Bysack
- Mr. Kishan Sheshadri
- Ms. Chitra Jain

23. Internal and external members of the Departmental Research Committee (DRC)

Internal

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

External

- Dr. Kiran Wadhwa

- Dr. S. P. Bansal

24. Prominent visitors to the Department:

Nil

25. Details of activities under various MOUs during the reporting year (if any)

Nil

26. Details of 'beyond syllabus scholarly activities' of the department (50 words only).

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

27. Any other information

P.S.N. Rao

- Chairman, Delhi Urban Art Commission (DUAC) a statutory body under an Act of Parliament.
- Chairman, Committee on Modernization of Rashtrapati Bhawan, Office of the President of India.

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)

Ph.D.

3. Year of establishment of the Department

1992

4. Faculty profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Years of Experience	Remarks, if any
Parag Anand Meshram	B.E. (Electronics), Master of Design (Industrial Design)	Associate Professor and Head, Department of Industrial Design	Product Design; System Design; Social Design	20	Honorary Hostel Warden Since 2010
Krity Gera	B.Arch., M.Arch (Industrial Design)	Assistant Professor	Design for Sustainability; Design and Social; Innovation Design And Craft	11	-
Aditi Singh	B.Arch., M.Arch (Industrial Design)	Assistant Professor	Product Design; Sustainable System Design; Next-gen Experience Design; Social Innovation	13	-

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
Parag Anand Meshram	I	Design Project 1, Design Methods	12
	II	Elective (Design Thinking)	6
	III	Management, Marketing and Innovations	2
	IV	Final Project, DDS	13
Krity Gera	I	Studies in form, Design History and Design Theory	4
	II	Design Project 2, Human Factors in Design, Advanced form Studies, Social Design	16
	III	Design Project 3	12
Aditi Singh	I	Design Methods, Design Project 1	12
	II	Computer Aided Industrial Design 1	2
	III	Product Detailing. Management, Marketing and Innovations	4
	IV	Final Project, FP/IPR	14

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

None

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
Prof. Dr. Vinod Kumar Gupta	III	Design Project 3	9
	IV	Final Project	10
Naveen Vikas Rampal	III	Design Project 3	11
	II	Design Project 2	10
Ratna Chatterjee	III	Design Management	2
	I	Manufacturing Process and Techniques	2
	IV	FP/ IPR	2
Gaurav Sharma	I	Communication and Presentation Techniques	2
Shruti Parikh	III	Product Detailing	2
Anisha Shekhar Mukherji	I	Research Methods and Critical Writing	2
	III	Design Criticism	2
	II	Design Research	2
Ruchin Chaudhary	I	Design Project 1	10
	IV	Final Project	10
Rahul Tyagi	III	Management, Marketing and Innovations	2
	II	Advanced Manufacturing Techniques	2
Somya Hastekar	I	Design History and Design Theory, Studies in Form	4
	III	Concept of Quality	2
	II	Human Factors in Design, Advanced Form Studies	3
Siddharth Kumar	I	Communication and Presentation Techniques	2

	III	Computer Aided Industrial Design 2	2
	II	Elective (Design Engineering and Prototyping)	2
Neerja Tiku	I	Research Methods and Critical Writing	2
	II	Design Project 2	10
	III	Design Project 3	10
Dharmesh Jaiswal	II	Computer Aided Industrial Design 1	2
	I	Elective	2
	III	Computer Aided Industrial Design 2	2
Bindoo Ranjan	I	Elective	2
Prabhat	III	Concept of Quality, Elective	5
AlpnaRohatgi	III	Elective, Design Management	5
Abhishek Srivastva	III	Design Management	2

(b) Details of Special Lectures undertaken in the Department

Name of the Expert	Topic	Date
Kanu Kartik Agarwal	Ethics of Design Practice	27th May, 2017
Amardeep Behl	The importance of storytelling in Design	27th May, 2017
Singgih Kartono	Sustainable Design and the Spedagi Bike	5 th Oct, 2016

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

"People Centric Cities" inter-disciplinary studio project was conceptualized, conducted and coordinated in collaboration with Department of Urban Design, Department of Architectural Conservation and Department of Landscape Architecture observe, synthesize and design for urban issues and realities in a developing Metro city, like New Delhi. An interactive open-source submission methodology was initiated for the first time: <https://instudiospa.wordpress.com/>

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

Name of the Studio	Project Title/Description	Student Name	Case Study Description and Major Outcomes and Conclusions
DP1 (A); First Semester, First Year	Objects of Beauty: Choosing an everyday product and redesigning it to increase its desirability.	Anshumala Mishra	Watering Can: A product that makes the experience of watering plant playful with ease of operation.
		Abhinav Verma	Vegetable Peeler: A peeler consisting of flexible blades that can easily work upon curved surface.
		Anchal Sharma 133	Hand-held Wiper: A minimal easy to clean design that wipes effortlessly imitating human palm gesture and looks something you wish to flaunt.
		Ayan Choudhury	Candle Stand: A candle stand that would utilize the melting wax to create pattern lighting.

	Brijesh Kumar Balbantray	Container Design: A container that evokes sense of nostalgia and memories. The concept was to implement a locking system which is reminiscent of winding keys.
	Geetika Garg	Ice cream scoop: An ice cream scoop that scoops out ice cream in non- spherical form.
	Meenakshi Baruah	Napkin Holder: A napkin holder for fine dining where the arrangement of the napkins along with the holder come together to form a complete elegant form.
	Nitul Kumar Das	Handy Scrubber: Handy Scrubber is a 2 in 1 cleaning device with 3 layered scrubbing pads and a pump on the handle so that the user can control the quantity of detergent that is dispensed.
	Odugu Shanmukh	Oil Dispenser: An oil dispenser that has an element of surprise in its function and adds elegance to dining table.
	P. Sreeraj	See-Soap: Soap dispenser operated with minimal contact.
	Radhika Ojha	Water bottle: Single handed water bottle that can be operated with a slight movement of thumb by which the drinking spout pops out.
	Rahul K	Measuring Cube: A clutter-free redesign of the Measuring cup set.
	Riddhibrata Samanta	Pizza cutter: Design inspired from TRON franchise.
	Saikat Mahato	Rubber Stamp Design: Redesign of stamp to revive the sensation of stamping in a new way by a swift two-step process.
	Sarthak Rohilla	Issey Miyake's inflator: Redesign a gym ball inflator with respect to the design style of Japanese designer Issey Miyake. The inflator is made using origami, with a wooden nozzle and base.
	Shahakar Aditya Pramod	Mobio Massager: A multi-use massager inspired by Mobius that is made using thin leather strip stitched with beads and joined with detachable zipper.

		Sravan Satheesh	Tea Infuser: Design of a tea infuser considering the ease of use in every aspect of its process.
		Vinod Thomas	Magniflex: Magnifying Glass for office use.
		Vishnu M R	Paper bin:Design of a Paper Bin that can be used from long distance.
		Vishnu N P	Salt and Pepper Shaker: A magnetized salt and pepper shaker that is crystalline in form. Salt and pepper conceals the holes when attached, enhancing the hygiene of its contents.
		Zuberan Ahmed	Ice tray and coaster: A design where a drinking experience is created while using the ice tray and coaster.
DP1 (B)	Home Appliance Design:To Design an innovative home appliance along with the constraints of Marketing and Management in Industrial Design.	Anshumala Mishra and Odugu Shanmukh	Steam Cabinet: An appliance that cleans and steams more than single garment in one go for users who do not have time to iron clothes
		Abhinav Verma and Riddhibrata Samanta	Toaster X: A toaster which expands and enables a range of bread toasting options.
		Anchal Sharma and Geetika Garg	Air purifier: An air purifier that <i>looks pure</i> . Using natural salt and heat to purify air, it adds warmth to your living space.
		Ayan Choudhury and Saikat Mahato	Space Heater: A system to maintain comfortable temperature in an enclosed space.
		Brijesh Kumar Balbantray and Sarthak Rohilla	Floor Cleaner: In Indian context the significance wet wiping is comparatively more than just dusting, the design of the cleaner aimed at cleaning moist floor stains via steam along with vacuum. A vacuum cleaner and steam cleaner amalgamated to provide that extra edge in cleaning floors.
		Meenakshi Baruah and Radhika Ojha	Rice Cooker: The product that enhances all the steps of rice cooking from washing to cooking into hassle free and fun steps.

		Nitul Kumar Das and Zuberan Ahmed	Electric Kettle: Hot spot is an electric kettle that give user hot water at one go with an easy handy cool touch flask to carry and use wherever you wish to.
		Rahul K and Sravan Satheesh	LOOP:An instant water heater to provide hot water for bathing. Unlike traditional geysers, loop is attractive, minimal and with a size of 20cm x 30cm
		Shahakar Aditya Pramod, Vishnu N P and P. Sreeraj	Espresso Machine: CAFLEV, An Espresso Machine that enhances the coffee making experience of die-hard coffee lovers and creates a sense of magic in delivering it by using the physics of magnetic levitation and brewing process of mokha pot.
		Vinod Thomas and Vishnu M R	PLENDER:A wall mount blender which inhibits the cyclone effect in conventional blending providing a nutritious and non-oxidized puree.
DP1 (C)	UX Now UX Now Competition 2016. “Design to encourage people drive better”	Anshumala Mishra	To design a game for learning traffic and road safety rules for children and adult both.
		Abhinav Verma	Noise reduction due to honking: A hardware based system which is incorporated in the vehicle sandon the roads. Paired together they help
		Anchal Sharma	Smart Traffic Monitor in gand Distribution system: Manages the vehicular transit system inmajor cities and enhances user experience.
		Ayan Choudhury	Proper Lane Driving: A guidance system to promote safe driving in India.
		Brijesh Kumar Balbantray	Invisible Towing: The system would help the user to tow the car without the visible chains and machinery but only via wireless assistive
		Geetika Garg	Mobipark: An app for simplifying parking.
		Meenakshi Baruah	Drive Digital India: A system for digitised-scanning of vehicles that jump red lights and exercising efficient penalising system to prevent instances of red light jumping.
		Nitul Kumar Das	Eye Tech: An eyewear which detects nearby light sources such asthe high beam headlights or tail lights of vehicles ahead automatically switches the vision of the driver

	Odugu Shanmukh	Smart Ring: A gadget that is installed on steering wheel to sense the rage level of person driving a car and change the environment in car
	P.Sreeraj	Smart Auto-rickshaw: App based interactive-smart handle for Auto-rickshaws
	Radhika Ojha	System for combating drowsiness: The system will monitor the driver's fatigue level and drowsiness based on his/her eye/face monitoring and physiological measurements and if
	Rahul K	Drivesafe: Mobile App that monitors the driving patterns of the user to give redeemable points for safe driving; thus stimulating the brain's
	Riddhibrata Samanta	System to prevent distracted driving: A system which monitors driver's heartbeat and eye movement to warn about possible
	Saikat Mahato	To correct wrong lane driving: A system with an incorporated device which will record the distance
	Sarthak Rohilla	Low Visibility Assist : LVA is system in our car Which uses various sensors and helps you to know your car's surrounding through HUD
	Shahakar Aditya Pramod	Blind Curve Safety System: (AHEAD) A system that relays the information of the oncoming vehicles and assists during emergency situations to the user driving in the hills. The product uses radar, gps and mobile network of users to intercommunicate
	Sravan Satheesh	Drive Better: A car integrated system which helps the user to follow rules by the stimulus to primary senses and makes sensory learning possible.
	Vinod Thomas	Drive Easy: Technologically aided algorithm for decongestion of traffic at identified location and an installation to inhibit change of lanes.
	Vishnu M R	Smart key System: A smart key that communicate with the vehicle, and stores the data on violations and penalties reducing the corruption.
	Vishnu N P	Personal Assistant: A personalised smart assistant that uses personal emotions to reduce negligence while driving.
	Zuberan Ahmed	Smart helmet: The idea of the helmet design is to minimise the fatality in an accident and to inform the concerned authority if accident happens through pressure sensors.

DP2 (A)	Toy/ Game Design	Anshumala Mishra	Gombegala Ooru- Cultural toys of India
	To design and make an educational toy/game for children that educates them through play, maintaining interest and enjoyment.	Abhinav Verma	Precision football shooting: A game design to hone the hand eye coordination, passing and shooting skills required in the game.
		Anchal Sharma	Joyland: Story of Joy, who discovers the right virtues and gains wisdom in his quest for the golden heart and the tree of wisdom. A <i>digital gameplay</i> for small kids to teach them basic moral values.
		Ayan Choudhury	Myth-o-chess: A board game that would redefine 3d chess and mythology for kids.
		Brijesh Kumar Balbantray	Tickle Wars: A strategy game designed around a story. The winner of this game gets to tickle the loser which gives a different sense of accomplishment.
		Geetika Garg	Mazing!: A game designed for the cognitive development in ages 10+.
		Meenakshi Baruah	Miracle-o-Land: A game for 6-10 year olds that is designed to spark inquisitiveness and curiosity in kids that inculcates the habit of learning by observing and questioning for life.
		Nitul Kumar Das	RollStack: A toy designed for enhancing the bonding between kid and a pet.
		Odugu Shanmukh	Bindu: A futuristic toy falling under the category of companion robot.
		P. Sreeraj	FishCue: An outdoor group game which helps kids of 3 to 5 years understand more about nature as well as improve their motor and cognitive skills.
		Radhika Ojha	Integrated play system: It is a play system that develops gross motor skills, cognitive skills and other diurnal activities. It will furthermore encourage social interaction amongst visually impaired children of age group 6 to 9.
Rahul K	Life of P+: A mobile game that teaches basic concepts of high school chemistry through an interactive and visual story experience.		

		Riddhibrata Samanta	Inertia: A game for teenagers to help them relieve their daily stress.
		Saikat Mahato	Speakita: An interactive game to encourage children with speech impairment to speak up along with the character as the game flows.
		Sarthak Rohilla	Preeminence- Galactic Empire
		Shahakar Aditya Pramod	Magrise : A game that uses the magic of magnets to push the young kids away from mobile screen games and evoke their interest in board games and science of life.
		Sravan Satheesh	Figure Factory: A moulding toy that helps kids to create their own action figure. Theme based changeable mould sections offers number of combinations based on the kids imagination.
		Vinod Thomas	CRANI5: memory-strategy game to boost your metacognition.
		Vishnu M R	Wheel: A toy that encourages kids for active outdoor play, inspired from the traditional game of rolling tyres.
		Vishnu N P	Headgear: A wearable device and a pen that enables kids to write anywhere with invisible ink and explore the joy of secrecy and investigation.
		Zuberan Ahmed	Intrepid - the word war game:The idea of the game is based on the fact that kids have to be improved on certain spatial skills which evolves the idea of certain word game in the board format.
DP2 (B)	To design a product/service that enhances your experience in a personal or public realm. Products that have significant purpose and commercially viable and are designed with sustainability in mind and	Anshumala Mishra	SLUNCH: Slow cooking lunch box for office goers.
		Abhinav Verma	Vegetable trolley: A trolley for crowded market space which can carry vegetables with the ease of movement in narrow spaces.
		Anchal Sharma	Frost bottle: The elegant frost pattern intriguingly unveils itself when you drink the recommended 4 litres of water.
		Ayan Choudhury	Passenger Guidance: A system to segregate passengers in Kashmere Gate ISBT

improves quality of life.	Brijesh Kumar Balbantray	Communications system for visually impaired:- A system which enables visually impaired to board
	Geetika Garg	Wall-tag: Wall mounted furniture for design students residing in hostel.
	Meenakshi Baruah	Strumbella: A design for a portable, easy to set-up and dismantle canopy shop for vegetable vendors
	Nitul Kumar Das	StreetEye: A product designed with an integrated system for the safety of women walking on a deserted street
	Odugu Shanmukh	Just Click: A camera to eliminate the hassles of a DSLR and produce better images than a mobile phone
	P. Sreeraj	Airport Trolley: Intended to assist physically weaker section like elderly or patients to carry their
	Radhika Ojha	Food packaging for Indian Railway passengers: Packaging system which is cleaner, healthier and sustainable and enhance the
	Rahul K	MOGO: A device that lets the user take advantage of the full potential of a smart phone, thus enhancing
	Riddhibrata Samanta	TRAD : Tremor Reducing Assisting Device for the person suffering from Parkinson's Disease.
	Saikat Mahato	LAGPACK : A device which would eradicate and pack up the after effects of jet-lag within the duration
	Sarthak	DELINEATOR : Advanced Traffic management tool
	Shahakar Aditya	Reboot : A digital detox wearable to help you bring the balance between your digital and physical world to
	Sravan Satheesh	Atmospheric Water Generator: A device to extract water from atmosphere with extreme low
	Vinod Thomas	TOMRAD: Mobility solution for future
	Vishnu M R	Headphones: A compact headphone and a travel companion in which passive noise reduction is controlled by intuitive gestures.
Vishnu N P	Kick Scooter: A personal kick scooter that can be rolled into a cylinder and fit in a backpack, which is a solution for last mile and first	
Zuberan Ahmed	Slickerbag - school backpack: Improved posture, better weight distribution along the shoulders and back, stabilized weight, supported lower back, and a scheduler to alarm	

DP 3 (A)	Interior designing of a Hatchback for the age 50+ youthful community (A)	Ashok Mohan	
		Kumar Skand	
		TingneilamK hongsai	
		Thomas C	
project undertaken in collaboration with Maruti Suzuki (India) Limited)		Oommen	Redesigning the Seats
		Tridib Ray	
		Rohit S. Sharmilee	GROUP Design Brief To design a car interior for elderly, with an inspiration from nature for its timeless quality and provide them with utmost comfort which will enhance their experience.
		Monikuntala Das	
		Shamik Sarkar	
		Rajiv Surya Sathuri	Design Intervention Ingress and egress for the elderly
		Harsh Vardhan	
		Dollsy	GROUP 1 Design Brief To create a youthful car interior solution on that promotes a feeling of independence and bridges the gap between technology and nostalgia.
		Beenish Fatima	
		Bhoomi Bansal	
		Arijit Debnath	Design Intervention Ingress and egress
		Abhinav Pratap	
Mansi Pandey			
Nandini Bhattacharjee			
Prachi Thakare			
Priyanka Yadav			
DP3 (B)	Designing Lifestyle Appliances for a Sustainable Living	Abhinav Pratap	Design Brief NEO-Mosquito Killer: A mosquito attractant cum killer that lures in and kills male mosquitoes by imitating sound of female wing beats and also attracts female mosquitoes by artificially producing CO2.
		Arijit Debnath	

		Ashok Mohan	Design Brief EVOLLO- a modular smartphone case : Design a product to attain sustainability through mobile phone which is universal and compatible.
		Beenish Fatima	Design Brief “Spruce” as the modern broom, cleans without a fuss
		Bhoomi Bansal	
		Dollys	Design Brief Faucet designed for schools- To help children understand sustainable water usage and encourage healthy habits.
		Harsh	Design Brief
		Vardhan	To design a portable water purification attachment system, so that water can be consume at any municipal supply in safer way.
		Kumar Skand	Design Brief To design an energy-efficient cooling system for domestic spaces in humid and tropical climates.
		Tingneilam Khongsai	Design Brief To enhance the experience of cooking and dining through sustainable lifestyle by encouraging a healthy style of cooking and a social interaction.
		Mansi Pandey	Design Brief THE HEAT TRANSPORTS: To design a system to trap Radiated Heat from the Kitchen Stove and use it as Portable Heat.
		Monikuntala Das	Design Brief THE HEAT TRANSPORTS: To design a system to trap Radiated Heat from the Kitchen Stove and use it as Portable Heat.
		Nandini Bhattacharjee	Design Brief To design an indoor air cooler for residences, which is easy to maintain and improves the life cycle of the product.

		Monikuntala Das	Design Brief THE HEAT TRANSPORTS: To design a system to trap Radiated Heat from the Kitchen Stove and use it as Portable Heat.
		Nandini Bhattacharjee	Design Brief To design an indoor air cooler for residences, which is easy to maintain and improves the life cycle of the product.
		Prachi Thakare	Design Brief To create sustainable food growing method inside house using Aquaponics system.
		Priyanka Yadav	Design Brief To design a dustbin to encourage people to segregate waste at initial stage of occurrence for its maximum utilization for making biogas.
		Rajiv Surya Sathuri	Design Brief Eco Airo: A sustainable solution for indoor air pollution
		Rohit S. Sharmilee	Design Brief To design an energy efficient and cost effective air filtration system for schools
		Shamik Sarkar	Design Brief To design a sustainable Domestic Sitout
		Thomas C Oommen	Design Brief To design a sustainable dust sweeper for footpaths, pavements and other inaccessible places by machine sweeper.
		Tridib Ray	

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

Roll No.	Name of the Student	Thesis Topic	Name of the Thesis Guide
ID/263	Abhinav Pratap	First Response Vehicle	Ruchin Chaudhary, Parag Anand, Aditi Singh
ID/264	Arijit Debnath	Traffic Management System	Parag Anand, Aditi Singh

ID/265	Ashok Mohan	<p>Rural Flood Preparedness Solution</p> <p>Design Brief A community level disaster preparedness solution which gets activated at the time of floods, designed for regular flood prone areas.</p>	Aditi Singh, Parag Anand
ID/266	Beenish Fatima	<p>Mobile Eye Care</p> <p>Design Brief To design a compact eye care unit to ease the OPTO session carried by Lenskart.</p>	Vinod Gupta, Parag Anand, Aditi Singh
ID/267	Bhoomi Bansal	<p>Interactive Lighting for Parks</p> <p>Design Brief</p>	Ruchin Chaudhary, Parag Anand, Aditi Singh
ID/268	Dollys	<p>Cambio Active Workstation</p> <p>Design Brief To design a furniture system that supports active sitting and provides balanced work environment.</p>	Parag Anand, Aditi Singh
ID/269	Harsh Vardhan	<p>Vaccine Carrier for Rural Healthcare</p> <p>Design Brief To design a vaccine Delivery system which store and maintain vaccines temperature during routine immunization in rural areas.</p>	Parag Anand, Aditi Singh
ID/270	Kumar Skand	<p>Smart Vegetable Vending Cart</p> <p>Design Brief An IoT-enabled last mile</p>	Aditi Singh, Parag Anand

		vegetable vending system that preserves the shelf life of the produce and facilitates the collection of domestic organic waste for compost generation, thus completing the Food Cycle	
ID/271	Tingneilam Khongsai	3D Printed Modular Architecture Design Brief Design a modular dwelling unit using additive 3D printing technology and its benefits and also utilise local materials for production.	Aditi Singh, Parag Anand
ID/272	Mansi Pandey	Bob: The Baby Crib Design Brief To redesign the baby crib so as to facilitate correct postures of caretaking thereby reducing the development of musculoskeletal disorders in new mothers.	Parag Anand, Aditi Singh
ID/273	Monikuntala Das	Urban Bamboo Furniture Design Brief To design furniture made out of Bamboo, a Rapidly Renewable Material, which complements an Urban Household.	Vinod Gupta, Parag Anand, Aditi Singh
ID/274	Nandini Bhattacharjee	Co-Learn: School Furniture for Better Learning Design Brief To design reconfigurable furniture for classrooms that aids schools in adopting new learning methods	Vinod Gupta, Parag Anand, Aditi Singh

ID/276	Prachi Thakare	<p>Vita: Memory Album for Visually Impaired</p> <p>Design Brief To design a set of devices that helps visually impaired people capture, relive and share special moments of life.</p>	Aditi Singh, Parag Anand
ID/277	Priyanka Yadav	<p>Ease-Up: Assistive Menstrual Aid :</p> <p>Design Brief To design a menstruation assistive system for people with cerebral palsy and their caregiver to enhance hygiene and decrease physical stress.</p>	Ruchin Chaudhary, Parag Anand, Aditi Singh
ID/279	Rajiv Surya Sathuri	<p>Care-S: Easy Transfer Wheelchair</p> <p>Design Brief An easy transfer wheelchair solution, which reduces the long term physical strain faced by caregivers for transferring paralyzed person from wheelchair to bed</p>	Vinod Gupta, Parag Anand, Aditi Singh
ID/280	Rohit S. Sharmilee	<p>Load Carrying Solution</p> <p>Design Brief To design an aid/product which helps people carry things and patients in hilly terrain by decreasing their effort and increasing their efficiency</p>	Aditi Singh, Parag Anand
ID/281	Shamik Sarkar	<p>Oni: Hybrid Two-Wheeler</p> <p>Design Brief To design a hybrid motorised 2 seater bike for urban commuting</p>	Parag Anand, Aditi Singh

ID/282	Thomas C Oommen	Spectacle: A Telemedicine Workstation Design Brief To design and develop an IoT enabled patient diagnostics system for Primary Healthcare Centres (PHC)	Ruchin Chaudhary, Parag Anand, Aditi Singh
ID/283	Tridib Ray	Karwa: General Coach Redesign	Parag Anand, Aditi Singh

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

Nil

12. 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.

13. Completed and ongoing research projects in the Department

Nil

14. Details of consultancy projects undertaken by Department

Krity Gera

- IPPB Corporate Office – India Post
- National War Memorial Design Brief document – Associate to Professional Advisor – Ministry of Defense, Government of India.
- Competition design brief document – Election Commission of India.

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

None

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

- “Reducing Urban Garbage” – published in Technical Today Magazine, September, 2016
Krity Gera
- Reviewed Manuscript: “Design Based on Nature- A literature Investigation”, for EandPDE'16 Aalborg University, Denmark , September 2016- –Aditi Singh.
- “India Design Book 2016”, Save3: An IoT resource saving device, p. 65, Parag Anand Meshram and Aditi Singh
- Guest Editor for – Design for All Institutes of India – November 2016 – Krity Gera
- Article “Design Education in India” - Design for All Institutes of India – Krity Gera
- Article “Role of contrast in Design for Sustainability” - Design for All Institutes of India
Krity Gera

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

Parag Anand Meshram

- Member of the Design Innovation Centre Roundtable conducted by the National Innovation Foundation at the Rashtrapati Bhawan, 8th March 2017
- Jury Member for the Delhi Architecture Festival Awards 2016, 5th January 2017
- Jury Member for final thesis projects at IIT Delhi, M.Des Program, June 2017
- Member ITPI, New Delhi
- Board IIT Delhi B. Des
- Member, General Council, SPA.
- Hon. Hostel Warden and Co – Chairman, Hostel Management Committee
- Member, Harassment at Workplace Committee
- Member DU: Design Innovation Centre, Advisory Committee
- Member, IQAC.

Krity Gera

- Member of Student Grievances Committee
- Area Advisory Board - Amity School of Design, Amity University
- Member of Council of Architecture
- Member of Admission Committee of the Department

Aditi Singh

- Member of the Design Innovation Centre Roundtable conducted by the National Innovation Foundation at the Rashtrapati Bhawan, 8th March 2017
- Jury Member for the Delhi Architecture Festival Awards 2016, 5th January 2017
- Member of panel of 50 top design experts in the country to contribute to developing a new industrial design policy. “The Rise of Design in Innovation: Study on Indian Industrial Design Capability and Developing a Strategic Action Plan” for (DST), Ministry of Science and Technology. June 2016
- Jury Member for final thesis projects at IIT Delhi, M.Des Program, June 2017
- Nominated as Fellow of the World Technology Network
- Faculty Placement Coordinator: Department of Industrial Design
- Member Anti Ragging Committee, SPA
- Member of Council of Architecture
- Member Delhi University-Design Innovation Centre Advisory Committee

18. Exhibitions, Seminars or workshops organized by the students and faculty of the Department

- “Design Thinking for Mathematicians”, a two day-long workshop for aspiring mathematics teachers by Parag Anand and Aditi Singh at DUDIC, 29 September 2016
- Neerja Tiku and Krity Gera mExhibition – Design for Sustainability – Delhi and Design for Indian Railways.

- Aditi Singh curated, designed and set-up an exhibition showcasing works of all departments at SPA in collaboration with HUDCO at the India International Trade Fair November 2016, New Delhi

19. Seminars or workshops attended by the faculty of the Department

Parag Anand Meshram

- UX Now: Iterate, The annual Design Conference on User Experience Design. IIT Delhi 11 November 2016
- India-UK Tech Summit, 7-9 November 2016, New Delhi
- Attended Festival of Innovation at the Rashtrapati Bhawan, March 2017

Krity Gera

- Attended Course – Teaching Entrepreneurship in Schools (Slovenia)
- Attended Course – Big Data Analytics (IIT Roorkee) (National Level)
- Attended Course – Design for Development, GIAN – University of Mysore
- Attended Women in Architecture.
- Attended UK – India Design Summit – 2016 (New Delhi) (National Level)
- Attended Conference on “Design and Innovations” – IIT Delhi – June 2017 (National Level)

Aditi Singh

- India International Trade Fair 2016: curated, designed and fabricated SPA-HUDCO stall.
- Presented at and participated in a Panel Discussion at the 59th Annual National Convention of NASA, Poornima University, Jaipur on “Thinking +Design=Innovation?” 18 January 2017
- UX Now: Iterate, The annual Design Conference on User Experience Design. IIT Delhi 11 November 2016
- India-UK Tech Summit, 7-9 November 2016, New Delhi
- Attended Conference on “Design and Innovations” at IIT Delhi – June 2017
- Attended Festival Of Innovation at the Rashtrapati Bhawan, March 2017

20. Courses and training programs of attended by the faculty of the Department

- Attended course on - Big Data Analytics in Urban Planning and Management - June 2016; Duration of course - 1 week (Krity Gera)
- Attended course on - Teaching Entrepreneurship in Schools - June 2016; Duration of course - 1 week (Krity Gera)

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

Name of Student and Faculty	National and International Level
Sravan Satheesh, I Year ID Rahul K, I Year ID Parag Anand, Aditi Singh, Ruchin Chaudhary	“A” Design Award for Loop Water Heater , in Home Appliance Design Category 2016-17. Awarded on 15 th April 2017, Milan, Italy
Abhinav Verma, I Year ID	First Prize at UX Now: Annual Design Conference at IIT Delhi for the Competition “How can design help us drive better”, 11 Nov 2016
Sarthak Rohilla, I Year ID	Second Prize at UX Now: Annual Design Conference at IIT Delhi for the Competition “How can design help us drive better”, 11 Nov 2016
Aditi Singh and Parag Anand	Design of Red Dot Award winning project, “Save3” featured among the top Indian Designs of the year in the prestigious CII India Design Book 2016.

22. Internal and external members of the Board of Studies

Internal

- Neerja Tiku, Chairperson
- Parag Anand Meshram, Member
- Kriti Gera, Member
- Aditi Singh, Member

External

- Mr. A Balasubramaniam, Product Designer
- Prof. Lalit Das, Creative Director and Location Manager, Philips Design India
- Mr. Chetan Sorab, LG Electronics India Pvt. Ltd.
- Mr. Sabyasachi Paldas, Senior Vice President, Design Services at Incubis Consultants (India) Pvt. Ltd.
- Ms. Anubha Kakroo, Dean and Professor, DIT University

23. Internal and external members of the Departmental Research Committee

Not applicable presently

24. Prominent visitors to the Department of studies

Prof S.K. Atreya along with the students of Master of Design students of IIT Delhi visited the Department of Industrial Design on October 2016 for an interaction session and collaborative project discussion between both institutes

25. Details of activities under various MOUs during the reporting year

Nil

26. 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 TVS Motors, Desmania Design Workshops, Sangaru design studio, Tata Elxsi design studio. Kohler Design and Research Facilities, Gurgaon.

27. Any other information

None

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 Landscape Architecture
- Ph.D.

3. Year of establishment of the Department

1972

4. Faculty profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Years of Experience	Remarks, if any
Surinder Suneja	Masters in Landscape Architecture, Ph.D.	Professor and Head of the Department	Landscape Architecture	40	Doctorate guidance at Delhi University and SPA Vijayawada
Rommel Mehta	B. Arch., PG. diploma in Landscape Architecture, Ph.D.	Professor	Landscape Architecture Design; Site Planning and Landscape Engineering; Hydrology; Plants and Design	34	-
Aarti Grover	B. Arch., M.L. Arch.	Assistant Professor	Landscape Architecture	15	-

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	I	LA – 5, Landscape Architecture Studio –I	12
	II	LA – 8, Planting Design, Management and Landscape	2
		Economics	
		LA – 9, Landscape Architecture Studio –II	13
		IE – I, Institutional Elective	2

Rommel Mehta	III	LA -14, Landscape Resource	1
		LA – 15, Dissertation : Seminar	4
		LA – 16, Landscape Architecture Studio - III	5
	IV	LA – 17, Landscape Resource	1
		LA – 18, Landscape Project Management and Professional Practice	2
		LA – 20, Landscape Architecture Studio - IV	9
Aarti Grover	I	LA – 4 Landscape Engineering –I (Theory)	1
		LA – 4 Landscape Engineering –I (Studio)	2
		LA – 5 Landscape Architecture Studio – I	13
	III	LA – 12 Landscape Economics, Management and Horticultural Practice	2
		LA – 16 Landscape Architecture Studio – III	14
	IV	LA- 17 Landscape Conservation and Regional Landscape Planning	2
		LA-20 Landscape Architecture Studio - IV	14

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

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
Prof. Dr. Garima Malik	I	LA -1, Soils	1
Prof. Dr. A. M. Bhola	I	LA – 1, Geology	1
Prof. Dr. Gauhar Mahmood	I	LA – 2, Hydrology and Geomorphology	2
Dr. Monika Koul	I	LA – 3, Ecology	1
Dr. Sushma Moitra	I	LA – 3, Plant Taxonomy and Plant Physiology	1
Ms. Jayashree Mahana	I	LA – 4, Landscape Engineering	3
Sh. Nikhil Dhar	I and III	LA – 4, Landscape Engineering LA – 16, Professional Communication	3 2
Ms. Nidhi Madan	I	LA – 5, Landscape Architecture Studio – I	9
Ms. Savita Punde	I	LA – 5, Landscape Architecture Studio – I	9

Ms. Pallavi Mohan	I	L _A – 5, Landscape Architecture Studio – I	6
Ms. Jasleen Kaur	I	L _A – 5, Landscape Architecture Studio – I	6
Sh. Pankaj jain	I	L _A – 5, Landscape Architecture Studio – I	9
Sh. Harbir Singh Chopra	I	L _A – 5, Landscape Architecture Studio – I	6
Sh. Imran Khan	III	L _A – 16, Landscape Architecture studio -III	6
Sh. Krishan C. Sinagl	III	L _A – 16, Landscape Architecture studio -III	6
Sh. Minesh Parikh	III	L _A – 14, Landscape Resources L _A – 16, Landscape Architecture studio -III	1 6
Ms. Nandita Parikh	III	L _A – 13, Theory of Landscape Architecture	2
Ms. Nandini Rewari	III	L _A – 16, Landscape Architecture studio -III	9
Ms. Neha Gupta	III	L _A – 15, Dissertation : Seminar L _A – 16, Landscape Architecture studio -III	4 2
Sh. Samir Mathur	III	L _A – 16, Landscape Architecture studio -III	6
Sh. Suresh Purandare	III	L _A – 15, Dissertation : Seminar L _A – 16, Landscape Architecture studio -III	4 8
Ms. Vina Biswas	III	L _A – 16, Landscape Architecture studio -III	8
Ms. Poonam Saini	III	L _A – 16, Landscape Architecture studio -III	6
Ms. Geeta Wahi	III	L _A – 16, Landscape Architecture studio -III	6
Sh. P.S. Uttarwar	II	L _A – 6, Remote Sensing and GIS based Land Information System	2
Sh. Suneet Mohindru	II	L _A – 7, Theory of Landscape Architecture -I	2
Sh. Nikhil Dhar	II and IV	L _A – 9, Landscape Architecture Studio – II L _A – 20, Professional Communication	6 2
Ms. Savita Punde	II	L _A – 9, Landscape Architecture Studio – II	9
Ms. Jasleen Kaur	II	L _A – 9, Landscape Architecture Studio – II	6
Sh. Harbir Singh Chopra	II	L _A – 9, Landscape Architecture Studio – II	8
Sh. Suresh Purandare	IV	L _A – 19, Landscape Resources L _A – 20, Landscape Architecture Studio -IV	11

Sh. Krishan C. Singal	IV	LA – 20, Landscape Architecture Studio -IV	6
Sh. Imran Khan	IV	LA – 20, Landscape Architecture Studio -IV	7
Ms. Geeta Wahi	IV	LA – 20, Landscape Architecture Studio -IV	5
Ms. Jayashree Mahana	IV	LA – 20, Landscape Architecture Studio -IV	4
Ms. Nandini Rewari	IV	LA – 20, Landscape Architecture Studio -IV	9
Sh. Samir Mathur	IV	LA – 20, Landscape Architecture Studio -IV	6
Ms. Vina Biswas	IV	LA – 20, Landscape Architecture Studio -IV	7
Ms. Poonam Saini	IV	LA – 20, Landscape Architecture Studio -IV	6
Ms. Neha Gupta	IV	LA – 20, Landscape Architecture Studio -IV	6
Shri Minesh Parikha	IV	LA – 20, Landscape Architecture Studio -IV	4

(b) Details of Special Lectures undertaken in the Department

Name of the Expert	Semester	Topic	Date
Shri Vijay Dhasmana	III	Aravalli Biodiversity Park	16 November 2016
Prof. Dr. Meenakshi Dhote	II	Biodiversity and its application	8 and 26 February 2017
Shri Farahad Contractor	II	Irrigation and Water management System	10 February 2017
Shri Abhay Wadhwa	II	Lightning	17 February 2017
Prof. Ravindera Bhan	II	Site Planning	8 March 2017
Prof. Dr. C.K. Varshney	II	1. Air pollution and its mitigation with vegetation. 2. Sustainable development and ecology.	2 and 9 March 2017
Prof. Dr. Sushma Moitra	II	1. Vegetation of Delhi Region. 2. Ecological implication in designing landscape.	10 and 17 March 2017
Shri Arnab Banerji	II	Sign Design and Wayfinding	12 April 2017

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

Joint studio program with Departments of Architectural Conservation, Urban Design and Industrial Design.

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

Semester	Project Title/Topic	Description
First	<ul style="list-style-type: none"> • Book Review • Case Study of Parks in Delhi • Comprehensive Landscape Development Plan for ITO, Central Delhi 	<ul style="list-style-type: none"> • The objective of the introductory exercise was to familiar students with various readings in the field of Landscape Architecture - Books, notes, Journals etc. the assignment also aimed at making the students understand about the vocabulary, design approaches, eminent contributors and their philosophies in the field of landscape Architecture. • The students were given a choice of selecting readings of their own interest, within a set of articles and Books. Further the students were asked to prepare presentation sheets of the reviewed readings; in which the summary was explained through infographics. The assignment also helped student in developing the ability to represent ideas graphically in a comprehensive manner. • The students were sub divided into groups and were given case study of various parks in Delhi which includes garden of five senses, Lodhi garden, Sunder Nursery, Sanskirthi kala Kendra, Nehru Park etc. • The Project aimed at the critical appraisal of the parks in terms of various parameters in landscape design - movement patterns, material and planting palette, spatial organization etc. • The students were asked to present the case study analysis in the form of power

		<p>point presentation. Though this project student were able to understand landscape design aspects for or park.</p> <ul style="list-style-type: none"> • The city of Delhi, capital of this vast land of diversities, is a city laden with layers of history, a place where civilizations have lived, prospered and perished over centuries. The modern city today, built over and around a rich tapestry of heritage, presents an opportunity at every turn, to allow for co -existence of the past, present and the future. In order to understand this multidimensional urban spectrum and attempt to plan the future, a stretch of the Central Delhi extending from Firosha Kotla till Old Fort was studied and the criteria of selecting the site was the prime connectivity from East Delhi to Central Delhi and also the major highway linkage to other neighboring states. • The studies involve the visual tools for ground studies combined with extra assistance of Google images, the report was made as an outcome of the series of deliberations of the 1st Semester Landscape Department (2016 -18) and has been prepared on the basis of available data / information from various secondary sources and primary survey conducted at the selected site. Based on the analysis of existing situation, the report has suggested suitable measures so that urban landscape measures can be adopted while considering the redevelopment of this stretch. After the Preparation of Comprehensive Development plan for the city of ITO, students selected site of 2 -4 acres for the detailed redesign.
<p>Second</p>	<ul style="list-style-type: none"> • Urban Landscapes – Road Landscape Delhi • Cultural Landscape and Agricultural Landscape – Goverdhan, Mathura. 	<ul style="list-style-type: none"> • The study involved in understanding the landscape design of urban landscape road. The students were asked to select any roads of Delhi where there is greater scope road landscape design. • The first stage of the project was on site data collection which was followed by detailed site study and site analysis. The students were also asked to compare the

		<p>existing road section with the standards. Through this, students were able to identify the negatives of the site as well as the scope of the road to be redesigned. The design also aimed at the careful selection of plant species according to the function.</p> <ul style="list-style-type: none"> • The street-scaping project helped students in designing the roads and edges, not only for the vehicles, but also the pedestrian and cyclists. • The project involved in detailed landscape study assessment and comprehensive master plan of Goverdhan Parvat, Mathura in the site study and analysis stage, students were divided into groups to study various aspects including geographical parameters and landscape parameters. • This project helped students in understanding various cultural and environmental aspects of landscapes which had become the essence of the place. • Agrarian study of chosen agricultural sites of 5 – 10 acers also helped students in understanding the usage of natural resources in a productive manner. • After the detailed site study and site analysis, students selected sites of their own choice for the detailed design.
<p>Third</p>	<ul style="list-style-type: none"> • Landscape Development of Palika Greens, Connaught Place. • Mandu Ecotourism Study. 	<ul style="list-style-type: none"> • Landscape planning and design integrated with urban design is an important contemporary requirement. Open space above the Palika parking and Palika bazar (referred to as Palika green) in Connaught Place was selected as the site to introduce the students to the methodology and design concerns which serve as the basis for such projects. CP had the added advantage of being an important heritage site also which had a balance of green spaces and hardscape. • The students were grouped into six groups to gather data on various aspects such as vehicular and pedestrian circulation, overhead and underground services, existing planting, various kinds of activities (including vandalism and security

		<p>concerns) etc. The deliverables included analysis and proper presentation of collected data, concept generation and development of a design proposal which responded to the present situation diurnally and seasonally.</p> <ul style="list-style-type: none"> • The site was selected considering ecotourism as an important contemporary concern and demanding of a substantial design input from landscape architects. The interesting thing about the studio project was that it integrated ecological concerns with contemporary tourism's demanding requirements. The added advantage was that Mandu had been visited twice earlier by the departments students over the last decade and this provided a chance to review the situation as it had maintained/ deteriorated over time. • A week long site visit included data collection on aspects of ecology and design including history. Tourist and local circulation and the changes/ increase in infrastructure and structures. The study assessed the gradual degradation caused by human interference and related consequences. The students made the final presentation in the form of drawings and report after going through 3 intermediate reviews.
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10. Details of the thesis topics researched by the students of the final year class

Roll No.	Name of the Student	Thesis Topic
LA/553	Hetashri R. Kalyani	Master Planning and Landscape Design of Naturopathy Healing Centre in Saputara
LA/554	Aditi Kalia	Site Planning and Landscape Design of JK Lakshmi University Tehsil Sanganer, Jaipur
LA/555	Aiswariya U.	Landscape Proposal for the Conservation of Wetland System in an Urban Core: a Case of Calicut
LA/556	Akansha Veena Topno	Landscape Development of Urban Haat at Hatia Reservoir Dhurwa Ranchi
LA/557	Amisha Jangra	Landscape Development of Judicial Academy, Shimla
LA/558	Anita Raghunath Sarma	Landscape Development of the Adayar

		Estuary
LA/559	Fabeha Fatima	Landscape Assessment and Treatment: A case of AMU, Aligarh
LA/560	Himanshu Ratan Singh	Landscape Development of Administrative Block and Central Green Area of DCRUST University, Murthal, Sonapat
LA/561	Jitender Kumar Bambal	Site planning and Landscape Design proposal for Luxury Resort at Nuh, Haryana.
LA/562	Levin Samuel Peediyakal	Site Planning and Landscape Design Proposal of Hillside Resort, Munnar
LA/563	Niharika	Site Planning and Landscape Proposal for Training Institute for State Bank of India, Jaipur
LA/564	Nilanjana Saikia	Landscape Planning and Design of Lakhimpur College of Veterinary Sciences, Assam
LA/565	Nitisha Gupta	Landscape Development for Ganesh Udyan Park in Kota, Rajasthan
LA/566	Pawan Singh	Site Planning and Landscape Development of Sunarakh Van, Vrindavan
LA/567	Prachi Rastogi	Site Planning and Landscape Proposal for Chitra Kala Parisad, Bangalore
LA/568	Prithyush C.P.	Site Planning for Agricultural Research Institute, Kurnool
LA/569	Sandipan Chatterjee	Kaleidoscope of Remnants : Landscape Restoration of the Union Carbide Campus, Bhopal
LA/570	Saptaparni Manoj Chakrabarti	Site Planning and Landscape Development of MNIT, Jaipur
LA/571	Shruti Sheth	Landscape Proposal for Conservation and Redevelopment of Baija Taal area, Gwalior
LA/572	Sidharth Sarcar	Site Planning and Landscape Design Development of the Banasura Sagar Reservoir front, Vythiri, Wayanad
LA/573	Srividhya G	Anubhava - Reconstructing Cultural Landscapes and Living Traditions: A case of Kanaka Durga Temple, Vijaywada
LA/574	Sruthy Saseendran	Site Planning and Landscape Development of Chitranjali Film Institute, Trivandrum Kerala
LA/575	Varun Saini	Landscape Design Proposal for Golden Jubilee Park along Yamuna Riverfront Development at Old Railway Bridge, Delhi
LA/576	Vinita Vishwakarma	Landscape Redevelopment of Umaid Udyaan, Jodhpur

11. 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
2016	Kulsum Fatima	Water resource management of Institution to Develop Sustainable Green Campuses in India	Prof. Dr. Rommel Mehta	None

12. Research thrust areas of the Department

Landscape planning, design and water related issues in India.

13. Completed and ongoing research projects in Department

None

14. Details of consultancy projects undertaken by Department

Name of the Project and Sponsoring Agency	Name of Faculty Team Leader	Thrust Area/ Expected Outcomes	Total Grant/ Fee (Rs. in Lakhs)	Remarks
Landscape Development of Numaligarh Refinery Township, Numaligarh/Numaligarh Refinery Limited	Rommel Mehta	Site Planning and landscape Design of a Refinery township in North Eastern region		Institutional Consultancy
Landscape Development of Museum in President Estate	Rommel Mehta	Landscape Design and Detailing		Institutional Consultancy
Central Zoo Authority	Rommel Mehta	Broad Guidelines on Principles of Zoo Designing Zoos in India	Central Zoo Authority	Research Project
DCB	Aarti Grover	Rejuvenation of Water Bodies		Institutional Consultancy

15. Details of the papers published in peer reviewed journals or reviewed book chapters by the regular faculty**Ms. Aarti Grover**

Gender Perception of Safety in Urban Public Spaces: Case of New Delhi, *International Journal of Arts and Sciences*, 2017.

16. Details of other publications made by regular faculty of the Department of Studies

None

17. 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 Zoo Designing CZA, Ministry of Environment, Forest and Climate Change.

Ms. Aarti Grover

- Serving as Member of PG Board, CoA.
- Appointed as Examiner for Evaluation of NATA 2017 Booklets on 9-11.5.17

18. Exhibitions, Seminars or workshops organized by the students and faculty of the Department

Exhibitions

None

Seminars and Workshops

None

19. Seminars or workshops attended by the faculty of the Department

International

Aarti Grover

International conference attended: International Conference of Arts and Sciences, IJAS at Rome, Italy from 15 to 18 November, 2016.

Presented a Paper

International Conference of Arts and Sciences, IJAS at Rome, Italy. Title of Paper presented at this conference was 'Gender Perception of Safety in Urban Public Spaces: Case of New Delhi'.

Chairperson or Member of Panels

Chaired the Session 'Sociology and Humanities' at IJAS, Rome, Italy on 15 November 2016

Participation Only

- GIAN Workshop, SPA Bhopal, 8.12.16 – 12.12.16, SPA, Bhopal
- IGBC Conference, IHC N. Delhi, 23.11.16 – 24.11.16, IGBC, Delhi
- ISOLA Conference, Goa, 19.1.17 – 21.1.17, ISOLA, Goa

20. Courses and training programs of attended by the faculty of the Department

None

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

None

22. Internal and external members of the Board of Studies

Internal

- Prof. Dr. Surinder Suneja- Chairperson
- Prof. Dr. Mandeep Singh-Member
- Prof. Dr. Rommel Mehta-Member
- Ms. Aarti Grover-Member

External

- Shri Samir Mathur-Member
- Shri Rajnish Watts-Member
- Ms. Nandita Parikh-Member
- Dr. A.K. Bhatnagar-Member
- Dr. S.P.S. Kushwaha- Member

23. Internal and external members of the Departmental Research Committee

Internal

- Prof. Dr. Surinder Suneja- Chairperson
- Prof. Dr. Mandeep Singh-Special Invitee
- Prof. Dr. P.S.N. Rao- Coordinator Ph.D. Program
- Prof. Dr. Rommel Mehta - Member

External

- Dr. Gauhar Mahmood - Member
- Dr. Rajiv Khanna-Member

24. Prominent visitors to the Department of studies

None

25. Details of activities under various MOUs during the reporting year

None

26. Details of 'beyond syllabus scholarly activities' of the department

None

27. Any other information

- Cultural Landscape Stipendium from Bauhaus Universitat, Weimar, Germany - to attend Bauhaus Summer School 2017.
- Lut Scholarship, Lappeenranta, Finland – to attend summer school at Lappeenranta University of Technology, 2017.

DEPARTMENT OF REGIONAL PLANNING

1. Name of the Department

Department of Regional Planning

2. Names of academic programs offered by the Department

- Masters with specialization in Regional Planning
- Ph.D.

3. Year of establishment of the Department

1958

4. Faculty profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Years of Experience
N. Sridharan	M.A. (Economics), M.U.R.P, P.G. Dip. in Financial Management, P.G. Dip in Town and Country Planning (Poland), Ph.D. (RMIT-Melbourne, Australia)	Professor	Rural Development, Urban Governance, Peri-Urban Development and Corridor Development	34
Vinita Yadav	M.A. (Geography), M. Plan, (U.P), Ph.D., M.B.A. (Financial Management)	Professor and Head of the Department	Governance, Poverty and Development, Institutional Analysis, Participatory and Inclusive Development	17
Chetna Singh	M.A. (Geography), M. Plan, (R.P.)	Assistant Professor	Regional development, Public Policies in Planning, Peri-Urban Development	5

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	II	Land Market	2
		Studio	6
	III	Project Planning	1
	I and III	Studio	9
Vinita Yadav	IV	Thesis (2)	6
	I and III	Studio	9
	III	Institutional Analysis and Governance	3
	II	Planning for Region	2
	II	Poverty and Development	2
	IV	Participatory and Community Planning	2
Chetna Singh	IV	Thesis (2)	6
	II	Studio	9
	II	District Planning and Rural Development	2
	IV	Thesis (2)	6

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
N. Sridharan	Doctoral Thesis (Department of Urban Design)	3

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
Prof. Dr. Ray Bromley	III	Resettlement and Rehabilitation	3
	III	Politics and Public Policy	3
Dr. Ajinder Walia	III	Environment and Development	3
Dr. Kiran Choker	III	Environment and Development	3
Dr. Akshaya Sen	III	Project Planning	3
Prof. R.K. Barik	III	Politics and Public Policy	3
Dr. Sachin Choudhury	III	Politics and Public Policy	3
Dr. Pushpa Pathak	III	Resettlement and Rehabilitation	3
Dr. Amit Bhargava	III	Spatial Data Infrastructure	3
Dr. S.K. Kulshrestha	III	Studio	9
Dr. Mahipal	II	Studio	3
Dr. Kanchan Gandhi	III	Studio	3
	II	Studio	3
	II	Climate Change and its Impact	3
	IV	Thesis	6
Rajeev Malhotra	II	Infrastructure Management	2
Shireesh Balwant Khodankar	II	Studio	6

Rakesh Ranjan	IV	Financing Development	3
Sanjeev Saxena	IV	Legal Issues in Planning and Professional Practice	3
Abha Singhal Joshi	IV	Legal Issues in Planning and Professional Practice	3
Sunil Mehra	IV	Legal Issues in Planning and Professional Practice	3
Dr. Amir Ali Khan	IV	Participatory and Community Planning	1
Dr. Pushpa Pathak	IV	Future Regions	1.5
Rakesh Kapoor	IV	Future Regions	1.5
Prof. Dr. Atiya Habeeb Kidwai	IV	Thesis	9
Dr. Rumi Aijaz	IV	Thesis	6

(b) Details of Special Lectures undertaken in the Department

Name of the Expert	Semester	Topic	Date (s)
Banashree Banerjee	II and IV	Informal Land Markets	19 April 2017
Dr. Bharat Dahiya	II and IV	Learning by Doing: Climate Change and Planning for Resilience	12 April 2017
Dr. Mahendra Sethi	II and IV	Technical Report Writing	5 April 2017
Dr. Kiran Wadhva	II and IV	Demand and Supply in Land Market	22 March 2017
Dr. S.K. Kulshrestha	II and IV	Planning for Village Development	15 March 2017
Dr. Mahipal	II and IV	Implementation of Rural Development Schemes	8 March 2017
Prof. Dr. Atiya Habeeb Kidwai	II and IV	Research Methodology	12 January 2017
Mr. Rakesh Kapoor	II and IV	Technical Report Writing	12 January 2017
Prof. Dr. Saraswati Raju	II and IV	Space and Gender	9 November 2016
Dr. Mona Chabra	IV	Research Methodology	4 November 2016
Mukta Ojha	IV	Disaster and Development	19 October 2016
Rakesh Ranjan	III	Urbanisation in India: Context, Challenges and Strategy	5 October 2016
Satyendra Singh	III	Smart Cities and E-Governance	21 September 2016

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

Prof. Dr. N. Sridharan has been involved in guiding doctoral thesis (2) in Urban Design Department.

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

Semester/Year	Project Title/Topic	Description
Third Semester, July-December 2015	Regional Development Plan for Aurangabad District through Place-Based Policies	The aim of the exercise is to find out how we can formulate a regional plan identifying the key economic engines of a region and how to plan the settlement structure accordingly.
Second Semester, January-May 2017	Block and Village Development Plan for Dudu Block, 2031	The main aim is to prepare a sub-regional plan of substantial geographical size having a balanced rural-urban composition.

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

Roll No.	Name of the Student	Thesis Topic
SPA/NS/RP/1236	Akanksha Laroia	Spatial Transformation through Agriculture: A Case Study of Ganganagar District
SPA/NS/RP/1237	Amit Kumar	Impact of Delhi Metro Rail on National Capital Region
SPA/NS/RP/1238	Binil A V	Impact of Micro, Small and Medium Scale Enterprises on Regional Development: A case study on Ernakulam District
SPA/NS/RP/1239	Dhanik N	Defining Urbanisation and Urbanity with an Atypical Settlement Pattern: A Case Study of Kerala
SPA/NS/RP/1240	Gyanendita Shailly	Implication of Party Politics on Regional Development - Case Study of Betul and Harda, Madhya Pradesh
SPA/NS/RP/1241	Karan Kumar	Level of Development in Border Area, Amrtisar District
SPA/NS/RP/1242	Lovitoli Kivikhu Achumi	Spatial and Socio -Economic Contestation in Non- Inner Line Area, Dimapur
SPA/NS/RP/1243	M Preethish Raja	Impact of failure of crop in a Monoculture Region-Thiruvapur District
SPA/NS/RP/1244	Meet Fatewar	Planning Intervention for Creating Model Villages in Uttar Pradesh
SPA/NS/RP/1245	Bhagwat Ninad Shriram	Water Resource Management for Latur District
SPA/NS/RP/1246	Priya Bhardwaj	Community based Disaster Management in Uttarkashi, Uttrakhand
SPA/NS/RP/1248	Sheethal B. S.	Spatial Competition for industrialization, Kolar, Karnataka and Hosur, Tamil Nadu
SPA/NS/RP/1249	Sindhuja Garimella	Port and Port City Development in an Economically Emerging Coastal Region, case study of Kakinada port
SPA/NS/RP/1250	Vaishali	Implications of Higher Education Institutes on Regional Development: Sonapat District

11. 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
2010-2011	A.K. Mehta (SPA/NS/Ph.D./110)	Municipal Own Source Mobilization and Service Level Efficiency	Prof. Dr. N. Sridharan, Prof. Dr. Vinita Yadav, and Prof. Dr. K.K. Pandey	Thesis awarded in August 2017
2016-17	Shashi Mehta (SPA/NS/PH.D./166/2016-17)	Resource Management in Aravali 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 Management

13. Completed and ongoing research projects in the Department

S. No.	Name of the Project and Sponsoring Agency	Faculty Incharge	Thrust Area / Expected Outcomes	Total Fee (Rs. in Lakhs)
1.	Integrated Cluster Action Plan for five Clusters Under Rurban Mission; Government of Rajasthan	N. Sridharan	RURBAN Integrated Cluster Action Plan and	90
2.	Integrated Cluster Action Plan For One Cluster Under Rurban Mission; Government of Kerala	N. Sridharan	Convergence Plan Preparation	9.95
3.	'Indo-German Smart Initiative: Integrated Urban Development and Co-Production for Indian Cities' under Shaping the future – Building the City of Tomorrow of the BMBF; Federal Ministry for Education and Research (BMBF)	Vinita Yadav	Smart Initiatives	100 €

14. Details of consultancy projects undertaken by Department

Name of the Project and Sponsoring Agency	Name of Team Leader/ Faculty	Thrust Area/Expected Outcomes	Total Grant/Fee (Rs. In Lakhs)
Integrated Cluster Action Plan For Four Clusters Under Rurban Mission; Government of Uttar	N. Sridharan	Integrated Cluster Action Plan prepared and accepted by	40

Pradesh		Government of India and Government of Uttar Pradesh	
Integrated Cluster Action Plan For Two Clusters Under Rurban Mission; Government of Haryana	N. Sridharan	Integrated Cluster Action Plan prepared and accepted by Government of India and Government of Haryana	21
Framing Model Land Use and Service Level Benchmarks With Appropriate Enforcement Mechanisms in Rurban Clusters, Ministry of Rural Development, Government of India	N. Sridharan	Preparing Guidelines for all the States In India for Rurban Cluster Action Plan, in Terms of Bench Marks And Enforcement Mechanism	30

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

N. Sridharan

- Globalization from below: Productive Spaces and Small Town Transformation'. Chapter 20. In Small towns in development in India. Ed. Marie Helen Zerach, Eric Dennis. Springer, 2017.
- From Smart Agriculture to Smart Economy: Case of Vijayawada City Region', along with Raktim Ray and Aparna Soni. In 'Smart Economy in Smart Cities' Edited by Vinod Kumar, T.M. and Dahiya Bharat. Springers, Singapore. 2016.'
- History of Human Settlements: Lessons for Planning Education', Chapter 4, in Urban and Regional Planning Education in India, Ed. Ashok Kumar, Meshram and Krishna Gowda, May 2016. Springer. India.

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

- 'Smart Cities debate: A Throwback to Ancient Harappan Times?', in Business World – Smart Cities, April 2016. Pp.56-58.
- "Spatial Inclusion of Rural Areas: Role of RURBAN Mission", Published in Smart Cities: Business World, June 2016. India.

17. 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.

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

Seminars/Workshops

N Sridharan

- International Seminar on 'Urban Governance, Equity and Management' with the Embassy of the Netherlands, University of Erasmus, The Netherlands.

Vinita Yadav

- Workshop on Smart City under IGSI: Indo-German Smart initiative, German Federal Ministry of Education and Research (BMBF), 12 to 14 July 2017.

19. Seminars or workshops attended by the faculty of the Department

a. International

Vinita Yadav

- Smart City Project, German Federal Ministry of Education and Research (BMBF), 12 to 14 July 2017.
- The Economics of Low Carbon Cities in Trondheim, Trondheim Municipality and NTNU Smart Sustainable cities initiative, 28 June 2017.
- LESAM (Leading Edge Strategic Asset Management) 2017, International Water Association and NTNU at Trondheim, Norway, 21 to 23 June 2017

b. Presentation of Papers

International

Vinita Yadav

- Smart Inclusivity in a Region, Indo-German Initiative, University of Berlin, UrbanLab#1 Delhi, 12 July 2017
- Planning and Housing: Pradhan Mantri Awas Yojana and Master Plan 2021 for students and faculty of University of Edinburg, 20 February 2017

National

N. Sridharan

- Peri-Urban, Rural and RURBAN and their Governance in India', Presentation at Indian Institute of Technology, Chennai. Subsequently being published by IIT, Chennai. Jan. 2017.'
- Politics of Peri-urban development in India', Presentation at the German Research and Innovation Conference, New Delhi, India. September 30th to October 1, 2016. India Habitat Center, New Delhi. Being published by German Foundation, India.'
- Tracing the Satavahanas: Religion, Identity Politics and the Future State', special lecture in the Department of Architecture Conservation, SPA, Delhi. 2016.'
- Forgotten Past, Morphed Present and Planning for the Future: History and Geography of Urbanization in India', presentation made at the National Conference on Urbanisation and Architecture, Government College of Engineering, Department of Architecture, Thirussur, Kerala. October 2016.'
- Historic Urbanisation and its Deccan Spread', presentation at Lovely Professional University, Pagwara, Punjab. December, 2016.'
- Spatial Integration through Sardar Patel's Eyes', presentation in School of Planning and Architecture, New Delhi on the occasion of the Birthday Celebration of Indian Iron Man Sh. Vallabhai Patel.

Vinita Yadav

- Sanitation Situation in Urban India: Problems and Prospects in a seminar on Swatch Bharat Mission: Implications for public Health and Sanitation, Indian Institute of Public Administration
- Issues related to poverty, public spaces, informal economy and provision of infrastructure to students and staff from Denmark, 1 March 2017.
- Planning and Monitoring and Evaluation - An Integrated Approach to Smart Cities, National Productivity Council, 15 February 2017

c. Chairperson/Member of Panels**N. Sridharan**

- Dr. Sridharan has chaired more than eight sessions in various National and International conferences within India and abroad.

d. Participation Only**Vinita Yadav**

- International workshop on 'Future of Cities: Opportunities and Challenges' organized by Institute of Town Planners, India on 27 and 28 July 2017.
- German Federal Ministry of Education and Research (BMBF) pre-event of Smart Cities India Exhibition in Delhi. Campaign 'Building the City of Tomorrow'. meeting with Indian and German experts from urban development and to exchange knowledge, ideas and experiences for building sustainable, energy-efficient and attractive cities of the future on 9 May 2017
- Roundtable on "The Urban Planning Conundrum in India" at SPA Delhi on 8 March 2017.
- Workshop conducted by ITPI on 'Writing Papers in Peer-reviewed Journals' on 1st January 2017

Chetna Singh

- International workshop on 'Future of Cities: Opportunities and Challenges' organized by Institute of Town Planners, India on 27 and 28 July 2017.
- Lecture on 'Urban Governance in India' by Isher Judge Ahluwalia, organized by CSDS on 12 April 2017.
- Workshop conducted by ITPI on 'Writing Papers in Peer-reviewed Journals' on 11 January 2017.

20. Courses and training programs of attended by the faculty of the Department

Nil

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

- Second prize, Diki Wangmu Bhutia, ITPI award, 2017

22. Internal and external members of the Board of Studies**Internal**

- Prof. Dr. N. Sridharan, Department of Regional Planning, SPA Delhi
- Prof. Dr. Vinita Yadav, Department of Regional Planning, SPA Delhi

External

- Dr. S.P. Bansal, 1/5 Shabd Pratap Ashram Laskhar, Gwalior.
- Prof. Dr. Binayak Choudhary, Dean (Research) and Professor, Planning, School of Planning and Architecture, Neelbad Road, Bhauri, Bhopal.
- Dr. S.K. Kulshreshtha, AO-27, Kala Kunj, Shalimar Bagh, Delhi,

23. Internal and external members of the Departmental Research Committee

Internal

- Prof. Dr. Mandeep Singh, Dean of Studies, SPA, Delhi.
- Prof. Dr. P.S.N. Rao, Ph.D. Coordinator, SPA, Delhi.
- Prof. Dr. N. Sridharan, Member, SPA, Delhi.
- Prof. Dr. Vinita Yadav, Member, SPA, Delhi.

External

- Prof. Shrawan Acharya, Member, Center for the study of Regional Development, JNU, New Delhi.
- Dr. Partha Mukhopadhyay, Member, Centre for Policy Research, Delhi.
- Prof. Dr. K. K. Pandey, Member, IIPA, Delhi.

24. Prominent visitors to the Department of studies

None

25. Details of activities under various MOUs during the reporting year

None

26. Details of 'beyond syllabus scholarly activities' of the department:

None

27. Any other information

Prof. Dr. Vinita Yadav evaluated and attended viva voce on 19 April 2017 for dissertation titled 'Household Participation in Waste Segregation: A case study of Vishakhapatnam, 42nd Advanced Professional Programme in Public Administration (APPPA), Indian Institute of Public Administration, New Delhi.

DEPARTMENT OF TRANSPORT PLANNING

1. Name of the Department

Transport Planning Department

2. Names of academic programs offered by the Department

- Masters in Planning with specialization in Transport Planning
- Ph.D.

3. Year of establishment of the Department

1969

4. Faculty profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Number of Years of Experience	Remarks if any
Sanjay Gupta	M.Sc., M.T.P., Ph.D.	Professor and Head of Department	Public Transport Freight Logistics, Transport Policy, Travel Behavior analysis and modeling, Transport Planning , Climate change	31	Head, Transport Planning since 19 May 2017, Head, Urban Planning Department till 18 May 2017
P.K. Sarkar	B.E. (Civil), P.G. Dip. T and CP (TTP), M.Sc. Transport Engg. (U.K.), Ph.D.	Professor	Transport Planning Modeling, Traffic Engineering, Road Safety, Economic and Financial feasibility , ITS	39	Head, Transport Planning till 18 May 2017
Sewa Ram	B. Tech. (Civil) IIT Delhi, M. Plan (Transport), Ph.D.	Professor	Transport Infrastructure Design, Traffic Engg. Geometric Design, Capacity of roads and Intersection	27	24 years as full time faculty

Bhaskar Gowd Sudagani	B. Tech Civil M. Plan Transport Planning	Assistant Professor	Engineering Economics, Highway Planning and Design, Urban Transport planning	10	-
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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
Sanjay Gupta	I	Studio Guidance	
	III	Logistics and Distribution Management	2
	IV	Transport Policy, Legislation, Institutional Framework	3
			3
	IV	Thesis guidance	2
P.K. Sarkar	II	Urban Transport Planning	2
	II	Planning and Design Studio	3
	IV	Thesis Guidance	4
	III	Analytical Transport Planning	2
		Intelligent Transport System	1
		Design Studio	3
Sewa Ram	II	Traffic Engg.	3
		Design studio	3
	III	Transport Infrastructure design	3
		Road Safety and Environment	2
	IV	Thesis guidance	6
Bhaskar Gowd Sudagani	III	Planning and Design Studio(Economics and Management)	5
	III	Engineering Economics	3
	III	Analytical Transport Planning	1
	II	Planning and Design Studio(Transport Plan Preparation)	10
	II	Urban Transport Planning	2
	IV	Planning and Design Studio (Thesis Guidance)	4

6. Detailsofteaching 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
Sanjay Gupta	III	Energy, Climate Change and Urban Development	1
			4

	III	Studio (Guidance)	1
	IV	Thesis (Guidance)	2
	II	Land Use and Transport Planning	2
	II	Studio (Guidance)	
P.K. Sarkar	M Plan I	Studio (Guidance)	
Sewa Ram	M Plan I	Infrastructure and Transport Planning Design studio	1 6
Bhaskar Gowd Sudagani	M Plan I	Design Studio	6
	M Plan I	Infrastructure and Transport Planning	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
Ms. Viashali	II	Studio	6
Mr. Sairam Dasari	II	Studio	3
Mr. Prabhu	II	Studio	3
Mr. Y P Sachdeva	II	Studio	6
Mr. Saikat Bose	II	Studio	6
Mr. Banibatra Mondal	II	Lecture	
Mr. Prabhu	III	Studio	3
Mr. Anupam Vibhuti	III	Studio	3
Mr. R.S. Minhas	III	Studio	3
Ms. Aditi Mitra	III	Studio	3
Mr. Ashok Bhattacharjee	III	Studio	3
Mr. Laghu Parashar	III	Studio	3
Mr. Banibatra Mondal	III	Lecture	2
Mr. Laxmikantan	III	Lecture	3
Dr. G.C Tripathi	IV	Lecture	3
Mr. M L Chotani	IV	Lecture	1
Mr. Piyush Kansal	IV	Thesis	6
Ms. Viashali	II	Studio	6
Mr. Laghu Parashar	IV	Thesis	6
Mr. Anupam Vibhuti	IV	Thesis	6
Dr. Sandeep Garg	IV	Thesis	6
Dr. Rajesh Chandra	IV	Thesis	3
Dr.M.S.Gangopadhyay	IV	Thesis	3
Dr. R S Minhas	IV	Thesis	6
Mr. Samir Sharma	IV	Thesis	6

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

Name of the Expert	Semester	Topic	Date
Sh. R.S Minhas	IV	An approach bus transportation planning including maintenance operation in Delhi urban area	11 March 2016

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

Nil

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

Semester	Project Title/Topic	Description
Second	Comprehensive Mobility Plan for Gandhinagar, Gujarat	The main aim of the studio exercise was to prepare a Comprehensive Mobility Plan for smart city of Gandhinagar. A number of transportation studies were carried out to estimate the base and future year travel demand. Four stage transport models were developed and future total 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 BRT and MRTS along with the integration of non-motorized transport.
Third (Planning stream)	Management of Public Transport Operation in Delhi Urban Area	The main aim of this studio was to prepare management plan for public transport operations in Delhi. Based on the availability of secondary data, reports and documents on relevant studies conducted in various cities in the world, a limited primary data was collected in regard to i) Passenger Opinion, ii) Operator Opinion and iii) Expert opinion to be a part of the study coupled with v) bus productivity data with respect to present administration management, workshop management, maintenance management and financial managements studied in detail. Selected DMRC Bus Routes integrating the Delhi Metro was also studied to examine their routing structure. Finally bus management plan was prepared along with the feasibility of ITS based Common Mobility Card between Buses and Delhi Metro system.
Third (Engineering Stream)	Design of Transit and Pedestrian Facilities and multi-modal interchange at IFFCO Chowk	The main objectives of the studio exercise were to improve pedestrian safety and provide a comfortable and accessible environment for pedestrians at IFFCO Chowk. The study incorporated analysis of pedestrian desire, pedestrian crossing behavior, design of facilities such as sidewalks, safe crossings for pedestrians and provide an efficient and comfortable interchange at IFFCO chowk.
Third (Economics and Management Stream)	Transport Strategies for zero vehicular emissions – Case study Amravati	The main aim of the studio exercise was to develop transport strategies for zero vehicular emissions: Case study Amravati. The study was based on secondary data taking Master Plan proposals for Amravati.. It proposed various zero emissions strategies for the city and carried out the economic and financial appraisal of the suggested proposals

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

Roll No	Name of the Students	Title of Thesis
SPA/NS/TP/561	Aditya Karan	Study of traffic flow behavior at signalized

		intersection
SPA/NS/TP/562	Amal jose	Benchmarking for accessibility and connectivity for planning of Air-terminals
SPA/NS/TP/563	Animesh Kumar Singh	Experimental Investigation of Informatory Signage with respect to driver perception and reaction
SPA/NS/TP/564	Aninda Bijoy Paul	Environmental cost for traffic operations in urban areas
SPA/NS/TP/565	Grace Dorathy Laloo	Role of cable car for mobility enhancement in hill town Shillong
SPA/NS/TP/566	Jyotiraditya Verma	Assessment of Bus Service reliability and its impact on Travel Behavior of users
SPA/NS/TP/567	Kalyani Menon	Study of behavior of the two wheeler traffic in urban areas
SPA/NS/TP/568	Manmohan Singh	Assessment of risk for pedestrian traffic crossing at different locations in urban areas
SPA/NS/TP/569	Monica Sree Yarlagaadda	Impact of proposed port on urban and regional network
SPA/NS/TP/570	Naina Gupta	Environmental Capacity of Roads.
SPA/NS/TP/571	Nishant Varshney	Transport and safety in construction of mega projects
SPA/NS/TP/572	Pintu Saini	Feasibility of electric bus operation in urban area-Delhi
SPA/NS/TP/573	Pradip Sharma	Impact of Urban Structure on freight movement pattern
SPA/NS/TP/574	Prakash Ramappa	Role of ITS in last mile connectivity
SPA/NS/TP/575	Prasad Shekhar	Scientific investigation of accident Black spot locations in Delhi.
SPA/NS/TP/576	Rohan Singh Raghuvanshi	Measures for assessment of Zero fatality on Yamuna Expressway
SPA/NS/TP/577	Rohit Kashyap	Role of ITS in enhancing efficiency of Transport Interchange
SPA/NS/TP/578	Rohit R.P.	Travel Demand modeling using soft computing.
SPA/NS/TP/579	Rushabh Harish Gandhi	Transport strategy for redevelopment of CBD
SPA/NS/TP/580	Satish Kumar Godasi	Transport demand assessment and infrastructure for smart cities
SPA/NS/TP/581	Shailendra Pratap Singh	Landscaping for Safe highways
SPA/NS/TP/582	Suhas Sharma	Methodology for rationalization of bus routes in urban area
SPA/NS/TP/583	Sumana Mitra	Abstract mode choice modeling for intercity travel demand

11. 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
2010-11	Amit Arora	The impact of socio economic and built environment characteristics on travel behavior in residential neighborhoods	Prof. Dr. Sanjay Gupta	Research completed, Report being finalized, Synopsis sent to examiners
2012-13	Amit Kumar Jain	Easing peak hour traffic congestion of metro rail through demand and supply management strategies	Prof. P.K. Sarkar	Research completed, viva voce examination conducted , degree recommended
2012-13	Anjali Goyal	A new Investment Model for High Speed Rail in India	Prof. P.K. Sarkar	Research completed, Report Writing in progress, Examiners to be finalized
2013-14	Bhaskar Gowd Sudagani	Effect of Driver behavior on Capacity of Roundabout	Dr. Sewa Ram and Prof. Dr. P.K. Sarkar	Advanced stage of research
2013-14	Mayank Dubey	Traffic flow characteristics on Merging and Diverging Section	Dr. Sewa Ram and Prof. Dr. P.K. Sarkar	Viva voce Examination completed , degree recommended
2014-15	Ammu G.	Composite level of service for signalized Intersection	Prof. Dr. Sewa Ram and Prof. Dr. P.K. Sarkar	Research completed, Report Writing in progress Synopsis sent to examiners
2014-15	Chidambara	A comprehensive approach to last mile connectivity for public transport system	Prof. Dr. Sanjay Gupta	Advanced stage of research, extensive data analysis
2016-17	Swarup Mukherjee	A Rational Approach In Urban Transport Investment Policy In India.	Prof. P.K. Sarkar	Initial stages, research problem conceptualization and finalization of methodology
2017	Laghu Parashar (PT)	Sustainable Public Private Partnership Framework for city bus operation	Prof. Dr. Sanjay Gupta	Newly Registered
2014-15	Farhat Azad	Assessment of impact of freight traffic on road safety in Delhi, NCR	Prof P.K Sarkar	Initial stages, research problem conceptualization and finalization of methodology

12. Research thrust areas of the Department

- Transport policy and governance
- Sustainable Transport System
- Highway Capacity
- Climate change and urban transport
- Urban Freight Logistics
- Road safety and environment
- Public transport system
- Integrated land use transport system

13. Completed and ongoing research projects in Department

Name of the Project and Sponsoring Agency	Name of Faculty Team Leader	Thrust Area/Expected Outcomes	Total Grant/Fee (Rs. in Lakhs)
Indo – Highway Capacity Manual for India sponsored by Niti Ayog, GOI with research partners CRRI IIT Mumbai, IIT Roorkee, SVNIT Surat, Anna University, IIT Guwahati, and IEST Shibpur	P.K. Sarkar (Coordinator), Sanjay Gupta, Sewa Ram and Bhaskar Gowd Sudagani	Develop highway capacity norms and standards for India	100 (2012-2017)
CLIMATRANS sponsored by Norway Research Council with research partners, TOI Oslo, IIT Mumbai, IISc Bangalore, and TERI, Delhi	Sanjay Gupta (Coordinator)	The main outcome was to propose Climate change Mitigation and adaptation policies in transport sector for case cities of Delhi, Mumbai and Bengaluru. One workshop was conducted for feedback	60 (2014-17)

14. Details of consultancy projects undertaken by Department

Name of the Project and Sponsoring Agency	Name of Faculty Team Leader	Thrust Area/Expected Outcomes	Total Grant/Fee (Rs. in Lakhs)
NTPC Farakka	P.K. Sarkar, Sewa Ram and Bhaskar Gowd Sudagani	Efficient distribution of Fly ash using optimal transport routes and cost for various potential destination	15

15. Details of the papers published in peer reviewed journals or reviewed book

(a) Journals

Sanjay Gupta

- Revitalization Strategies for Urban Circular Railway System in A Metropolitan City Case Study- Kolkata, Research journal of Institute of Urban Transport (India), Oct. 2016, ISSN 2395-2492
- Sustainable Urban Freight Distribution Strategy for the Metropolitan City of Kochi, Research journal of Institute of Urban Transport (India), Oct. 2016, ISSN2395-2492
- Public Transport Development Strategies for Emerging Metropolis- A Case of Noida, Research journal of Institute of Urban Transport (India), Oct. 2016, ISSN2395-2492
- Planning for First and Last Mile Connectivity of Mass Transit Users in Urban Areas, Research journal of Institute of Urban Transport (India), Oct. 2016, ISSN2395-2492
- Implication of Smart Growth Strategies in Residential Neighbourhoods on Sustainable Mobility Case Study Delhi, Research journal of Institute of Urban Transport (India), Oct. 2016, ISSN 2395-2492
- An Approach for Locational Efficiency Assessment of Bus Depots – Case Study of Delhi, Journal of Institute of Urban Transport (India), Oct. 2016, ISSN2394-3238
- Role of Non -Motorized Transport in Distribution of Goods in the Metropolitan City of Delhi, Transportation Research Procedia 25C (2017) 978–984
- Logistics Sprawl in Timber Markets and its Impact on Freight Distribution Patterns in Metropolitan City of Delhi, India, Transportation Research Procedia 25C (2017) 965–977

P.K. Sarkar

- Elasticity Analysis of Effect of Economic Parameters on 'Travel Demand in Delhi, India' published in March, 2016 edition of International Journal of Scientific Research
- Demand Elasticity of Capacity offered for Urban Rail Transport' accepted for publication in Journal of transportation technologies (JTT) in July 2106
- Demand and Supply Strategies to Ease Peak Hour Congestion in Metro Rail Transport System' published in International Journal for Scientific Research and Development | Vol. 4, Issue 02, 2016 | ISSN (online): 2321-0613
- Elasticity Model for Easing Peak Hour Demand for Metrorail Transport System' published in International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering July2016
- Demand estimation of Personal Rapid Transit (PRT) using stated preference technique and binary logit models. Journal of Transport Literature Vol 10(2), (<http://dx.doi.org/10.1590/2238-1031.jtl.v10n2a1>), (July 2015).
- Potential of personal rapid transit system to meet the urban transport deficit. International journal for traffic and transport engineering (ijtte), Vol 6(3). (Aug 2016).

the 7th International Conference on Ambient Systems, Networks and Technologies, 1877 - 0509 © 2016 The Authors. Published by Elsevier B.V. This is an open access article under the CC BY-NC-ND license, (<http://creativecommons.org/licenses/by-nc-nd/4.0/>), Procedia, Computer Science, Elsevier.

- Analysis of Estimating Saturation Flow under Heterogeneous Traffic Condition as against Conventional Techniques , IJSRD - International Journal for Scientific Research and Development | Vol. 4, Issue 09, 2016 | ISSN (online): 2321-0613, pg. 706 – 710
- Benchmarking Of Personal Rapid Transit System (Dynamic Model). Transportation Research Procedia - WCTRS Conference, Shanghai China. (July 2016).

Bhaskar Gown Sudagani

- Assessing Mode Choice Behavior of Tourists: Delhi , published in Urban India-2016, A Journal of National Institute of Urban Affairs(NIUA); Vol. 36, ISSN: 0970- 9045.

Book /Book Chapter

P.K. Sarkar

- Second Edition, Transportation Planning: Principles, Practices and Policies, PHI Learning Private Limited, 2017, Eastern Economy Edition. Second Edition,
- Theory and Applications of Economics in Highway and Transport Planning, Standard Publishers Distributors, 2017

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

Sanjay Gupta

- Published an issue each of " Urban Transport Journal Vol. 15, No.1, Oct 2016 ISSN 2394-3238 " and "Urban Transport Research Journal ISSN 2395 -2492, Nov. 2016 " in the capacity as Chairman, Publication Committee of the Institute of Urban Transport , India
- Paper on "Characteristics, Challenges and Emerging Trends In Trucking Industry of India" , published in Conference proceedings of National Conference on Road Transport, organized by All India Motor Transport Workers federation, Oct 2016
- Article on "Wasted miles in Trucking Industry" in CARGOCONNECT, Logistics magazine, Delhi, April 2017
- Article on "Impact of Budget on Transport sector" In CARGOCONNECT, Logistics magazine, Delhi, March 2017

P.K. Sarkar

- Role Of Intelligent Transport In Public Transport Operation, Published In Souvenir, All India Road Transport Federation, 2017
- An Approach Towards Smart Building Design For Smart Cities, Presented And Published At A Seminar Of " Architecture And Smart City Mission " Northern Har yana, Punjab, Himachal Pradesh, Up and Uttarakhand, April, 2016, New Delhi
- Behavior Of Traffic Flow Parameters For Varying Geometric Variables Of Mid -Block Merging Sections, World Conference On Transport Research – WCTR 2016 Shanghai. 10-

15 July 2016

- Disaster Management From The Perspective Of Transport Sector.
- A Scientific Investigation Accident Black Spot In Delhi,” Received The Certification Of Appreciation For The Presentation Of The Paper At the 4th Conference on Transportation System Engineering and Management (CTSEM), held in Chennai, May, 2017.
- Transport Strategies for Densification of a Central Business District, received the Certification of Appreciation for the presentation of the Paper at the 4th Conference on Transportation System Engineering and Management (CTSEM), held in Chennai, May, 2017.
- Behavior of traffic flow parameters for varying geometric variables of mid-block merging sections, Proceedings of World Conference on Transport Research -WCTR 2016 Shanghai, July 2016.

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

(a) International Committees

Sanjay Gupta

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

P.K. Sarkar

- Member of the Scientific Core Committee of World Road Congress
- Member of Governing Council of International Road Federation, Indian Chapter

(b) National Committees

Sanjay Gupta

- 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
- Member, Selection Committee Jury for National Awards in Urban Transport (2016), Ministry of Urban Development, GOI
- Member, Evaluation Committee, Institute of Town Planners, India

P.K. Sarkar

- Member, Assessment Committee, Council of Scientific Research, New Delhi
- Member of Assessment Committee, Central Road Research Institute
- Member, Technical Committee H8 on Urban Roads, Indian Road Congress, New Delhi
- Member of Evaluation Committee of DMIC Corporation, Govt. of India

- Member of Implementation, Monitoring and Research Activities Committee of IRC, New Delhi.
- Member of Highway Research Committee (HRB) of IRC
- Member of Highway Specifications and Standards Committee of IRC
- Member of Award Committee for the Urban Mobility of India, IUT, Ministry of Urban Development.

Sewa Ram

- Member of Assessment Committee, Central Road Research Institute
- Member, Technical Committee H8 on Urban Roads, Indian Road Congress, New Delhi

(c) Editorial Boards

Sanjay Gupta

- 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

Sanjay Gupta

- 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 Behaviour 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
- 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

P.K. Sarkar

- Member of International Road Federation (IRF)
- Fellow of Institution of Surveying, India
- Life Member of Rail Transport
- Life Member of ITPI, India
- Member of Indian Road Congress
- Member of Institute of Urban Transport

- Member, World Conference on Transport Research Society
- Reviewer in Publication Committee at Indian Road Congress
- ARSC2015 Reviewers Committee, Australia

Sewa Ram

- Member of Indian Road Congress
- Member of Institute of Urban Transport
- Associate Member, Institute of Town Planners, India

Bhaskar Gowd Sudagani

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

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

Workshop on 'Initiative towards Combating Road Accidents in India' held on 2 December 2016, SPA Delhi

19. Seminars or workshops attended by the faculty of the department

(a) International Conferences, Workshops, Seminars attended

Sanjay Gupta

- Attended G6-SS1: Indo-Norway Project "CLIMATRANS" - Climate Change Mitigation and Adaptation Strategies meeting, 12 July 2016, Shanghai
- Attended WCTRS SIG G2 "National and Regional Transport Planning and Policy", meeting at the WCTRS 2016 Shanghai China. 12 July 2016
- Participated at the World Conference on Transport Research Conference at Shanghai, July 2016

(b) Presentation of Papers

Sanjay Gupta

- Role of Non -Motorized Transport in Distribution of Goods in the Metropolitan City of Delhi, World Conference on Transport Research Conference (WCTR) at Shanghai, July 2016
- Logistics Sprawl in Timber Markets and its Impact on Freight Distribution Patterns in Metropolitan City of Delhi, India, World Conference on Transport Research Conference (WCTR) at Shanghai, July 2016

P.K. Sarkar

- International Conference on WCTR, Shanghai, 10 July 2016

- International Road Assessment Program(iRAP), Manila, 2017

(c) National Conferences, Seminars and Workshops

Presentation of Papers

- Potential of Freight Distribution through Urban Rail System, Case Study –Delhi, 9th Urban Mobility Conference-cum-Exhibition, November 8th to 11 2016 , Gandhinagar
- Productivity of Railway Stations: Case Study - New Delhi Railway Station, 9th Urban Mobility Conference-cum-Exhibition , November 8th to 11th 2016 , Gandhinagar
- Impact of Metro on Development of Twin City Kolkata and Howrah, 9th Urban Mobility Conference-cum-Exhibition , November 8th to 11th 2016 , Gandhinagar
- Two Wheeler Mobility Perspectives and Management Strategies With Reference to Delhi, Powered Two Wheeler Safety International Conference, College of Traffic Management Faridabad, 29th Oct 2016, Faridabad
- Mobility Planning Imperatives for Urban Poor in Enabling Integrated Development , 6th Asia Pacific Ministerial Conference on Housing and Urban Development (APMCHUD), New Delhi, December 14-16, 2016

P.K. Sarkar

- Speaker on the subject Clean Air at Conference on clean and Green Transport for Delhi-NCR on 8 July 2016.
- Chairman at technical session, Urban Mobility India, Gandhi Nagar, Gujarat, November 2016.
- Speaker 6 Task ... meeting development of Indian highway capacity Manual (Indo-HCM) on 7-8 August 2015.
- Fourth National review of workshop of Indian Highway Capacity Manual (3-5) March 2016.
- National Advocacy Meeting on Motor Vehicle Amendment Bill, 2016 held in IIC, New Delhi in February 2017
- 6th Annual Conference on Operational Maintenance and Tolling in Road Sector, Indian Infrastructure, held in Le Meridian, 7-8 November, 2016
- Speaker in Pursuing 4Es for Road Safety – in the Mission Mode, International Road Federation, held in New Delhi, 13 February 2017
- Key Speaker in National Seminar on “ Road Transport ,19-20, Indian Road transport Association, October 2016
- Key Speaker in Regional Advocacy Meeting on Motor Vehicle Amendment Bill,2016 held in IIC, New Delhi in 30 August 2017
- Key Speaker in IRF World Road Meet, Cross Roads Linking Mobility Solutions, New Delhi, 2017

Sewa Ram

(d) Chairperson/Member of Panels

Sanjay Gupta

- Chaired technical session on “ Transport Planning “ as part of TPMDC 2016 conference at IIT Mumbai, 20th Dec 2016
- Chaired technical research symposium session on “ Transport Policy and Planning” at Urban Mobility India 2016 International Conference, Gandhinagar, Nov. 2016
- Panelist -cum - speaker on “Urban Transport and Climate Change as part of Smart City Governance: Capa city Building and Integrated Planning., 25 th Oct 2016, IHC, Delhi organised by Netherlands -India Joint Working Group on Urban Development
- Panelist expert at Equicity CDF Launch Event and Workshop on 26th of March 2017 at Nagpur organized by AILSG Mumbai
- Panelist for a discussion on "Urban Transportation and Disruptive Technologies” held on Monday, 8th February 2017, Delhi, organised by ORF
- Expert Reviewer for the Research Review Meeting at HSMI -HUDCO , 19th May 2017 organised by HSMI, Delhi
- Panelist at technical session on Mobility 2030: A Global Vision organized by the All India Smart Move High Level Group , at the UN Conference Hall, IIC , 9th May 2017
- Panelist at technical session of National Conference on Road Transport organized by All India Road Transport Workers’ Federation (AITTWF) , Oct. 2016
- Attended as an expert to review Young Leadership programme in Urban Transport as part of SUTP sponsored by World Bank, GEF at Institute of Town on the 5 January 2017.

P.K. Sarkar

- Chairman in Research symposium on UMI conference, Nov. 2015, IUT New Delhi
- Chairman of Inquiry Committee, SPA New Delhi
- Member in the Recruitment and Assessment/Promotion Panel at CRRRI and CSIR
- Member in the Recruitment Panel at Delhi Mumbai Industrial Corridor Development Corporation, Delhi
- Chairman of subcommittee of H-8 of IRC for the preparation ITS Manual
- Member of H-8 Committee at Indian Road Congress
- Vice President of Institute of Urban Transport, MoUD

(e) Participation Only

Sanjay Gupta

- Attended Hyperloop One's India Showcase Panel on 28 February 2017 at Delhi organized by Hyperloop one
- Attended Healthy Environments and Active Living Workshop — 7 June 2017, IHC, Delhi organized by School of Natural and Built Environment , Queen’s University, Belfast

- Attended as expert the 1st Stakeholders Workshop on "Megacity Logistics: Metrics, Tools and Measures for Sustainability (MEGALOG)" held on May 9 2017 at CSIR-CRRI, New Delhi
- Attended "SMART Railways Conclave" on 6th June 2017 at FICCI Federation House, New Delhi.
- Participated in Kickoff Workshop of UK -India Joint Network on Sustainable Cities (26-27 September 2016), India Habitat Centre, Lodi Road, New Delhi
- Workshop on "Development of Indian Highway Capacity Manual (Indo - HCM : (ESG0304)" held on 1st November 2016 at , CSIR – CRRI New Delhi.
- Dissemination Workshop, "Development of Indian Highway Capacity Manual held on 20th – 21st Feb, 2017 at , CSIR – CRRI New Delhi

P.K. Sarkar

- Final National Review workshop of Indo -Highway Capacity Manual at CRRI in February 2017
- Regional Workshop on Indo-Highway Capacity Manual at IIT, May Mumbai, 2016
- Attended a Conference on Operation, Maintenance and tolling in Road Sector on 30th October, 2016.

Sewa Ram

- Ninth Urban Mobility India Conference, 8th – 11th November 2016, Gandhinagar, Gujarat.
- Workshop on "Smart Mobility Solution for NCR", 30th November 2016, Gurugram.
- Initiative Towards Combating Road Accidents in India' held on 2nd December 2016, SPA-Delhi
- Seminar on "Resolving the Crisis in Traffic Management in Delhi", 28th June 2017, IHC, Delhi.

Bhaskar Gowd Sudagani

- Attended Workshop on 'Initiative towards Combating Road Accidents in India' held on 2 December 2016 (Coordinator)

(f) Invited panelists, experts, and jury member

Sanjay Gupta

- Invited as Ph.D Examiner of Development of Ahmedabad Bus Rapid Transit System: A Study of Innovations using Actor Network Theory". CEPT University, 13th April 2017
- Invited as evaluator for Final External Jury for M.Planning (URP) Final Year – Urban and Regional Planning Thesis, SPA Vijaywada, 11th May 2017

P.K. Sarkar

- Jury Member to conduct thesis examination for PhD Thesis in July 2016. Jadavpur University, Kolkata
- Jury Member to conduct thesis examination for PhD Thesis in the Department of

Civil Engineering in July 2016. IIT Bombay

- Jury Member to conduct thesis examination for Planning Studio Design Exercise in the Department of Physical Planning in November, 2016. SPA, Vijaywada, AP
- Jury Member for Selection of Awards for Best Display in the Exhibition at , Urban Mobility India Conference and Expo Gandhi Nagar, 25-28th November, 2016.

Sewa Ram

- Technical session Chairperson at 9th Urban Mobility India Conference, 8th – 11th November 2016.

Bhaskar Gowd Sudagani

- Member of the Expert panel meeting to discuss the proposed Mobility Master Plan of Amaravati, Govt. of Andhra Pradesh, held on 12th September 2016.

(g)Lecture talks and presentations

Sanjay Gupta

- Deliver a lecture on Urban Freight as part of Transport Economics at CEPT University Ahmedabad on 1 October 2016
- Delivered lecture talk on “Intelligent Transport Systems “on 1 February 2017, IRTE , CTM Faridabad
- Delivered talk on “ Gurgaon Manesar Urban Complex Traffic Mitigation Strategies” 5 February 2017, organized by CTM IRTE , Faridabad (in front of Haryana Chief Minister and his officials)
- Delivered presentation on “ Base year Travel Demand model and Policy options for Delhi” as part of CLIMATRANS stakeholders meeting on 1 March 2017 at ITPI conference Hall, New Delhi
- Delivered Talk on Transport Planning as part of Capacity building programme on Sustainable Urban Transport at Lucknow from 26-28 April 2017

Sewa Ram

- “National Policies and Regulations to Address Implementation of International Commitments on Climate Change in the Context of Urban Transport”, Ninth Urban Mobility India Conference, November 2016, Gandhinagar, Gujarat.
- Invited as Speaker on the topic “Towards Clean and Green Transport – The NCR View”, Workshop on Smart Mobility Solution for NCR, 30 November 2016, Gurugram.
- Presented on “Engineering Measures in Improving Road Safety”, ‘Workshop on Initiative towards Combating Road Accidents in India’ held on 2 December 2016, SPA-Delhi.
- Invited as speaker on “Importance of Traffic Engineering in Road Safety Management” at seminar on “Resolving the Crisis in Traffic Management in Delhi”, 28 June 2017, IHC, Delhi.

- Delivered lecture on “Parking pricing, collection mechanism and external cost of parking” at a training programme on Safe access and parking strategies for livable cities organized by CSE, 13 December 2016.
- Delivered lecture on “Speed, Lane and Junction Management” at IRTE’s College of Traffic Management, 21 December 2016.
- Delivered lecture on “Safety issues in Design, Construction and Operation of Highways”, at a training programme on 'Public Private Partnership in Highway Projects' for the Engineers from Africa organized by Indian Academy of Highway Engineers (IAHE), 29 March 2017.
- Delivered presentation on “Principles of Traffic Engineering and ITS”, for IPS Probationers at the SVP National Police Academy, 7 April 2017.
- Delivered presentation on “Relooking at Infrastructure Design and Engineering through the Safety Lens”, conference on Haryana Vision Zero, 2 May 2017.
- Delivered key note presentation on “Infrastructure Design and Road Safety” at India Vision Zero, a road safety conference organized by Government of Maharashtra and WRI, 5 June 2017.
- Delivered lecture on “Road Safety Audit” at training programme for Road Safety Associates of Haryana Vision Zero. 24 to 27 June 2017.

Bhaskar Gowd Sudagani

- Delivered an invited lecture on “Travel demand modelling” at SPA Vijayawada in September 2016
- Presentation on “Capacity of Roundabouts” at Meeting with the Session Chair on “Development of Indian Highway Capacity Manual (Indo - HCM :(ESC-0304)” held on 1st November 2016 at , CSIR – CRRI New Delhi.
- Presentation on ”Capacity of Roundabouts”” at Dissemination Workshop, “Development of Indian Highway Capacity Manual held on 20th – 21st Feb, 2017at , CSIR – CRRI New Delhi

20. Courses and training programs of attended by the faculty of the Department

Nil

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

Sanjay Gupta

- Appointed Visiting Professor at the Institute of Transport Studies, Leeds University, Leeds (U.K) from Sep 2016 to Sep 2019

- Appointed member of International Scientific Committee of CODATU conference in September 2016 to held in November 2017 at Hyderabad
- Co-authored paper along with Monika Singh on “ Potential of Freight Distribution through Urban Rail System, Case Study –Delhi “ which won the second best research paper prize at the UMI 2016 conference organized by MoUD, Gandhinagar , Nov. 2016
- Supervised thesis of Priyadarshika Das on her thesis “Impact of Metro on Development of Twin City Kolkata and Howrah“ which won second prize at the J. P Bhargava award for best planning thesis , organized by REPL, June 2017
- Appointed Ph.D examiner of Ph.D scholar at Department of Civil Engineering, IIT Mumbai, May 2017

P.K. Sarkar

- Awarded the Certification of Appreciation for the presentation of the Paper ” A Scientific Investigation Accident Black Spot in Delhi” at the 4th Conference on Transportation System Engineering and Management (CTSEM), held in Chennai, May, 2017.
- Awarded the Certification of Appreciation for the presentation of the Paper,” Transport Strategies for Densification of a Central Business District, at the 4th Conference on Transportation System Engineering and Management (CTSEM), held in Chennai, May, 2017
- Appointed as jury member in Selection committee for best award in Urban Transport, MouD GOI, New Delhi Delhi, June.2017.
- Appointed member of the International Scientific Committee of World Road Meet (WRM) ,2017 for its proposed conference in India in 2017
- Awarded ITPI 3rd Prize for best Master Level thesis under my guidance on the topic of Modernization of Medium Capacity Rail Transit in the Metropolitan City of Kolkata by Arka Kanungo
- Awarded 2nd Best Research Paper Prize from the Master Level Thesis under my guidance on the topic of “to develop methodology for prioritization of Road safety measures Case Study: Delhi NCT” at Urban Mobility India Research Symposium by Mr. Shown Aziz

Bhaskar Gowd Sudagani

- Best Paper awarded for the paper title “Transport Strategies for Densification o f Central Business District: Ahmedabad” based on Master’s thesis of Rishabh Gandhi at 4th Conference on Transportation Systems Engineering and Managemene nt(CTSEM) held in Anna University , Chennai during 12-13 May 2017.

22. Internal and external members of the Board of Studies

External

- Dr. S. Gangopadhyay (Ex-Director, CRRI)
- 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

Internal

Prof Dr. Sanjay Gupta, Chairman
Prof. Dr. P.K. Sarkar, Member

External

Dr. S. Gangopadhyay (Ex-Director, CRRRI)
Dr. P.K. Sikdar (Senior President ICT Pvt. Ltd. New Delhi)

24. Prominent visitors to the Department of studies

Nil

25. Details of activities under various MOUs during the reporting year

Nil

26. Details of 'beyond syllabus scholarly activities' of the department

Nil

27. Any other information

Sanjay Gupta

- Appeared in the following TV channels debates:
 - ABP News : Traffic Congestion owing to Floods in Delhi-NCR, July 2016
 - NDTV: Planning as a professional career at SPA Delhi October 2016
- Reviewed several technical papers for peer reviewed international journal such as Journal of Public Transportation of University of South Florida (U.S), *Journal of Transport Policy*
- Reviewed several technical papers for conferences in India such as UMI 2016 (IUT, MoUD), CTRG 2016 (TRG India)
- Acted as mentor on two projects carried out by mid and senior level transport professionals from govt. under the capacity building program "Leaders in Urban Transport Planning and Management " as part of SUTP project of the Ministry of Urban Development, Government of India (Sep 2016 to Nov 2016):
 - Transport Demand Management Tools for Metro Rail System-Strategy to ease congestion in DMRC' (Amit Kumar Jain, Priya Agarwal, Indian Railways)
 - Smart Mobility through Feeder Bus Services - Nagpur Metro (K . Sushil Kumar, Nagpur Metro Rail Corporation)
 - Advisory committee member of CTSEM conference organized by Transportation Engg. Division, Civil Engg. Department, Anna University, 2 and 13 May 2017.
 - Peer review member of technical papers on Freight Management (ST-8) of UMI conference 9-10 November 2016, Gandhinagar

- Reviewed report on Standard Operating Procedures for Traffic Management, prepared by IRTE sponsored by Bureau of Police Research and Development (BPRD), October 2016

P.K. Sarkar

- Interacted with the print and TV Media on transportation problems and issues . The media included Hindustan Times, Times of India, The Hindu, Nav Bharat Times, Zee Business, Wion, World News Channel, News Nation, Zee News and CNN IBN etc.
- Reviewed technical papers for peer reviewed international Conference for WRM, Indian Road Congress journal.
- Responsible of guiding and monitoring the landmark project of the country i.e. preparation of Indo-Highway Capacity Manual as a Regional Coordinator.
- Responsible for evaluation and selection of number of consultants and projects related to Delhi-Mumbai Industrial Corridor at DMICDC, Delhi.
- Reviewed several technical papers for conferences in India such as UMI 2015 (IUT, MoUD).

Department of Urban Design

1. Name of the Department

Department of Urban Design

2. Names of academic programs offered by the Department

- Masters of Urban Design
- Ph.D.

3. Year of establishment of the Department

1970

4. Faculty profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Years of Experience	Remarks, if any
Arunava Dasgupta	M.Arch (Urban Design)	Associate Professor and HOD	Urban Design	29	-
Manu Mahajan	M.Arch (Urban Design), M.Sc. (Development and Planning)	Assistant Professor	Urban Design	16	-

5. Detail soft eaching 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	Design Studio-I (T)	3
	1	Urban Form Lab-I	3
	3	Design Studio-III (T)	2
	2	Design Studio –II (ST)	3
	2	Urban Form Lab-II	3
	3	Reading the City (L)	2
	4	Design Thesis Studio IV	4
Manu Mahajan	4	Design Thesis R	4
	3	Design Studio –III (ST)	8
	3	Design Studio-III (T) and (R)	3

	3	Urban Renewal and Conservation (S)	1
	1	Urban History and Development Theory-I (S)	3
	1	Design Studio-I (T)	3
	2	Design Studio-II (ST)	6
	2	Participatory Planning and Co-Design Tools	2
	2	Elective (Departmental)	2
	4	Electives (L/T)	3
	4	Design Thesis (T)	4

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

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
Ujan Ghosh	1	Design Studio – I (ST) and (T)	9
	2	Design Studio –II (ST)	6
Rajender Singh	3	Design Studio-III	4
	2	Design Studio-II	3
	3	Design Studio-III	3
	4	Design Thesis	4
NishantLall	1	Urban Form Lab-I	3
	1	Design Studio-I (ST)	3
	2	Urban Form Lab-II	3
	4	Design Thesis Tutorial	4
Suneet Mohindru	1	Site Planning (L)(ST)	3
Sanjay Kanvinde	3	Design Studio – III (ST)	8
	4	Design Thesis (ST)	8
MrigankaSaxena	1	Urban Design Methodologies(L)	2
Sudipto Ghosh	4	City Futures (R and S)	4
	1	Design Studio –I	3
Manas Murthy	1	Research Methods	2
	3	Design Studio-III (T) and (R)	3
Thomas Oommen	1	Research Methods	2
	3	Reading the City-R	2
Nitin Bhathla	1	Design Studio -I (T)	3
	1	Digital Skills for UD	2

Anurag Chowfla	1	Design Studio-I	6
Rajiv Bhakak	1	Urban Design Methodologies	2
	4	Design Thesis (T)	4
	4	City Futures (L)	2
Ranjit Mitra	3	Design Studio-III	8
	1	Urban History and Development Theory-I	4
	2	Urban History and Development Theory-II	2
	4	Design Thesis Studio	8
Akshat Bhatt	1	Urban Form Lab-I	3
Tina Bali	1	Site Planning Studio	2
Mansi Kataria	1	Site Planning Studio	2
	4	Design Thesis (T)	4
	3	Design Studio- III (T)	2
Vikas Kanojia	1	Site Planning Studio	2
Rinki Sarkar	1	Urban History and Development Theory-I	2
	2	Urban History and Development Theory-II	2
Kanu Kartik Agarwal	1	Urban Form Lab-I	3
	3	Imagining Cities-3	3
	3	Design Studio-III	2
	2	Institutional Elective	2
	4	Imagining Cities-4	3
	4	Design Thesis Studio -R	4
Shiv Prasad Singh	3	Real Estate	3
Anjula Negi	2	Infrastructure	2
Divya Chopra	3	Reading the City (S)	2
	2	Urban History and Development Theory-II (S)	2
Vandini Mehta	3	Reading the City	6
	2	Urban History and Development Theory-II (S)	2
Aishwarya Tipinis	3	Urban Renewal and Conservation	3
	2	Urban Policy and Management Framework	2
Marisha Sharma	3	Techniques of Sustainable Development and EIA	2
		Urban Policy and Management Framework	2
Shveta Mathur	2	Participatory Planning and Co-Design Tools	2
Anvita Arora	2	Planning the City-I	2
Shipra Narang Suri	2	Planning the City-I	2

Vineet Katariya	1	Digital Skills for UD	2
	2	Design Studio- II (T)	2
Raman Suri	4	Design Thesis Studio	4
Aparna Ash Kanojia	4	Project Planning and Finance	2
Ashish Gupta	4	Project Planning and Finance	2
Rwitee Mandal	4	City Futures (R and S)	4

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

Name of the Expert	Semester	Topic	Date
Dr. Renu Khosla	II	Public Participation	17 February 2016

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
- First Semester joint studio program with Department of Architectural Conservation, Landscape Architecture and Industrial Design

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

Semester	Project Title/Topic	Description
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 stations and surrounding precincts have been selected along the ring railway network 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, analyzing the various factors that determine the morphology of the city and the referencing of selected sites to the study.	For past seven years, Department is studying Capital Cities. Present year City Jaipur
Design Studio-III: Third Semester	The objective of the studio is to focus on inner city regeneration in Delhi examining issues related to critical programme development, urban conservation, economic and environmental considerations, and	For past 7 years, Department is taking up electoral wards of Delhi. This year two wards- Mayur Vihar

	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.	and Ashok Vihar were taken up for Local Area Plan and Design.
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10. Details of the thesis topics researched by the students of the final year class:

Roll No.	Name of the Student	Thesis Topic
UD/712	Nimisha Hakkim	Reinstating the spirit of nature in a Hill Station, Case-Ooty
UD/713	Thoufil Salim A K	Genius loci and changing landscapes – a case of Kollam
UD/714	Nooreen Fatima	KumbhMela as a Catalyst of Urban Transformation in Allahabad: Case of Chaukhandi, Kydganj.
UD/715	Shekoba Bhagawan Sanap	“New Urban Social Pattern: Equitable regeneration and rehabilitation, case of Navi Mumbai, India”
UD/716	Koogela Anandamani	Reimagining the Communities of Fort Vypin
UD/717	Amey Mahendra Ghosalkar Sunita	Developing new conditions of resilience within the vulnerable communities - Climate and Livelihood - case of Macchimar Nagar, Cuffe Parade, Mumbai
UD/718	Prasoon G Das	Urban Spatial Integration as a response to SEZ: A Case of Trivandrum.
UD/719	Vijay Singh Damor	Creating a public realm as new city centre, Udaipur
UD/720	Shireen Anwar Hossain Tribhovanbhai	"City's Stepchild: Child-friendliness in the context of Unauthorized colonies. Case of Shaheenbagh"
UD/721	Patel Hardikkumar	Defining the identity of adjoining area between OLD and NEW, case of Patan, Gujarat
UD/722	Thoudam Pratap Sign	Mediating Contested Spaces - Case of Imphal, Manipur
UD/723	Soumya Dasgupta	Intellectual Hubs as Cohesive Conditions of Urbanity and Academia, Studies and Proposals for Kolkata
UD/724	Vikas Pawar	Redevelopment of Wholesale Market in Mixed-Use Neighborhoods of the City
UD/725	Anu S Kumar	Mediating Social Spaces in the transforming Industrial Area of the City. Case-Smart City Area, Kochi.

UD/726	Alok Dinesh	Revitalization of Terrain Vague in the City Core: A case of Chalai, Trivandrum
UD/727	Bella Ullas	Water as a Determinant for Reimagining a City - Case of Cheranallur, Kochi
UD/728	Anagha B Joshi	A Cultural district for Vadodara city - using History and Ecology as key determinant
UD/729	Anumoy Paul	Revitalization of Neighborhoods through Youth Empowerment and Skill Development (a catalyst of Economic Regeneration), the city of Kolkata as a case.
UD/745	Urane Suraj Rajan	Evolving identity of town under tourism based urbanisation, case - wai, Maharashtra.

11. 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
SPA/FN/Ph.D/120/2011-12	Mona Valikjazi	Construction inclusive city morphology possibilities and challenges	Mandeep Singh	
SPA/NS/Ph.D/129/2012-13	Deepshree Choudhury	Environmental psychology a determinant of urban space	Leon A Morenas	
SPA/IS/Ph.D/128/2012-13	Arunava Dasgupta	Settlement structure and built from transformation in urbanizing villages	Mandeep Singh	
SPA/IS/Ph.D/165/2016-17	Manu Mahajan	Rise of service Sector led Economy and Transformation of Inner Cities -A Study of Culture Economy and Spatial Transformation in the Context of Indian Cities.	Leon A Morenas	
SPA/NS/Ph.D/168/2016-17	Aishwarya Tipnis	Exploring Paradigms for culturally	Mandeep Singh	

		Relevant adaptive reuse as a tool for Urban regeneration of derelict industrial landscape in India: Reconciling Protection Conservation and Development		
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12. Research thrust areas of the Department:

- Rural Urbanization
- Form and Determinant
- Urban Architecture and Building Typology
- Social Urbanism

13. Completed and 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)
Assessment of Built Environment and Design Directions for Future Development for Bharmour, Kalpa and Sangla Villages, Himachal Pradesh.	Transformation of built environment and design guidelines for future development.	Technical reports	25

14. Details of consultancy projects undertaken by Department

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

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

Nil

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

Manu Mahajan

- Paper titled 'Addressing Ground Realities: Local Area Planning and Design', published in Urban Update, August 2016
- Pictorial essay titled 'The Character of Medieval Cities' published in Mylivable

City, April 2017

Arunava Dasgupta

- “Nurturing the Citizen Designer...Redefining Participatory Frameworks for Professional Realignments”. Paper published in the Conference proceedings of AAE 2016 on Research Based Education, The Bartlett School of Architecture, UCL, London. April 2016
- “The Future Indian City: Designing for Inclusivity” Presentation made as invited speaker in the Third South Asian Cities Summit, New Delhi, May 2016
- “Realizing City Imaginations: The Urban Design Agenda for Indian Cities” Presentation made as invited speaker in the IIA National Seminar on the Architects’ Role in the Smart City Mission, New Delhi, April 2016
- Paper titled ‘Designing the Indian City’, published as cover article in the journal, Urban Update, August 2016

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

Arunava Dasgupta

- Heritage Advisory Committee, Govt. of Himachal Pradesh
- Member, Board of Studies, Urban Design Program, SPA Bhopal
- Founder Member and Executive Council Member, Institute of Urban Designers-India
- Member, Advisory Group, Urban Design Program, College of Engineering, Trivandrum
- Member of Scientific Committee as Paper Reviewer for the 7th ArchCairo International Conference on “Building Innovatively Interactive Cities” in collaboration with UN Habitat to be held from March 27-29, 2017, Cairo.

Manu Mahajan

- Executive Council Member, Institute of Urban Designers-India
- Founder Member and General Secretary, Association of Commonwealth Scholars and Fellows, India

18. Exhibitions, Seminars or workshops organized by the students and faculty of the Department

(a) Seminars and Workshops

- Joint Studio held at Delhi with KRVI, Mumbai and First Semester Students of the Department, September 2016
- Joint Studio held at Mumbai with KRVI, Mumbai and Third Semester students of the Department, September 2016

19. Seminars or workshops attended by the faculty of the Department

(a) International Seminars or workshops

Manu Mahajan

- Paper titled 'Mixed use Policy : Delhi at present and future policy directions' at International Symposium on Urban Planning and Sustainable Cities, Hiroshima, Japan , INTESDA, September, 2016
- Paper titled 'Ninth Delhi: A City Partitioned' (virtual presentation) at International Symposium on Designing Urban Design: Towards a Holistic Perspective, METU, Ankara, Turkey, October, 2016.

(b) Presentation of Papers

Arunava Dasgupta

- Invited Speaker in Heritage Cities Conference, 2016 on "Sacred Geography of Spiritual Cities" on 6-7 October 2016 organized by IHCN, UNESCO.
- Invited Speaker in DWIH Indo -German International Conference on "Cityscapes" in October 2016, Delhi.
- Invited Speaker in Indo -German Smart Cities Workshops jointly partnered by Spatial Urban Design and University of Heidelberg, Germany in Kolkata and Session Chair in Bangalore on April and September 2016
- Invited Speaker in BUILDMAT 2017, International Seminar on Neo-Urbanism in February, 2017 Coimbatore
- Distinguished Invited Speaker in the International Conference on Green Urban Futures on "Mountain and the City" in February 2017, New Delhi.

(c) Chairperson/Member of Panels

- Expert member for panel on "Unorganized Growth in Peripheral Areas and Slum Upgradation" in the 6th. Asia-Pacific Inter-ministerial Conference on Housing and Urban Development (APMCHUD) from 15-17 December 2016.
- Expert Member for panel on "Award Winning Amaravati Capital Complex Design Schemes" in the annual FAAA Dialogue-Delhi, 2016 on 26 November 2016 in Delhi.
- Expert Member for "Manthan 2016" – Round Table and Panel Discussion on "Teaching and Learning Architecture in the 21st Century on 4 November, 2016 organized by Sushant School of Art and Architecture and IIA, Northern Chapter.
- Expert Member for panel on "Legacy of the City" conducted by Department of Architecture, Om Dayal Group of Institutions, Howrah in July 2016, Kolkata.
- Chairperson for session on "Urban Planning and Transport Solutions" in the Indo -Nordic Conclave on Smart Cities organized by Economic Diplomacy Division of Ministry of External Affairs, Govt. of India and CII jointly with Nordic Missions in India, in March 2017, New Delhi.
- Expert Member of Architect/Design Consultant Selection Committee for Phase -II Construction and Development of Main Campus of IIT Mandi at Kamand, Himachal Pradesh

Participation Only

Arunava Dasgupta

- Invited delegate for the “Indo-UK Tech Summit” in Nov, 2016, Delhi.

20. Courses and training programs of more than one week attended by the faculty of the department

Nil

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

Nil

22. Internal and external members of the Board of Studies

Internal

- Mandeep Singh, Chairman
- P.S.N. Rao, Ph.D. Coordinator
- Arunava Dasgupta, Member

External

- Prof. K.T. Ravindran, Dean Emeritus, RICS School of Built Environment
- Prof. Ravi Sundram, Professor, Centre for Study of Developing Societies
- Mr. Rajeev Kathpalia, Principal, Vastu Shilpa Consultants
- Mr. Rajendra Singh, Senior Consultant, LEA Associates Pvt. Ltd.

23. Internal and external members of the Departmental Research Committee

Internal

- Mandeep Singh, Chairman
- P.S.N. Rao, Ph.D. Coordinator
- Arunava Dasgupta, Member

External

- Prof. A.G.K. Menon, Convener, Delhi Chapter, INTACH
- Shri S.K. Das, Principal, SKDAS Associated Architects

24. Prominent visitors to the Department

- Prof. Paolo Tombesi, Chair Construction, University of Melbourne, Australia
- Prof. Anna Parkin, Dean International, Faculty of Humanities, Curtin University, Australia
- Prof. Laurie Buys, Theme Leader, Infrastructure for Sustainable Communities, QUT, Australia
- Prof. Shibu Raman, Welsh School of Architecture Cardiff University, U.K.

25. Details of activities under various MOUs during the reporting year

Arunava Dasgupta

- Received the Erasmus Plus Global Mobility Scholarship, Visiting Professor, NTNU, Norway.

Manu Mahajan

- Visiting Scholar, NTNU, Norway Feb - march 2017 under Erasmus Plus Global Mobility Scholarship
- Collaborated in organizing and participating in the Smart City Workshop Series with University of Heidelberg in three Indian Cities.
Partnered with QUT, Queensland and IIT Roorkee to prepare a joint research proposal on “Smart Precincts” as part of the Australia-India Strategic Research Fund (AISRF) Call.
- Collaborated with Welsh School of Architecture, Cardiff University for preparation of research grant proposal for UKIERI funding and joint field activities on the ongoing City Form project in India.
- Collaborated and worked jointly with academic partners from SPA and Curtin University in preparing for the signing of MOU between Curtin University, Australia and SPA which was signed on Nov. 28 2017 in Delhi.

26. Details of ‘beyond syllabus scholarly activities’ of the department

Nil

27. Any other information

- Pallavi Deore, student of Urban Design from 2015 -16 batch was awarded First prize in the ISOCARP International Students' Award for academic projects from all over the world for her thesis "Integral Public Realm as a Seam between Existing Rural Settlement and Urban Extension", September 2016
- Vikram Kohli, student of Urban Design from 2015 - 16 batch won first prize under Smart City Competition for his design entries for the City of Jabalpur, October 2016
- Soumya Dasgupta, student of second year Urban Design was selected and presented his paper in an international conference called “Spaces and Flows” in the University of Pennsylvania, USA, November 2016
- Ms. Shereen, student of second year Urban Design was selected and participated in a workshop on “Landscape Urbanism” in Kolkata in December 2016.
- Ms. Bella Ullas, Mr. Alok Dinesh, Mr. Pason Das, all students of second year Urban Design were selected in the national workshop called “Bypass Lab” organized by the IGBS Center of IIT Madras in June 2016, Chennai.

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

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Number of years of experience	Remarks if any
M. Palaniappan	M.A., (Economics); MTP, MPS, (Population Studies)	Associate Professor and Head	Economics, Tourism planning	24	-
Sanjay Gupta	M.Sc. (Statistics), MTP, Ph.D.	Professor and Head of the Department till 19 May 2017	Climate change, public transport	31	-
Sanjukta Bhaduri	B. Arch., MCP, Ph.D.	Professor of Planning	Urban Planning, Environmental Planning, Disaster Management	32	-
Chidambara	B. Plan., M. Plan (Transport Planning)	Assistant Professor	Sustainable and smart mobility, Urban Planning, Urban Governance	15	-

Nilanjana Dasgupta Sur	M.Sc. (Geography), M. Plan. (Urban Planning)	Assistant Professor	Urban Governance, Information Systems, Inclusive Planning	14	-
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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 – December 2016	I	Studio (Guidance)	9
		III	Politics and Planning	2
		III	Studio (Guidance)	5
	January – May 2017	IV	Thesis (Guidance)	3
		IV	Development Finance	2
		II	Studio (Guidance)	9
Sanjay Gupta (From 1 January 2016 till 19 May 2017)	July – December 2016	III	Energy, Climate Change and Urban Development	1
		III	Studio (Guidance)	4
		IV	Thesis (Guidance)	1
	Jan-May 2017	II	Land Use and Transport Planning	2
		II	Studio (Guidance)	2
Sanjukta Bhaduri	July – December 2016	III	Environmental, Development and Disaster Management	2
		III	Energy, Climate Change and Urban Development	2
		III	Studio (Guidance)	8
	January – May, 2017	IV	Thesis (Guidance)	4
		II	City and Metropolitan Planning	2
		II	Sustainable Planning and Dev.	2
		II	Studio (Guidance)	5
		II	Studio (Guidance)	5
Chidambara	July – December 2016	III	Urban Governance	2
		III	Studio guidance	7
	January – May 2017	IV	Thesis (Guidance)	6
		IV	Planning Legislation and Professional Practice	1
		II	Studio (Guidance)	8
	II	City and Metropolitan Planning	1	

Nilanjana Dasgupta Sur	July – December 2016	III	Urban Development Management	2
		III	Studio Guidance	8
	January – May 2017	II	Urban Information Systems and Spatial Analysis	2
		II	Studio Guidance	9
		IV	Thesis Supervisor	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
M. Palaniappan	First Semester Integrated Programme	Studio guidance	6
Sanjay Gupta From 1 Jan 2016 till 19 May 2017	First Semester Integrated Programme, III TP Deptt. IV TP Deptt.	Studio Guidance	2
		Logistics and Distribution Management	3
		Transport Policy, Legislation, Institutional Framework	3
	IV TP Deptt.	Thesis guidance	2
Chidambara	First Semester Integrated Programme	Infrastructure and Transport Planning	1
		Studio Coordinator	6
Nilanjana Dasgupta Sur	First Semester Integrated Programme	Studio guidance	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
Shri R. Srinivas	III	Urban Development and Management/ Design Studio	1/6
Ms. Aparna Ash Kanojia	III	Project Planning and Management	2
Prof. V. Thiruvengdam	III	Project Planning and Management/ Design Studio	1/3
Ms. Ranjini Mukherjee	III	Environmental Development and Disaster Management	1
Shri M.L. Chotani	III	Urban Governance	1
Dr. M.P. Mathur	III	Politics and Planning	1
Dr. Manish Kumar	III	GIS	2
Shri Sairam Dasari	III	GIS (Studio)	3

Shri Ashok Bhattacharjee	III	Design Studio	6
Shri Vijay Risbud	III	Design Studio	6
Ms. Aditi Mitra Ghosh	III	Design Studio	6
Ms. Anuya Dighe	III	Design Studio	6
Dr. S.P. Biswas	III	Design Studio	3
Shri D. Bhowmik	III	Design Studio	6
Shri Tanaji Chakrabarti	III	Design Studio	3
Shri Pawan Sharma	III	Design Studio	3
Ms. Aparna Soni	III	Design Studio	3
Prof. Kavas Kapadia (Visiting Professor)	III	Design Studio	5
Ms. Aparna Ash Kanojia	II	Project Planning and Management	2
Shri P.S. Uttarwar	II/IV	Design Studio/ (Thesis/Studio)	2/6
Shri Sairam Dasari	II/IV	GIS Studio/ (Thesis/Studio)	2/6
Dr. S.P. Biswas	II/IV	Design Studio/ (Thesis/Studio)	2/6
Shri Pawan Sharma	II	Design Studio	2
Dr. M.P. Mathur	IV	Development Finance	1
Shri M.L. Chotani	IV	Planning Legislation and Professional Practice/ (Thesis/Studio)	2/6
Shri Tanaji Chakrabarti	IV	(Thesis/Studio)	3
Ms. Aparna Soni	IV	(Thesis/Studio)	6
Ms. Aditi Mitra Ghosh	IV	(Thesis/Studio)	6
Shri Ashok Bhattacharjee	IV	(Thesis/Studio)	6
Shri R. Srinivas	IV	(Thesis/Studio)	6
Ms. Ranjini Mukherjee	IV	(Thesis/Studio)	3
Shri Rajeev Malhotra	IV	(Thesis/Studio)	3
Shri Pramod Parate	IV	(Thesis/Studio)	3
Dr. V. Thiruvengadam	IV	(Thesis/Studio)	6
Shri V. Risbud	IV	(Thesis/Studio)	3
Dr. A.P. Tiwari	IV	(Thesis/Studio)	6
Shri Jagdeep Kapoor	IV	(Thesis/Studio)	6
Prof. Kavas Kapadia (Visiting Professor)	II/IV	Infrastructure Planning/Design Studio/ (Thesis/Studio)	2/5/5

(b) Details of Special Lectures undertaken in the department

- Dr. Ravikant Joshi, Urban Finance and Strategic Management Consultant invited to deliver a special lecture talk on “Financial Sustainability of Smart Cities Mission” on 7 April 2017.
- Shri Jitendra Bajpai, Formerly with the World Bank invited to deliver a special lecture talk on “How to Manage the Footprint of Urban Expansion in Indian Cities” on 25 April, 2017.
- Shri P.S. Uttarwar, Formerly with the DDA invited to deliver two special lecture talks on “Urban Information Systems and Spatial Analysis” on 19 April 2017 and 26

April 2017.

- Shri J. K. Chowdhary, Former D.G. (Electrical) CPWD invited to deliver a special lecture on “Electrification of Towns – an Overview” on 27 March 2017.

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

Nil

9. 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
Master Plan 2037 preparation- Gwalior City (Second Semester Studio Exercise 1: January - February 2017)	The objectives were to: <ul style="list-style-type: none"> • To understand the process of preparation of master plan • To study the city profile in terms of the various identifies sectors • To assess the issues concerning each sector • To develop a revised master plan 	Various case studies of master plans of cities like Nany Raipur, Amravati, Bhopal were taken up to understand the structure of Master plans. A detailed study of Gwalior Master Plan 2021 was done to understand the city.	Gap analysis and issues and potentials were formulated. Proposals were made for each sector like transportation, infrastructure, housing etc. Phasing of all the proposals were done along with the costing of projects of each sector.
Zonal Plan preparation - Gwalior City (Second Semester Studio Exercise 2: March - May 2017)	The objectives were to: <ul style="list-style-type: none"> • Study the character of the 13 zones. • To develop zonal strategies for the various zones • To prepare proposals that were zone specific 	A case study of Delhi zonal plans was done to understand the elements and scale of zonal level data and strategies.	Analysis of each zone with respect to all aspect led to identification of issues and potentials of the zones. Proposals were made for each zone with specific zonal level strategies.

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

Roll No.	Name of the Students	Name of the Topics
SPA/NS/UP/1205	Akshay Revekar	Urban Renewal of Inner City -Gwalior
SPA/NS/UP/1206	Asesh Sarkar	Planning for Safe Neighborhood- Bhubaneshwar
SPA/NS/UP/1207	Dinesh Singh	Impact of Proposed Peripheral Expressway on Real Estate Markets Case-Study: Kundli-Manesar Palwal
SPA/NS/UP/1208	Dunna Pruthvi	Planning for Energy Efficient

		Neighborhood: Case of Visakhapatnam, A.P.
SPA/NS/UP/1209	Jeet Shekhar Das	Revitalization of an Urban Riverfront Case: Kolkata
SPA/NS/UP/1210	Karan Singh	Development Strategies for Urban Villages of Delhi
SPA/NS/UP/1211	Komal Jaiswal	Planning for Persons with Disabilities-Case Study- New Delhi
SPA/NS/UP/1212	Madhusree Bhattacharjee	Revitalization Strategies for Trams in a Metropolitan City-Kolkata
SPA/NS/UP/1213	Mahak Agrawal	Climate Resilient Urban Development Strategies for Mega City: A Case of NCT of Delhi
SPA/NS/UP/1214	Manas Vijayan	Energy Efficient Plan for Smart City Dehradun
SPA/NS/UP/1215	Meera M.L.	Urban Structure and Energy Consumption in Kochi
SPA/NS/UP/1216	Nony Gupta	Water Bodies and Urban Development: Raipur
SPA/NS/UP/1217	Pallavi Vitthal Thool	Rurbanisation Impact on Village Cluster in Pune Metropolitan Region
SPA/NS/UP/1218	Parvej Alam	Density and Infrastructure in Residential Area of Delhi
SPA/NS/UP/1219	Rahul Ganguly	Development Impacts of Industrial Corridor on an Urban Centre: Case Study, Durgapur, West Bengal
SPA/NS/UP/1220	Rhiya Singh	Social Impact of Displacement due to an Urban Development Project: Case of Delhi Metro, NCT Delhi
SPA/NS/UP/1221	Rimeka Dora Ranee	Land Resource Management in Hill Areas: Greater Shillong Planning Area
SPA/NS/UP/1222	Shaheen Sobti	Planning Strategies Low Carbon Mobility in a Planning Township, Case Study Dwarka
SPA/NS/UP/1223	Shruti Gautam	Tourism Infrastructure Planning: Mathura, Uttar Pradesh
SPA/NS/UP/1224	Amuloju Siddharth	Planning Strategies for Walkable Neighborhoods: Delhi
SPA/NS/UP/1225	Sonal Mandhyan	Restructuring Development along MRTS Corridor in a Metropolitan City Lucknow
SPA/NS/UP/1226	Varikoti Sai Samyukta	Planning Strategies for Developing Vikarabad as a Satellite Town to Hyderabad
SPA/NS/UP/1227	Suchismita Nayak	Planning for Inclusive Mobility of Urban Poor-Kolkata
SPA/NS/UP/1228	Sundus Samreen Wani	Planning Strategies for Counter Magnet to Srinagar City
SPA/NS/UP/1229	Surbhi Goenka	Impact of Transportation Networks on Growth Patterns, Case Study: Ranchi
SPA/NS/UP/1230	Sushil Kanathe	Urban Sprawl and Management Indore: MP
SPA/NS/UP/1231	Tanvi Agarwal	Planning for Integrated Urban Development

		around a World Heritage Site, Case study - Taj Mahal, Agra
SPA/NS/UP/1232	Tanya Mukherjee	Planning for Sustainable Urbanisation in Faridabad, Haryana
SPA/NS/UP/1233	Annam Jitendra Sri Vishnukanth	Financing Options for Implementing Smart City Proposals
SPA/S/UP/1234	Y. Kunyangse	Urban Governance and Socio-Spatial Dialectics: Kohima
SPA/NS/UP/1235	Yawar Ali	Sustainable Strategies for Urban Wetlands Case Study: East Kolkata Wetlands

11. 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
2012-13 (Part Time)	Bipasha Kumar	Dynamics of Disaster risk in Urban Villages : Delhi	Prof. Dr. Sanjukta Bhaduri	-
2014-15 (Part Time)	Nilanjana Dasgupta Sur	Knowledge Networking for Improved Service Delivery in ULBs in India	Prof. Dr. Sanjukta Bhaduri, and Prof. Chetan Vaidya	-
2016-17 (Full Time)	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	-
2016-17 (Full Time)	Mutum Chaobisana Devi	“Urban Threshold in the context of Transit Oriented Development”	Prof. Dr. Sanjukta Bhaduri and Prof. Dr. Sanjay Gupta	-

12. Research thrust areas of the Department

- Strategic Planning
- Local Area Planning
- Smart and Livable Cities
- Inclusive and Participatory Planning
- Climate Resilient Urban Development
- Land use- Transport Planning
- Urban Heritage and Tourism Planning
- Environment and Disaster Management
- Urban Information Systems and Knowledge networks

13. Completed and ongoing research projects in Department

Name of the Project	Thrust Area	Expected Outcomes	Total Fee (Rs. In lakhs)
Web Based Platform for Participation of Local Area Stakeholders in Indian Cities: Case Study – Delhi (Project Coordinator Sanjukta Bhaduri)			10
Production of Courseware e-Content Development for Post- Graduate Subjects: E-PG-Pathshala, (Project Coordinator Prof. Dr. Sanjukta Bhaduri)			40.60

14. Details of consultancy projects undertaken by Department

Name of the centre of facility	Thrust Area	Expected Outcomes	Total Fee (Rs. In lakhs)
Centre for Urban Disaster Management	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

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

Nil

16. Details of other publications made by regular faculty of the Department**Journals****M. Palaniappan**

- Published Land as a resource for urban development –An overview
- Betterment Levy and its Provisions in Various Acts in India-A Critical Analysis

Sanjukta Bhaduri

- Aditya Ajith, Shyamla Mani, Sanjukta Bhaduri, Planning Imperatives for Waste Management in Delhi, Urban India, NIUA, Vol.35. No.1.

Chidambara

- Chidambara (2016) “NMT as Green Mobility Solution for First/Last Mile Connectivity to Mass Transit Stations for Delhi” in International Journal Of Built Environment And Sustainability (IJBES) 3(3)/2016, 176-183; e-ISSN:2289-8948

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

M. Palaniappan

- Member of Indian institute of Public Administration, New Delhi
- Member of Indian Society for Labour Economics, New Delhi
- Member of Indian Society for Ecological Economics, New Delhi
- Member of Social Action Trust, Indian Social Institute, New Delhi
- Member of Indian Association of Social Sciences and Health, Mumbai
- Member of Indian Association for the Study of Population, New Delhi
- Member of Institute for Regional Sciences, Kanpur
- Member of Social Action Trust, New Delhi
- Member of Indian Society for Training and Development, New Delhi
- Member of Association of Local Governance of India, New Delhi
- Member of Nutrition Society of India, Hyderabad
- Member of Indian Association for Women’s Studies, Bengaluru
- Member of Indian Society for the Study of Reproduction and Fertility,
- Member of Indian Society for Technical Education, New Delhi
- Member of Indian Adult Education Association, New Delhi
- Member of Regional Science Association, India, Kolkata
- Member of Eco Tourism Society of India, New Delhi
- Member of Life Member of Indian Economic Association

Sanjukta Bhaduri

- Member of the expert committee, UGC for on the spot assessment of various infrastructural and other facilities available in the Jawaharlal Nehru Architecture and Fire Arts University (State University), Mahaveer Marg, Masab Tank, Hyderabad- 500 028 on 9-11Sept., 2016
- Member, Expert Committee, UGC for reviewing of the functioning of TERI School of Advanced Studies, New Delhi on 21-23 Nov., 2016
- Member, Expert Group on Urban Flood Mitigation, NDMA
- Member, Smart Cities Sectional Committee, CED 59, BIS
- Member, International Sociological Association
- Member, Council of Architecture
- Associate Member, Institute of Town Planners, India
- Life Member, Indian Institute of Public Administration
- Member, Regional Science Association
- Secretary, Centre for studies in Administrative Relief

Chidambara

- Associate Member, Institute of Town Planners, India
- Member, Institute of Urban Transport, India
- Member Alternate Focal Point for SPA, New Delhi, which is a University partner of Habitat-UNI

Nilanjana Dasgupta Sur

- Associate Member, Institute of Town Planners, India

18. Exhibitions, Seminars or workshops organized by the students and faculty of the department

A lecture delivered by Shri H.S. Anand, IAS and Shri B.K. Agarwal, IAS on 19 October 2016

19. Seminars or workshops attended by the faculty of the department

International Conferences

M. Palaniappan

(a) Participation Only

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

Sanjukta Bhaduri

- Presented a paper titled 'Sustainability of Urban Environment Indian Mega Cities' in the International Conference on Regional Urbanism in the era of globalization organised by University of Huddersfield, U.K., Huddersfield, 3-6 February 2016.
- Presented a paper titled 'Social IMPACT Assessment of Urban Transport Projects' in the International Conference on the futures we want; Global Sociology and the struggles for a better world organised by International Sociological Association (ISA) Forum, Vienna 10-14 July 2016.

(b) National Conferences, Seminars, Workshops

Sanjukta Bhaduri

Presentation of Papers

- Speaker, National Workshop with Town Vending Committee Members, organised by NASVI (National Association for Street Vendors of India, Delhi, 14 March 2016.
- Presented a paper titled 'Shelter for Marginalized Communities: Challenges and Options' in the International Conference on the Poverty Marginalization and Decentralization organised by Kerala Institute of Local Administration (KILA), RC -10 of International Sociological Association (ISA) and Centre for the Study of Administration of Relief, 19-22 November 2016.

- Presented a paper titled 'E-participation of Stakeholders' in the National Conference on the Innovative Cities Summit organised by TRAICON, 16-17 March 2017.

(c) Participation only

- Ease of Business for Construction Permit, Delhi, 28 April 2016.
- Smart Cities India 2016, SPA Exhibition and Conference, Delhi, 11-13 May 2016.
- Capacity Building on TOD, NMT and PBS, SPA, Delhi 21st May 2016.
- National Conference on 'Shelter in Emergencies-Challenges and Possibilities' organised by CARE INDIA, 25 February, 2016, Delhi.
- Workshop titled 'Connecting Mosaics – 2016', Exploring India's Culture of Spatial Planning, Organised by GIZ Land use Planning Management (LUPM) 8-9, June 2016, Bhubaneswar.
- Indo-German meeting on Smart City, GIZ, Delhi, 5 August 2016.
- Orientation of delivering MOOCs, INFLIBNET CENTRE, Ahmedabad 24 May 2016.
- ITPI Workshop on Planning Education, 7 February 2016.
- Workshop on 'Infrastructure Planning and Design for Amravati Capital City' Organised by Andhra Pradesh Capital Region Development Authority (APCDRA), 15-16 November 2016.
- Participated in the International Conference in Delhi organized by ITPI on 'Future of Cities, opportunities and Challenges in New Delhi 27-28 July 2017 by ITPI.

Chidambara

- Participated in a 2-day training workshop on "Sharing of Singapore and International Best Practices in Public Financing organized by SCE, NITI Ayog, Temasek Foundation, New Delhi, 21-22 July 2016.
- Participated in "6th Asia Pacific Ministerial Conference on Housing and Urban Development (APMCHUD)" GoI, the Bureau of Asia Pacific Ministerial Conference on Housing and Urban Development, UN-Habitat, New Delhi 14-16 December 2016
- Participated in "Volvo Nobel memorial seminar on public transport: A case for disruptive change now!" organized by Embassy of Sweden, Volvo bus corporation, New Delhi 12 January 2017

Nilanjana Dasgupta Sur

- Participated in the National Workshop for IUWM Toolkit Launch and Project Launch for PROMISE Project, organized by ICLEI- South Asia on 23rd and 24 November 2016 at IHC, New Delhi
- Participated in the 6th Asian Pacific Ministerial Conference on Housing and Urban Development (APMCHUD) organized by Ministry of Housing and Urban Poverty Alleviation, Government of India on 14 till 16 December 2016 at Vigyan Bhawan, New Delhi.
- Participated in the International conference on "Reimagining Urban Spaces and Financing" organized by the IMC Chamber of Commerce and Industry on 21 January 2017 at IHC, New Delhi
- Participated in the 8th GRIHA Summit 2017 organised by Government of India and TERI on March 2-3 2017 at IHC, New Delhi
- Participated in the International Conference in Delhi organized by ITPI on 'Future of Cities, opportunities and Challenges in New Delhi 27-28 July 2017 by ITPI.

(d) Invited panelists, experts, jury member

Sanjukta Bhaduri

- Workshop titled 'Connecting Mosaics – 2016', Exploring India's Culture of Spatial Planning, Organised by GIZ Land use Planning Management (LUPM) Bhubaneshwar, 8-9 June 2016.
- Panelist, National Conference on 'Shelter in Emergencies-Challenges and Possibilities' organised by CARE INDIA, Delhi, 25 February 2016.
- Steering Committee for Future Positioning of Delhi Fire Service organised by FSAI Regional Head North and East, 13 June 2017

20. Courses and training programs of more than one week attended by the faculty of the department

Sanjukta Bhaduri

- Participated in a five days short term training program on GIS and its applications in Planning, organised by Centre for Analysis and System Studies, GIS and Remote Sensing (CASS), School of Planning and Architecture, Delhi between 27 May and 1 June 2017.

Nilanjana Dasgupta Sur

- Participated in a five days short term training program on GIS and its applications in Planning, organised by Centre for Analysis and System Studies, GIS and Remote Sensing (CASS), School of Planning and Architecture, Delhi between 27 May and 1 June 2017.

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

None

22. Internal and external members of the Board of Studies

Internal

- M Palaniappan, Chairman
- Sanjay Gupta, Chairman till 19 May 2017
- Sanjukta Bhaduri, Member
- Chidambara, Member
- Nilanjana Dasgupta Sur, Member

External

- Dr. S.P. Bansal

- Former Additional Commissioner, DDA, Delhi
- Shri P.S. Rana, Former CMD, HUDCO, Delhi
- Prof. Saswat Bandhyopadhyay, CEPT, Ahmedabad
- Shri V.K. Pathak, Former Chief Planner, Mumbai Planning Consultant, Mumbai
- Prof. O.P. Mathur, Former Director, NIUA, New Delhi

23. Internal and external members of the Departmental Research Committee

Internal

- Prof. Dr. Sanjay Gupta, Chairman till 19 May 2017
- Prof. Dr. Sanjukta Bhaduri, Member

External

- Prof. Manmohan Kapshe, Maulana Azad National Institute of Technology, Bhopal
- Dr. S.K. Kulshreshtha, Delhi

24. Prominent visitors to the department of studies:

- Shri J. K. Chowdhary, Former D.G. (Electrical) CPWD invited to deliver a special lecture on “Electrification of Towns – an Overview” on 27 March 2017.
- Shri Jitendra Bajpai, Formerly with the World Bank invited to deliver a special lecture talk on “How to Manage the Footprint of Urban Expansion in Indian Cities” on 25 April 2017.
- Shri Jitendra Bajpai, Formerly with the World Bank invited to deliver a special lecture talk on “How to Manage the Footprint of Urban Expansion in Indian Cities” on 25 April 2017.
- Dr. Ravikant Joshi, Urban Finance and Strategic Management Consultant invited to deliver a special lecture talk on “Financial Sustainability of Smart Cities Mission” on 7 April 2017.
- Shri P.S. Uttarwar, Formerly with the DDA invited to deliver two special lecture talks on “Urban Information Systems and Spatial Analysis” on 19 April 2017 and 26 April 2017.

25. Details of activities under various MOUs during the reporting year

Nil

26. Details of 'beyond syllabus scholarly activities' of the department

Nil

27. Any other information

Nil

LIBRARY

Prof. Dr. Ranjana Mital
Chairperson

Narendra Singh Dhama
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 continued to play an important role in the documentation and dissemination of knowledge and information in the areas of planning and architecture and allied fields. The Library of the School has been acting as a crucial resource centre to meet the information needs of its clientele, including students, faculty/staff members of the School, research scholars, students from India and abroad and other visiting faculty and users. The library is equipped with computer facilities and electronic facilities such as online resources to support the teaching, learning and research activities of the School.



The School maintains well-stocked libraries in both Planning and Architecture campuses. Together these libraries are arguably one of the richest storehouses of books/documents in the fields of planning and architecture in the entire Asian region. During the period under report 103 books, 220 theses, 93 dissertations and 58 bound volume of journals were added to the Library. The Library presently has a collection of 83829 books/documents.

Library subscribed JSTOR online database having access to more than 2096 online archived journals. Besides this 62 print and online journals of reputed publishers are also subscribed. For the convenience of its users library has provided remote access facility to access the online resources.

The Library resources materials has been barcoded and computerized using LibSys 4 software package. The LibSys 4 an integrated Library Management Software is being used for library computerization, consisting modules such as cataloguing, acquisitions, circulations, Serials and OPAC. The in-house operations that computerized are Cataloguing and Circulation. The Web OPAC can be accessed through Intranet and Internet, either directly using computers connected to the LAN or through the Internet URL. It facilitates browsing and searching the databases of books, theses and dissertations available in the SPA library.

Moreover, to update the readers Library brings out a monthly list of new addition in the library. To provide the readers a current awareness service the contents of the current periodicals and relevant information from the newspaper dailies, are made available electronically to the members. Photocopying services are provided to users of reference materials, articles, reports etc. Library has provided a single barcoded library membership card to its students, faculty and non-Teaching Staff for borrowing books.

The School Library had a membership of the Developing Library Network (DELNET). This has given the facility of access to our readers to the 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.

DOCUMENTATION CUM PUBLICATION UNIT

Name and Designation of the Staff

Ashok Kumar
Library and Information Officer

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 2016-17, DPU also brought out publications during the 2016-2017 as stated below:

- Annual Report 2015-16 (English)
- Annual Report 2015-16 (Hindi)
- SPACE Journal Vol. 19, No. 3-4, (July – Dec, 2015)
- SPACE Journal Vol. 20, No. 1-2, (Jan -June –2016)
- Thirty Fourth Convocation Booklet/Guest of Honor/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. Sridharan N.	Head, IQAC
Prof. Dr. Ashok Kumar	Coordinator, IQAC
Mr. 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 2015-16
- Coordinated for the celebration of the National Unity Day
- Coordinated 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 CENTRE FOR ANALYSIS AND SYSTEM STUDIES

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 Department

Nil

3. Year of establishment of the Department

- Centre for Analysis and System Studies - 17 October 1986.
- Centre for Geographical Information System - 21 January 2003.
- Centre for Remote Sensing - 29 July 1999.

4. Faculty profile

Name of the Faculty	Educational Qualifications	Designation	Areas of Specialization	Years of Experience	Remarks if any
Vinay Maitri	M.Sc, Ph.D.	Head CASS/GIS/RS Professor of Programming Controller of Examination Nodal Officer of NAD Cell	System Analysis and Design, Software Development, Computer Applications, Programming Languages, System Testing, E- content and Documentation, Management Information System (MIS), Data base Management, EDP Auditing, GIS, and ERP. ISO 9000, Customer Satisfaction and Relation, TQM, Project Monitoring and control, Resource Estimation, Requirement Analysis. Market Research. HRD. Quantitative Techniques, Statistics, O.R's Application in Transport, Environment, Urban and Regional, Housing. Transport Economics, Intelligent Transport System	39	NA

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

Nil

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

Faculty	Subject	Semester	Hours per week
Vinay Maitri	Planning and Design Studio	First Semester M. Plan Integrated	3
	Transport Economics	Second Semester M. Plan (TP)	2
	Intelligent Transport System	Third Semester M. Plan (TP)	3
	Thesis	Fourth Semester M. Plan (TP)	4
	Thesis	Fourth Semester M. Plan (UP)	3
	Thesis guidance to 5 students of Amity University		5

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
Mr. Jai Ghildiyal	I and II Housing	Computer and its Applications	1
Mr. Jai Ghildiyal	II and III Housing	GIS Studio	1
Mr. Jai Ghildiyal	I Integrated Programme		
Dr. Manish Kumar	M. Plan students	GIS Course	11
Ms. Anuya Dighe	I Integrated Programme	Integrated Programme for SPSS	1

(b) Details of Special Lectures undertaken in the Department

Name of the Expert	Semester	Topic	Date
Dr. Manish Kumar	For all students	Certification course in GIS and its Application	04-18 March 2017
Dr. Manish Kumar	For all students	Training Programme in GIS software for SPA faculty	26-17 September 2016
Dr. Manish Kumar	For all students	Certification course in GIS and its Application for Planning	06-17 June 2016

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

Auto-CAD class in Department of Architecture

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

Not applicable

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

- Thesis guidance to 1 students of Transport Planning
 - Rohit Kashyap- Role of I.T.S in an Mulimodal Interchange – Anand Vihar
- Member in Thesis guidance committee of Urban Planning
 - Dinesh Singh – Impact of Proposed Peripheral Express way on Real Estate Markets Case – Study : Kundli;- Manesar Palwal
 - Karan Singh – Planning Strategies for Urban Villages– Delhi
 - Pallavi Vitthal Thool – Rurbanisation and its impact on Metropolitan Region Pattern
 - Varikoti Sai Samyukta – Impact of Satellite Town on Development Pattern of HMR – Vikarabad
 - Tanvi Agarwal – Impact of Proposed Heritage Arc on Urban Development Economy
 - Annam Jitendra Sri Vishnukanth – Financing options for Implementing Smart City Proposals
- Thesis guidance to 5 students of Amity University
 - Priya Agarwal – GIS based Network Analysis for the Identification of Optimum Routes and Service area for Emergency Medical Facilities, Delhi
 - Aman Pathak - Change Dynamics of Sultanpur National Park 2006 - 2017 using Geo-Spatial Techniques
 - Alisha Khan - Environmental Impact of Rapid Urbanization in Gurugram city using Geo-Spatial Techniques
 - Srirupa Sinha - Road Information System using GeoInformatics and Remote Sensing techniques
 - Rahul Yadav - Seismic Vulnerability of NCT Delhi using Geospatial techniques

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

None

12. Research thrust areas of the Department

GIS application in spatial planning. E-courses content development

13. Completed and ongoing research projects in the Department

Monitoring of Output and Performance Based Road Contract (OPRC) for improvement, Rehabilitation, resurfacing and routines maintenance for Sangrur Mansa Bathinda network in Punjab (Contract Package No PSRSP/WB/OPRC/I/ICB)/ project funded by World Bank/ PSRSP Punjab and PWD Band R Punjab/TNM (Technology and Management Ltd.) and IMACS/2015-2016.

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

None

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

- “Impact of Urbanisation on Land Surface Temperature in Nagpur, Maharashtra”. Springer International
- Publishing AG 2017. Sustainable Smart Cities in India P. Sharma and S. Rajput (eds.) ISBN: 978 -3-31-47144-0 The Urban book Series, DOI 10.1007/978 -3-319-47145-7_15 (Year 2017)

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

E-Learning “Innovative-Smart cities, 2017 the Ultimate knowledge events for the business leaders of the smart city industries” Ultimate knowledge, 16th -17th March. 2017, held in Bengaluru.

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

Name of the faculty: Prof. Dr. Vinay Maitri.

(a) National Committee

- 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 Academic Council of SPA
 - Served as member in Technical committee for Delhi Traffic Police for the purchase and procurement of Breathe Analyzers, etc.
- Served as 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.
- Member, H-8 Committee of IRC on Urban Roads, Streets and Transport.

18. Exhibitions, Seminars or workshops organized by the students and faculty of the Department

(a) Seminars and Workshops organized by the Centre in SPA Delhi

- Organize Training program on Question Pro Online Software on 3 June 2016.
- Training Program on how to use Email id on @spa.ac.in domain.
- Training Program on GIS and its Applications in Planning 04-18 March 2017.
- Training Programme namely “Data handling with MS-Excel for SPA staff” on 30 and 31 August 2016
- Training Programme on “Turnitin” Online software on Anti Plagiarism for SPA Faculty on 30 September 2016.
- Organizing a Training Programme on GIS software for SPA Faculty members of school on 26 and 27 September 2016
- Training Program on to explore the utilization of the Tally ERP 9.0 Software on 8 March 2017.

- Certification Training Programme on “GIS and Its Applications for Planning” from 6 June 2016 to 17 June 2016.
- Organize a workshop “Global Trends in Real Estate, Infrastructure and Facilities Management ” with ARCHIBUS Inc. in Planning Block SPA 12 April 2017.
- Organise a workshop “Total Infrastructure and Facilities Management Programme” with ARCHIBUS Inc. in Auditorium of Architecture Building SPA 13 April 2017.

19. Seminars or workshops attended by the faculty of the Department:

- National conference for Awareness on National Academic Depository at Vigyan Bhawan on 9 August 2016.
- Annual conference of CILT Transforming the Railways as Integrated Logistic Provider, at National Rail Museum, Chanakyapuri, from 16 to 17 August 2016
- Regional training workshop for National Academic Depository at JMI University, Delhi on 7 October 2016
- World Sustainable Development Summit at India Habitat Center, Lodhi Road from 5 to 8 October 2016.
- 76th Annual conference of IRC at Hyderabad from 15 to 18 December 2016
- Volvo Nobel Memorial seminar at Leela Palace, Chanakyapuri, Delhi, on 12 January 2017.
- Esri India user conference at The Leela Ambience Convention Hotel, Delhi from 19 to 20 January 2017.

20. Courses and training programs attended by the faculty of the Department

- BIS training program of design standards for various facilities (ITS, Smart City, etc.) at Noida 4-5 October 2016
- Regional (South-IV) Workshop on Institutional Digital Repository (IDR -2017) SPA Vijayawada, 21-22 April 2017

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

Nil

22. Internal and external members of the Board of Studies

Not applicable

23. Internal and external members of the Departmental Research Committee

Not applicable

24. Prominent visitors to the Department of studies

- Mr. Vikaram Singh, Product Manager, Question Pro, Online Research Made Easy.
- Mr. Shreedhar Saraswati, Head-ARCHIBUS South Asia, Association with ARCHIBUS for the educational program for the Students of SPA.
- Mr. Vivek Singh Chauhan, Business Manager, esri India,
- Dr. Ankur Mittal, Senior Manager, National Securities Depository Limited, regarding NAD portal pilot test.

- Ms. Neha Arya, Product Associate, Balani Infotech Pvt. Ltd. Turnitin Online Software for checking academic documents, thesis, reports
- Mr. P Vishaka Murthy, Product Specialist- Vectorworks, Datalogics India Private Limited
- Mr. Sunil Singh, Sr. Manager-Sales, Lepton Software Export and Research Private Limited
- Mr. Pravash Kumar Pujari, Consultant- The Goggle Apps for Education, MediaAgility Inida Private Limited.
- Mr. Anoop H, Marketing Manager, 3M India Limited, Traffic Safety and Security Division

25. Details of activities under various MOUs during the reporting year

- MoU signed with I-Made on 30 September 2016 to develop SPA App
- MoU signed with Archibus Inc. USA on 5 December 2016 to get very valuable software free of cost for the students and faculty to work in the field of TIFM (Total Infrastructure and Facilities Management)
- MoU signed with Question Pro on 29 March 2016 to provide the facility of free survey.
- MoU signed with 3M on 28 June 2016 to helping in Intelligent Transport System.

26. Details of 'beyond syllabus scholarly activities' of the department

Not applicable

27. Any other information

- **Computerization and management of Online Admissions - 2017 work**
 - Managed and handled complete admission process of Post-Graduation students.
 - Run online and off-line Help-Centre and Reporting-Centre Under Online Admissions- 2017
- **Computerization and management of Online fee system**
 - Managed online fee system for students
- **Managed and implementation of online registration system**
 - Managed and implementation of online registration system for Fresher
- **Managing the service related to administration**
 - Maintaining and managing complete Biometric based attendance system.
 - Managing and uploading tenders of Purchase and maintenance section on Government e-tender Publishing system (CPP portal).
 - Managing and maintaining SPA web-site.
 - Preparing Tenders for Purchase and Maintenance Section.
 - Supporting in purchase of new peripherals for the school.

- **Computerization Admission and Examination work**
 - Providing admit cards, award sheets to examination section.
 - Managing student database and computerizing the same.
 - Preparing result tabulation work of examinations.
 - Preparing mark sheet for the students and computerizing the same.
 - Providing Examination Attendance sheet to examination section.
 - Managing Data on NAD Server.
 - Online question paper creation and submission.

- **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-authorized 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.

- **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 up-dation 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 Swachh Bharat, Aishe, e-scholarship portals.

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

Internet facilities for staff and students	Total number of Classrooms	Classrooms with ICT facility	Students Laboratories	Research Laboratories
1. CASS 25 LAN Points	One	Use of Projector with Smart	One GIS Lab	One for CASS
2. GIS Lab 23 LAN Points	One	Interactive Board		

Hardware	Name	Quantity	Company/Model
1.Computer	HP Machines	47 (27 GIS,20 CASS)	HP
	Mac Machines	5 (CASS)	Apple
2.Printers/Scanners/Plotters	Laser Jet	8	HP
		1	Canon
3. Switches	24Port, 48Port	5 (24port x4 , 48 port x1)	D-Link , Cisco
4. Wi-Fi	Access Points	1	D-Link
5. Web Filtering Device	UTM	1(300 user support)	Cyberoam 300ing
6. Server	HP	5	HP
	MAC	1	APPLE

Software available with the CASS

Software	Name	Quantity (No. of licenses)	Company/ Model	Other detail
1. SPSS Statistics 20.0		10	SPSS	
2. ArcGIS 10.1		20	ESRI India	
3. ArcView 10.1		20	ESRI India	
4. ArcInfo 10.1		2	ESRI India	
5. ERDAS Imagine 9.3		5	ERDAS	
6. LPS ERDAS 2011		5	ERDAS	
7. Primavera P6		4	CADD	
8. Primavera Risk Contractor		10		
9. Primavera Risk Analysis		-		
10. Auto Desk 2012 master suit		-	Auto Desk	MoU with
all software				Autodesk
11. UC-WIN		-		For whole
12. Win 2008 Server (32 and 64 Bit)		2		School
		25		
13. MS Office 2007		350		
14. MS Office 2010		12	Apple	
15. Vector Works		2	Apple	
16. Final Cut Studio		-	Apple	
17. Apple iwork 09		-	Apple	
18. Mac office 2008 Student Edition		1	Apple	
		-	Microsoft	
19. File Maker pro Server		1	Apple	
19. Windows 7 Ultimate		-	Bentley	
20. Mac OS 10 Server				
21. Bentley (MicroStation and other utility software extensions)		-	Bentley	MoU with Bentley
22. Bentley other utility software extensions		-	Bentley	For Whole School
23. Bentley- Advanced GeoStructural Analysis		-	Bentley	
			Quick-heal	
24. Bentley- STADD. Pro				
25. Quick-heal Anti-virus				

• **Other equipment**

Other Equipment (I.e. camera, calculator, handy cam etc.)	Name	Quantity	Company/ Model
Webcam	Logitech	1	Logitech

Infrastructure and facilities available in Remote Sensing Lab

Hardware	Name	Quantity
1	Digital Planometer (X Paln 360(C)	1
2	Calculators (Scientific)	2
3	OHP with Screen	1
4	Paralax Bars	6
5	Slide Projector	1
6	Stereoscope Pocket	8
7	Prism Steroscope	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	Epidoscope	1

List of Remote Sensing, Aerial Photographs

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	Gangi Nadi (Jaunpur, Ajamgarh 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

• Support Staff

Name and Designation	Qualification and Specialization
Shanti Swaroop (Junior System Analyst)	B.Sc (Computer Sc.) , Advanced Network Management
Jagdish Kumar (Junior System Analyst)	B. Sc (Computer Sc.) M.Sc (Mathematics)
Abhishek Jain. (Junior System Analyst)	B.Tech (Information Technology)
Navneet Kumar (Junior System Analyst) on contract	B. Tech.

AUTHORITIES OF THE SCHOOL AS PER SPA ACT 2014

1. Board of Governors (BOG) Chaired by an eminent person, who shall be an Architect or an Planner.
2. Senate with the Director of the School as the Chairman.
3. Finance Committee with the Director of the School as the Chairman.

In addition to these authorities, there is a Building Committee to advise on matters connected with buildings of the School and Selection Committees for recommending to the BOG with regard to the selections and appointments to the teaching posts in respective Departments of the school.

4. Such other authorities as may be declared as such.
5. The powers and functions of these bodies are laid down in SPA Act 2014. SPA was being governed by Rules of the School of Planning and Architecture Society prior to the enactment of SPA Act 2014.
6. During the year under report (1 April 2016 to 31 March 2017), following meetings were held of the BOG (earlier known as Executive Council), (earlier known as Academic Council), Finance Committee and Building Committee:-

(i)	BOG (earlier known as Executive Council)	3 meetings
(ii)	Senate (earlier known as Academic Council)	2 meetings
(iii)	Finance Committee	2 meetings
(iv)	Building Committee	1 meetings

EXECUTIVE COUNCIL

(replaced by the BOG and the first meeting was held on 11 April 2017)

9	(a)	An eminent person, who shall be Architect or Planner as Chairman of the Executive Council by the Chairman of the General council	Prof. Ram Sharma, Chairman G-104, Saket, New Delhi-17	
	(b)	4 nominees of the Government to represent:		
		(i) Technical Education	Shri S. P. Goyal Joint Secretary (T), MHRD, Shastri Bhawan, New Delhi-01	
		(ii) Housing	Shri Rajesh Kr. Dhiman CPWD, Room No.301, Arch-A-wing, Nirman Bhawan, New Delhi-110001	
		(iii) Urban and Regional Planning	The Jt. Secretary (Nominee of GOI, to represent Urban and Regional Planning), MHRD, Shastri Bhawan, New Delhi-110001	
		(iv) Finance	The Jt. Secretary & Financial Advisor, GOI, MHRD, Shastri Bhawan, New Delhi-01	
	(c)	President of the Institute of Town Planners, India, or his nominee	The President (ITPI) 4 Ring Road, I.P. Estate, New Delhi – 110002	
	(d)	President of the Indian Institute of Architects, or his nominee	Ar. Divya Khush Vice president of the IIF 6/402, East End Apartment, Mayur Vihar, Delhi-96	
	(e)	President of Institution of Engineers (India) or	Mr. H C S Berry, FIE 'Shantikunj' 406 Karoran Road, Naya Gaon,	

	his nominee	Chandigarh- 160103	
(f)	Dean of Studies of the School	Prof. Dr. Mandeep Singh Dean of Studies	
(g)	Three Head of Department namely:		
	(i) Head of the Department of Architecure.	Prof. Manoj Mathur HOD-Architecture	
	(ii) Head of the Department of Regional Planning and	Prof. Dr. Sanjay Gupta HOD-Urban Planning	
	(iii) One from amongst the Head of other Department, by rotation.	Prof. Dr. Meenakshi Dhote HOD- Environment Planning	
(h)	One Associate Professor of the School, by rotation, according to seniority.	Prof. Dr. Mayank Mathur Associate Professor of Physical Planning	
(i)	Director of the School Member	Prof. Chetan Vaidya	
(j)	A representative of SPA Alumni Association	Ar. Vijay Garg 532, Modern Apartment, Sector-15, Rohini, New Delhi-85	
	Registrar of the School	Prof. Dr. P.S. N. Rao Registrar- Secretary	Prof. Dr. Sewa Ram Registrar- Secretary w.e.f: 30.01.2017

ACADEMIC COUNCIL

(replaced by the Senate and the first meeting was held on 16 September 2017)

16 (i)	(a)	Director of the School, Chairman	Prof. Chetan Vaidya	
	(b)	Five persons, from amongst the educationists of repute/ eminent professional men, who are not in the service of the School nominated by the Chairman.	Prof. B. Misra, A-O 28, Kala Kunj, Shalimar Bagh, Delhi-110052.	
			Prof Ajay Khare Director, SPA Academic Transit Campus Sports Complex, 1 st Floor, Manit Bhopal, MP-462051	
			Mr. R. K. Safaya C-25, 1 st Floor, Jangpura extn. New Delhi- 110014	
			Ms. Uma Adusumilli Chief Planner E-block, opp. Drive in Theatre Bandra (east), Bandra Kurla complex, Mumbai-400051	
			Mr. Ashok B. Lall Architects 2 B Ramkishore Road, Civil Lines, New Delhi-110054	
	(c)	A nominee of the Institute of Town Planners, India	The Secretary-General Institute of Town Planners, India 4-A, Ring Road, I.P. Extn. New Delhi-110002	
(d)	A nominee of the Indian Institute of Architects	Ar. Sunil Degwekar Hon. Treasurer, IIA, Swanand Sadanika, Flat No. Tb-1, Plot No.U-1, Scientific Society Layout, Laxmi Nagar, Nagpur-440022		

(e)	A nominee of the Institution of Engineers (India).	Mr. H. K. Mittal FIE, "Krishnam", 346 Vivek Vihar, New Sanganer Road, Dodala Jaipur-302019	
(f)	A nominee of All India Council for Technical Education	Prof. Pushplata Deptt. of Architecture and Planning, Indian Institute of Technology, Roorkee, Uttarakhand -247667	
(g)	Dean of Studies of the School	Prof. Dr. Mandeep Singh Dean of Studies	
(h)	All the Heads of the Departments	Prof. Manoj Mathur Head of the Department of Architecture	
		Prof. Dr. Sanjay Gupta Head of the Department of Urban Planning	
		Dr. Vinita Yadav Head In-charge of the Department of Regional Planning	
		Prof. Dr. Meenakshi Dhote, Head of the Department of Environmental Planning	
		Prof. Dr. P. S. N. Rao Head of the Department of Housing	
		Prof. Dr. P. K. Sarkar Head of the Department of Transport Planning	
		Prof. Dr. Rommel Mehta Head of the Department of Landscape Architecture Prof. Chetan Vaidya Head In-Charge of the Department of Landscape Architecture	Prof. Dr. Surinder K. Suneja Head of the Department of Landscape Architecture w.e.f.: 16.01.2017

		Shri. Arunava Dasgupta Head In-charge of the Department of Urban Design	
		Prof. Dr. V. K. Paul, Head of the Department of Building Engineering & Management	
		Dr. R. Biswas Head of the Department of Physical Planning	
		Prof. Dr. Priyaleen Singh Head of the Department of Architectural- conservation	
		Prof. Neerja Tiku, Head of the Department of Industrial Design	Shri Parag Anand Meshram Head In-charge of the Department of Industrial Design w.e.f.: 01.01.2017
(i)	All Professors other than the Heads of the Departments	Prof. Dr. N. Sridharan Professor of Regional Planning,	
		Prof. Dr. Sanjukta Bhaduri Professor of Urban Planning	
		Prof. Dr. Ranjana Mittal, Professor of Architecture	
		Prof. Dr. Jaya Kumar, Professor of Architecture	
		Prof. Dr. Anil Dewan, Professor of Architecture	
		Prof. Dr. Aruan Ramani Grover, Professor of Architecture	
		Prof. M. L. Bahri Professor of Architecture	
		Prof. Dr. Vinay Maitri Prof. of Programming and Head, CASS	
		Prof. Neerja Tiku, Prof. of Industrial Design	

			Prof. Dr. Ashok Kumar Prof. of Physical Planning	
			Prof. Nalini Thakur Prof. of Architectural- conservation	
			Prof. Dr. Mahavir, Prof. of Environmental Planning	
			Prof. Dr. Mandeep Singh Prof. of Architecture	
			Prof. Dr. Rommel Mehta Prof. of Landscape Architecture	
			Prof. Y. K. Jain Prof. of Civil Engineering Dept. of Architecture	
(j)	Six members of the Teaching staff, representing the Assistant Professors and Lecturers of the School, by rotation, for a period of one year, according to combined seniority list	Ms. Chidambara, Assistant Professor of Urban Planning	Ms. Anuradha Chaturvedi Associate Professor of Arch. Conservation w.e.f: 08.11.2016	
		Dr. P. Rajaprakash Assistant Professor of Architecture	Shri.Parag Anand Meshram Associate Professor of Industrial Design w.e.f: 08.11.2016	
		Shri. M. Palaniappan, Assistant Professor of Urban Planning	Ms. Krity Gera Assistant Professor of Industrial Design w.e.f: 08.11.2016	
		Shri. S. K. Aaditya Assistant Professor of Architecture	Ms. Parul Kiri Roy Assistant Professor of Architecture w.e.f: 08.11.2016	
		Dr. Sewa Ram Associate Professor of Transport Planning	Ms. Moulshri Joshi Assistant Professor of Architecture w.e.f: 08.11.2016	
		Dr. Mayank Mathur Associate Professor of Physical Planning	Shri Shuvojit Sarkar Assistant Professor of Architecture w.e.f: 08.11.2016	

	(k)	A Representative of SPA Alumni Association	Ar. Punit Sethi C-934, Sashant Lok-I, Gurgaon-122009	
		Registrar of the School	Prof. Dr. P.S. N. Rao Registrar- Secretary	Prof. Dr. Sewa Ram Registrar- Secretary w.e.f: 30.01.2017

FINANCE COMMITTEE
(1 April 2016 to 31 March 2017)

19 (i)	(a)	Director of the School Chairman	Prof. Chetan Vaidya	
	(b)	Two Representative of the Govt. of India to represent.		
		(i) Technical Education	Shri S. P. Goyal Joint Secretary (T), Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi-110001	
	(ii) Finance	The Director (F) MHRD, Shastri Bhawan, New Delhi-110001		
	(c)	No nomination has been received from UGC for this constituency.		
	(d)	Two Nominees of Executive Council, one of whom shall be a member of the Executive Council.	Ar. Vijay Garg 532, Modern Apartment, Sector-15, Rohini-110085	
Prof. H. B. Singh D-6, Seemant Vihar, Kaushambi, Ghaziabad, U.P-201010				
	Registrar of the School	Prof. Dr. P.S. N. Rao Registrar- Secretary	Prof. Dr. Sewa Ram Registrar- Secretary w.e.f: 30.01.2017	

BUILDING COMMITTEE
(1 April 2016 to 31 March 2017)

Director of the School Chairman	Prof. Chetan Vaidya	
Nominee of the Executive Council	Ar. Divya Khush 6/402, East End Apartment, Mayur Vihar, Delhi-110096	
Two Nominees of faculty of the School to be nominated by the Director	Prof. Dr. Mandeep Singh Dean & Prof. of Architecture Prof. Dr. V. K. Paul HOD- BEM	
Chairman Campus Management Committee	Prof. Manoj Mathur HOD- Architecture	
Representative of Ministry of Urban Affairs and employment Finance3 Branch (work)	Smt. S. K. Ram Deputy Financial Advisor, GOI, Ministry of Urban Development, Finance Division, Nirman Bhawan, New Delhi-01	
Director General of CPWD or his nominee	Shri R. K. Dhiman Chief Architect (Works), Central Public Works Department, Nirman Bhawan New Delhi - 110011	
A nominee of Government of India to Represent Technical Education.	Shri S. P. Goyal Joint Secretary (T), Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi-110001	
Registrar of the School	Prof. Dr. P.S. N. Rao Registrar- Secretary	Prof. Dr. Sewa Ram Registrar- Secretary w.e.f: 30.01.2017

BOARD OF GOVERNORS
(From 11 April 2017)

1.	Ar. Amogh Kumar Gupta Chairperson-BOG 15, Amaltas Phase-I, Chuna Bhatti, Bhopal-462016	8.	Prof. Dr. Mahavir (representative from Senate (Plng.)), Professor of Planning, School of Planning and Architecture, New Delhi-110002
2.	Smt. Punya Salila Srivastava Secretary, Training & Technical Education, Govt. of NCT, Muni Mayaram Marg, Pitampura, Near TV Tower, Delhi- 110088	9.	Shri R. Subrahmanyam, IAS, Additional Secretary (TE), Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi-110001
3.	Dr. D. S. Mesham President, Institute of Town Planners, 4-A, Ring Road, I.P. Extn. New Delhi-110002	10.	Ms. Darshana M. Dabral, JS & FA Govt. of India, MHRD, Dept. of Higher Education Technical Section – VI, Shastri Bhawan, New Delhi-110001
4.	Ar. Balbir Verma (representative from Council of Architecture), K-11, Kailash Colony New Delhi -110048	11.	Dr. Sameer Sharma Addl. Secretary (Smart Cities) Ministry of Urban Development Maulana Azad Rd, Nirman Bhawan, New Delhi- 110011
5.	Prof. Subrata Chattopadhyay (representative from All India Council for Technical Education), Professor and Head of Architecture And Regional Planning Department IIT, Kharagpur-721302	12.	Prof. Dr. N. Sridharan, Director (Additional Charge) School of Planning and Architecture, New Delhi – 110002
6.	Prof. Vir Singh (representative from University Grants Commission), Department of Physics, Indian Institute of Technology, Roorkee -247667	13.	Prof. Dr. Sewa Ram Registrar - Secretary School of Planning and Architecture, New Delhi-110002
7.	Prof. Dr. Mandeep Singh (representative from Senate (Arch.)), Professor of Architecture, School of Planning and Architecture, New Delhi-110002		

SENATE
(From 16 September 2017)

1.	Prof. Dr. N. Sridharan, Director (Additional Charge) School of Planning and Architecture, New Delhi – 110002	10.	Prof. Dr. Surendra K. Suneja Dean Academic & Professor of Landscape Architecture SPA, New Delhi-110002
2.	Prof. Dr. Rane Maria Leonie Vedaumuthu Dean . School of Architecture and Planning Anna University, Chennai – 600025 (nominated by Chairperson (BOG))	11.	Prof. Dr. Mahavir Dean Research, Student Affairs & Faculty Affairs & Professor of Planning SPA, New Delhi-110002
3.	Prof. B. K. Sengupta Professor & Head (Retired) Dept. of Architecture & Regional Planning, IIT, Kharagpur, Ca-127, Salt Lake City, Sector -1, Kolkata -700064 West Bengal (nominated by Chairperson (BOG))	12.	Prof. Dr. V. K. Paul Dean, Planning & Development & Professor of BEM SPA, New Delhi-110002
4.	Prof. Alok Ranjan Dept. of Architecture, MNIT, Jawahar Lal Nehru Marg, Jhalana Gram, Malviya Nagar, Jaipur, Rajasthan-302017 (nominated by Chairperson (BOG))	13.	Prof. Manoj Mathur Head of the Dept. of Architecture SPA, New Delhi-110002
5.	Prof. Rajiv Mishra Principal, Sir J.J. College of Architecture, 78/3, Dr. D. N. Road, Mumbai- 400001. (nominated by Chairperson (BOG))	14.	Shri M. Palaniappan Head of the Dept. of Urban Planning SPA, New Delhi-110002
6.	Prof. Dr. Yogesh Garg Department of Architecture & Planning, Maulana Azad National Institute of Technology,16, Amaltas Phase-I, Chuna Bhatti, Kolar Road, Bhopal-462016 (nominated by Chairperson (BOG))	15.	Prof. Dr. Vinita Yadav Head of the Dept. of Regional Planning SPA, New Delhi-110002
7.	Prof. Dr. Najammuddin Institute of Town Planners, 4-A, Ring Road, I.P. Estate, New Delhi-110002	16.	Prof. Dr. Meenakshi Dhote Head of the Dept. of Environmental Planning SPA, New Delhi-110002
8.	Ar. Soumyendu Shankar Ray M/s Vastukar Architects, 2855, Nageswar Tangi, Bhubaneswar- 751002 (nominee of Council of Architecture)	17.	Prof. Dr. Sanjay Gupta Head of the Dept. of Transport Planning SPA, New Delhi-110002
9.	Ar. Ashutosh Kr. Agarwal Architect-Urban Designer, 201-222 (2 nd Floor), A-2 Acharya Niketan, Mayur Vihar Phase -1, New Delhi-110091 (nominee of All India Council for Technical Education)	18.	Prof. Dr. Ashok Kumar Head of the Dept. of Housing SPA, New Delhi-110002

19.	Prof. Dr. R. Biswas Head of the Dept. of Physical Planning SPA, New Delhi-110002	31.	Prof. Dr. P. S. N. Rao Professor of Housing SPA, New Delhi-110002
20.	Shri Arunava Dasgupta Head of the Dept. of Urban Design SPA, New Delhi-110002	32.	Prof. Dr. Aruna Ramani Grover Professor of Architecture SPA, New Delhi-110002
21.	Prof. Dr. Rommel Mehta Head of the Dept. of Landscape Architecture SPA, New Delhi-110002	33.	Prof. Dr. Jaya Kumar Professor of Architecture SPA, New Delhi-110002
22.	Ms. Anuradha Chaturvedi Head of the Dept. of Arch. Conservation SPA, New Delhi-110002	34.	Prof. Dr. Ranjana Mittal Professor of Architecture SPA, New Delhi-110002
23.	Prof. Dr. Anil Dewan Head of the Dept. of Building Engineering & Management SPA, New Delhi-110002	35.	Prof. Dr. Mayank Mathur Professor of Physical Planning SPA, New Delhi-110002
24.	Shri Parag Anand Meshram Head of the Dept. of Industrial Design SPA, New Delhi-110002	36.	Prof. Dr. Poonam Prakash Professor of Physical Planning SPA, New Delhi-110002
25.	Prof. Dr. Mandeep Singh Professor of Architecture SPA, New Delhi-110002	37.	Dr. P. Rajaprakash Assistant Professor of Architecture SPA, New Delhi-110002
26.	Prof. Dr. Priyaleen Singh Professor of Arch. Conservation SPA, New Delhi-110002	38.	Shri S. K. Aaditya Assistant Professor of Architecture SPA, New Delhi-110002
27.	Prof. Dr. P. K. Sarkar Professor of Transport Planning SPA, New Delhi-110002	39.	Ms. Kriti Gera Assistant Professor of Industrial Design SPA, New Delhi-110002
28.	Prof. Dr. Vinay Maitri Professor of Programming SPA, New Delhi-110002	40.	Ms. Parul Kiri Roy Assistant Professor of Architecture SPA, New Delhi-110002
29.	Prof. Dr. Sanjukta Bhaduri Professor of Planning SPA, New Delhi-110002	41.	Prof. Dr. Sewa Ram Registrar-Secretary & Professor of Transport Planning SPA, New Delhi-110002
30.	Prof. Y. K. Jain Professor of Civil Engineering SPA, New Delhi-110002		

SCHOOL OF PLANNING AND ARCHITECTURE
ANNUAL ACCOUNTS
2016-2017

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
BALANCE SHEET AS ON 31-03-2017

(Amount Rs.)

SOURCES OF FUNDS	Schedule	Current Year	Previous Year
CORPUS/CAPITAL FUND	1A	99,34,305	62,74,950
RESERVES/SURPLUS	1B	(5,52,91,109)	(1,02,61,512)
DESIGNATED/ EARMARKED/ENDOWMENT FUNDS	2	21,51,13,199	21,85,51,953
CURRENT LIABILITIES AND PROVISIONS	3	16,91,75,718	14,93,77,524
		33,89,32,113	36,39,42,915

APPLICATION OF FUNDS	Schedule	Current Year	Previous Year
ASSETS			
FIXED ASSETS			
Tangible Assets	4A	12,77,11,627	13,04,74,601
Capital Work in Progress	4B	69,48,738	64,87,185
INVESTMENTS-FROM EARMARKED/ENDOWMENT FUNDS	5	2,21,10,070	1,53,45,971
INVESTMENTS-OTHERS	6	66,90,236	6,08,19,689
CURRENT ASSETS	7	12,24,27,403	8,08,76,638
LOANS, ADVANCES AND DEPOSITS	8	5,30,44,039	6,99,38,831
TOTAL		33,89,32,113	36,39,42,915

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. SUNDER KUMAR SHARMA PARTNER	Sd/- GIRISH KUMAR ASSISTANT REGISTRAR (A&B)	Sd/- PROF.DR.SEWA RAM REGISTRAR	Sd/- CHETAN VAIDYA DIRECTOR
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PLACE : NEW DELHI
DATE : 30-06-2017

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD
ENDED 31-03-2017

(Amount Rs.)

INCOME	Schedules	Current Year	Previous Year
ACADEMIC RECEIPTS	9	6,10,29,382	5,96,59,074
GRANTS/SUBSIDIES RECEIVED	10	33,74,00,000	26,00,00,000
INTEREST EARNED	11	52,04,398	1,21,81,632
OTHER INCOME	12	1,33,95,514	2,51,79,967
TOTAL (A)		41,70,29,294	35,70,20,673
EXPENDITURE			
STAFF PAYMENTS AND BENEFITS	13	31,31,77,481	26,92,46,211
ACADEMIC EXPENSES	14	3,61,08,178	3,40,76,921
ADMINISTRATIVE AND GENERAL EXPENSES	15	9,15,64,935	8,07,45,848
TRANSPORTATION EXPENSES	16	3,45,265	4,63,805
REPAIR & MAINTENANCE EXPENSES	17	1,58,36,698	3,53,60,867
OTHER EXPENSES	18	50,26,334	94,12,153
TOTAL (B)		46,20,58,891	42,93,05,805
BALANCE BEING EXCESS OF EXPENDITURE OF INCOME (A-B)		(4,50,29,597)	(7,22,85,132)
TRANSFER TO SPECIAL RESERVE (SPECIFY EACH)		-	-
TRANSFER TO /FROM GENERAL RESERVE		-	-
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO RESERVES AND SURPLUS		(4,50,29,597)	(7,22,85,132)
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. SUNDER KUMAR SHARMA
PARTNER

Sd/-
GIRISH KUMAR
ASSISTANT REGISTRAR (A&B)

Sd/-
PROF.DR.SEWA RAM
REGISTRAR

Sd/-
CHETAN VAIDYA
DIRECTOR

PLACE : NEW DELHI
DATE : 30-06-2017

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017**

(Amount Rs.)

SCHEDULE 1 - CORPUS/CAPITAL FUND	Current Year	Previous Year
A) Corpus Fund		
Balance as at the beginning of the year	62,74,950	38,38,640
Add: Contributions towards Corpus Fund	-	-
Transfer from Consultancy Fund	13,01,855	9,86,844
Transfer from DASA Fees	23,57,500	14,49,466
Total A	99,34,305	62,74,950

B) Reserves and Surplus	Current Year	Previous Year
Balance as at the beginning of the year	(1,02,61,512)	6,20,23,620
Add: Excess of Income over expenditure transferred from the Income & Expenditure Account	(4,50,29,597)	(7,22,85,132)
Total B	(5,52,91,109)	(1,02,61,512)

Compiled on the basis of books of accounts Produced before us.

**For SUNDER SHARMA & CO.
CHARTERED ACCOUNTANTS**

Sd/-
CA. SUNDER KUMAR SHARMA
PARTNER

Sd/-
GIRISH KUMAR
ASSISTANT REGISTRAR (A&B)

Sd/-
PROF.DR.SEWA RAM
REGISTRAR

Sd/-
CHETAN VAIDYA
DIRECTOR

**PLACE : NEW DELHI
DATE : 30-06-2017**

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

	Fund Wise Breakup		Total	
	Fixed Asset & Building Fund	Endowment Fund (Schedule-2A)	Current Year	Previous Year
SCHEDULE 2 - DESIGNATED / EARMARKED / ENDOWMENT FUNDS				
A				
a) Opening balance of the funds	21,76,48,847	9,03,106	21,85,51,953	23,89,90,613
b) Additions during the year:			-	-
1) Income from Investments made on account of funds		63,501	63,501	61,520
2) Accrued Interest on Investment/Advances			-	-
3) Interest on Saving Bank A/c			-	-
4) Addition of new fund		-	-	1,00,000
i) Gifted Capital	11,321		11,321	30,081
j) Capital Expenditure - Plan	1,00,00,000		1,00,00,000	-
k) Capital Expenditure - Non Plan			-	-
TOTAL (A)	22,76,60,168	9,66,607	22,86,26,775	23,91,82,214
B Utilisation/Expenditure towards objectives of funds				
i. Capital Expenditure- depreciation	1,33,94,041	-	1,33,94,041	2,06,30,261
ii. Revenue Expenditure	-	1,19,535	1,19,535	
TOTAL (B)	1,33,94,041	1,19,535	1,35,13,576	2,06,30,261
Closing Balance at the year end (A-B)	21,42,66,127	8,47,072	21,51,13,199	21,85,51,953

(Amount Rs.)

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

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		Interest			
1		Shreya Anand Gold Medal A/c.	97,448	-	9,041	1,06,489	17,300	89,189	
2		Nomi Bose Endowment	(7,616)	-	316	(7,300)	290	(7,590)	
3		Prof. S.K. Narayana Gold Medal	1,06,983	-	9,041	1,16,024	17,794	98,230	
4		Ved Prakash Saini Memorial Award	1,731	-	1,085	2,816	1,896	920	
5		Subash Paranjape Mamorial Award	25,475	-	795	26,270	730	25,540	
6		Krishna Saini Gold Medal	36,945	-	2,537	39,482	1,046	38,436	
7		Prof. C.M. Master Memorial Award	(71)	-	-	(71)	-	(71)	
8		Narendra Juneja Memorial Award	1,45,201	-	7,233	1,52,434	16,134	1,36,300	
9		Setur Ananama Award	2,056	-	-	2,056	-	2,056	
10		Prof. T.J. Manickam Memorial Award	(70,014)	-	5,425	(64,589)	4,980	(69,569)	
11		L.R. Vagle	70,219	-	4,521	74,740	4,150	70,590	
12		Vandana Goel Gold Medal Fund	1,38,833	-	3,616	1,42,449	7,820	1,34,629	
13		M.R. Aghihotri Fund	24,854	-	1,808	26,662	3,460	23,202	
14		N.S. Saini Gold Medal	1,13,621	-	-	1,13,621	9,494	1,04,127	
15		J.K. Chaudhary Fund Trust	2,17,441	-	18,083	2,35,524	34,441	2,01,083	
		Total	9,03,106	-	63,501	9,66,607	1,19,535	8,47,072	

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

(Amount Rs.)

	Current Year		Previous Year
	School	Consultancy Fund	
SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS			Total
A. CURRENT LIABILITIES			
1. Deposits from staff	12,93,392		13,41,992
2. Security Deposits from students	1,88,13,095		1,86,00,035
3. Student Association fees	1,71,85,982		1,53,58,280
4. Sundry Creditors			
a) For Goods and Services	2,18,847		20,93,085
b) Others	2,33,962		2,33,962
5. Deposits-Others (Including EMD, Security Deposit)			
a) Deduction from Salary	29,21,875		33,65,952
b) Earnest Money Deposit/Security Deposit	56,93,413		66,70,325
6. Statutory Liabilities			
a) Overdue			-
b) Others	26,99,164		27,69,850
7. Other Current Liabilities			
a) Salaries			-
b) Sponsored projects	3,19,91,523		4,34,71,110
c) Sponsored fellowship & Scholarships	61,21,542		58,15,206
d) Unutilised Grants			-
e) Grants in advance			-
f) Other Liabilities	92,305		17,92,728
g) Payable to consultancy project subsidiary accounts		3,16,28,455	3,16,28,455
h) Outstanding Expenses			
Academic Expense			-
Administrative Expense	1,58,75,506		1,58,75,506
Repair and Maintenance	2,90,750		2,90,750
Establishment Expense	1,13,73,469		1,13,73,469
Concerned PDF Departments		85,91,862	85,91,862
i) Stale Cheques	32,80,991		32,80,991
j) Leave Salary Contribution	5,03,039		5,03,039
k) Pension Contribution	8,28,100		8,28,100
l) Pension Payable	36,86,579		36,86,579
m) Amount Payable to GPF/CPF /NPS	42,59,839		42,59,839
n) CSAB Counselling Center	96,748		96,748
o) Fees Refundable	14,95,280		14,95,280
TOTAL (A)	12,89,55,401	4,02,20,317	14,93,77,524

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

(Amount Rs.)

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	-	1,00,860	18,31,871	17,31,011	15,79,548	1,51,463	-
(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							
(a)	Quality Improvement Programme	400	-	-	400	-	400	-
7	UNESCO: 19th & 20th Century in Arch. Conservation in India							
(a)	Manual on District Planning	27,658	-	-	27,658	-	27,658	-
(b)	NCR Probe - DST Project	1,67,634	-	-	1,67,634	-	1,67,634	-
8	Department of Science and Technology							
(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							
(a)	Board Guidelines on principles of Zoo Designing	6,00,000	-	-	6,00,000	-	6,00,000	-
11	SJSRY Grant							
(a)	SJSRY Grant	52,505	-	-	52,505	-	52,505	-
12	M/UD - Alter. Approches to Master Plan							
(a)	M/UD - Alter. Approches to Master Plan	187	-	-	187	-	187	-
13	Fire Safety in Environment Project							
(a)	Fire Safety in Environment Project	1,00,000	-	-	1,00,000	-	1,00,000	-
14	Ministry of Social Welfare							
(a)	Ministry of Social Welfare	1,70,603	-	-	1,70,603	-	1,70,603	-
15	Chance 2 sustain							
(a)	Chance 2 sustain	23,83,305	-	-	23,83,305	34,500	23,48,805	-
16	DIC DU Project							
(a)	DIC DU Project	49,27,100	-	-	49,27,100	49,35,000	-	10,900
17	Kalpa & Sangla Project							
(a)	Kalpa & Sangla Project	-	3,26,221	3,83,837	57,616	-	57,616	-
18	Rajiv Avas Yojna							
(a)	Rajiv Avas Yojna	3,96,503	-	-	3,96,503	-	3,96,503	-
19	Curaj Design Project (Rajasthan University)							
(a)	Curaj Design Project (Rajasthan University)	50,000	-	-	50,000	-	50,000	-
20	Bharmour Chamba Distt. Project							
(a)	Bharmour Chamba Distt. Project	4,44,060	-	-	4,44,060	-	4,44,060	-
21	I.U.S.F.B.							
(a)	I.U.S.F.B.	1,33,732	-	-	1,33,732	-	1,33,732	-
22	N.R.C. Project							
(a)	N.R.C. Project	-	1,80,143	-	1,80,143	-	-	1,80,143
23	HUDCO							
(a)	HUDCO	1,83,096	-	2,45,000	4,28,096	4,16,506	11,590	-
24	SINP Project							
(a)	SINP Project	17,21,824	-	-	17,21,824	19,04,664	-	1,82,840
25	GIZ project							
(a)	GIZ project FA 1	-	39,052	-	-	-	-	39,052
26	MHRD Space Audit							
(a)	MHRD Space Audit	-	-	-	-	-	-	-
27	Clamitrance							
(a)	Clamitrance	26,50,380	-	12,51,587	39,01,977	16,99,992	22,01,985	-
28	Slum Developers							
(a)	Slum Developers	3,26,294	-	32,208	3,58,502	2,31,693	1,26,809	-
29	SP4 DIG MHRD Project							
(a)	SP4 DIG MHRD Project	2,75,00,000	-	95,200	2,75,95,200	93,75,544	1,82,19,656	-
30	I.C.H.R Project							
(a)	I.C.H.R Project	-	-	3,58,500	3,58,500	3,28,469	30,031	-
31	Rajasthan Rurban Project							
(a)	Rajasthan Rurban Project	-	-	67,45,772	67,45,772	32,22,848	35,22,924	-
32	Kerala Rurban Project							
(a)	Kerala Rurban Project	-	-	4,75,000	4,75,000	-	4,75,000	-
33	RICS Research Trust Project							
(a)	RICS Research Trust Project	-	-	2,18,875	2,18,875	62,516	1,56,359	-
34	E Pathshala Project							
(a)	E Pathshala Project (Urban Design)	7,00,000	-	7,00,000	7,00,000	-	7,00,000	-
(b)	E Pathshala Project (Planning)	7,15,000	-	7,15,000	7,15,000	5,04,826	2,10,174	-
	TOTAL	4,34,71,110	11,42,841	1,30,52,860	5,68,12,649	2,42,99,106	3,19,91,523	9,09,500

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

(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
A	TANGIBLE ASSETS											
a	Land											
1	Land (Leasehold)	0%	2,01,97,098	-	-	2,01,97,098	-	-	-	-	2,01,97,098	2,01,97,098
	Total (a)		2,01,97,098	-	-	2,01,97,098	-	-	-	-	2,01,97,098	2,01,97,098
b	Building											
1	Planning	2%	5,35,71,845	12,57,702	-	5,48,29,547	1,34,31,408	10,96,591	-	1,45,27,999	4,03,01,548	4,01,40,437
2	Architecture	2%	2,76,86,704	14,83,543	-	2,91,70,247	52,68,905	5,83,405	-	58,52,310	2,33,17,937	2,24,17,799
3	M.B. Complex	2%	5,78,55,749	18,57,108	-	5,97,12,857	2,33,86,389	11,94,257	-	2,45,80,646	3,51,32,211	3,44,69,360
	Total (b)		13,91,14,298	45,98,353	-	14,37,12,651	4,20,86,702	28,74,253	-	4,49,60,955	9,87,51,696	9,70,27,596
c	Fixed Assets											
1	Office Equipment	7.5%	4,98,06,512	8,19,114	-	5,06,25,626	4,61,01,821	37,96,922	-	4,98,98,743	7,26,883	37,04,691
2	Computer Peripherals	20%	12,00,01,833	19,54,309	-	12,19,56,142	11,67,08,464	36,84,231	-	12,03,92,695	15,63,447	32,93,369
3	Furniture/Fixture/Fitting	7.5%	2,96,37,151	9,74,897	-	3,06,12,048	2,39,84,562	22,95,904	-	2,62,80,466	43,31,562	56,52,589
4	Vehicles	10%	19,95,982	-	-	19,95,982	19,95,982	-	-	19,95,982	-	-
5	Library Books&Journals	10%	5,02,59,616	22,73,073	-	5,25,32,689	4,97,59,300	7,27,623	-	5,04,86,923	20,45,766	5,00,316
6	Gifted Books Of journals	10%	1,21,777	11,321	-	1,33,098	37,223	13,310	-	50,533	82,566	84,554
7	Consultancy Fixed Asset	10%	17,986	-	-	17,986	3,598	1,799	-	5,396	12,590	14,388
	Total (c)		25,18,40,857	60,32,714	-	25,78,73,571	23,85,90,950	1,05,19,788	-	24,91,10,738	87,62,833	1,32,49,907
	Grand Total (a+b+c)		41,11,52,253	1,06,31,067	-	42,17,83,320	28,06,77,652	1,33,94,041	-	29,40,71,693	12,77,11,627	13,04,74,601
B	CAPITAL WORK IN PROGRESS											
	Development of Vasant Kunj (W.L.P.)	0%	64,87,185	4,61,553	-	69,48,738	-	-	-	-	69,48,738	64,87,185
	Total (B)		64,87,185	4,61,553	-	69,48,738	-	-	-	-	69,48,738	64,87,185
	Grand Total (A+B)		41,76,39,438	1,10,92,620	-	42,87,32,058	28,06,77,652	1,33,94,041	-	29,40,71,693	13,46,60,365	13,69,61,786
	Previous Year		39,47,82,899	2,28,56,539	-	41,76,39,438	26,00,47,391	2,06,30,261	-	28,06,77,652	13,69,61,766	13,47,35,508

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

(Amount Rs.)

FUNDS	FUND-WISE BREAK UP				Previous Year Total
	Current Year		Total	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	8,73,852	2,12,36,218	2,21,10,070	1,53,45,971	
TOTAL	8,73,852	2,12,36,218	2,21,10,070	1,53,45,971	

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

(Amount Rs.)

SCHEDULE 6 - INVESTMENTS - OTHERS	Current Year			Previous
	School	Consultancy Fund	Total	
1. In Central Government Securities	-			-
2. In State Government Securities	-	-	-	-
3. Other approved Securities	-	-	-	-
4. Shares	-	-	-	-
5. Debentures and Bonds	-	-	-	-
6. Others	66,90,236	-	66,90,236	6,08,19,689
Total	66,90,236	-	66,90,236	6,08,19,689

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

SCHEDULE 7 CURRENT ASSETS				(Amount Rs.)	
	School	Current Year Consultancy Fund	Total	Previous Year Total	
1. Stocks					
a) Stores and Spares	-	-	-		-
b) Loose Tools	-	-	-		-
c) Publications	-	-	-		-
d) Stationery	-	-	-		-
2. Sundry Debtors					
a) Debts Outstanding for a period exceeding six months		-	-		-
b) Others		-	-		-
3. Cash and Bank Balances					
Cash Balance in hand (Imprest money)	74,059	-	74,059		36,702
Bank Balances:					
a) With Scheduled Banks:					
-On Saving Accounts	8,66,68,415	1,66,47,932	10,33,16,347		6,90,38,379
-On Foreign Currency Account	1,89,89,502	-	1,89,89,502		1,17,54,062
b) With non-scheduled Banks:					
-On Deposit Accounts		-	-		-
-On Saving Accounts		-	-		-
5. Post Office-Savings Accounts					
-Postage in Hand	47,495	-	47,495		47,495
TOTAL	10,57,79,471	1,66,47,932	12,24,27,403		8,08,76,638

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

(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	2,25,536		2,25,536	3,08,736
c). Bicycle Advance	67,800		67,800	67,800
2. Long Term Advances to Employees : (Interest Bearing)			-	-
a). Vehicle Loan	2,26,750		2,26,750	2,59,750
b). Home Loan	4,28,780		4,28,780	5,34,640
c). Others				
Computer Advance	93,720		93,720	2,40,414
Conveyance Advance	(28,786)		(28,786)	33,545
Fan Advance	3,550		3,550	3,550
LTC Advance	(42,094)		(42,094)	2,59,609
T A Advance	1,15,94,479		1,15,94,479	1,08,13,492
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		23,18,181	23,18,181	8,57,858
d) Departmental Advance	3,26,37,097		3,26,37,097	3,34,40,495
e) Others				
- Amount to be recovered from GPF/CPF Fund	-		-	1,38,53,206
- Amount to be recovered from NPS Fund	-		-	32,82,809
- Others	1,33,175		1,33,175	1,33,175
4. Prepaid Expenses				
a). Insurance			-	-
b). Other Expenses	14,89,050	-	14,89,050	19,85,400
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	53,305		53,305	57,853
b) On Investments - Others	17,40,609		17,40,609	17,79,279
c) On Loans & Advances			-	-
7. Other- Current assets receivable from UGC/Sponsored Projects			-	-
a). Debit balances in Sponsored Projects	9,09,500		9,09,500	11,42,841
b). Debit balances in Sponsored Fellowships & Scholarships	1,18,016		1,18,016	1,18,016
c). Grant Receivable			-	-
c). SPA fees receivable	4,04,212		4,04,212	95,204
8. Claims Receivable				
a) Research Projects	2,16,447		2,16,447	2,16,447
b) Others	1,91,792		1,91,792	1,91,792
TOTAL	5,07,25,858	23,18,181	5,30,44,039	6,99,38,831

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD
ENDED ON 31-03-2017

SCHEDULE 9 - ACADEMIC RECEIPTS	Current Year			Previous Year			(Amount Rs.)
	Non Plan	Plan	Total	Non Plan	Plan	Total	
FEES FROM STUDENTS							
Academic							
1. Tuition Fee	3,08,51,576	-	3,08,51,576	2,95,21,444	-	2,95,21,444	
2. Admission Fee/Application	36,87,523	-	36,87,523	44,73,887	-	44,73,887	
3. Enrolment Fee	6,98,000	-	6,98,000	7,60,000	-	7,60,000	
4. Library Fee/ Audio Visual fees	-	-	-	2,000	-	2,000	
5. Academic Support Fees	44,61,000	-	44,61,000	46,15,985	-	46,15,985	
6. Registration Fee	6,25,050	-	6,25,050	7,63,068	-	7,63,068	
7. Logistic Income	-	-	-	600	-	600	
8. Games Fees	-	-	-	3,44,048	-	3,44,048	
9. Self Financing Fees	1,71,20,238	-	1,71,20,238	1,63,40,223	-	1,63,40,223	
10. Electricity & Water Charges (Hostel)	31,20,182	-	31,20,182	25,41,560	-	25,41,560	
10. Readmission Fees	1,08,000	-	1,08,000	-	-	-	
Total (A)	6,06,71,569	-	6,06,71,569	5,93,62,815	-	5,93,62,815	
Examinations							
1. Admission Test Fees	-	-	-	-	-	-	
2. Annual Examination Fees	-	-	-	-	-	-	
3. Marksheet, Certificate Fees	1,72,500	-	1,72,500	1,25,300	-	1,25,300	
4. Entrance Examination Fees	-	-	-	-	-	-	
Total (B)	1,72,500	-	1,72,500	1,25,300	-	1,25,300	
Other Fees							
1. Fine and Loss Charges	1,44,738	-	1,44,738	91,847	-	91,847	
2. Annual Examination Fees	-	-	-	-	-	-	
Total (C)	1,44,738	-	1,44,738	91,847	-	91,847	
Sale of Publications							
1. Sale of Journals/Tender forms	40,575	-	40,575	79,112	-	79,112	
2. Sale of Admission forms	-	-	-	-	-	-	
Total (D)	40,575	-	40,575	79,112	-	79,112	
GRAND TOTAL (A+B+C+D)	6,10,29,382	-	6,10,29,382	4,95,89,570	-	5,96,59,074	

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD
ENDED ON 31-03-2017

(Amount Rs.)

SCHEDULE 10 - GRANTS/SUBSIDIES	Current Year			Previous Year		
	Non Plan	Plan	Total	Non Plan	Plan	Total
Balance B/F	-	-	-	-	-	-
Add : Receipts during the year	29,74,00,000	4,00,00,000	33,74,00,000	26,00,00,000	-	26,00,00,000
Total	29,74,00,000	4,00,00,000	33,74,00,000	26,00,00,000	-	26,00,00,000
Less : Refund to UGC	-	-	-	-	-	-
Balance	29,74,00,000	4,00,00,000	33,74,00,000	26,00,00,000	-	26,00,00,000
Less: Utilised for Capital Expenditure (A)	-	-	-	-	-	-
Balances	29,74,00,000	4,00,00,000	33,74,00,000	26,00,00,000	-	26,00,00,000
Less: Utilised for Revenue Expenditure (B)	29,74,00,000	4,00,00,000	33,74,00,000	26,00,00,000	-	26,00,00,000
Balance C/F (C)	-	-	-	-	-	-

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD
ENDED ON 31-03-2017

(Amount in Rs.)

SCHEDULE 11 - INTEREST EARNED	Current Year		Previous Year		Total
	Non Plan	Plan	Non Plan	Plan	
1 On Savings Accounts with scheduled banks	40,65,688	-	39,84,160	-	39,84,160
2 On Loans					-
a) Employees/Staff	94,324	-	83,294	-	83,294
b) Others		-	-	-	-
3 On Term Deposits	10,44,386	-	81,14,178	-	81,14,178
TOTAL	52,04,398	-	1,21,81,632	-	1,21,81,632

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD
ENDED ON 31-03-2017

		Current Year			Previous Year		
		Non Plan	Plan	Total	Non Plan	Plan	Total
A. Income from Land and Building							
1	Hostel Room Rent	42,03,300	-	42,03,300	34,20,145	-	34,20,145
2	Canteen Rent	33,890	-	33,890	36,420	-	36,420
3	Guest Room Rent	78,630	-	78,630	34,210	-	34,210
4	Rent from Others	32,920	-	32,920	61,380	-	61,380
5	Licence Fees	3,51,159	-	3,51,159	2,91,607	-	2,91,607
6	Electricity Charges recovered	14,26,566	-	14,26,566	10,45,818	-	10,45,818
7	Water Charges recovered	88,485	-	88,485	2,49,291	-	2,49,291
8	CGHS Subscription	6,84,578	-	6,84,578	7,08,925	-	7,08,925
	Total A	68,99,528	-	68,99,528	58,47,796	-	58,47,796
B. Others							
1	Income from Consultancy	52,07,419	-	52,07,419	39,47,376	-	39,47,376
2	RTI Fees	298	-	298	950	-	950
3	Income from Royalty	-	-	-	-	-	-
4	Sale of Application Form (recruitment)	-	-	-	-	-	-
	a) Owned assets	-	-	-	-	-	-
7	Grants/ Donation from institution, welfare bodies and international organisation	-	-	-	-	-	-
8	Others	-	-	-	-	-	-
	Miscellaneous	6,35,875	-	6,35,875	1,51,99,604	-	1,51,99,604
	Miscellaneous Recovery	6,26,108	-	6,26,108	1,17,060	-	1,17,060
	Penalty and Rebate Income	26,286	-	26,286	67,181	-	67,181
	Total B	64,95,986	-	64,95,986	1,93,32,171	-	1,93,32,171
	Grand Total (A+B)	1,33,95,514	-	1,33,95,514	2,51,79,967	-	2,51,79,967

(Amount Rs.)

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD
ENDED 31-03-2017

	Current Year			Previous Year		
	Non Plan	Plan	Total	Non Plan	Plan	Total
	SCHEDULE 13 - STAFF PAYMENTS & BENEFITS					
a) Salaries and Wages	5,99,71,964		5,99,71,964	5,99,93,543	-	5,99,93,543
b) Allowances & Bonus	9,23,98,791		9,23,98,791	8,71,87,860	-	8,71,87,860
c) Contribution to GPF/CPF and NPS	36,08,736		36,08,736	35,48,239	-	35,48,239
d) Retirement and Terminal Benefits	5,85,26,647		5,85,26,647	4,78,35,497	-	4,78,35,497
e) Medical Facility	33,13,508		33,13,508	41,11,186	-	41,11,186
f) Honorarium	22,40,617	1,40,000	23,80,617	14,40,400	2,49,400	16,89,800
g) Personal Development Account (PDA-2011-2014)	97,72,177		97,72,177	47,10,469	-	47,10,469
h) Other						
CGHS Contribution	20,71,180		20,71,180	20,25,576	-	20,25,576
DA Arrears	40,05,608		40,05,608	25,15,337	-	25,15,337
Pay of Part Time Officers	7,07,25,883		7,07,25,883	5,08,27,704	-	5,08,27,704
Conveyance reimbursement to Visiting Faculty	64,02,370		64,02,370	48,01,000	-	48,01,000
TOTAL	31,30,37,481	1,40,000	31,31,77,481	26,89,96,811	2,49,400	26,92,46,211

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD
ENDED ON 31-03-2017

(Amounts in Rs.)

	Current Year			Previous Year		
	Non Plan	Plan	Total	Non Plan	Plan	Total
SCHEDULE 14 - ACADEMIC EXPENSES						
a) Laboratory expenses			-	-	-	
b) Field work/Participation in conference			-	-	-	
c) Expenses on Seminar/ Workshops	-	2,58,893	2,58,893	-	7,50,562	7,50,562
d) Remuneration to Paper Setter	22,320	-	22,320	14,460	-	14,460
e) Examination			-	-	-	
f) Student welfare expenses			-	-	-	
g) Admission expenses			-	-	-	
h) Convocation expense	17,88,703	-	17,88,703	17,11,728	-	17,11,728
i) Publications			-	-	-	
j) Stipend/means-cum-merit scholarship	2,44,80,448	86,22,529	3,31,02,977	2,57,70,573	50,08,000	3,07,78,573
k) Subscription expenses			-	-	-	
l) Others						
- Prizes and Medals	2,78,744		2,78,744	4,33,250	-	4,33,250
- Exhibition/Foundation Day	6,56,541		6,56,541	3,88,348	-	3,88,348
			-	-	-	
TOTAL	2,72,26,756	88,81,422	3,61,08,178	2,83,18,359	57,58,562	3,40,76,921

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD
ENDED ON 31-03-2017

(Amount Rs.)

SCHEDULE-15 ADMINISTRATIVE AND GENERAL EXPENSES	Current Year		Previous year		Total
	Non Plan	Plan	Non Plan	Plan	
A. Infrastructure					
(a) Electricity and Power	3,369,840	11,383,600	2,565,290	12,441,730	15,007,020
(b) WaterCharges	2,047,824	17,075,370	1,278,710	18,859,886	20,138,596
(c) Rent, Rates and Taxes					
Service Tax	1,696,472	-	928,882	-	928,882
Property Tax	354,394	2,944,345	2,944,345	354,394	3,298,739
Interest on Tax	196,014	-	-	-	-
B. Communication					
(d) Postage and Stationary	110,680		142,077		142,077
(e) Telephone, Fax and Internet Charges	4,344,657		1,164,356		1,164,356
C. Others					
(f) Printing and Stationary	1,142,542		1,769,954		1,769,954
(g) Travelling and Conveyance expenses	7,150,317	4,050	6,766,127	186,836	6,952,963
(h) Hospitality	-	-	-	-	-
(i) Professional and Legal Charges	1,261,771	-	904,936		904,936
(j) Advertisement and Publicity	2,008,135	-	2,148,477		2,148,477
(k) Magazines & Journals	129,735	-	86,504		86,504
(l) Others					
Bank Charges	193,047	-	44,195		44,195
Audit Fees	81,200		94,110		94,110
Consumables Articles for Audio Visuals/Lab	21,376		112,862		112,862
Liveries	245,656		243,449		243,449
Membership Fees	76,990		165,320		165,320
Office Stationary	1,192,037		1,779,597		1,779,597
Other Contingent Charges	9,502,099	5,002	23,431,175	487,437	23,918,612
Refreshment Charges	849,032		1,002,685		1,002,685
Miscellaneous Committee Expenses	24,972		-		-
Manpower & Security Agencies	15,240,663	7,721,847	-		-
Other Administrative Expenses	1,191,268		842,514		842,514
TOTAL	52,430,721	39,134,214	48,415,565	32,330,283	80,745,848

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD
ENDED ON 31-03-2017

(Amount Rs.)

SCHEDULE-16 TRANSPORTATION EXPENSES PARTICULARS	CURRENT YEAR			PREVIOUS YEAR		
	NON PLAN	PLAN	TOTAL	NON PLAN	PLAN	TOTAL
1 Vehicles (owned by institution)						
a) Running Expenses	138,393	-	138,393	143,492	-	143,492
b) Repair and Maintenance	178,703	-	178,703	295,556	-	295,556
c) Insurance expenses	28,169	-	28,169	24,757	-	24,757
2 Vehicles taken on rent/lease						
a) Rent/lease expenses	-	-	-	-	-	-
3 Vehicle (Taxi) hiring expenses	-	-	-	-	-	-
Total	345,265	-	345,265	463,805	-	463,805

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD
ENDED ON 31-03-2017

(Amount Rs.)

SCHEDULE-17 REPAIR AND MAINTAINANCE	Current Year		Previous Year		Total	
	Non Plan	Plan	Non Plan	Plan		
a) Building	4,089,482	3,550,353	7,639,835	4,156,893	17,095,692	21,252,585
b) Furniture and Fixtures	82,194		82,194	14,150	-	14,150
c) Electrical Goods	343,021		343,021	980,971	-	980,971
d) Office Equipment	1,884,276		1,884,276	3,425,550	-	3,425,550
e) Computers	5,532,116		5,532,116	9,086,293	-	9,086,293
f) Cleaning Material & Services	284,396		284,396	506,511	-	506,511
g) Book Binding Charges	43,640		43,640	64,867	-	64,867
h) Gardening	27,220		27,220	29,940	-	29,940
i) Others						
TOTAL	12,286,345	3,550,353	15,836,698	18,265,175	17,095,692	35,360,867

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD
ENDED ON 31-03-2017

(Amount Rs.)

SCHEDULE-18 OTHER EXPENSES	Current Year			Previous Year		
	Non Plan	Plan	Total	Non Plan	Plan	Total
a) Provision for Bad Debts/Advances	-	-	-	-	-	-
b) Irrecoverable Balance Written -off						
c) Subsidy to SPA Mess	1,500,000	3,000,000	4,500,000	3,895,000	4,441,640	8,336,640
d) Other Expense						
Sanitary Goods	234,678		234,678	273,352		273,352
Sports Goods	291,656		291,656	802,161		802,161
TOTAL	2,026,334	3,000,000	5,026,334	4,970,513	4,441,640	9,412,153

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
RECEIPT AND PAYMENT OF NON PLAN AND PLAN FOR THE PERIOD 01.04.2016 TO 31.03.2017

RECEIPTS		CURRENT YEAR	PREVIOUS YEAR	PAYMENTS		CURRENT YEAR	PREVIOUS YEAR	(Amount Rs.)
I	Opening Balance			I	Expenses			PREVIOUS YEAR
	a) Cash in hand				a) Establishment Expenses	39,064,562		26,465,781
	b) Bank Balances				b) Academic Expenses	27,692,547		32,256,321
	Saving Bank Accounts	54,828,665	32,147,719		c) Administrative Expenses	48,502,069		45,841,617
	Foreign Exchange Account	11,784,082	11,571,628		d) Repair & Maintenance Expenses	818,241		4,553,799
	c) Fixed Deposit with banks	-	-		e) Transportation Expenses	226,587		355,592
	d) Postage in hand	47,495	47,495		II Amount spent on sponsored projects	21,937,344		2,587,136
					III Advances/payment to parties	342,145,981		330,318,798
II	Grants Received			II	Investments and deposits made	100,000		674,295
	a) From Government of India				a) Out of Earmarked/Endowment funds	10,000,000		80,000,000
	- Ministry of HRD (Capital Grant)	337,400,000	338,100,000		b) Out of Own Funds (Investments-Others)			
	b) From State Government	10,000,000	-	III	Expenditure on Fixed Assets &			
	c) From other sources (details)				a) Purchase of Fixed Assets	5,085,531		10,724,293
	- for Research Project			IV	b) Expenditure on Capital Work in Progress			155,123
III	Academic Receipts				Expenditure on Grant & Subsidies	4,500,000		8,336,640
	a) Fees received from CSAB Students	-	5,345,000	VII	Amount recoverable from GPF/CPF & NPS			-
	b) Fees received from other students	-	-	VIII	Refundable deposits from students	6,633,441		7,185,381
	c) Fees and Subscription	71,806,765	54,279,108	IX	SPA Fee Receivable	-		95,204
IV	Receipts against Earmarked /Endowment Fund			X	Contractor's Earnest Money/ Security Deposits	2,348,746		1,052,066
				XI	Amount spent on endowment fund	61,682		-
V	Receipts against Sponsored Projects/ Schemes	12,944,641	32,639,729	XII	Closing Balances			
					a) Cash in hand			-
VI	Receipts against Sponsored Fellowships & Scholarship	6,097,696	10,046,511		b) Bank Balances			
					Saving Bank Accounts	86,668,415		54,828,665
VII	Contractor's Earnest Money/ Security Deposits	784,530	439,445		Foreign Exchange Account	18,989,502		11,754,062
VIII	Amount recoverable from GPF/CPF & NPS	20,735,432	781,232		c) Fixed Deposit with banks			
IX	Interest Received on				d) Postage in hand	47,495		47,495
	a) On Bank Deposits (Saving)	4,065,688	3,761,485					
	b) On Bank Deposits (FDR)	1,029,761	3,459,079					
	c) On Loans and Advances	-	823					
	d) On Endowment Fund	-	1,793					
X	State Cheques	2,027,311	1,253,780					
XI	Term Deposits with Scheduled Banks Encashed	64,129,453	105,666,329					
XII	Any other receipts	1,688,702	4,169,434					
XIII	Sundry Creditors	2,027,189	2,454,731					
XIV	Advances Adjusted	6,965,509	6,002,728					
XV	Consultancy Receipts	1,837,683	4,934,220					
	TOTAL	614,822,143	617,202,269		TOTAL	614,822,143		617,202,269

Compiled on the basis of books of accounts Produced before us.

For SUNDER SHARMA & CO.
 CHARTERED ACCOUNTANTS

Sd/-
 CA. SUNDER KUMAR SHARMA
 PARTNER

Sd/-
 GIRISH KUMAR
 ASSISTANT REGISTRAR (A&B)

Sd/-
 PROF.DR.SEWA RAM
 REGISTRAR

Sd/-
 CHETAN VAIDYA
 DIRECTOR

PLACE : NEW DELHI
 DATE : 30-06-2017

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
BALANCE SHEET OF GENERAL/CONTRIBUTORY PROVIDENT FUND AS ON 31.03.2017

(Amount Rs.)

LIABILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS	CURRENT YEAR	PREVIOUS YEAR
G.P.F. Fund			INVESTMENTS		
Opening Balance	126,330,739	114,113,178	Fixed Deposit Scheme (GPF and CPF)	76,057,295	110,239,412
Additions:			Interest Accrued on Fixed Deposits	1,549,502	1,973,538
G.P.F. Subscription	22,429,300	21,734,856	Advance recoverable from GPF	1,385,935	1,385,935
G.P.F. Advance	1,370,422	1,942,870	Amount Recoverable from SPA	3,976,607	-
G.P.F. Interest	10,478,593	9,914,514	Special Deposit Scheme:		
Deductions:			C.P. Fund	14,900,720	14,900,720
Full & Final Payments/Withdrawals by staff	18,651,985	17,723,729	C.P. Fund	4,287,201	4,287,201
Transfer to Interest Reserve account	-	3,250,950	Bank Balance		
Closing balance of GPF Fund	141,957,069	126,330,739	G.P. Fund Account	63,123,199	32,787,777
C.P.F. Fund			C.P. Fund Account	4,373,138	7,703,590
Opening Balance	25,555,962	23,077,782			
Additions:					
C.P.F. Subscription	2,178,000	1,977,500			
C.P.F. Contribution	379,594	394,088			
C.P.F. Advance	-	61,160			
C.P.F. Interest:					
Contribution	602,822	567,811			
Subscriptions	1,396,172	1,464,735			
Deductions:					
C.P.F. Subscription	7,765,290	1,100,000			
C.P.F. Contribution	-	-			
Transfer to Interest Reserve account	-	887,114			
Closing balance of CPF Fund	22,347,260	25,555,962			
Interest Reserve Account					
Opening Balance	7,538,266	-			
Additions:					
Transfer from CPF	-	887,114			
Transfer from GPF	-	3,250,950			
Excess of Income over Expenditure	(2,188,998)	3,400,202			
Closing balance of Reserve	5,349,268	7,538,266			
Amount payable to SPA	-	13,853,206			
TOTAL	169,653,597	173,278,173	TOTAL	169,653,597	173,278,173

Compiled on the basis of Books of Accounts and vouchers

For SUNDAR SHARMA & CO.
 CHARTERED ACCOUNTANTS

Sd/-
 CA. SUNDER KUMAR SHARMA
 PARTNER

Sd/-
 GIRISH KUMAR
 ASSISTANT REGISTRAR (A&B)

Sd/-
 PROF. DR. SEWA RAM
 REGISTRAR

Sd/-
 CHETAN VAIDYA
 DIRECTOR

PLACE : NEW DELHI
 DATE : 30-06-2017

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
INCOME & EXPENDITURE ACCOUNT OF GENERAL/CONTRIBUTORY PROVIDENT FUND FOR THE YEAR
ENDING 31.03.2017

(Amount Rs.)					
EXPENDITURE	CURRENT YEAR	PREVIOUS YEAR	INCOME	CURRENT YEAR	PREVIOUS YEAR
Interest Credited to			Interest earned on Fixed Deposits	8,029,647	14,127,755
GPF Account	10,478,593	9,914,514	Interest received on Saving Bank	2,258,942	1,220,107
CPF Account	1,998,994	2,032,546			
Bank Charges	-	600			
Excess of Income over Expenditure	(2,188,998)	3,400,202			
TOTAL	10,288,589	15,347,862	TOTAL	10,288,589	15,347,862

Compiled on the basis of Books of Accounts produced before us.

For SUNDER SHARMA & CO.
CHARTERED ACCOUNTANTS

Sd/-
CA. SUNDER KUMAR SHARMA
 PARTNER

Sd/-
GIRISH KUMAR
 ASSISTANT REGISTRAR (A&B)

Sd/-
PROF.DR.SEWA RAM
 REGISTRAR

Sd/-
CHETAN VAIDYA
 DIRECTOR

PLACE : NEW DELHI
 DATE : 30-06-2017

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI

RECEIPT AND PAYMENT OF GENERAL/CONTRIBUTORY PROVIDENT FUND FOR THE PERIOD 01.04.2016 TO 31.03.2017

(Amount Rs.)

S.NO.	RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	S.NO.	PAYMENTS	CURRENT YEAR	PREVIOUS YEAR
I.	Opening Balance			I.	G.P. Fund Subscription	16,630,065	16,909,700
	G.P. Fund	32,787,777	19,574,982		Interest on GPF subscription	-	-
	C.P. Fund	7,703,590	5,443,544		C.P. Fund Subscription	7,765,290	1,100,000
	C.P. Fund Subscription	22,429,300	21,734,856		C.P. Fund Contribution	-	-
	G.P. Fund Interest	-	21,734,856		Interest on Investment/ Saving bank transferred to School	-	-
					G.P. Fund	-	-
	C.P. Fund Subscription	2,178,000	1,977,500		C.P. Fund	-	-
	C.P. Fund Contribution	-	1,977,500		G.P. Fund Advance	1,874,920	814,029
II.	G.P. Fund Advance	1,223,422	1,542,870	III.			
				IV.	C.P. Fund Advance	61,160	-
III.	C.P. Fund Advance	-	-	V.	Investment on FDR's/Special Deposit Scheme		
				(I) Contribution	G.P. Fund	-	-
				(II) Subscription	C.P. Fund	-	-
V.	Encashment of FDR's/Special Deposit Schemes			VI.	Amount Payable to spa	17,100,000	661,449
	G.P. Fund	37,737,023	-	VI.	Bank Charges	-	600
	C.P. Fund	1,676,544	39,413,567	VII.	Interest On Special Deposit Scheme/ FDR's		
					G.P. Fund	63,123,199	32,787,777
					C.P. Fund	4,373,138	7,703,590
VI.	Amount payable to SPA	-	6,752,667		Closing Balance		
	Temporary Advances	2,404	-		G.P. Fund	67,496,337	40,491,367
	GSLIS	-	110		C.P. Fund	-	-
					TOTAL	110,866,612	59,977,145
VII.	Interest on FDR's/ Saving Bank Account						
	G.P. Fund	577,890	980,481				
	C.P. Fund	3,325,220	239,626				
VIII.	Interest on Special Deposit Scheme						
	G.P. Fund	1,225,442	1,669,349				
	C.P. Fund	-	-				
	TOTAL	110,866,612	59,977,145				

Compiled on the basis of Books of Accounts produced before us

For SUNDER SHARMA & CO.
CHARTERED ACCOUNTANTS

Sd/-
CA. SUNDER KUMAR SHARMA
PARTNER

Sd/-
GIRISH KUMAR
ASSISTANT REGISTRAR (A&B)

Sd/-
PROF.DR.SEWA RAM
REGISTRAR

Sd/-
CHETAN VAIDYA
DIRECTOR

PLACE : NEW DELHI
DATE : 30-06-2017

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
STATUS OF CPF INVESTMENT AS ON 31ST MARCH, 2017**

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	50256836783	226203	7.00%	1 Year 1 day	2-Jan-17	1,087,071	1,132,248	3-Jan-18	31-Mar-17	366	76,177	88	18,316
2	UCO BANK	18200310054116	654969	8.00%	444Days	22-Nov-16	2,459,100	2,523,383	9-Feb-18	31-Mar-17	444	65,283	129	18,967
3	UCO BANK	18200310048232	654583	7.50%	444Days	7-Sep-16	993,466	1,087,469	28-Jun-17	31-Mar-17	444	94,003	356	75,795
4	UCO BANK	18200310060629	655292	7.00%	12 Months	10-Feb-17	1,76,351	1,89,024	10-Feb-18	31-Mar-17	365	12,673	49	1,701
5	UCO BANK	18200310060627	655396	7.00%	12 Months	10-Feb-17	1,293,245	1,386,176	10-Feb-18	31-Mar-17	365	92,931	49	12,476
6	UCO BANK	18200310060650	655398	7.00%	12 Months	10-Feb-17	1,410,812	1,512,192	10-Feb-18	31-Mar-17	365	101,380	49	13,610
7	UCO BANK	18200310060643	655394	7.00%	12 Months	10-Feb-17	1,410,812	1,512,192	10-Feb-18	31-Mar-17	365	101,380	49	13,610
8	UCO BANK	18200310060636	655393	7.00%	12 Months	10-Feb-17	1,76,351	1,89,024	10-Feb-18	31-Mar-17	365	12,673	49	1,701
9	UCO BANK	18200300003237	551727	7.25%	444Days	6-Nov-16	96,095	104,874	24-Jan-18	31-Mar-17	444	8,779	145	2,867
10	UCO BANK	18200300003382	552134	7.50%	444Days	8-Feb-16	2,230,078	2,440,586	27-Apr-17	31-Mar-17	444	210,518	417	197,716
TOTAL							11,302,381	12,078,178				775,797		356,760

STATUS OF CPF INVESTMENT AS ON 31ST MARCH, 2017

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	50323074169	226192	7.50%	45days	17-Feb-17	11,750,979	11,807,641	3-Apr-17	31-Mar-17	45	56,662	42	82,885
2	Allahabad bank	50323074860	226193	7.50%	45days	17-Feb-17	12,926,077	12,994,156	3-Apr-17	31-Mar-17	45	58,079	42	84,207
3	Allahabad bank	50256836182	226200	7.00%	1 Year 1 day	2-Jan-17	4,110,831	4,407,076	3-Jan-18	31-Mar-17	366	296,245	88	71,228
4	Allahabad bank	50256836433	226201	7.00%	1 Year 1 day	2-Jan-17	2,349,046	2,518,329	3-Jan-18	31-Mar-17	366	169,283	88	40,702
5	Allahabad bank	50256836524	226202	7.00%	1 Year 1 day	2-Jan-17	4,110,831	4,407,076	3-Jan-18	31-Mar-17	366	296,245	88	71,228
6	UCO BANK	18200310056938	655159	7.25%	12 Months	10-Oct-16	2,957,964	3,178,318	10-Oct-17	31-Mar-17	365	220,354	172	103,838
7	UCO BANK	18200310056931	655158	7.25%	12 Months	10-Oct-16	2,957,964	3,178,318	10-Oct-17	31-Mar-17	365	220,354	172	103,838
8	UCO BANK	18200310054123	654970	6.90%	444Days	22-Nov-16	7,374,300	8,014,372	9-Feb-18	31-Mar-17	444	640,072	129	189,967
10	UCO BANK	18200310060605	655391	7.00%	12 Months	10-Feb-17	7,064,059	7,560,957	10-Feb-18	31-Mar-17	365	506,898	49	88,049
11	UCO BANK	18200310060612	655397	7.00%	12 Months	10-Feb-17	4,702,706	5,040,633	10-Feb-18	31-Mar-17	365	337,932	49	45,366
12	UCO BANK	18200300003381	552134	7.50%	444Days	8-Feb-16	4,460,157	4,881,194	27-Apr-17	31-Mar-17	444	421,037	417	385,433
TOTAL							64,754,914	67,978,075				3,223,161		1,197,742

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
ENDOWMENT FUND INVESTMENT AS ON 31ST MARCH, 2017**

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	6.90%	314 Days	19-Dec-16	25,130	26,622	29-Oct-17	31-Mar-17	314	1,492	102	484,66	SPA Krishna Saini Endowment Fund
2	Uco Bank IIPA	18200310038065	581586	8.30%	12 Months	27-Jun-16	13,463	14,501	27-Jun-17	31-Mar-17	365	1,038	277	788	SPA Krishna Saini Endowment Fund
3	Allahabad bank	50277871265	199988	7.25%	12 month	30-Apr-16	65,425	70,313	1-May-17	31-Mar-17	366	4,888	335	4,474	T.J. manickam Memorial Award
4	Allahabad bank	50277871651	199989	7.25%	12 month	30-Apr-16	21,808	23,437	1-May-17	31-Mar-17	366	1,629	335	1,491	SPA Prof. M.R. Agrinotri Endowment Fund
5	Allahabad bank	50277871935	199990	7.25%	12 month	30-Apr-16	1,09,041	1,17,187	1-May-17	31-Mar-17	366	8,146	335	7,456	SPA Prof. S.K. Narayana Endowment Fund
6	Allahabad bank	50277873342	199991	7.25%	12 month	30-Apr-16	54,521	58,594	1-May-17	31-Mar-17	366	4,073	335	3,728	SPA Prof. L.R. Vagale & Courmm a Vagale
7	Allahabad bank	50277873692	199992	7.25%	12 month	30-Apr-16	54,521	58,594	1-May-17	31-Mar-17	366	4,073	335	3,728	SPA Narendra Juneja Endowment Fund
8	Allahabad bank	50277874404	199993	7.25%	12 month	30-Apr-16	32,712	35,156	1-May-17	31-Mar-17	366	2,444	335	2,237	SPA Narendra Juneja Endowment Fund
9	Allahabad bank	50277881207	199994	7.25%	12 month	30-Apr-16	9,590	10,306	1-May-17	31-Mar-17	366	716	335	655	SPA Subhash Pranjape Memorial Award
10	Allahabad bank	50277881489	199995	7.25%	12 month	30-Apr-16	1,09,041	1,17,187	1-May-17	31-Mar-17	366	8,146	335	7,456	SPA Shriya Anand Endowment Fund
11	Allahabad bank	50277876886	199996	7.25%	12 month	30-Apr-16	13,085	14,063	1-May-17	31-Mar-17	366	978	335	895	SPA Ved Prakash Memorial Scholarship
12	Allahabad bank	50277877109	199997	7.25%	12 month	30-Apr-16	32,712	35,156	1-May-17	31-Mar-17	366	2,444	335	2,237	SPA Ms. Bandana Goyal Endowment Fund
13	Allahabad bank	50277877314	199998	7.25%	12 month	30-Apr-16	10,904	11,719	1-May-17	31-Mar-17	366	815	335	746	SPA Vandana Goel Gold Medal
14	Allahabad bank	50277877392	199999	7.25%	12 month	30-Apr-16	3,816	4,101	1-May-17	31-Mar-17	366	285	335	261	SPA Normi Bose Memorial Award
15	Uco Bank IIPA	18200310062524	655509	7.70%	12 month	13-Apr-16	2,18,083	2,35,367	13-Apr-17	31-Mar-17	365	17,284	352	16,668	SPA J.K. Chaudhary Endowment Fund
16	Central Bank	3564959496	401428	7.50%	12 month	9-Sep-16	1,00,000	1,00,000	9-Sep-17	31-Mar-17	365	-	203	-	SPA Vandana Goel Gold Medal
TOTAL														58,451	53,305
														8,73,852	9,32,303

Status of Student Security Investment as on 31st March 2017

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	UCO BANK	18200310058268	655234	7.50%	444Days	15-Feb-16	22,30,078	24,40,596	4-May-17	31-Mar-17	444	2,10,518	410	1,94,397
2	UCO BANK	18200310058275	655235	7.50%	444Days	18-Feb-16	22,30,079	24,40,597	7-May-17	31-Mar-17	444	2,10,518	407	1,92,975
3	UCO BANK	18200310058232	655236	7.50%	444Days	18-Feb-16	22,30,079	24,40,597	7-May-17	31-Mar-17	444	2,10,518	407	1,92,975
TOTAL							66,90,236	73,21,790				6,31,554		5,80,347

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
CONSULTANCY FUND ACCOUNT**

BALANCE SHEET AS ON 31ST MARCH 2017

Amount In Rs.

PREVIOUS YEAR	LIABILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS	CURRENT YEAR
77,25,646	Unspent Balance of Projects (As per Annexure-1 Enclosed)	117,17,568		Fixed Assets	
7,55,519	Project Receipts Pending for Allocation	24,07,934	17,986	Furniture	17,986
-	School/Institute's Share from Consultancy Fund			Investment in Fixed Deposits	
	Opening Balance	-		FDR with UCO Bank	71,35,620
	Addition during the year	100,22,098		FDR with State Bank	76,00,598
	Less : Transferred to School Share Distribution,	(100,22,098)	146,35,620	FDR with Central Bank	65,00,000
	Concern Department, PDF & Administrative Expenses			Current Assets & Loans & Advances	
			2,272	Accrued Interest	1,442
-	School Share Distribution		8,55,586	TDS Recievable	23,16,739
	Opening Balance	-			
	Add: Transferred from Consultancy Fund	70,15,470		Bank Balance	
	Less : Transferred to School Main Account	(65,09,274)	71,06,531	State Bank of India S/B A/c No. 10310544230	139,68,662
			71,03,182	Central Bank of India S/B. A/c No. 3406523203	26,79,269
53,31,495	Concerned Department/ Centre				166,47,931
	Opening Balance	53,31,495			
	Add: Transferred from Consultancy Fund	15,03,313			
	Less : Paid during the Year	(4,06,804)	64,28,004		
18,44,869	Personal Development Fund (PDF) Consultants				
	Opening Balance	18,44,869			

	Add: Transferred from Consultancy Fund	10,02,210			
	Less : Paid during the Year	(6,83,221)	21,63,858		
3,48,407	Administrative Expenses fund				
	Opening Balance	3,48,407			
	Add: Transferred from Consultancy Fund	5,01,105			
	Less : Paid during the Year	(3,48,407)	5,01,105		
137,15,241	Surplus				
	Opening Balance	137,15,241			
	Add : Miscellaneous Receipts	-			
	Addition During the Year	22,76,330			
		159,91,571			
	Less : Expenses incurred during the year (Annexure-2 Attached)	(4,40,966)	155,50,605		
	Duties & Taxes				
	Service Tax Payable	3,21,043			
	T.D.S Payable	6,24,003	9,45,046		
297,21,177	Total	Total	402,20,316	297,21,177	Total
					402,20,316

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. Sunder Kumar Sharma
Partner**

**Sd/-
Prof. (Dr.) Mandeep Singh
Dean of Studies**

**Sd/-
Prof. Chetan Vaidya
Director**

**PLACE : NEW DELHI
DATE : 30/06/2017**

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
CONSULTANCY FUND ACCOUNT**

RECEIPT AND PAYMENT ACCOUNT FOR THE PERIOD 01.04.2016 TO 31.03.2017

Amount in Rs.

PREVIOUS YEAR	RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR
9,605,281	Opening Balance - State Bank of India (SB A/c No.10310544230)	7,106,531	23,453,573	Payment/Adjustment during the year as per Annexure enclosed	29,071,231
624,705	- Central Bank of India (S.B. A/c No.3406523203)	7,103,182	6,920,499	School Share	10,022,098
22,708,651	Receipts during the Year as per Annexure Enclosed	33,035,502	384,464	Administrative expenses	440,967
6,920,499	School Share	10,022,098	399,155	Administrative expenses for supporting staff	348,407
2,145,614	Bank Interest from S/B & F.D.R's A/c	2,276,330	855,586	T.D.S Receivable	1,461,153
732,871	Administrative Expenses for Supporting Staff	501,105	4,847,922	School Share distribution	6,509,274
755,519	Project Receipts Pending for Allocation	1,405,165	2,983,619	Service Tax	4,084,468
4,847,922	School Share Distribution	7,015,470	2,569,073	TDS	2,093,437
2,983,619	Service Tax	4,405,511	294,180	P.D.F Consultants	683,221
2,569,073	TDS	2,717,440	388,281	Concerned Department/Centre	406,804
689,668	P.D.F Consultants	1,002,210	1,500,000	F.D.R's With State Bank of India	100,598
1,034,502	Concerned Department/Centre	1,503,313	3,500,000	F.D.R's With Central Bank of India	6,500,000
342	Miscellaneous Receipts	247,250	135,620	F.D.R's With Uco Bank	-
6,500,000	F.D.R's With Central Bank of India-Matured	-	342	Miscellaneous Receipts	-
157,997	Interest Accrued On F.D.R's with Bank	2,272	384,464	Bank Interest from S/B & FDR A/c	
552,500	Adjustment of Project during the Year as per Annexure Enclosed	27,651	2,272	Interest Accrued On F.D.R's with Bank	1,442

**SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI
CONSULTANCY FUND ACCOUNT**

RECEIPT AND PAYMENT ACCOUNT FOR THE PERIOD 01.04.2016 TO 31.03.2017

		Amount in Rs.			
PREVIOUS YEAR	RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR
			7,106,531 7,103,182	Closing Balance - State Bank of India (SB A/c No.10310544230) - Central Bank of India (S.B. A/c No.3406523203)	13,968,662 2,679,269
62,828,763	Total (Rs.)	78,371,031	62,828,763	Total (Rs.)	78,371,031

Notes forming part of books of accounts are integral part of Balance sheet

Compiled on the basis of books of accounts produced before us.

For Sunder Sharma & Co.
Chartered Accountants

CA. Sunder Kumar Sharma
Partner

Prof. (Dr.) Mandeep Singh
Dean of Studies

Prof. Chetan Vaidya
Director

SCHOOL OF PLANNING AND ARCHITECTURE: NEW DELHI - 110002

Consultancy Fund Account

Unspent Balance as on 31st March, 2017 under Project A/c

S. No	Name of the Projects	Name of the Project Coordinator	Ledger Folio No.	Unspent Balance as on 01-04-2016	Receipt during the Year 2016-2017	Adjustment during the Year 2016-2017	Total	Payment/ Adjustment during the Year 2016-2017	Unspent Balance as on 31-03-2017
1	Numaligarh Refinery Ltd.	Prof. (Dr.) Rommel Mehta	1	91,348	48,13,147	-	49,04,495	42,82,464	6,22,031
2	NERIE, Shilong	Prof. A.K. Maitra (Retd.)	3	2,56,224	-	-	2,56,224	-	2,56,224
3	Study on Re-Development of Traditional Old Build-up Areas	Prof. A.K. Maitra (Retd.)	5	57,364	-	-	57,364	-	57,364
4	Indian School of Mines, Dhanbad	Prof. A.K. Maitra (Retd.)	7	28,845	-	-	28,845	-	28,845
5	O.N.G.C. Project	Prof. M. L. Bahri	9	5,81,019	-	-	5,81,019	5,81,019	-
6	IIT Jaipur Project	Prof. Amil Dewan	11	97,408	-	-	97,408	-	97,408
7	Delhi Cantonment Board Project (Drain Project)	Prof. Y. K. Jain	13	2,76,252	-	-	2,76,252	2,65,702	10,550
8	DMRC Project (Heritage Impact Asstt. of Line6)	Prof. Nalini Thakur	17	5,33,387	-	-	5,33,387	5,33,387	-
9	Traffic Management Toolkit Project	Prof. (Dr.) Sanjay Gupta	19	5,18,982	-	-	5,18,982	2,00,000	3,18,982
10	Mahatma Gandhi Marg Corridor Design, PWD Agra Project	Prof. (Dr.) Sewa Ram	21	2,59,361	-	-	2,59,361	2,59,361	-
11	Rites Ltd. Modelling for Ahmedabad Dholera SIR Metro Project	Prof. (Dr.) Sanjay Gupta	23	1,97,000	47,500	-	2,44,500	1,56,625	87,875
12	Oil India Project	Prof. (Dr.) SanjuktaBhaduri	25	1,67,683	75,60,429	1	77,28,113	51,52,732	25,75,381
13	Oil India Project (Equipment)	Prof. (Dr.) SanjuktaBhaduri	31	35,712	-	-	35,712	24,870	10,842
14	National School of Drama, NSD's Re-Developments Project	Prof. Arunava Das Gupta	33	22,35,516	-	-	22,35,516	-	22,35,516
15	National Archives of India Project	Prof. Nalini Thakur	35	14,70,514	22,72,252	-	37,42,766	24,59,292	12,83,474
16	Rejuvenation of Water Bodies, Delhi Cantonment Area Project	Prof. Y. K. Jain	37	1,79,617	18,32,000	-	20,11,617	16,96,357	3,15,260

17	Comprehensive Improvement & Drainage & Sewage System, Delhi Cantt. Project	Prof. Y. K. Jain	41	4,14,414	30,64,600	-	34,79,014	29,45,715	5,33,299
18	Preparation of DPR, DevprayagUttarakhand Project	Prof. (Dr.) P.S.N Rao	45	3,25,000	5,72,500	-	8,97,500	8,97,500	-
19	DLF Southern Town Ltd. Kakanad Project	Prof. (Dr.) Mandeep Singh	87	-	5,20,000	-	5,20,000	5,20,000	-
20	Ajmer Airport Project, Airport Authority of India Project	Prof. Y. K. Jain	89	-	2,00,375	-	2,00,375	2,00,375	-
21	DLF Universal Ltd., Capital Green Project	Prof. (Dr.) Mandeep Singh	91	-	11,36,300	10,295	11,46,595	11,37,595	9,000
22	DLF Homes Panchkula Pvt. Ltd., DLF Valley Project	Prof. (Dr.) Mandeep Singh	93	-	5,16,500	2,030	5,18,530	3,06,890	2,11,640
23	Shri Mata Vaishno Devi Shrine Board Project	Prof. (Dr.) Mandeep Singh	97	-	2,90,000	200	2,90,200	2,90,200	-
24	Master Plan of Gogamukh, NHPC Project	Prof. (Dr.) R. Biswas	101	-	6,18,125	-	6,18,125	3,63,751	2,54,374
25	Landscape Development Rashtapati Bhawan Campus Project	Prof. (Dr.) Rommel Mehta	105	-	5,46,000	-	5,46,000	5,46,000	-
26	NTPC, Fly Ash Transport Study Project	Prof. (Dr.) P. K. Sarkar	107	-	7,59,000	-	7,59,000	6,79,052	79,948
27	RUDA, Sarai Rohila and Ashok Vihar Project	Prof. (Dr.) P.S.N Rao	109	-	3,88,126	-	3,88,126	2,38,751	1,49,375
28	KendriyaVidyalay Project	Prof. ArunaRamani Grover	111	-	86,250	1	86,251	71,825	14,426
29	Study on Rural Housing for UNDP Project	Asstt. Prof. Parul Kiri Roy	113	-	6,50,000	-	6,50,000	6,50,000	-
30	PWD Govt. of Maharashtra Redevelopment of Bandra (E)	Prof. (Dr.) P.S.N Rao	123	-	23,00,000	-	23,00,000	21,43,929	1,56,071
31	India Post Payments Bank Ltd. Project	Prof. (Dr.) Mandeep Singh	125	-	4,60,000	10,554	4,70,554	3,58,700	1,11,854
32	Ministry of Defence, Govt. of India Project	Prof. (Dr.) Mandeep Singh	127	-	1,50,000	-	1,50,000	1,50,000	-
33	Deptt. of Rural Development and Panchayati Raj, RURBAN MISSION	Prof. (Dr.) N. Sridharan	129	-	36,22,080	-	36,22,080	16,78,088	19,43,992
34	DEO Residence at Mall Road, Delhi Cantt. Project	Mr. Prabhoot Singh Sugga	131	-	2,40,518	4,570	2,45,088	1,09,232	1,35,856
35	Yes Bank for Training Programme Project	Prof. ManojMathur	133	-	2,89,800	-	2,89,800	1,28,340	1,61,460
36	Competition of Model Design for Storage of EVMS and VV Pat's Project	Prof. (Dr.) P.S.N Rao	137	-	1,00,000	-	1,00,000	43,479	56,521

Prof. (Dr.) Mandeep Singh
Dean of Studies

Prof. Chetan Vaidya
Director

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI

SCHEDULES FORMING PART OF THE FINANCIAL ACCOUNTS FOR THE YEAR ENDING 31-03-2017

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 2017, 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.1,10,92,620 is made during the financial year 2016-17 which also includes the amount of gifted Books and Journals of Rs. 11,321.
- 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 projects funds will remain the property of the sponsors.

2. Endowment Fund

- 2.1 In some of the cases endowment funds are having debit balances from the previous years due to excess amount incurred by the school on these funds.
- 2.2 During the year School has not received any amount as endowment fund.

3. Deposits /Current Liabilities

- 3.1 The amount outstanding as Earnest Money Deposits and Security Deposits is of Rs.15,84,117 and Rs.41,09,296 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.20,27,311 pertaining to the Financial year 2014-15 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 9,09,500 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:-

- ii) 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 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 recasted 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 31-03-2017 and the Income and Expenditure account for the year ended on that date.

**For SUNDER SHARMA & CO.
CHARTERED ACCOUNTANTS**

**Sd/-
CA. Sunder Kumar Sharma
Partner**

**Sd/-
Prof. (Dr.) Mandeep Singh
Dean of Studies**

**Sd/-
Prof. Chetan Vaidya
Director**

**PLACE : NEW DELHI
DATE : 30/06/2017**

NOTES FORMING PART OF ACCOUNTS OF 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. 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 at Liability side.
3. The interest received on FDR's and Saving Bank during the year for Rs. 22,76,330/- is add to this account. The school has also deducted Rs.4,40,966/- from this surplus account of expenses incurred during the year.
4. The Consultancy receipts under different projects have been shown on the basis of net of Tax Deducted at Source. Tax deducted on Projects have been shown as "Project Receipt pending for Allotment".
5. Service Tax liability is assumed at the time when payment is received from the project instead of at the time of issue of Invoice.
6. Separate Cash Book and Books of Accounts have been maintained for Consultancy Fund.
7. Figures are rounded off to the nearest rupees.
8. Figures of the previous year have been regrouped/rearranged and recasted wherever considered necessary.
9. Notes are annexed to and form an integral part of the Balance Sheet as at 31-03-2017 and the Receipts and Payments for the year ended on that date.
10. Accounts have been prepared on the basis of cash basis of Accounting.

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 2017

We have Audited the attached balance sheet of the School of Planning and Architecture (SPA) as at 31 March 2017 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 treatments only with regard to classification, conformity with the best accounting practice, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any are reported through Inspection Reports/CAG's Audit Reports Separately.
3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
4. Based on our audit, we report that:
 - i. We have obtained all the information and explanations, Subject to the observations in the report, which to the best of our knowledge and belief were necessary for the purpose of our audit.
 - ii. The Balance Sheet and Income & Expenditure Account/Receipts and Payments Account dealt with by this report have been drawn up in the format prescribed by the Ministry of 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 1 A)-Rs.099 crore

The above did not include the grants utilized for Capital Expenditure though the SPA had total assets Rs. 42.87 crore and net depreciated assets of Rs. 13.46 crore as on 31.3.2017. Similarly, depreciation during the year of Rs. 1.33 crore was not included in the above schedule. All these items (figures) have been included in schedule 2 (Designated/Earmarked/Endowment Fund). To this extent these schedules (Schedule 1&2) was not drawn as per the instruction in Format of Accounts prescribed by Ministry of Human Resource Development. The same has been pointed out in the report since 2014-15 but rectification has been done.

A.1.2. Reserves and Surplus (Schedule 1B)-Rs. 5.52 crore

The above include deficit of income of Rs. (-) 5.52 crore which should have been depicted under "Capital Fund". This is in contravention of format of accounts prescribed by the MHRD.

A.1.3. Current Liabilities and Provisions (Schedule 3) -Rs. 16.91 crore

The above do not include liability for expenses amounting to Rs. 23.46 lakh paid in April/May 2017. This resulted in understatement of Liabilities and overstatement of Capital fund by Rs. 23.46 lakh (Annexure 1)

A.2 Assets

A.2.1 Fixed Assets (Schedule 4)-Rs.13.47 Crore

The above include additions on Fixed Assets amounting to Rs. 37.48 lakh (Office Equipment:Rs. 8.19 lakh, Computer Peripherals: Rs. 19.54 lakh, Furniture/Fixture/Fittings: Rs. 9.75 lakh) whereas as per stock register it was Rs. 34.73 lakh (Office Equipment:Rs. 8.32 lakh, Computer Peripherals: Rs. 17.22 lakh and Furniture/Fixture: Rs. 9.19 lakh). The difference of Rs. 2.75 lakh needs to be reconciled.

B. Balance Sheet of GPF/CPF Accounts

B.1. The opening balance and closing balance of Rs.12.63 crore and Rs.14.19 crore respectively were shown in the Balance Sheet. However, as per Broadsheet of GPF, opening balance and closing balance were Rs.12.64 crore and Rs.14.21 crore respectively. The difference in opening and closing balance of Rs. 0.01 crore and Rs. 0.02 crore respectively between Balance Sheet and Broadsheet needs to be reconciled.

B.2. The opening balance and closing balance of Rs. 255.56 lakh and Rs. 223.47 lakh respectively were shown in the Balance Sheet of CPF. However, as per Broadsheet of CPF, opening balance and closing balance were Rs. 255.05 lakh and Rs. 222.96 lakh respectively. The difference of Rs. 0.51 lakh, both in opening and closing Balance of CPF between Balance Sheet and Broadsheet needs to be reconciled.

C. Significant Accounting Policies

C.1. The Significant Accounting Policy No.5 of School of Planning New Delhi states that liability towards retirement benefits i.e. Pension, Gratuity and leave encashment of the employees are not necessary in view of recurring grant towards Non Plan which includes amount payable to employees who retire and includes pension for retired eligible employees for the grant period. This policy 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.

D. General

D.1. Bank Reconciliation Statement

(a) In the BRS of UCO Bank account number 1266, following were noticed:

- Cheques amounting to Rs. 28.93 lakh pertaining to the period April 2015 to December 2016 were issued but not yet presented for payment. As these cheques are time barred, these should be written back and shown as liability in accounts.
- Cheques amounting to Rs. 27.34 lakh pertaining to the period earlier than 2012 to December 2016 were deposited but not yet cleared which included cheques of Rs. 23.66 lakh prior to year April 2012. This needs to be immediately pursued with the bank to prevent loss of revenue.

- Amount of Rs. 19.10 lakh for the period 2009 to 2017 was credited by Bank which did not reflect in the bank of accounts/tally. This also included Rs. 16.41 lakh prior to year 2012. This needs to be investigated & pursued with the banks and reconciled.
- Amount of Rs. 10.40 lakh was debited by Bank but not entered in the books of accounts. This needs to be investigated & pursued with the banks and reconciled.

(b) In the BRS of UCO Bank GPF account number 1209, following were noticed:

Cheques amounting to Rs 1.46 lakh pertaining to April 2010 were issued but not yet presented for payment. As these cheques were time barred, these should be written back and shown as liability in accounts. This was pointed out in last year report but no remedial action has been taken.

Cheques amounting to Rs. 0.90 lakh pertaining to the period April 2010 to October 2014 were deposited but not yet cleared. This need to be immediately pursued with the bank to prevent loss of revenue.

D.2 In Schedule 10- Grants/Subsidies details of opening balance of grants and utilization of grant-in-aid for capital expenditure has not been shown. To this extent Schedule 10 has not been drawn as per the Format prescribed by Ministry of human Resource Development.

E. Grant-in-aid

During the year 2016-17, the School of Planning and Architecture received grant of Rs. 34.74 crore (Plan: 5.00 crore and Non Plan Rs. 29.74 crore) from the Ministry of Human Resource Development, of which Rs. 4.52 crore (Plan: 0.62 crore and Non Plan Rs. 3.90 crore) was received during March 2017. The grant was fully utilized.

It has received Rs. 130.53 lakh for various projects and had Rs. 423.28 lakh as unspent balance of previous year. It utilized Rs. 242.99 lakh and had unutilized balance of Rs. 310.82 lakh as on 31/3/2017.

F. 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 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 2017; and
- b. in so far as it relates to the Income and Expenditure Account of the deficit for the year ended on the date.

For and on behalf of the C & AG of India

Place: New Delhi
Date: 21.12.2017

Director General of Audit
(Central Expenditure)

ANNEXURE TO AUDIT REPORT

1. Adequacy of Internal Audit System

The Internal Audit System of School needs to be strengthened as:-

- 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.
- A consultant had been appointed for pre-audit and the chartered accountants firm had conducted part of internal audit with regard to the aspects of the accounts.

2. Adequacy of Internal Control System

The Internal Control System of School is Inadequate as:-

- Non-reconciliation and non-settlement of advances of previous years
- Non-conducting of physical verification of fixed assets and inventory.
- Outstanding debit balances in various sponsored projects needs to be adjusted promptly.
- Fixed Assets Register was not maintained in the proper format as stipulated in GRF.

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 stationary and consumables was conducted up 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 31.03.2017.